

# MEMORANDUM

December 12, 2025

Revised: January 16, 2026

TO: Ron Wiedeman, City of Crest Hill

FROM: Liz Jensen, CBBEL  
Frank Nemes, CBBEL  
Pragya Subedi, CBBEL

SUBJECT: Old City Hall Area Crest Hill Traffic Analysis – Crest Hill  
(CBBEL Project #250180)

Christopher B. Burke Engineering, Ltd. (CBBEL) was retained by the City of Crest Hill to assess the level of non-resident vehicular traffic on Knapp Drive between IL Route 7 (Theodore Street) and Larkin Avenue and to develop alternatives to reduce or eliminate this cut-through traffic along Knapp Drive by drivers seeking to avoid the triangle area (Larkin/Rt 7/ Rt 30). The City seeks to discourage cut-through traffic using traffic calming strategies. See Exhibit 1 for the Project Location map.

## EXISTING CONDITIONS

The study area is located along Knapp Drive between IL Route 7 (Theodore Street) on the south and North Larkin Avenue / Weber Road on the north. The posted speed limit on Knapp Drive is 25 mph and the 85<sup>th</sup> Percentile speed of traffic is 37 mph. Knapp Drive consists of northbound and southbound two-way traffic, one lane in each direction and provides access to the Willow Falls senior living community consisting of townhomes and condos at Willow Circle Drive located on the east side of Knapp Drive. Knapp Drive also provides access points to the former Crest Hill City Hall site, the Chase bank site, and the northern strip plaza. The City requested the scope be revised to focus only on Knapp Drive between IL Route 7 (Theodore Street) and North Larkin Avenue/Weber Road and not include the other intersections in the triangle area.

### Study Area Intersections

The study area has two major unsignalized intersections along Knapp Drive, one on the north end at Larkin Avenue/Weber Road and one on the south end at IL Route 7 (Theodore Street). The study area also includes two minor intersections along Knapp Drive, at Willow Circle Drive North and at Willow Circle Drive South. See Exhibit 2 for the existing lane configurations.

#### Knapp Drive and Larkin Avenue/Weber Road

The intersection of Knapp Drive and Larkin Avenue/Weber Road is a three-legged intersection. The intersection of Larkin Avenue/Weber Road was recently improved by Will

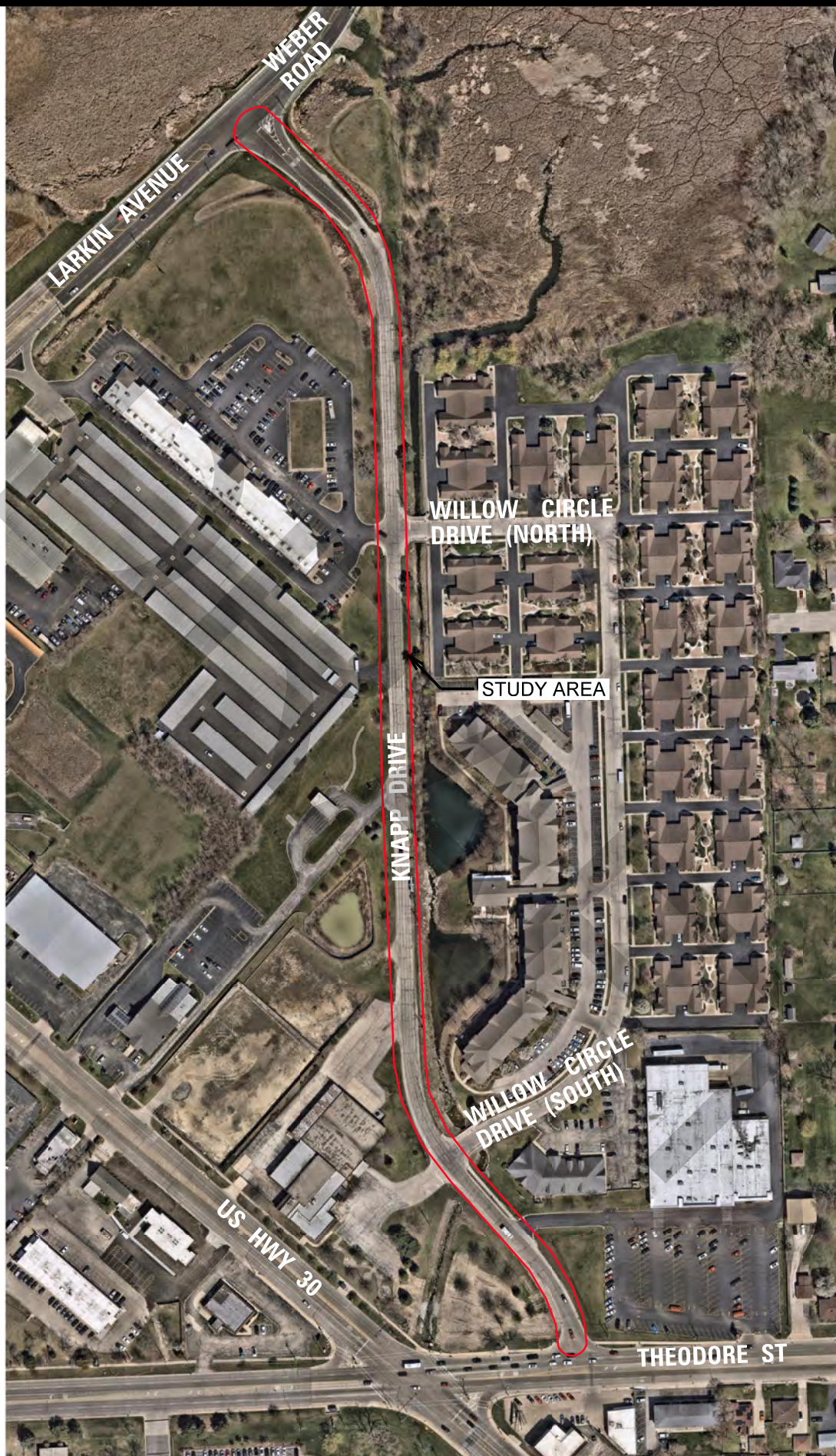


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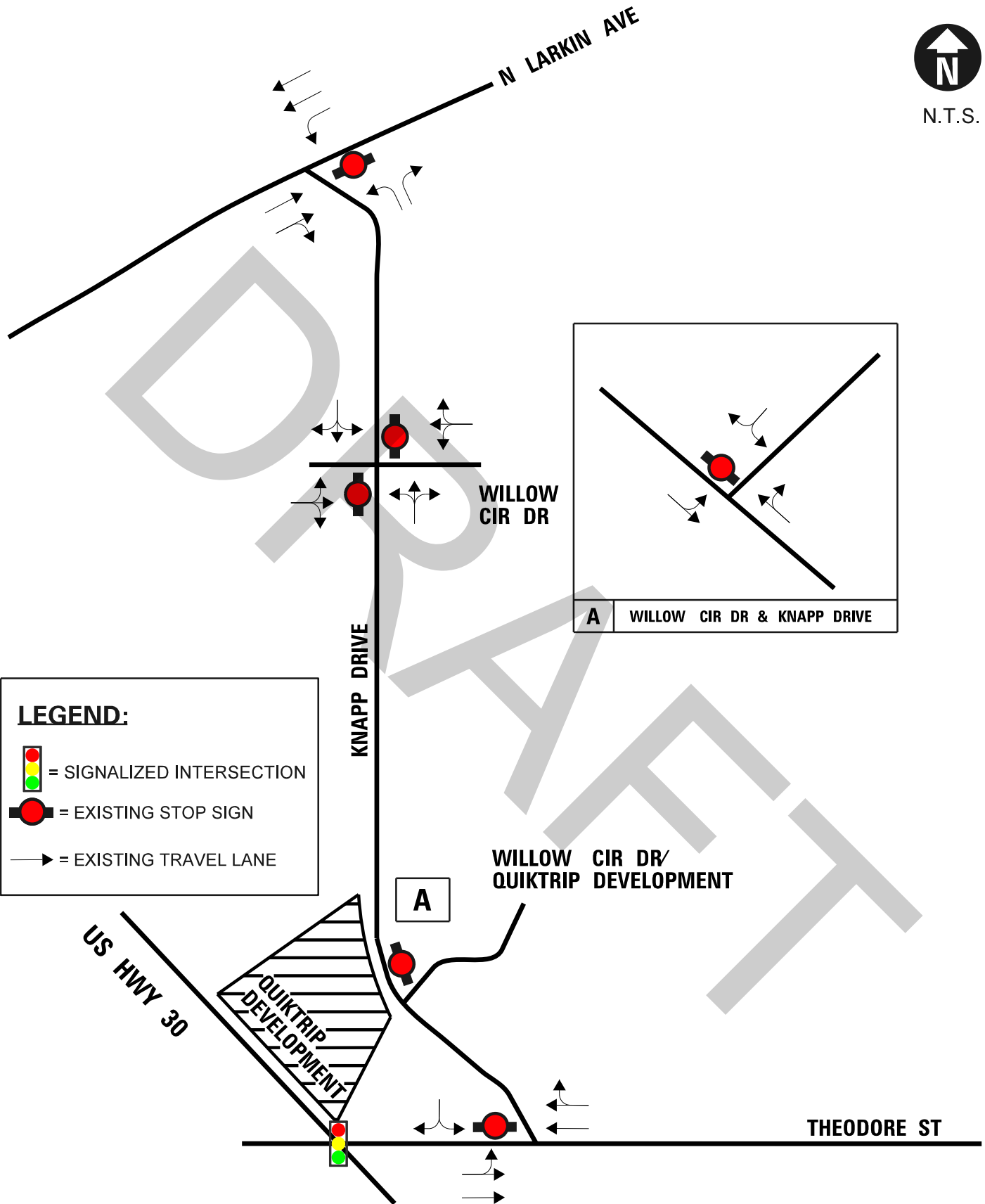
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**LOCATION MAP**  
**KNAPP DRIVE FROM THEODORE STREET**  
**TO LARKIN AVENUE / WEBER ROAD**

|         |           |
|---------|-----------|
| DESIGN  | PS        |
| DRAWN   | FPB       |
| CHECKED | EAJ       |
| SCALE   | 1" = 2'   |
| DATE    | 1/23/2026 |

|             |        |
|-------------|--------|
| PROJECT NO. | 250180 |
| EXHIBIT NO. | 1      |





### LEGEND:

-  = SIGNALIZED INTERSECTION
-  = EXISTING STOP SIGN
-  = EXISTING TRAVEL LANE

US HWY 30

QUICKTRIP  
DEVELOPMENT

A

WILLOW CIR DR/  
QUICKTRIP DEVELOPMENT

THEODORE ST



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TITLE:

EXISTING LANE CONFIGURATION

|             |          |
|-------------|----------|
| PROJECT NO. | 250180   |
| DATE:       | 9/9/2025 |
| EXHIBIT NO. | 2        |

## MEMORANDUM

County Division of Transportation. The revised geometry has five (5) lanes, two-way traffic with a new southwest-bound left turn lane. Knapp Drive is stop-controlled at its intersection with Larkin Avenue/Weber Road. The Knapp Drive approach has an exclusive right turn lane and left turn lane. Larkin Avenue/Weber Road falls under the jurisdiction of Will County.

### Knapp Drive and IL Route 7 (Theodore Street)

The intersection of Knapp Drive and IL Route 7 (Theodore Street) is a three-legged intersection. IL Route 7 (Theodore Street) has five (5) lanes, two-way traffic with a flush median. Knapp Drive is a two-lane, two-way road. Knapp Drive has one shared lane with no exclusive turn lanes. Illinois Route 7 (Theodore Street) is under the jurisdiction of IDOT.

### Knapp Drive and Willow Circle Drive (North)

The intersection of Knapp Drive and Willow Circle Drive (North) is a four-legged intersection with Knapp Drive on north-south direction and Willow Circle Drive leading to the Willow Falls senior living community on the east side of Knapp Drive and access to the strip plaza on the west side of Knapp Drive. Both Knapp Drive and Willow Circle Drive are under the jurisdiction of the City of Crest Hill.

### Knapp Drive and Willow Circle Drive (South)

The intersection of Knapp Drive and Willow Circle Drive (South) is a four-legged intersection with Knapp Drive in the north-south direction and Willow Circle Drive leading to the Willow Falls senior living community on the east side of Knapp Drive and access to the former Crest Hill City Hall on the west side of Knapp Drive.

## QUIKTRIP PLANNED DEVELOPMENT

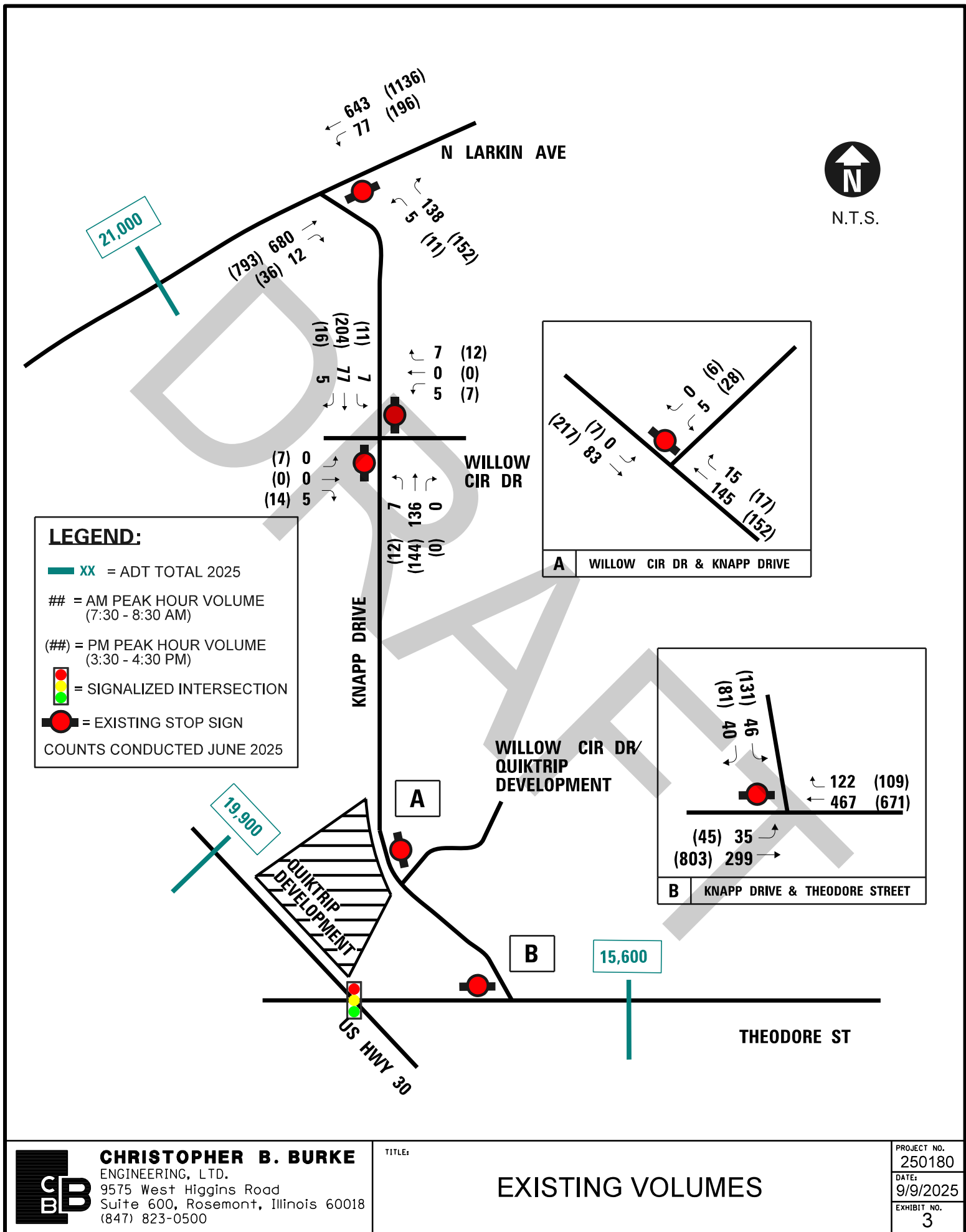
The study area includes the old City Hall site located on the northeast quadrant of US 30 (Plainfield Road) and IL Route 7 (Theodore Street). The old City Hall site, which is approximately 5.85 acres, will be redeveloped into a proposed 16 fueling position QuikTrip gas station with a 5,312 square foot convenience store, and an approximate 3,000 square foot drive through (future) restaurant. The proposed site will provide three access points, two of them along US Route 30 (Plainfield Road) and one full access at Knapp Drive and Willow Circle Drive (south). The Traffic Impact Study (TIS) dated July 31, 2025, by Kenig, Lindgren, O'Hara, Aboona, Inc. (KLOA), indicates that the proposed QuikTrip development would generate 187 vehicle trips in the AM peak period, 151 vehicle trips in the PM peak period and 152 vehicle trips on Saturday on Knapp Drive. These vehicle trips represent approximately 33% of the total trip generation of the proposed development with half being inbound to the site and half being outbound from the site during each of the three peak periods: weekday AM, weekday PM and Saturday. Table 1 below provides a summary of the expected trip generation of the proposed development at the Knapp Drive and Willow Circle Drive (south) site access. See Exhibit 4 for projected Quiktrip volumes. The volumes in Exhibit 3 were added to Exhibit 4 and resulted in the volumes in Exhibit 5, Total Volumes. The



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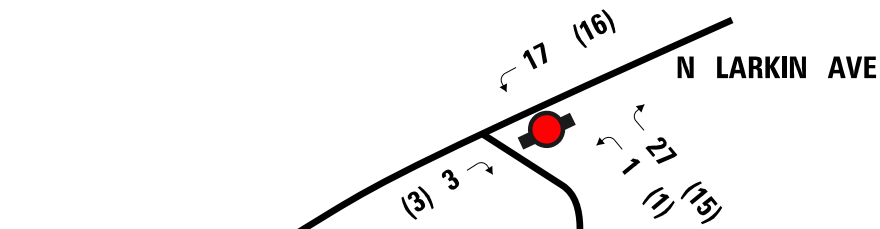


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TITLE:

## EXISTING VOLUMES

PROJECT NO.  
250180  
DATE:  
9/9/2025  
EXHIBIT NO.  
3



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### LEGEND:

## = AM PEAK HOUR VOLUME  
(7:30 - 8:30 AM)

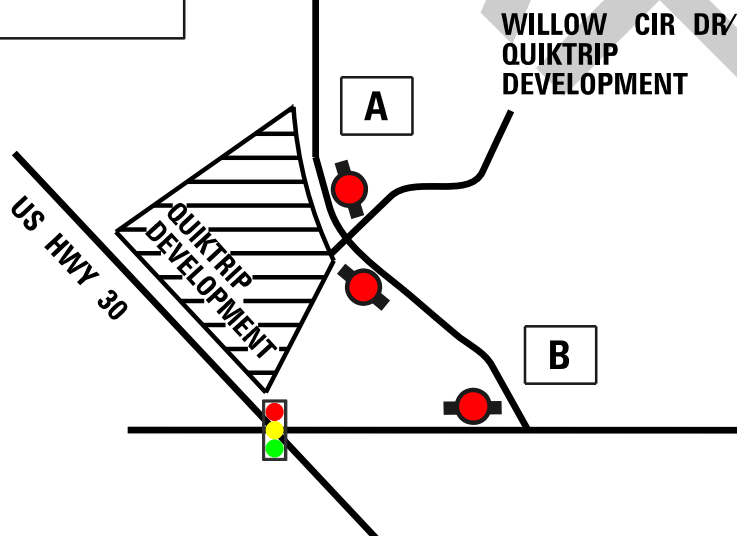
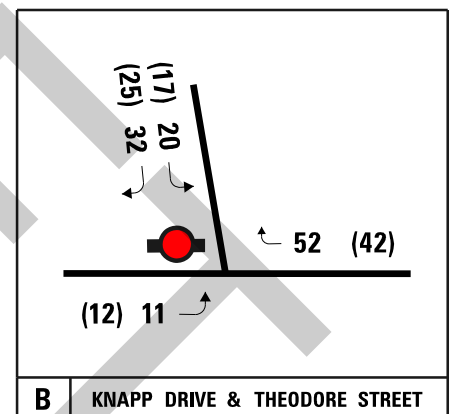
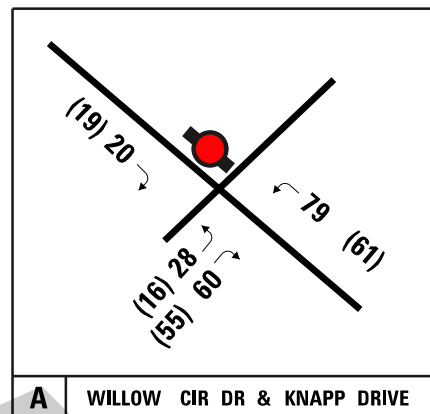
(##) = PM PEAK HOUR VOLUME  
(3:30 - 4:30 PM)



= SIGNALIZED INTERSECTION



= EXISTING STOP SIGN



\* QUIKTRIP SITE GENERATED VOLUMES FROM KLOA TIS DATED JULY 31, 2025

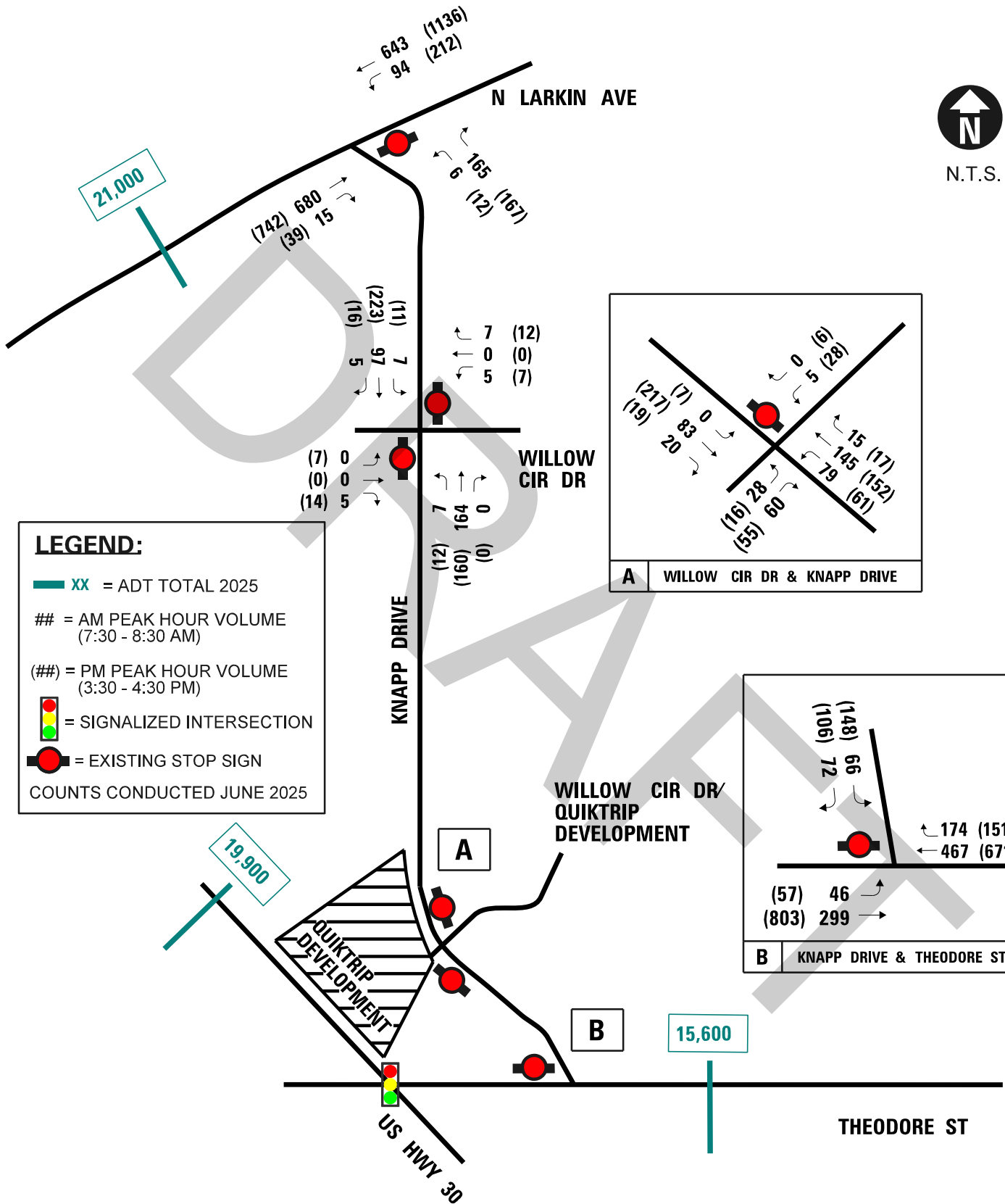


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TITLE:

**QUIKTRIP GENERATED VOLUMES**

PROJECT NO.  
**250180**  
DATE:  
**9/9/2025**  
EXHIBIT NO.  
**4**



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**TOTAL VOLUMES**

PROJECT NO.  
**250180**  
DATE:  
**9/9/2025**  
EXHIBIT NO.  
**5**



## MEMORANDUM

appendix contains additional data from the KLOA TIS regarding the proposed development's traffic generation.

### WILLOW FALLS TOWNHOME ASSOCIATION

The City is in receipt of communication on behalf of the Willow Falls Townhome Association (HOA) on September 16, 2025 regarding concerns about the proposed Quik Trip development. The HOA is specifically requesting that all access to the proposed Quik Trip development be limited to US Route 30. This would eliminate any Quik Trip access to Knapp Drive. The HOA concerns are the potential increased traffic, cut-through traffic and the perceived safety impacts including speeding along Knapp Drive which could be exacerbated due to the proposed Quik Trip development. Several alternatives have been developed in this traffic analysis with the goal of reducing cut-through traffic volumes, reducing speeds and improving safety along Knapp Drive between IL Route 7 (Theodore Street) and Larkin Avenue/Weber Road.

CBBEL estimated the vehicle trips using the land uses proposed in the Quik Trip development at the intersection of Knapp Drive and Willow Circle Drive (south), which is shown in the table below:

**Table 1: QuikTrip - Trip Generation at Knapp Drive & Willow Circle Drive (south)**  
(Includes gas station/convenience store plus 5,500 sq ft total restaurant space)

| Time Period | Inbound | Outbound | Total |
|-------------|---------|----------|-------|
| AM          | 98      | 82       | 170   |
| PM          | 126     | 105      | 231   |
| SAT         | 97      | 81       | 178   |

### DATA COLLECTION

CBBEL conducted turning movement counts and an origin-destination study, referred to as an O-D Study, on June 25, 2025, from 7 am to 7 pm along Knapp Drive including the intersections of IL Route 7 (Theodore Street), Willow Circle Drive (north and south intersections), and Larkin Avenue. See Exhibit 3 for the existing traffic volumes and Exhibit 6 for the volume of peak hour cut through traffic. The raw count data and the O-D data are included in the Appendix.

CBBEL performed field observations to observe general traffic characteristics during a typical day during the AM peak period on August 28, 2025, and the PM peak period on August 27, 2025.



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**LEGEND:**

## = AM PEAK HOUR CUT-THROUGH VOLUME (7:30 - 8:30 AM)

(##) = PM PEAK HOUR CUT-THROUGH VOLUME (3:30 - 4:30 PM)

= LESS THAN 50% CUT-THROUGH VOLUME

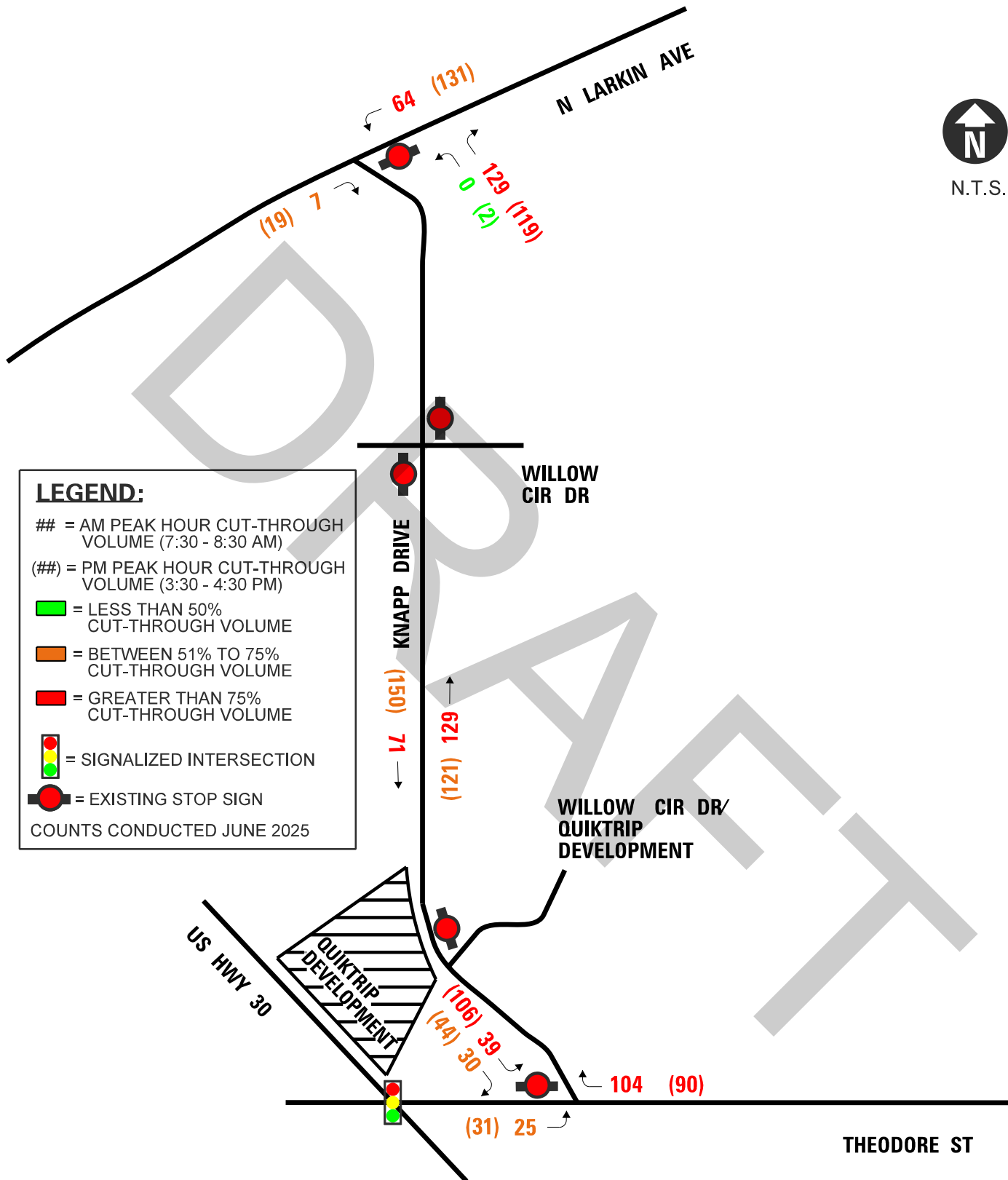
= BETWEEN 51% TO 75% CUT-THROUGH VOLUME

= GREATER THAN 75% CUT-THROUGH VOLUME

 = SIGNALIZED INTERSECTION

 = EXISTING STOP SIGN

COUNTS CONDUCTED JUNE 2025



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**EXISTING CUT-THROUGH VOLUMES**

PROJECT NO.  
**250180**  
DATE:  
**9/23/2025**  
EXHIBIT NO.  
**6**

## MEMORANDUM

### Field Data

The field observations and the O-D study revealed that during the AM period (7 am to 10 am) approximately 78% of the northbound/southbound traffic along Knapp Drive was cut-through. The cut-through percentage decreased to approximately 71% during the PM period (4 pm to 7 pm). During the rest of the daytime (10 am to 4 pm) the percentage of cut-through traffic on Knapp Drive was approximately 67%. During the AM and PM Peak periods, it was observed that only a few vehicles on Knapp Drive had their destination along Knapp Drive. The only time that queues were noted on Knapp Drive was in the PM Peak for the southbound movement at the IL Route 7 (Theodore Street) intersection due primarily to the southbound left turn movement.

### **CRASH ANALYSIS**

CBBEL retrieved the five (5) year crash history along the project study area, the intersection at the north end, Knapp Drive and Larkin Avenue/Weber Road, along Knapp Drive and the intersection at the south end, Knapp Drive and IL Route 7 (Theodore Street) for the period of five (5) years from 2020 to 2024 were studied.

#### Knapp Drive at Larkin Avenue/Weber Road

There were 21 (52.5%) front to rear, 7 (17.5%) sideswipe same direction, 6 (15.0%) fixed object crashes, 4 (10.0%) angle and turning type crashes, one (2.5%) front to front, one (2.5%) other non-collision type crashes among 40 total crashes at Knapp Drive and Larkin Avenue/Weber Road. 11 (27.5%) of the total crashes occurred during wet conditions and 9 (22.5%) occurred during the nighttime.

#### Knapp Drive Segment

There was a total of 5 crashes along Knapp Drive including the two intersections with Willow Circle Drive. There was one (1) turning type, one (1) overturning type, one (1) pedestrian crash with a fatal injury at the North Willow Circle Intersection and, one (1) sideswipe opposite direction at the South Willow Circle Intersection. There was one (1) fixed object type crash north of the South Willow Circle Intersection. 1 (20.0%) of these crashes occurred during wet conditions and 1 (20.0%) occurred during the nighttime.

#### Knapp Drive at IL Route 7 (Theodore Street)

There were 23 (67.7%) angle and turning type crashes, 4 (11.8%) front to rear crashes, 4 (11.8%) sideswipe same direction crashes, 2 (5.8%) fixed object crashes, and one (2.9%) sideswipe opposite direction crashes, among 34 total crashes at Knapp Drive and IL Route 7 (Theodore Street). Among the 23 angle and turning type crashes at Knapp Drive and IL Route 7 (Theodore Street), 11 (32.4%) were angle type crashes and 12 (35.3%) were turning type crashes. 6 (17.6%) of these crashes occurred during wet conditions and 8 (23.5%) occurred during the nighttime.



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## ALL WAY STOP WARRANT ANALYSIS

All way stop warrant analyses were performed for the intersection of Knapp Drive and Willow Circle Drive South according to the criteria set by the *Manual on Uniform Traffic Control Devices (MUTCD - 11<sup>th</sup> edition)*. The following warrants were evaluated: Warrant A (Crash Experience), Warrant B (Sight Distance), Warrant C (Transition to Signal Control or Transition to Yield Control at a Circular Intersection), Warrant D (8-Hour Volume, vehicles, pedestrians, bicycles), Warrant E (Other Factors).

The all-way stop warrant analysis results are provided in Appendix 6. A summary of the 5 warrants evaluated is provided below.

### ***Warrant A: Crash Experience***

According to the criteria outlined in Section 2B.13 (A) of the MUTCD, this warrant would be satisfied if an engineering study indicates there are five or more reported crashes in a 12-month period or six or more reported crashes in a 36-month period that can be corrected by the installation of all-way stop control.

At the intersection of Knapp Drive & Willow Circle Drive (south) Warrant A: Crash Experience is not satisfied because there are not 5 or more crashes in a 12-month period, or 6 or more crashes in a 36-month period.

### ***Warrant B: Sight Distance***

According to the criteria outlined in Section 2B.14 of the MUTCD, this warrant would be satisfied if an engineering study indicates that sight distance on the minor-road approaches controlled by a STOP sign is not adequate for a vehicle to turn onto or cross the major road.

At the intersection of Knapp Drive & Willow Circle Drive (south) Warrant B: Sight Distance is not satisfied because there are no obstructions limiting sight distance from either minor-street approach.

### ***Warrant C: Transition to Signal Control or Transition to Yield Control at a Circular Intersection***

According to the criteria outlined in Section 2B.15 of the MUTCD, this warrant would be satisfied if traffic signal warrants from MUTCD, Chapter 4C) are met for the installation of a traffic signal and the all-way stop control is installed as an interim measure, or this warrant could be satisfied for the installation of yield control at a circular intersection.

Warrant C: Transition to Signal Control or Transition to Yield Control at a Circular Intersection is not satisfied at Knapp Drive & Willow Circle Drive (south) because there is no traffic signal being proposed nor is this intersection an existing circular intersection.



## MEMORANDUM

### ***Warrant D: 8-hour volume***

According to the criteria outlined in Section 2B.16 of the MUTCD, this warrant would be satisfied where the combined volume (vehicle/bicycle/pedestrian) entering the intersection from the major street approaches is at least 300 units per hour for each of any 8 hours of a typical day; and the combined volume (vehicle/bicycle/pedestrian) volume entering the intersection from the minor-street approaches is at least 200 units per hour for each of any of the same 8 hours. If the posted speed limit or the 85th percentile approach speed exceeds 40 mph, these volume requirements may be reduced to 70 percent. See table 2 for a summary of all hours for warrant D.

At the intersection of Knapp Drive & Willow Circle Drive (south) Warrant D: 8-hour volume is not satisfied because the volumes for the major street and minor street do not satisfy the volume thresholds for eight hours. Table 2 includes the generated trips from the proposed Quik Trip development.

### ***Warrant E: Other Factors***

According to the criteria outlined in Section 2B.17 of the MUTCD, this warrant may be satisfied where an engineering study indicates that all-way stop control is needed due to other factors not addressed in other all-way stop control warrants. Some of these other factors may include: the need to control left turn conflicts, intersection of two residential neighborhood collector streets, where there is pedestrian and/or bicyclist demand that would benefit from an all-way stop.

At the intersection of Knapp Drive & Willow Circle Drive (south) Warrant E: Other factors may potentially apply in the future, based on field observations and concerns with traffic impacts of the new proposed development. The City will be reviewing intersection operations as the Quik Trip development becomes operational to evaluate if the all-way stop requirements are satisfied through Warrant E.

### ***Traffic Control Summary***

Even though warrants for all-way stop are currently not forecasted to be met at this intersection, based on the field observations, concerns with traffic impacts of the proposed Quik Trip development, and engineering judgement, we understand that the City will be recommending the implementation of all-way stop control at the intersection of Knapp Drive/Willow Circle Drive South.



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**Table 2: All Way Stop Warrant D Summary at Knapp Dr & Willow Circle Dr (south)**

| Hours                           | Major Street       | Major<br>Required | Minor Street       | Minor<br>Required | Peds/hr | Warrant D |
|---------------------------------|--------------------|-------------------|--------------------|-------------------|---------|-----------|
|                                 | Volume<br>(veh/hr) |                   | Volume<br>(veh/hr) |                   |         |           |
| 7:00 - 8:00                     | 343                | 300               | 88                 | 200               | 20      | No        |
| 8:00 - 9:00                     | 334                | 300               | 99                 | 200               | 20      | No        |
| 9:00 - 10:00                    | 331                | 300               | 103                | 200               | 20      | No        |
| 10:00 - 11:00                   | 311                | 300               | 106                | 200               | 20      | No        |
| 11:00 - 12:00                   | 433                | 300               | 151                | 200               | 20      | No        |
| 12:00 - 13:00                   | 478                | 300               | 187                | 200               | 20      | Yes       |
| 13:00 - 14:00                   | 508                | 300               | 140                | 200               | 20      | No        |
| 14:00 - 15:00                   | 455                | 300               | 139                | 200               | 20      | No        |
| 15:00 - 16:00                   | 509                | 300               | 135                | 200               | 20      | No        |
| 16:00 - 17:00                   | 515                | 300               | 144                | 200               | 20      | No        |
| 17:00 - 18:00                   | 465                | 300               | 139                | 200               | 20      | No        |
| 18:00 - 19:00                   | 437                | 300               | 122                | 200               | 20      | No        |
| Total Number of Hours Satisfied |                    |                   |                    |                   |         | 1         |
| Warrant Satisfied?              |                    |                   |                    |                   |         | No        |

### CONCLUSIONS AND ALTERNATIVES

CBBEL evaluated traffic on Knapp Drive between Larkin Avenue and IL Route 7 (Theodore Street) and determined the cut-through traffic on Knapp Drive (northbound and southbound) by time period is: 78% (AM), 67% (midday), and 71% (PM). Due to the high percentage of cut-through traffic and average vehicle speeds +12 mph over the posted speed limit, CBBEL does not recommend traffic calming measures which do not introduce physical roadway improvements, such as police enforcement, advisory signage or pavement markings because they will not be an effective solution to reduce the percentage or volume of cut-through traffic along Knapp Drive. The following is a list of CBBEL's recommended traffic calming measures and implementation approach. CBBEL recommends implementing traffic calming measures using an iterative approach beginning with one or more of the Interim Improvements. If one or more of these alternatives do not yield the desired results, the City should consider implementing one or more of the Secondary Alternatives, which generally involve engineering design, construction, and annual maintenance.



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## ***Initial Implementation- Interim Improvements***

### **Alternative 1 – All Way Stop Control at Knapp Drive and Willow Circle Drive South Barrier Median at IL 7 (Theodore Street) and Signage at Knapp Drive**

Alternative 1 consists of converting one intersection to all-way stop control and constructing a barrier median with enhanced signage near a second intersection, specifically:

- Convert the intersection of Knapp Drive and Willow Circle Drive south to an all-way-stop-control. *Even though warrants are not currently forecasted to be met at this intersection, based on the field observations, concerns with traffic impacts of the new development, and engineering judgement, we understand that the City will be recommending the implementation of all-way stop control at the intersection.*
- Construct a barrier median at IL Route 7 (Theodore Street) and add a “NO LEFT TURNS – 3:30 - 7:00 PM, MON - FRI” signage to remove the left turning vehicles from entering the IL 7 (Theodore Street) and a “NO LEFT TURN” signage on IL Route 7 (Theodore Street) to prevent the left turning vehicles from IL Route 7 (Theodore Street) to enter Knapp Drive. This alternative will eliminate a portion of northbound Knapp Drive cut through traffic and the southbound cut through traffic in the evening. Two seasonal/temporary speed tables could also be installed on Knapp Drive near Willow Circle Drive north and near Willow Circle Drive south. See Exhibit 14 for the Overall Conceptual Geometry and Exhibit 9 for a typical Section of speed table for Alternative 4. See Appendix 2 for an example of seasonal/temporary speed table by Traffic Logix.

See Exhibit 7 for the Overall Conceptual Geometry of Alternative 1.

Pros – This alternative will reduce northbound Knapp Drive cut-through traffic and eliminate eastbound queuing along IL Route 7 (Theodore Street) due to restricting the left turn movement onto Knapp Drive.

Cons – This alternative is the least restrictive flow reduction traffic calming measure since it may allow some northbound Knapp Drive cut-through traffic which rely primarily on right turns at IL Route 7 (Theodore Street). To reduce speeds, this alternative could be paired with additional traffic calming measures like the recommended permanent or seasonal speed tables. This alternative will also require permits from IDOT at IL Route 7 (Theodore Street) to construct the barrier median.

Impact on Knapp Drive Cut-Through Traffic - Up to 25% reduction in northbound volume, up to 55% reduction in southbound volume; up to 50% reduction in average speed if paired with additional traffic calming measures along Knapp Drive.

### **Alternative 2(a) – Temporary Speed Tables**

Install a minimum of two seasonal/temporary speed tables along Knapp Drive and one speed table along Willow Circle Drive. See Exhibit 17 for details of speed table. The recommended locations along Knapp Drive are: approximately 100 feet north of Willow Circle Drive North and in middle of Willow Circle Drive North and Willow Circle Drive South. The recommended location along Willow Circle Drive is near the center entrance for the Willow Falls Senior living



## MEMORANDUM

condominium complex at 1691 Willow Circle Drive. See Exhibit 8 for the Overall Conceptual Geometry and Exhibit 9 for a typical Section of speed table for Alternative 2(a). See Appendix 2 for an example of seasonal/temporary speed table by Traffic Logix.

Pros – This alternative is provided as the easiest to construct/install with a lower overall cost.

Cons – This alternative may require annual removal and installation including maintenance/replacement of the speed tables to be effective. Heavier vehicles will degrade their performance or could damage and shorten the service life of the speed tables.

Impact on Knapp Drive Cut-Through Traffic - Up to 20% reduction in volume (multiple installations), up to 40% reduction in average speed.

### **Alternative 2(b) – Permanent Speed Tables**

Install a minimum of two permanent speed tables along Knapp Drive and one speed table along Willow Circle Drive. The recommended locations along Knapp Drive are: approximately 100 feet north of Willow Circle Drive North and in middle of Willow Circle Drive North and Willow Circle Drive South. The recommended location along Willow Circle Drive is near the center entrance for the Willow Falls Senior living condominium complex at 1691 Willow Circle Drive. See Exhibit 8 for the Overall Conceptual Geometry for the Section of Road for Alternative 2(b).

Pros – This alternative is provided as one of the easiest to construct/install with one of the lower overall costs.

Cons – Installation of speed tables may impact roadway drainage if not properly designed and emergency vehicle response times could be an average of 3 seconds longer per speed table, as these vehicles traverse the speed tables at lower speeds.

Impact on Knapp Drive Cut-Through Traffic - Up to 20% reduction in volume (multiple installations), up to 40% reduction in average speed.

### **Alternative 3 – Curb “Bump Outs”/Roadway Narrowing with Speed Tables**

Construct a minimum of two curb bump outs with on-street parking along Willow Circle Drive. Input from local residents should be used to determine the specific locations and lengths of the curb bump outs. Construct a minimum of two road narrowing locations with speed tables along Knapp Drive. The recommended locations along Knapp Drive are: approximately 100 feet south of Willow Circle Drive North and approximately 450 feet north of Willow Circle Drive South. See Exhibit 10 for the Overall Conceptual Geometry and Exhibit 11 and Exhibit 12 for the sections of road of Alternative 3. See Appendix 2 for an example of seasonal/temporary speed table by Traffic Logix.

Pros – This alternative is one of the least expensive to construct but this will not eliminate cut-through traffic along Knapp Drive. The effectiveness of this alternative will depend on both the volume and arrival pattern of the northbound and southbound Knapp Drive cut-through traffic.



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Cons – This alternative will require traffic calming measures to be implemented along both Knapp Drive and Willow Circle Drive to be effective. It can cause issues in drainage if not constructed properly.

Impact on Knapp Drive Cut-Through Traffic - Up to 50% reduction in volume, up to 50% reduction in average speed with multiple installations.

### **Alternative 4 – Barrier Median at IL 7 (Theodore Street) and Signage at Knapp Drive**

Construct a barrier median at IL Route 7 (Theodore Street) and add a “NO LEFT TURNS – 3:30 - 7:00 PM, MON - FRI” signage to remove the left turning vehicles from entering the IL 7 (Theodore Street) and a “NO LEFT TURN” signage on IL Route 7 (Theodore Street) to prevent the left turning vehicles from IL Route 7 (Theodore Street) to enter Knapp Drive. This alternative will eliminate a portion of northbound Knapp Drive cut through traffic and the southbound cut through traffic in the evening. Two seasonal/temporary speed tables could also be installed on Knapp Drive near Willow Circle Drive north and near Willow Circle Drive south. See Exhibit 14 for the Overall Conceptual Geometry and Exhibit 9 for a typical Section of speed table for Alternative 4. See Appendix 2 for an example of seasonal/temporary speed table by Traffic Logix.

Pros – This alternative will reduce northbound Knapp Drive cut-through traffic and eliminate eastbound queuing along IL Route 7 (Theodore Street) due to restricting the left turn movement onto Knapp Drive.

Cons – This alternative will still allow some northbound Knapp Drive cut-through traffic which rely primarily on right turns at IL Route 7 (Theodore Street). To reduce speeds, this alternative could be paired with additional traffic calming measures like the recommended permanent or seasonal speed tables. This alternative will also require permits from IDOT at IL Route 7 (Theodore Street) to construct the barrier median.

Impact on Knapp Drive Cut-Through Traffic - Up to 25% reduction in northbound volume, up to 55% reduction in southbound volume; up to 50% reduction in average speed if paired with additional traffic calming measures along Knapp Drive.

### **Secondary Implementations (As Necessary)**

### **Alternative 5 – Right In-Right Out with Speed Tables**

Construct a barrier curb median at the intersection of Knapp Drive and IL Route 7 (Theodore Street) to remove the left turning vehicles and reduce the conflict points at the intersection. The right in-right out feature will reduce/eliminate the turning and angle type crashes and significantly reduce the level of northbound Knapp Drive cut through traffic. Two permanent or seasonal/temporary speed tables could also be installed on Knapp Drive near Willow Circle Drive north and near Willow Circle Drive south. See Exhibit 13 for the Overall Conceptual Geometry and Exhibit 9 for a typical Section of speed table for Alternative 5. See Appendix 2 for an example of seasonal/temporary speed table by Traffic Logix.



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## MEMORANDUM

Pros – This alternative will significantly reduce southbound Knapp Drive cut-through traffic.

Cons – This alternative will still allow northbound Knapp Drive cut-through traffic which rely primarily on right turns at IL Route 7 (Theodore Street) and at Larkin Avenue/Weber Road. This alternative could increase vehicles using the El Güero grocery store parking lot as a cut-through route. To reduce speeds, this alternative could be paired with additional traffic calming measures like the recommended permanent or seasonal speed tables. This alternative will also require permit from IDOT at IL Route 7 (Theodore Street).

Impact on Knapp Drive Cut-Through Traffic - Up to 50% reduction in volume, up to 50% reduction in average speed.

### **Alternative 6(a) – New Access Road and Restrict Turning Movements on IL 7 (Theodore Street) and Knapp Drive**

Install new access on US Route 30 (Plainfield Rd) through “New Access Road” with a right of way (ROW) width of 60 feet. In addition, construct a barrier curb median at IL 7 (Theodore Street) remove the left turning vehicles from the intersection and reduce the conflict points at the intersection. The RIRO feature will reduce/eliminate the turning and angle type crashes and significantly reduce the level of northbound Knapp Drive cut through traffic. See Exhibit 15 for the Overall Conceptual Geometry and Exhibit 9 and Exhibit 10 for the Section of Road for Alternative 6(a). See Appendix 2 for an example of seasonal/temporary speed table by Traffic Logix.

Pros – This alternative will significantly reduce southbound Knapp Drive cut-through traffic originating and ending at IL 7 (Theodore Street).

Cons – This alternative may create cut through traffic originating at US Route 30 (Plainfield Road). Also, this alternative may require additional traffic calming measures along Willow Circle Drive like curb bump outs, permanent/seasonal speed tables or roadway narrowing to further discourage determined cut-through drivers.

Impact on Knapp Drive Cut-Through Traffic - Up to 25% reduction in northbound volume, up to 55% reduction in southbound volume; up to 50% reduction in average with additional traffic calming measures along Knapp Drive.

### **Alternative 6(b) – New Knapp Drive Access Road and Cul-de-sac at Knapp Drive south of Willow Circle Drive South**

Construct a new Knapp Drive Access Road with a ROW width of 60 feet to access US Route 30 (Plainfield Road). Construct a cul-de-sac about 100 feet south of the Willow Circle Drive South. The cul-de-sacs will essentially close Knapp Drive to through traffic from IL Route 7 (Theodore Street). See Exhibit 16 for the Overall Conceptual Geometry and Exhibit 9 and Exhibit 10 for the Section of Road for Alternative 6(b). See Appendix 2 for an example of seasonal/temporary speed table by Traffic Logix.



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## MEMORANDUM

Pros – This alternative will virtually eliminate Knapp Drive cut-through traffic originating and ending at IL 7 (Theodore Street).

Cons – This alternative may create cut through traffic originating at US Route 30 (Plainfield Road). This alternative would substantially impact Willow Falls residents by limiting access to IL Route 7 (Theodore Street).

Impact on Knapp Drive Cut-Through Traffic - Up to 100% reduction in volume and also average speed at IL Route 7 (Theodore Street) & Knapp Drive. Along Knapp Drive north of Willow Circle (south) it is estimated up to a 50% reduction in volume since the only way to access Knapp Drive from the south is through the proposed gas station or through the new access road. Up to 50% reduction in average speed if additional traffic calming measures are installed along Knapp Drive north of Willow Circle (south).

### **Alternative 7 – Two Cul-de-sacs and Speed Table**

Construct two cul-de-sacs to restrict traffic from Larkin Avenue/Weber Street and IL Route 7 (Theodore Street). The cul-de-sacs will essentially close Knapp Drive to through traffic in between Willow Circle Drive North and Willow Circle Drive South, which would significantly add travel time for the cut through traffic. See Exhibit 17 for the Overall Conceptual Geometry and Exhibit 9 for a typical Section of speed table for Alternative 7. See Appendix 2 for an example of seasonal/temporary speed table by Traffic Logix.

Pros – This alternative would reduce Knapp Drive cut-through traffic.

Cons – This alternative is the most restrictive flow reduction traffic calming measure and may require coordination with the residents and emergency services. Also, this alternative may require additional traffic calming measures along Willow Circle Drive like curb bump outs, permanent/seasonal speed tables or roadway narrowing to further discourage determined cut-through drivers. This alternative is expected to increase traffic volumes, including cut-through traffic on Willow Circle Drive.

Impact on Knapp Drive Cut-Through Traffic - Up to 100% reduction in volume and up to 100% reduction in speed of cut-through traffic depending on the effectiveness of the traffic calming measures along Willow Circle Drive.

### **Alternative 8 – Single Roundabout at Knapp Drive with Barrier Curb at IL Route 7 (Theodore Street)**

Construct a roundabout on Knapp Drive 200 ft south of Willow Circle Drive North to slow down the traffic and discourage the cut through traffic. In addition, construct a barrier curb median at the intersection of Knapp Drive and IL Route 7 (Theodore Street) to remove the left turning vehicles and reduce the conflict points at the intersection. The right in-right out feature will reduce/eliminate the turning and angle type crashes and significantly reduce the level of northbound Knapp Drive cut through traffic. See Exhibit 18 for the Overall Conceptual Geometry of Alternative 8.



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## MEMORANDUM

Pros – The roundabout can add character to the neighborhood and should slow down traffic. The barrier curb median and right in-right out feature will significantly reduce southbound Knapp Drive cut-through traffic

Cons – This alternative is expensive and may not discourage determined drivers from utilizing Knapp Drive as a cut-through route. Lighting is required at the roundabout. Extensive right-of-way acquisition would be required.

Impact on Knapp Drive Cut-Through Traffic - up to 50% reduction in volume and up to 50% reduction in speed of cut-through traffic.

### **Alternative 9 – Two Roundabouts**

Construct two roundabouts along Knapp Drive, one at Willow Circle Drive North and another at Willow Circle Drive South to slow down the traffic and discourage the cut through traffic. See Exhibit 19 for the Overall Conceptual Geometry of Alternative 9.

Pros – This alternative can add character to the neighborhood and should slow down traffic which can reduce traffic speeds and a portion cut-through volume.

Cons – This alternative is expensive and may not discourage determined drivers from utilizing Knapp Drive as a cut-through route. Extensive improvements would be required to cross the large existing ditch. Lighting is required at roundabouts. Extensive right-of-way acquisition and access modifications would be required.

Impact on Knapp Drive Cut-Through Traffic - Up to 75% reduction in volume and up to 75% reduction in speed of cut-through traffic.

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# MEMORANDUM

## List of Appendix:

1. Traffic Calming Alternatives Concept Geometry
2. Speed Table by Traffic Logix
3. Turning Movement Counts
4. Origin-Destination Hourly Summary
5. Warrant Analysis
6. Crash Data
7. KLOA July 2025 TIS - Trip Generation Data



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Appendix 1  
(Turning Calming Alternatives Concept Geometry)



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KNAPP  
DRIVE

WILLOW CIRCLE  
DRIVE (SOUTH)

KNAPP  
DRIVE

SIGN ASSEMBLY (TYP.)



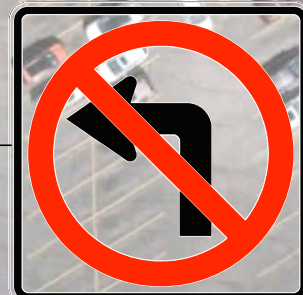
R1-1  
30" x 30"

ALL WAY

R1-3P  
18" x 6"



0 25 50  
SCALE IN FEET



3:30 PM - 7:00 PM  
MON - FRI



DELINEATOR (TYP.)

IL 7 (THEODORE STREET)

PLAINFIELD ROAD



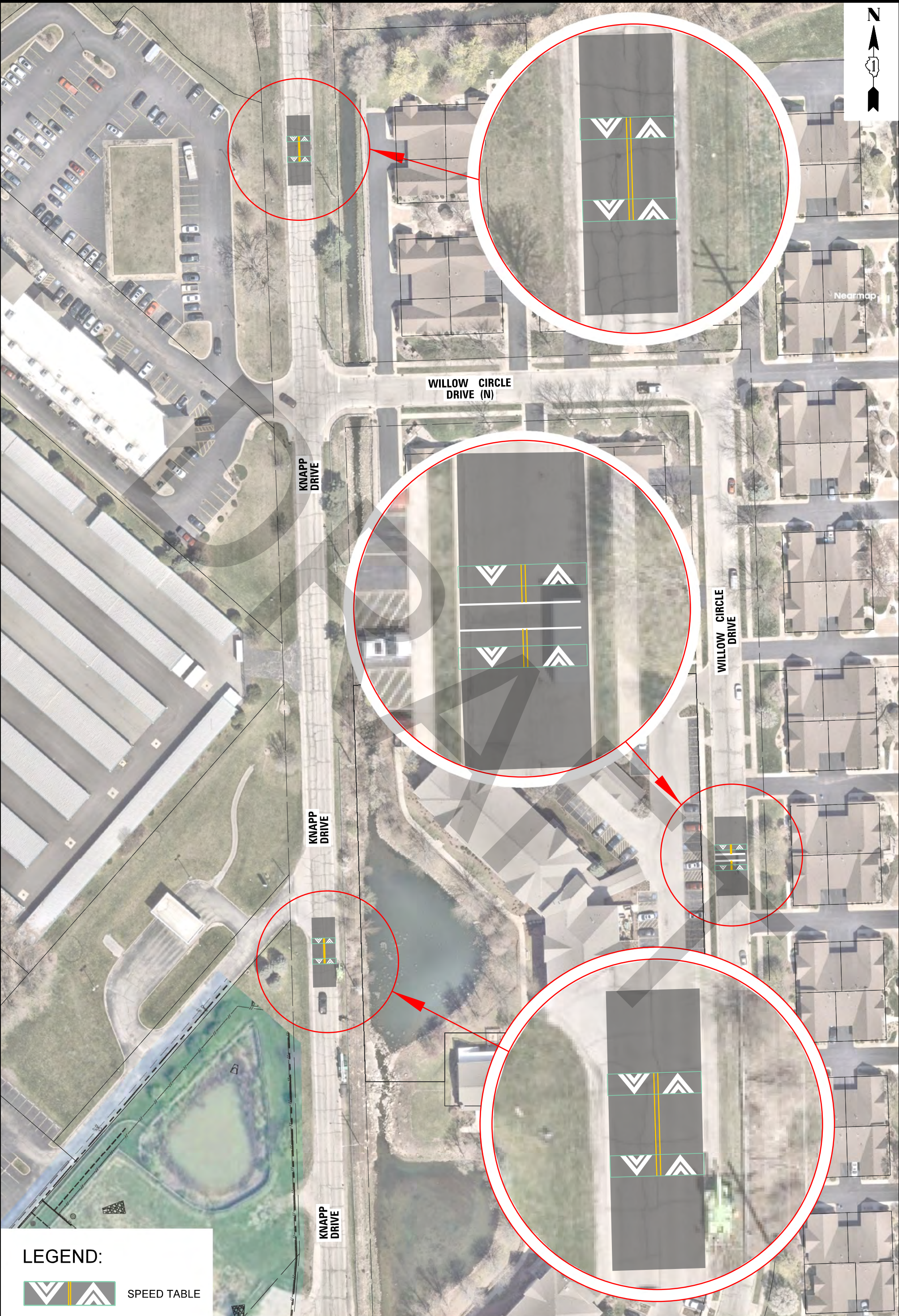
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**OVERALL CONCEPTUAL GEOMETRY ALTERNATIVE 1**  
**KNAPP DRIVE FROM THEODORE STREET**  
**TO LARKIN AVENUE / WEBER ROAD**

|         |           |
|---------|-----------|
| DESIGN  | PS        |
| DRAWN   | FPB       |
| CHECKED | EAJ       |
| SCALE:  | 1" = 50'  |
| DATE:   | 1/23/2026 |

|             |        |
|-------------|--------|
| PROJECT NO. | 250180 |
| EXHIBIT NO. | 7      |





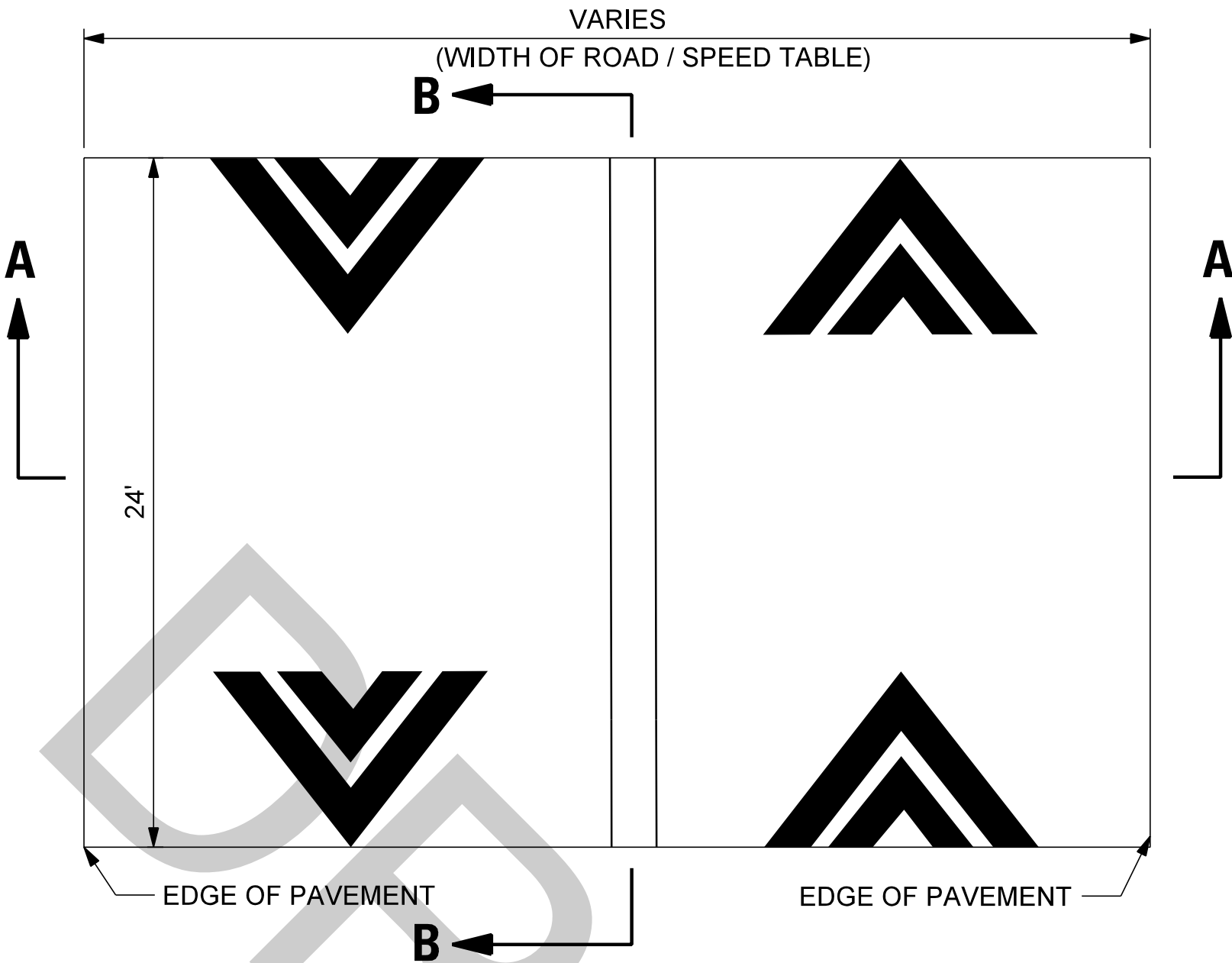
LEGEND:

SPEED TABLE

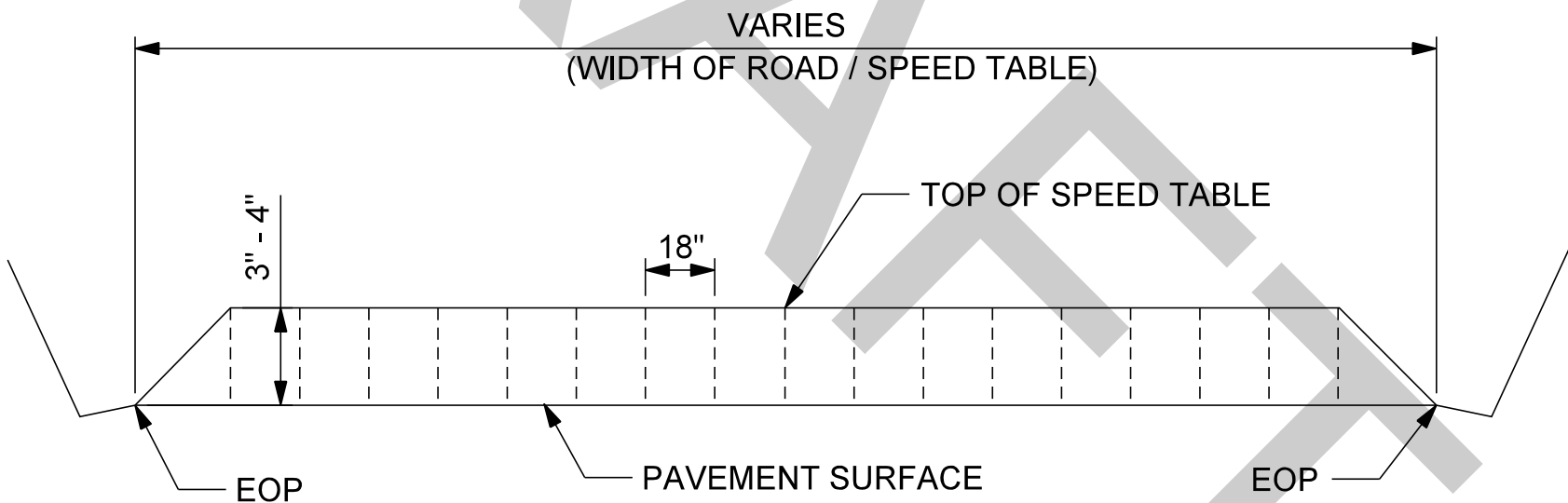
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|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------------------------------------------------------|--|--|---------|-----------|-------------|
|  | <b>CHRISTOPHER B. BURKE</b><br>ENGINEERING, LTD.<br>9575 West Higgins Road<br>Suite 600, Rosemont, Illinois 60018<br>(847) 823-0500 |  |  | <b>OVERALL CONCEPTUAL GEOMETRY ALTERNATIVE 2</b><br><b>KNAPP DRIVE FROM THEODORE STREET</b><br><b>TO LARKIN AVENUE / WEBER ROAD</b> |  |  | DESIGN  | PS        | PROJECT NO. |
|                                                                                    |                                                                                                                                     |  |  |                                                                                                                                     |  |  | DRAWN   | FPB       | 250180      |
|                                                                                    |                                                                                                                                     |  |  |                                                                                                                                     |  |  | CHECKED | EAJ       | EXHIBIT NO. |
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|                                                                                    |                                                                                                                                     |  |  |                                                                                                                                     |  |  | DATE:   | 1/23/2026 |             |



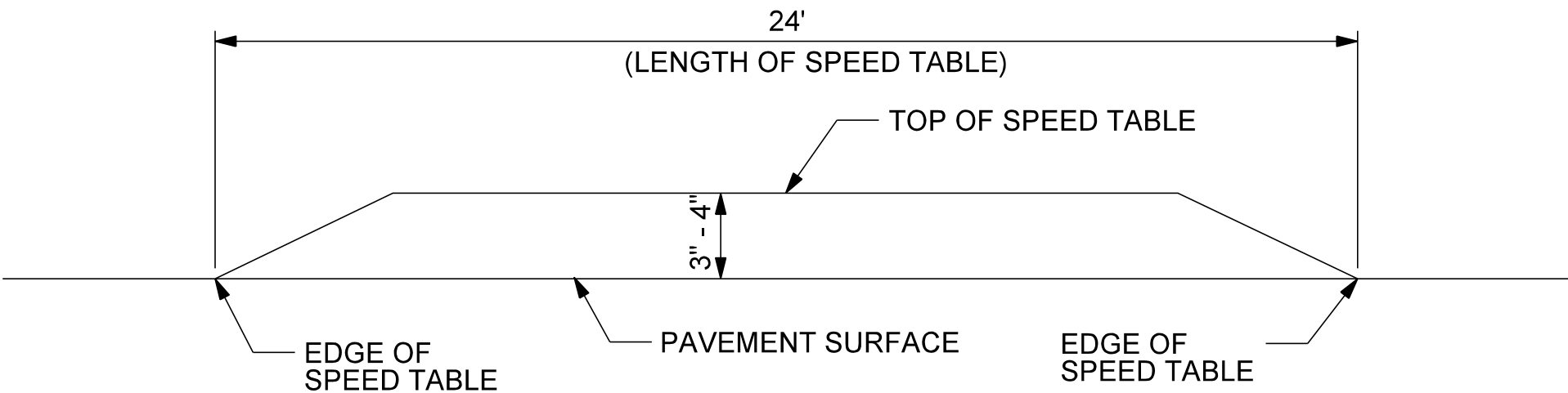
SPEED TABLE



PLAN VIEW



SECTION A-A



SECTION B-B

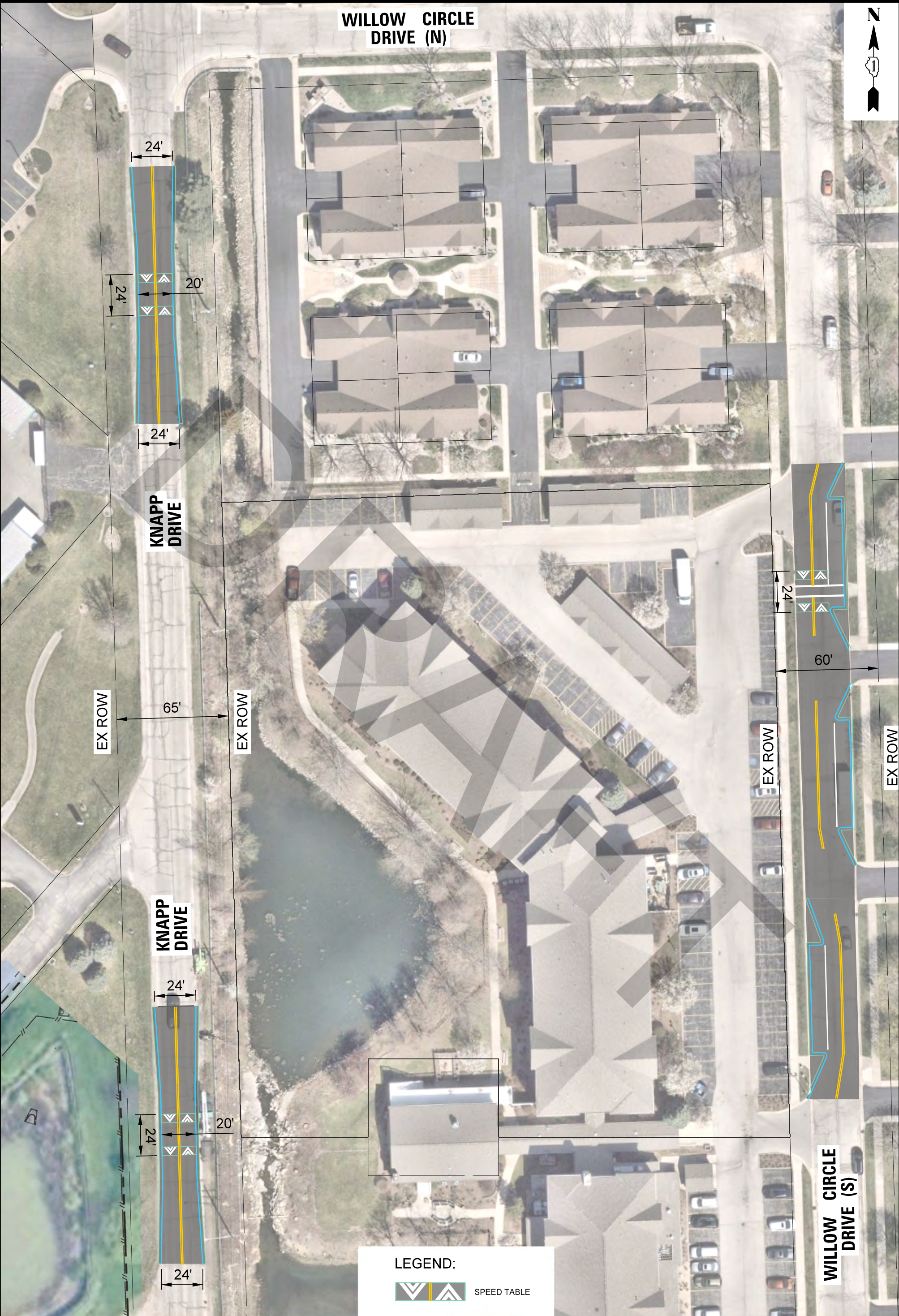


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TYPICAL SECTION  
SPEED TABLE

|         |           |             |
|---------|-----------|-------------|
| DESIGN  | PS        | PROJECT NO. |
| DRAWN   | FPB       | 250180      |
| CHECKED | EAJ       | EXHIBIT NO. |
| SCALE:  | N. T. S.  | 9           |
| DATE:   | 1/23/2026 |             |





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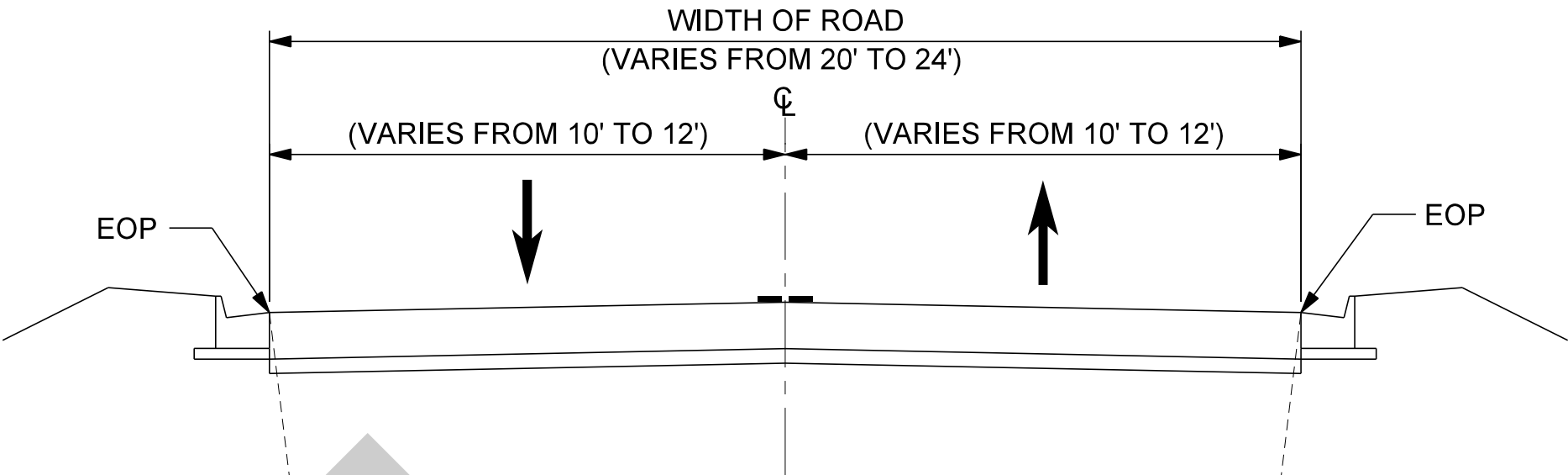
**OVERALL CONCEPTUAL GEOMETRY ALTERNATIVE 3**  
**KNAPP DRIVE FROM THEODORE STREET**  
**TO LARKIN AVENUE / WEBER ROAD**

|         |           |
|---------|-----------|
| DESIGN  | PS        |
| DRAWN   | FPB       |
| CHECKED | EAJ       |
| SCALE:  | 1"= 50'   |
| DATE:   | 1/23/2026 |

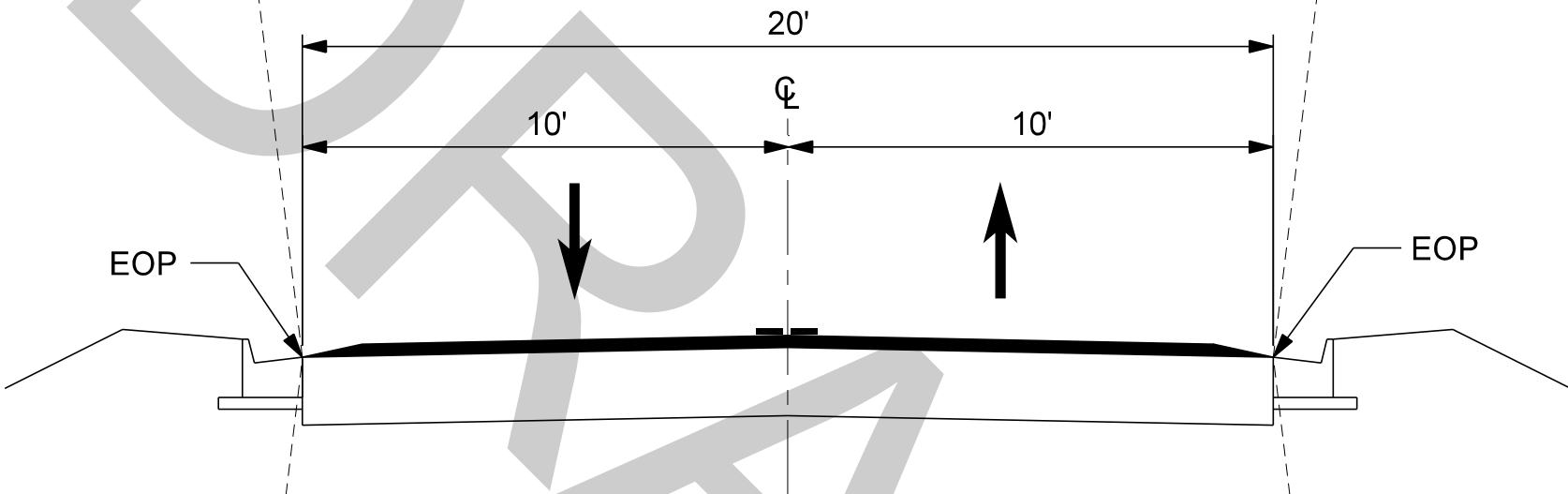
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| EXHIBIT NO. | 10     |



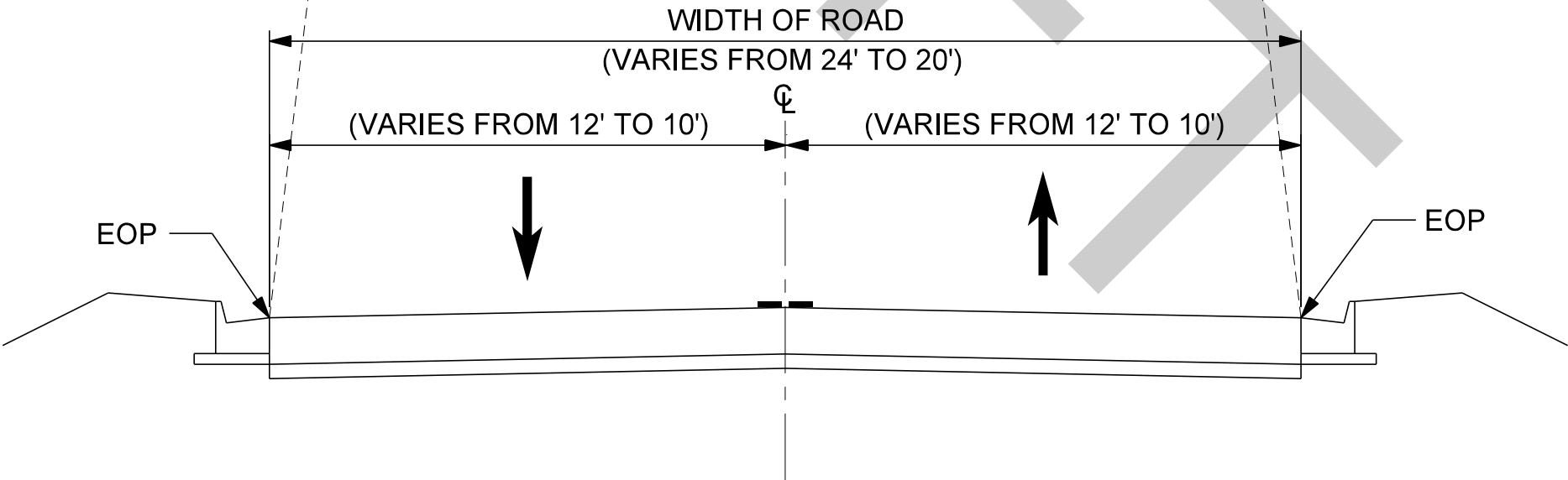
KNAPP DRIVE  
NORTHBOUND



END OF NARROWING



AT SPEED TABLE



START OF NARROWING



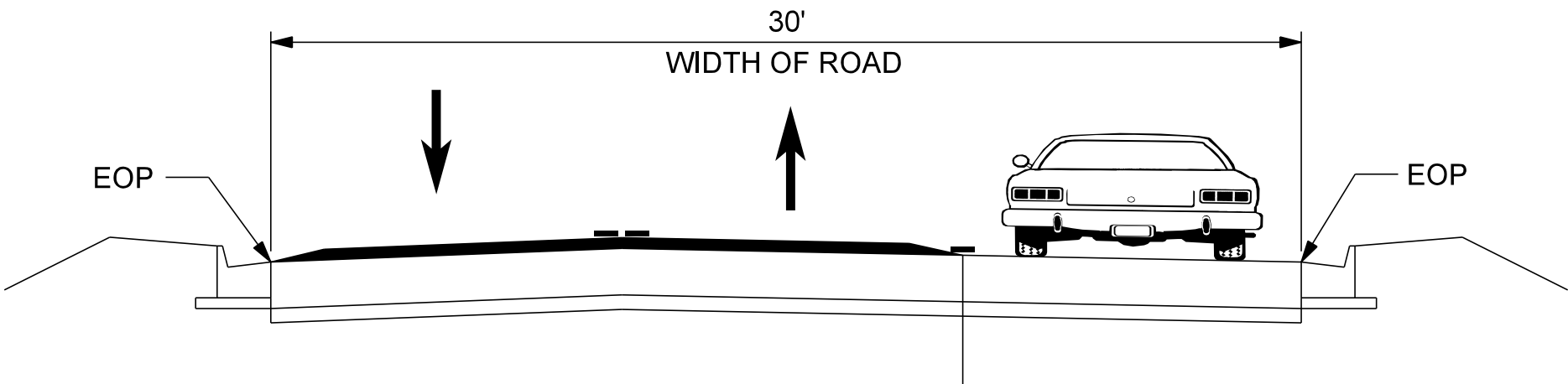
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**ALTERNATIVE 3**  
**TYPICAL SECTION – ROADWAY NARROWING**  
**KNAPP DRIVE**

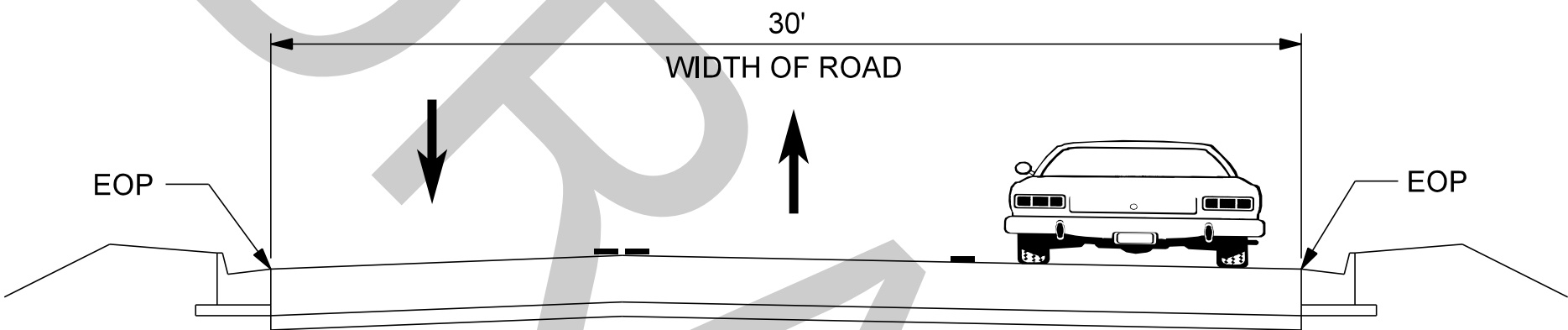
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| DESIGN  | PS        |
| DRAWN   | FPB       |
| CHECKED | EAJ       |
| SCALE:  | N. T. S.  |
| DATE:   | 1/23/2026 |

PROJECT NO.  
250180  
EXHIBIT NO.  
**11**

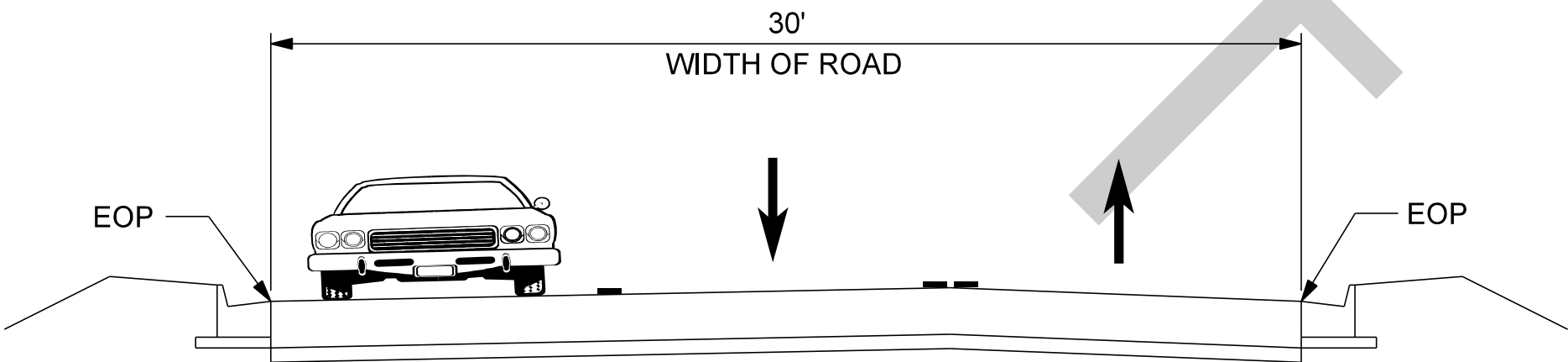
WILLOW CIRCLE DRIVE (S)  
NORTHBOUND



PARKING ON RIGHT SIDE  
WITH SPEED TABLE

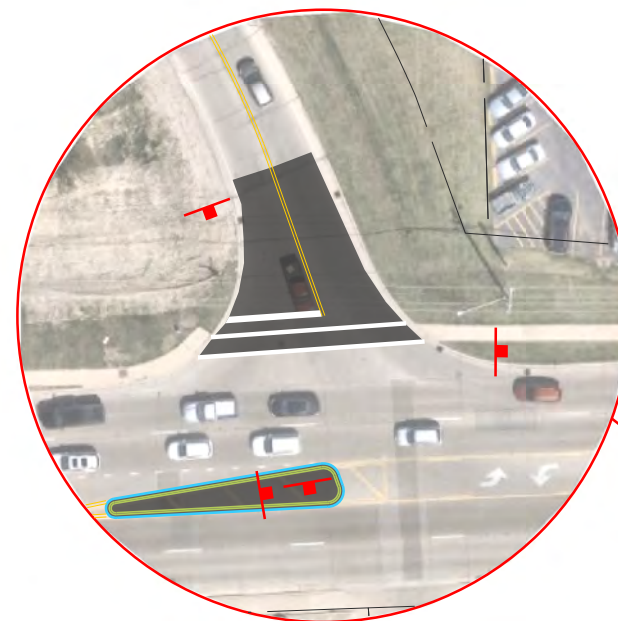


PARKING ON RIGHT SIDE



PARKING ON LEFT SIDE





LEGEND:



SPEED TABLE

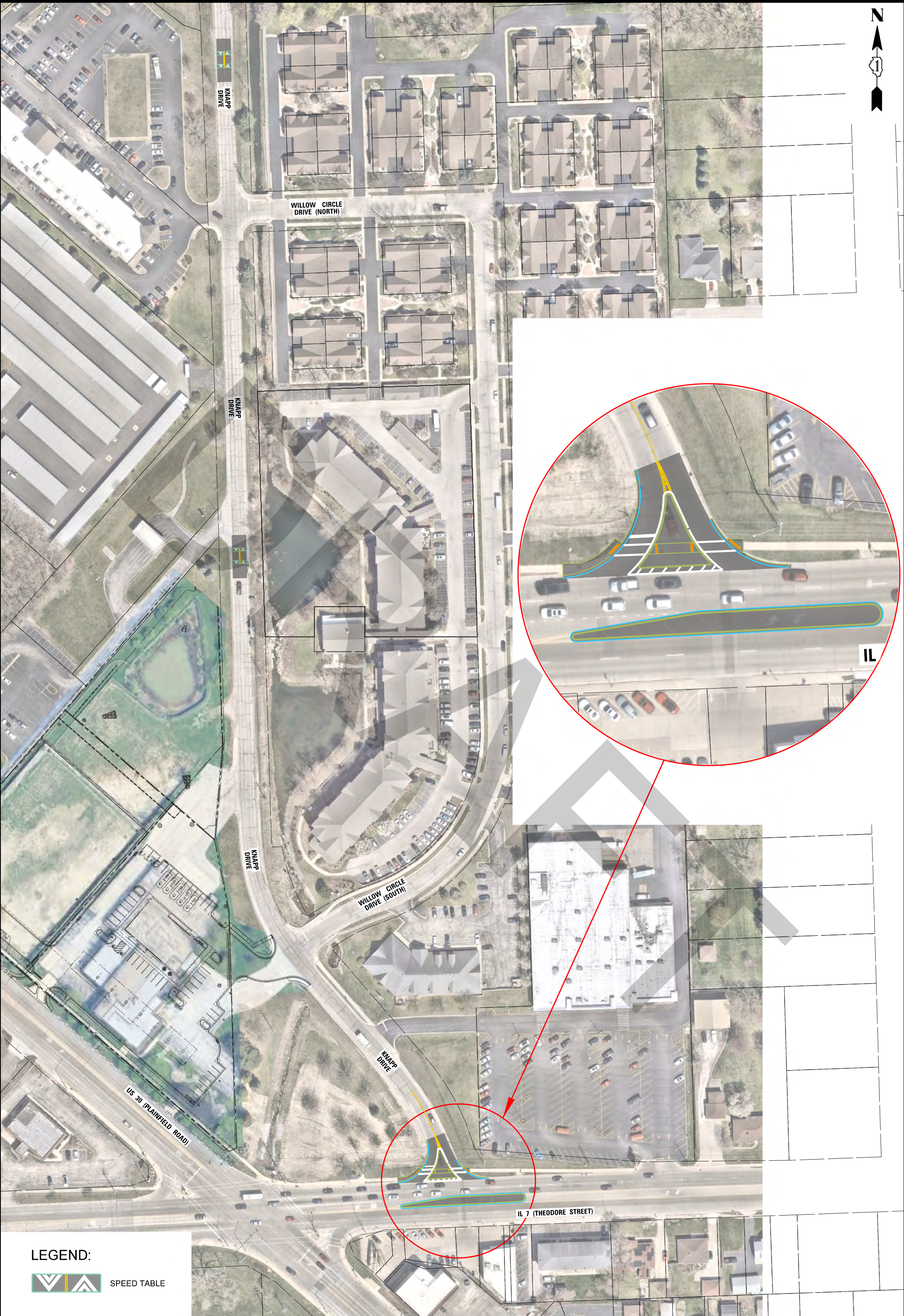


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**OVERALL CONCEPTUAL GEOMETRY ALTERNATIVE 4**  
**KNAPP DRIVE FROM THEODORE STREET**  
**TO LARKIN AVENUE / WEBER ROAD**

|         |           |             |
|---------|-----------|-------------|
| DESIGN  | PS        | PROJECT NO. |
| DRAWN   | FPB       | 250180      |
| CHECKED | EAJ       | EXHIBIT NO. |
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| DATE:   | 1/23/2026 |             |





LEGEND:



SPEED TABLE



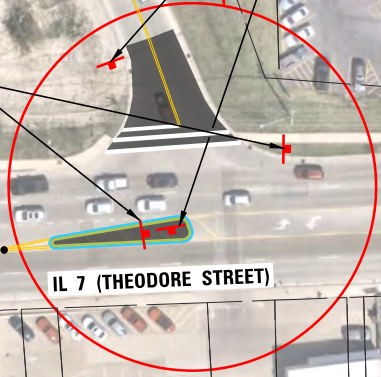
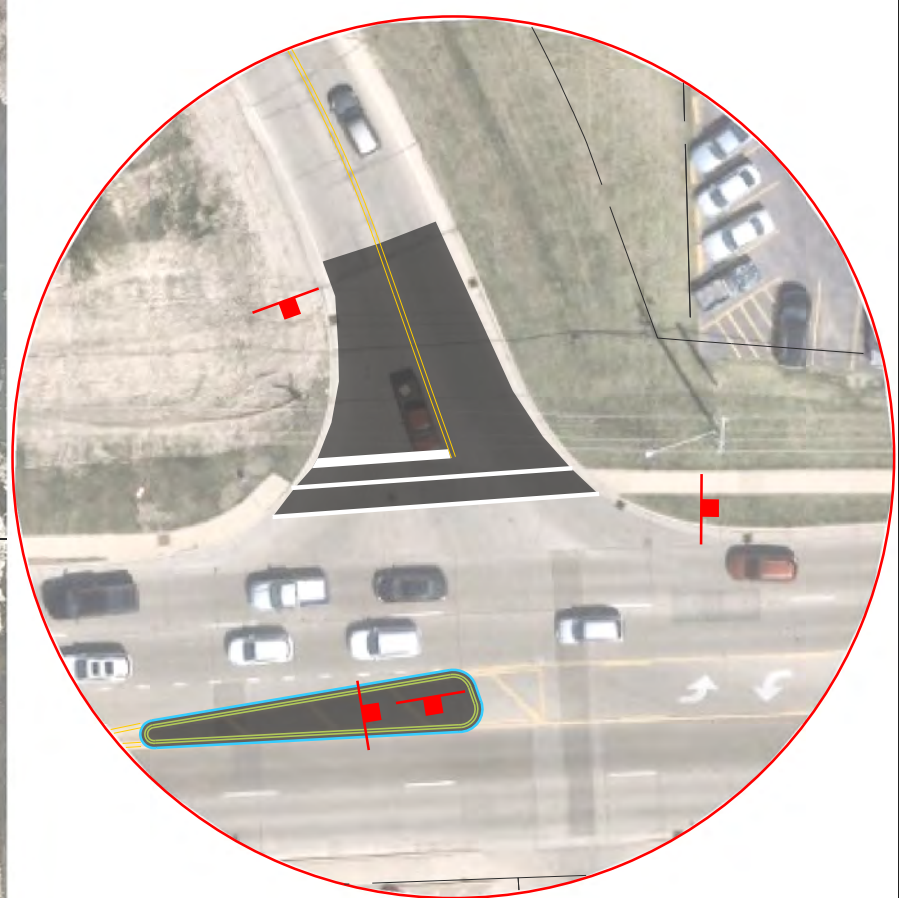
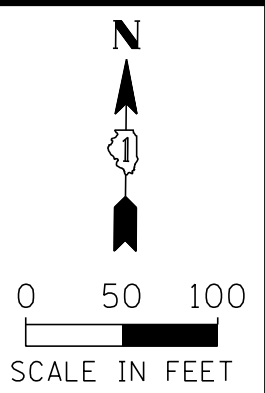
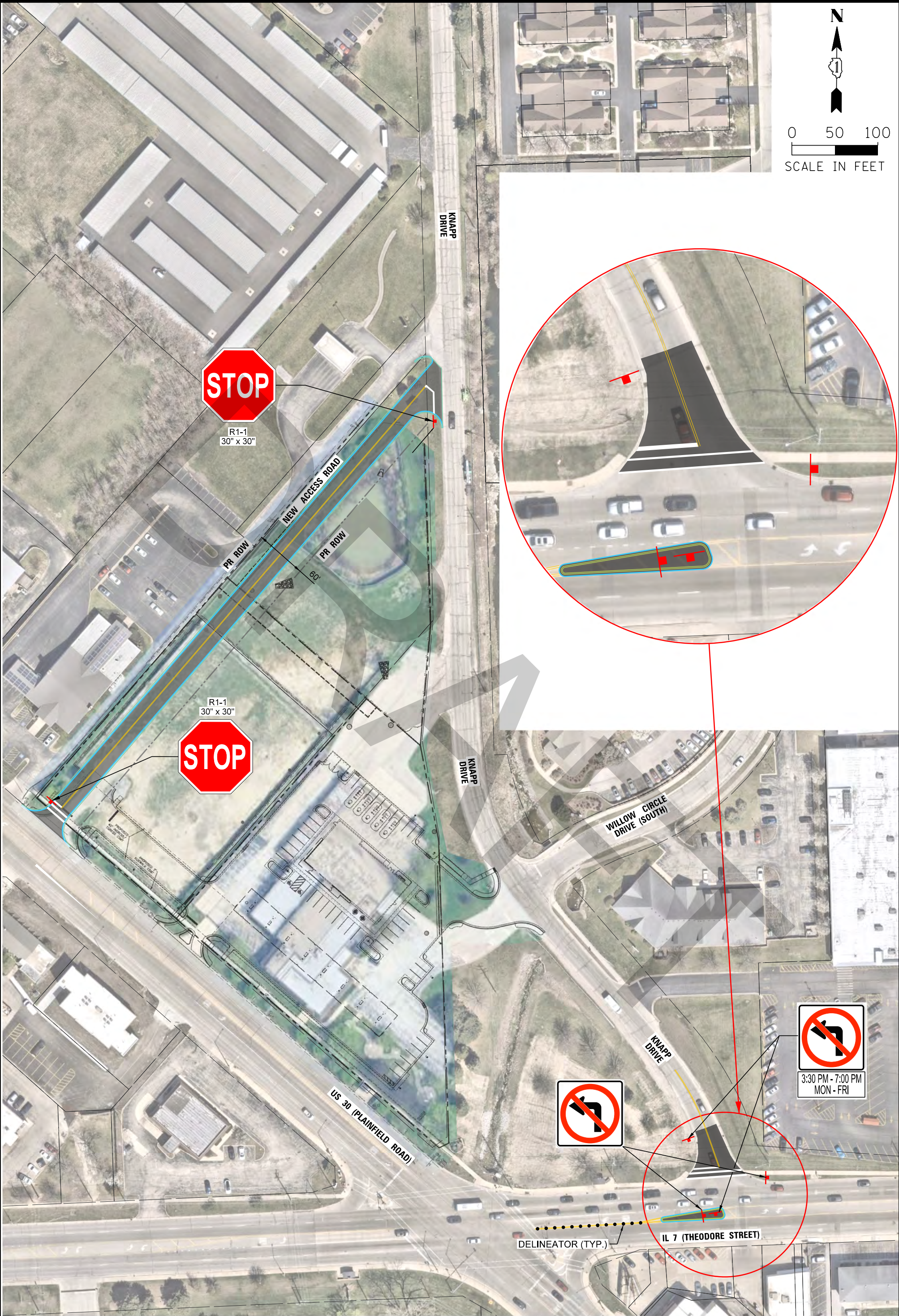
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**CONCEPTUAL GEOMETRY ALTERNATIVE 5**  
**KNAPP DRIVE FROM THEODORE STREET**  
**TO LARKIN AVENUE / WEBER ROAD**

|         |           |
|---------|-----------|
| DESIGN  | PS        |
| DRAWN   | FPB       |
| CHECKED | EAJ       |
| SCALE:  | 1"= 130'  |
| DATE:   | 1/23/2026 |

|             |        |
|-------------|--------|
| PROJECT NO. | 250180 |
| EXHIBIT NO. | 14     |





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**OVERALL CONCEPTUAL GEOMETRY ALTERNATIVE 6.a**  
**KNAPP DRIVE FROM THEODORE STREET**  
**TO LARKIN AVENUE / WEBER ROAD**

|         |           |             |
|---------|-----------|-------------|
| DESIGN  | PS        | PROJECT NO. |
| DRAWN   | FPB       | 250180      |
| CHECKED | EAJ       | EXHIBIT NO. |
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| DATE:   | 1/23/2026 |             |







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**OVERALL CONCEPTUAL GEOMETRY ALTERNATIVE 6.b**  
**KNAPP DRIVE FROM THEODORE STREET**  
**TO LARKIN AVENUE / WEBER ROAD**

|         |           |             |
|---------|-----------|-------------|
| DESIGN  | PS        | PROJECT NO. |
| DRAWN   | FPB       | 250180      |
| CHECKED | EAJ       | EXHIBIT NO. |
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| DATE:   | 1/23/2026 |             |





LEGEND:



SPEED TABLE

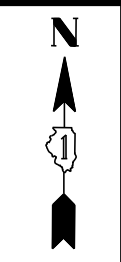
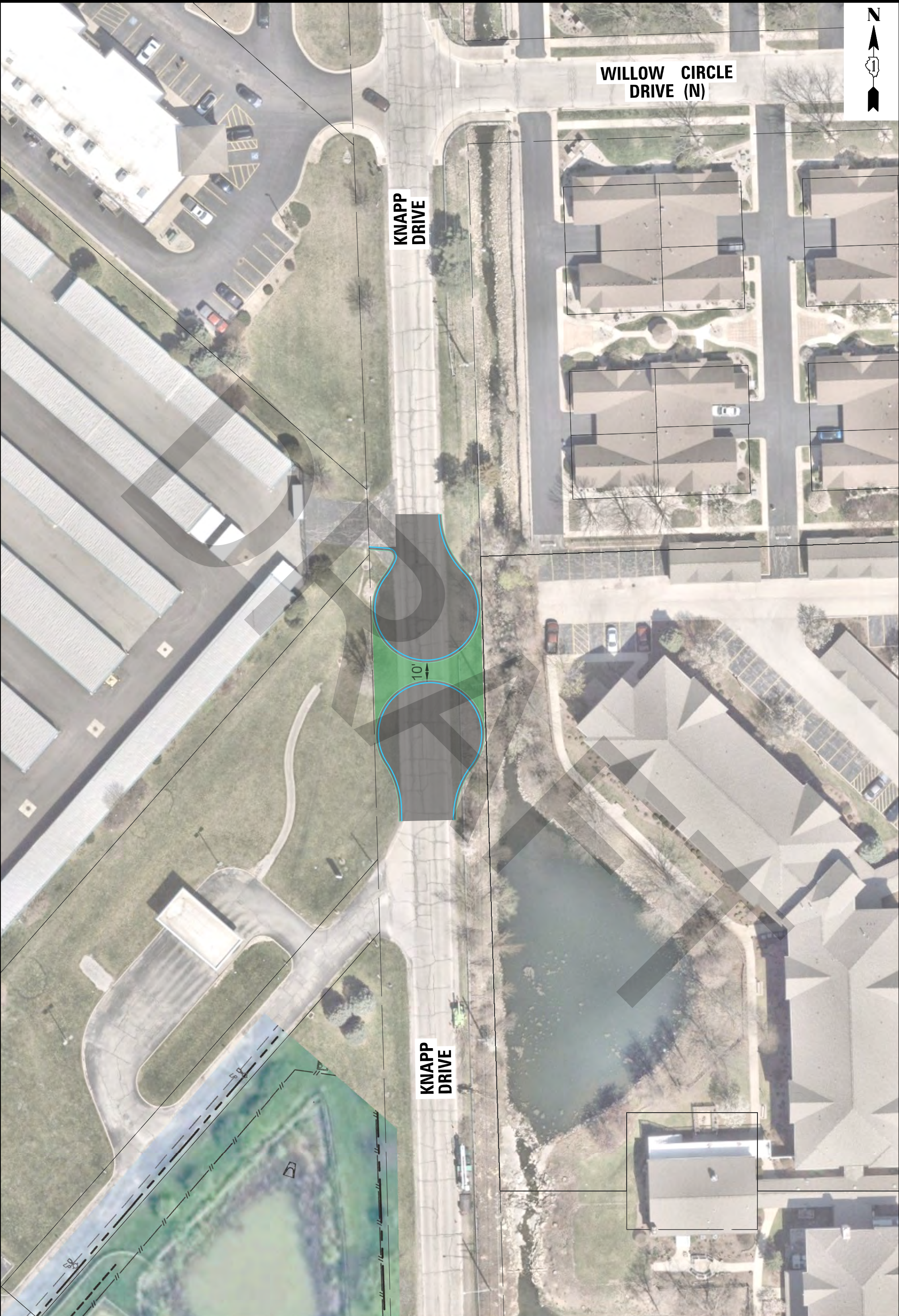


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**OVERALL CONCEPTUAL GEOMETRY ALTERNATIVE 7**  
**KNAPP DRIVE FROM THEODORE STREET**  
**TO LARKIN AVENUE / WEBER ROAD**

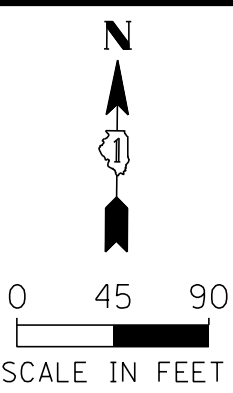
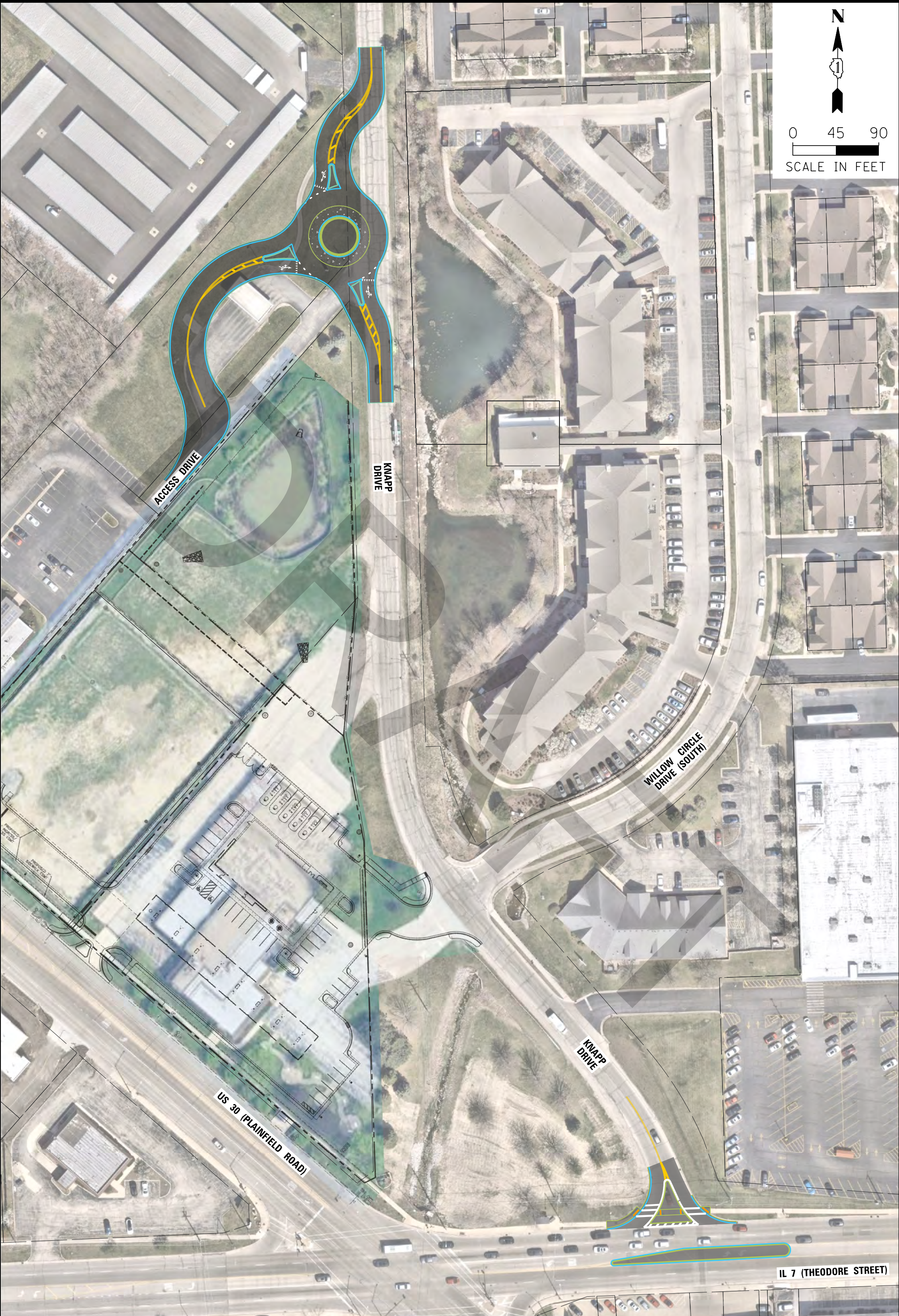
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| CHECKED | EAJ       | EXHIBIT NO. |
| SCALE:  | 1"= 80'   | <b>17</b>   |
| DATE:   | 1/23/2026 |             |





|                                                                                    |                                                                                                                                     |  |  |         |           |             |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--|--|---------|-----------|-------------|
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|                                                                                    | <b>CONCEPTUAL GEOMETRY ALTERNATIVE 7</b><br><b>KNAPP DRIVE FROM THEODORE STREET</b><br><b>TO LARKIN AVENUE / WEBER ROAD</b>         |  |  | DRAWN   | FPB       | 250180      |
|                                                                                    |                                                                                                                                     |  |  | CHECKED | EAJ       | EXHIBIT NO. |
|                                                                                    |                                                                                                                                     |  |  | SCALE:  | 1"= 50'   | <b>17-a</b> |
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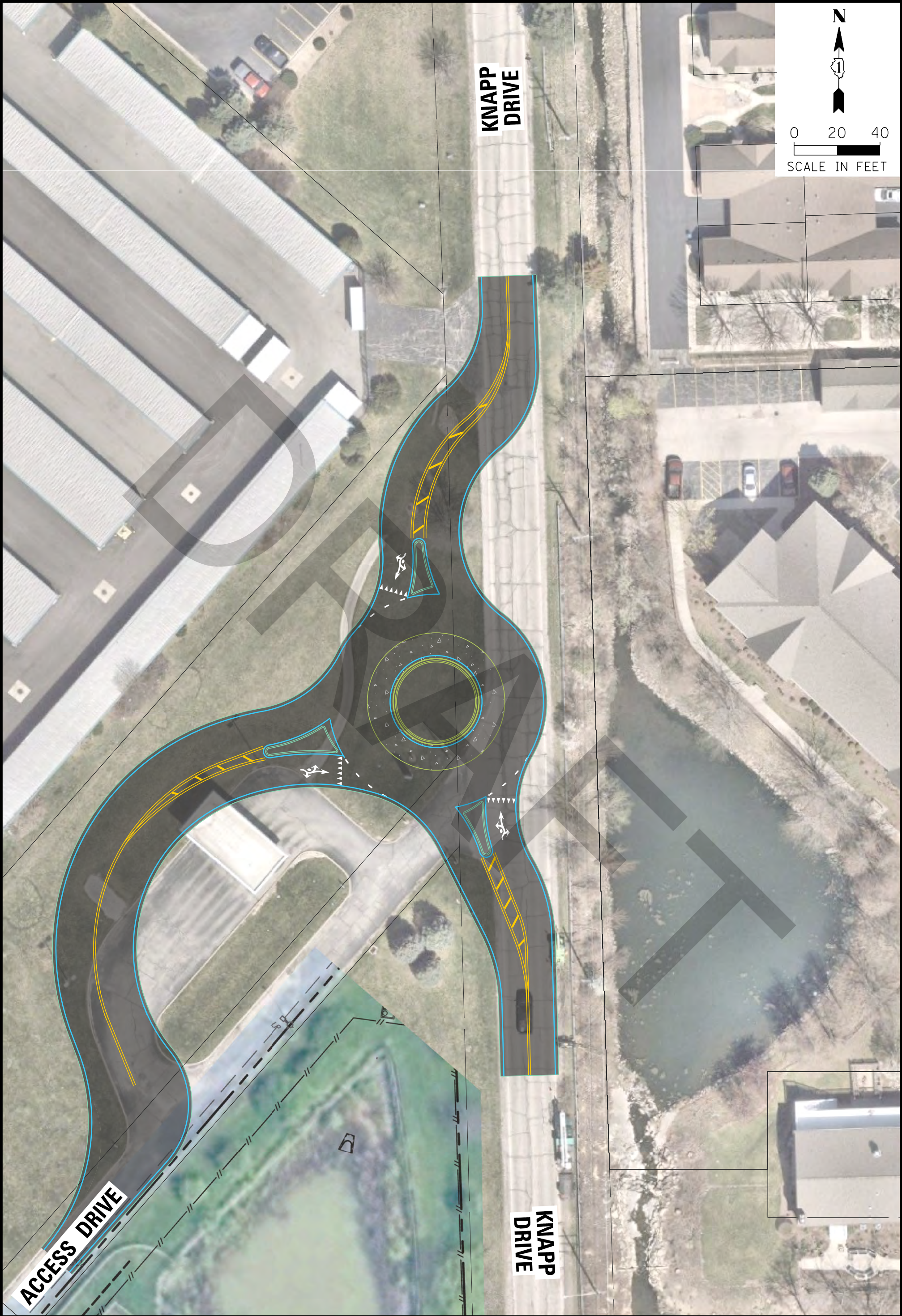


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**OVERALL CONCEPTUAL GEOMETRY ALTERNATIVE 8**  
**KNAPP DRIVE FROM THEODORE STREET**  
**TO LARKIN AVENUE / WEBER ROAD**

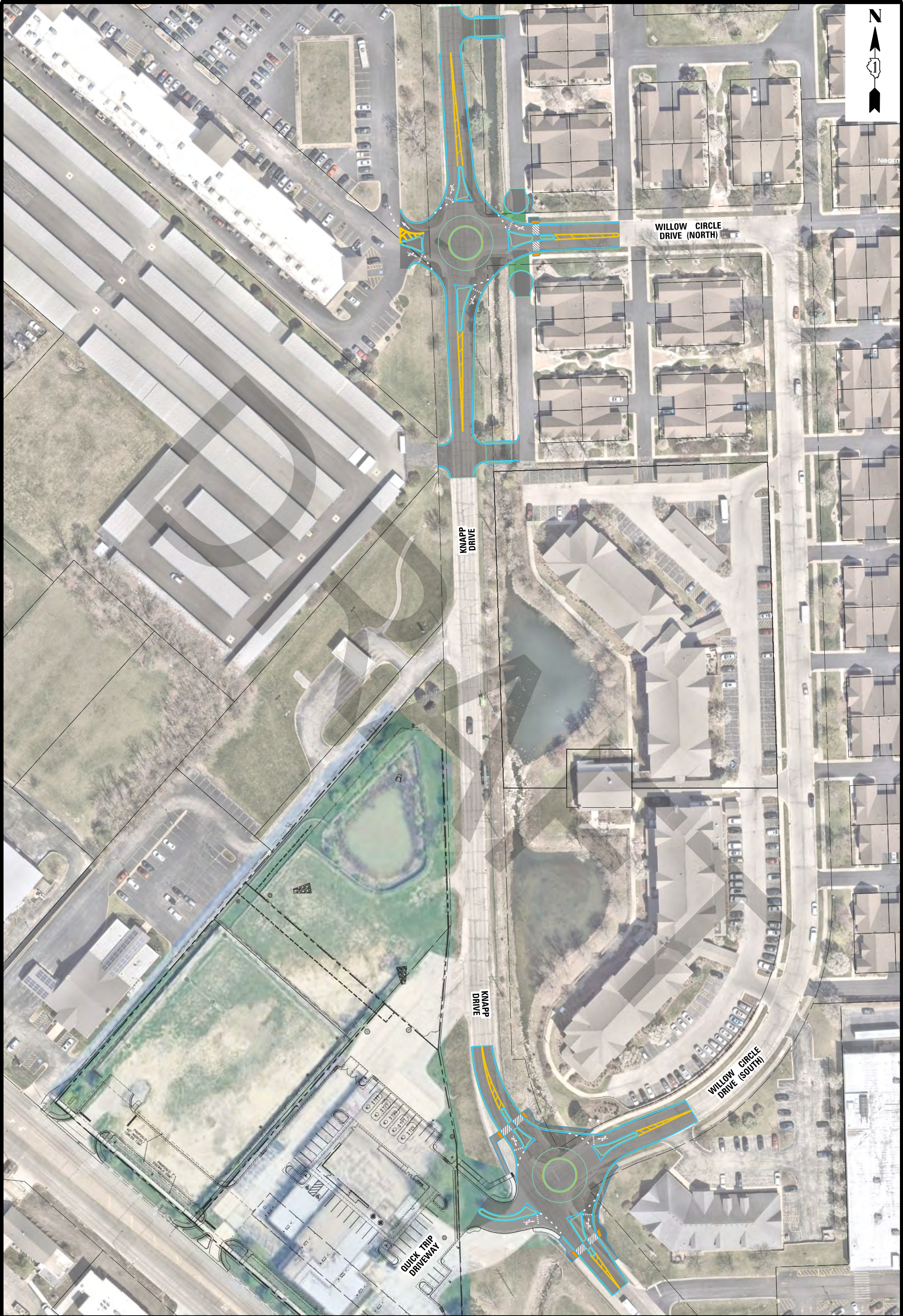
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| DATE:   | 1/23/2026 |             |





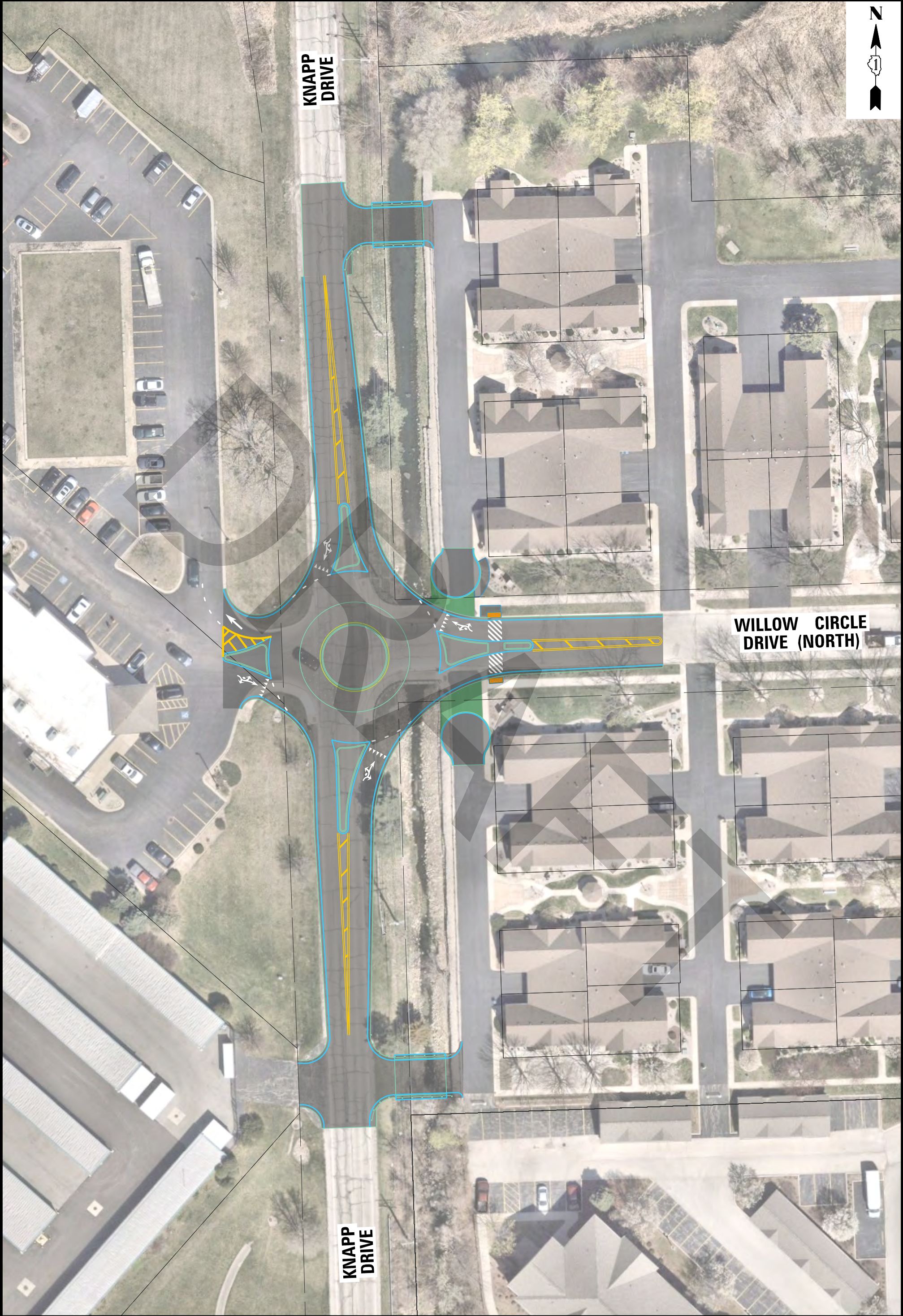
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|  | <b>CHRISTOPHER B. BURKE</b><br>ENGINEERING, LTD.<br>9575 West Higgins Road<br>Suite 600, Rosemont, Illinois 60018<br>(847) 823-0500 | <b>OVERALL CONCEPTUAL GEOMETRY ALTERNATIVE 8</b><br><b>KNAPP DRIVE FROM THEODORE STREET</b><br><b>TO LARKIN AVENUE / WEBER ROAD</b> | DESIGN    | PS                         | PROJECT NO.<br>250180 |
|                                                                                    | DRAWN                                                                                                                               |                                                                                                                                     | FPB       | EXHIBIT NO.<br><b>18-a</b> |                       |
|                                                                                    | CHECKED                                                                                                                             |                                                                                                                                     | EAJ       |                            |                       |
|                                                                                    | SCALE:                                                                                                                              |                                                                                                                                     | 1"= 40'   |                            |                       |
|                                                                                    | DATE:                                                                                                                               |                                                                                                                                     | 1/23/2026 |                            |                       |





|                                                                                                                                                                                                                        |         |           |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|-------------|
|  <b>CHRISTOPHER B. BURKE</b><br>ENGINEERING, LTD.<br>9575 West Higgins Road<br>Suite 600, Rosemont, Illinois 60018<br>(847) 823-0500 | DESIGN  | PS        | PROJECT NO. |
|                                                                                                                                                                                                                        | DRAWN   | FPB       | 250180      |
|                                                                                                                                                                                                                        | CHECKED | EAJ       | EXHIBIT NO. |
|                                                                                                                                                                                                                        | SCALE:  | 1"= 100'  | <b>19</b>   |
|                                                                                                                                                                                                                        | DATE:   | 1/23/2026 |             |





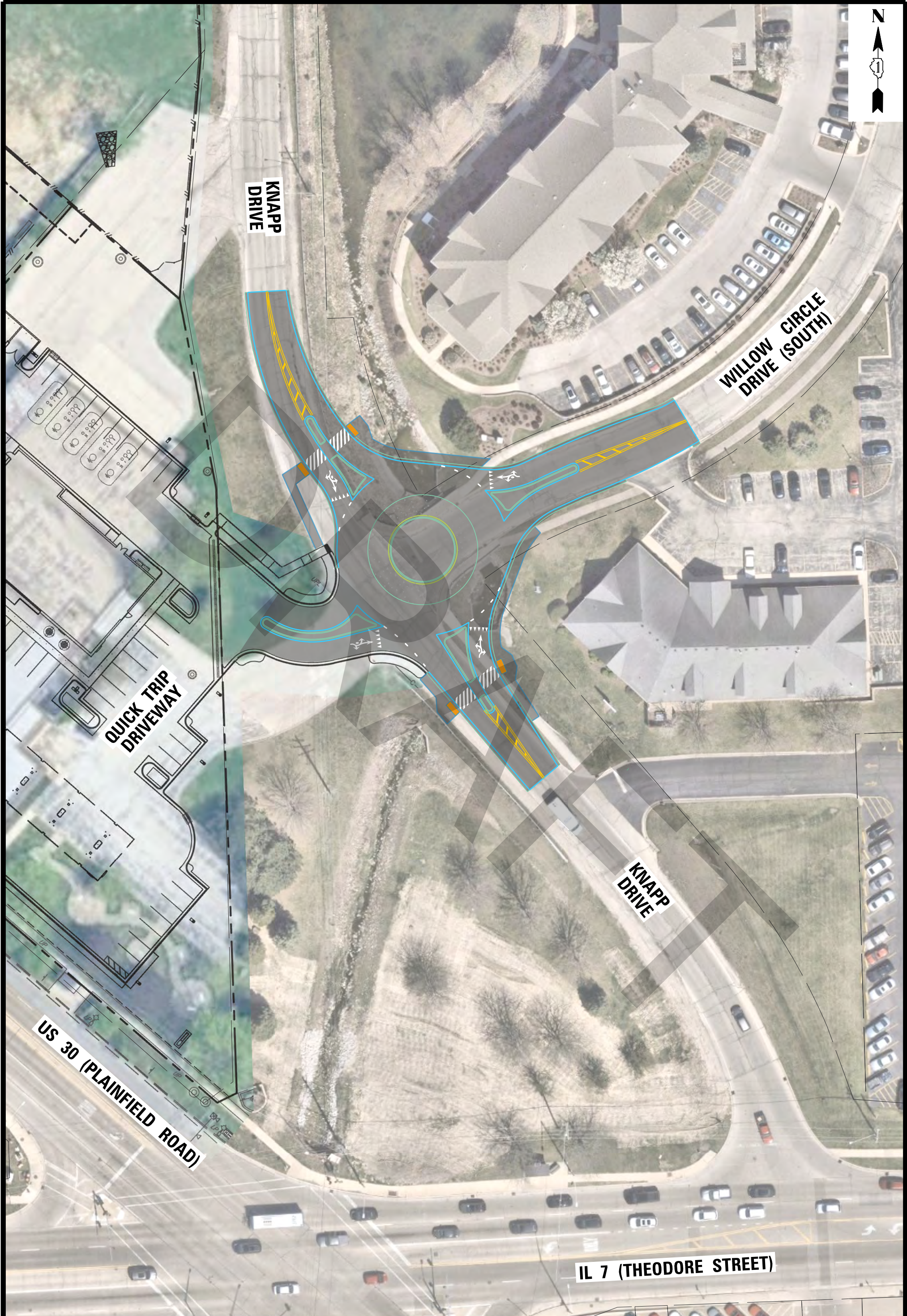


**CHRISTOPHER B. BURKE**  
ENGINEERING, LTD.  
9575 West Higgins Road  
Suite 600, Rosemont, Illinois 60018  
(847) 823-0500

**CONCEPTUAL GEOMETRY ALTERNATIVE 9**  
**KNAPP DRIVE FROM THEODORE STREET**  
**TO LARKIN AVENUE / WEBER ROAD**

|         |           |             |
|---------|-----------|-------------|
| DESIGN  | PS        | PROJECT NO. |
| DRAWN   | FPB       | 250180      |
| CHECKED | EAJ       | EXHIBIT NO. |
| SCALE:  | 1"= 50'   | <b>19-a</b> |
| DATE:   | 1/23/2026 |             |





|                                                                                    |                                                                                                                                     |  |                                                                                                                             |  |         |           |             |        |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------|--|---------|-----------|-------------|--------|
|  | <b>CHRISTOPHER B. BURKE</b><br>ENGINEERING, LTD.<br>9575 West Higgins Road<br>Suite 600, Rosemont, Illinois 60018<br>(847) 823-0500 |  | <b>CONCEPTUAL GEOMETRY ALTERNATIVE 9</b><br><b>KNAPP DRIVE FROM THEODORE STREET</b><br><b>TO LARKIN AVENUE / WEBER ROAD</b> |  | DESIGN  | PS        | PROJECT NO. | 250180 |
|                                                                                    |                                                                                                                                     |  |                                                                                                                             |  | DRAWN   | FPB       |             |        |
|                                                                                    |                                                                                                                                     |  |                                                                                                                             |  | CHECKED | EAJ       | EXHIBIT NO. |        |
|                                                                                    |                                                                                                                                     |  |                                                                                                                             |  | SCALE:  | 1"= 50'   | <b>19-b</b> |        |
|                                                                                    |                                                                                                                                     |  |                                                                                                                             |  | DATE:   | 1/23/2026 |             |        |



**Appendix 2**  
**(Speed Table by Traffic Logix, Speed Study)**



**CHRISTOPHER B. BURKE** ENGINEERING, LTD.

9575 W Higgins Road, Suite 600 Rosemont, Illinois 60018-4920 Tel (847) 823-0500 Fax (847) 823-0520



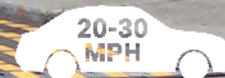


## Rubber Speed Tables

IDEAL FOR



REDUCE  
SPEEDS TO



Speed tables are flat-topped speed humps, long enough to allow an entire vehicle wheelbase to rest on top. The flat top design slows vehicles more gradually than speed humps, allowing traffic to pass at speeds of 20-30 mph. Speed tables are an ideal solution for residential roads where the goal is to maintain traffic flow while reducing speeding.

14' Table Profile



### Features

The flat top of speed tables slows cars **less aggressively than speed humps** to 20-25 mph.

Traffic Logix speed cushions are constructed of patented interlocking units that **snap together like puzzle pieces**.

The 18" x 42" units that can be constructed to create speed cushions of **any width or length**.

Choice of **bright yellow or white highway tape** is embedded into each unit so that cushions are highly visible to drivers.

Customizable with choice of **squares and/or multiple chevron arrows or multiple MUTCD markings**.

Environmentally friendly tables are made of **100% recycled rubber**.

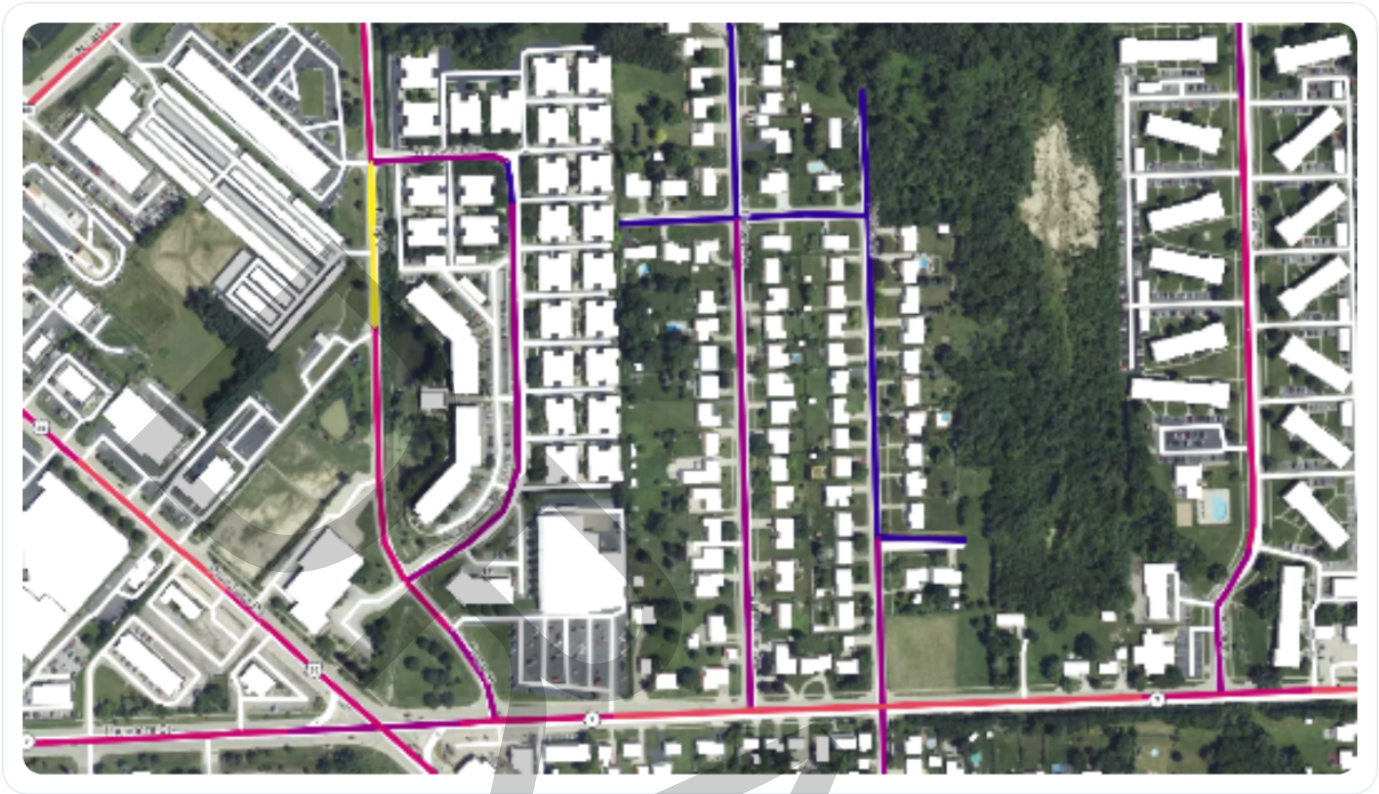
Speed tables can be **removed and reinstalled** for road resurfacing or snow.

Cost effective rubber tables are **long lasting and durable**, and do not require frequent replacements like asphalt ones do.

Rubber units are already molded to specifications for uniform installations and **better driver acceptance**.

**Quick and easy to install** without any road closures or skilled labor required.





Traffic Analysis Report

Knapp Dr (1249272614), Knapp Dr (1249277659)

Organization: **Crest Hill, IL**

This report analyzes Avg. Speed for Knapp Dr (1249272614), Knapp Dr (1249277659) during 2025-11. The data is aggregated and without specific hourly breakdowns, using direction 'Aggregated'.

|                    |                      |
|--------------------|----------------------|
| Road Segment ID    | Multiple Segment IDs |
| Location           | Will, Illinois       |
| Road Class         | 5                    |
| Length             | 0.08 miles           |
| Road Name          | Multiple Road Names  |
| Speed Limit        | 25 MPH               |
| Speed Limit Source | Default              |





Overview

This report analyzes Avg. Speed for Knapp Dr (1249272614), Knapp Dr (1249277659) during 2025-11. The data is aggregated and without specific hourly breakdowns, using direction 'Aggregated'.

Report Metrics

| SPEED LIMIT 25 MPH |  | / / DIFF |
|--------------------|--|----------|
| Average            |  | 32 / +7  |
| 50th               |  | 33 / +8  |
| 85th               |  | 37 / +12 |
| 95th               |  | 39 / +14 |





## Trends & Summary

The traffic data for Knapp Dr in Crest Hill, IL, during November 2025 reveals several noteworthy trends regarding average speeds across different days of the week and time periods.

### Average Speed Insights

The overall average speed recorded is approximately 32 MPH, which exceeds the posted speed limit of 25 MPH. This indicates a consistent trend of vehicles traveling above the speed limit, with the 50th percentile speed at 33 MPH and the 85th percentile speed at 37 MPH. The 95th percentile speed reaches 39 MPH, suggesting that a significant portion of drivers are exceeding safe operating speeds.

### Daily Patterns

Analyzing the average speeds by day of the week shows relatively stable patterns:

- **Weekdays (Monday to Friday):** Average speeds hover around 30 to 35 MPH, with slight variations. The highest average speed is observed on Wednesday (35 MPH), while Monday and Friday show slightly lower averages (30-31 MPH).
- **Weekends (Saturday and Sunday):** Speeds are slightly lower, averaging around 31-33 MPH. This suggests that traffic may be lighter during weekends, leading to reduced speeds.

### Time-Based Trends

The data is segmented into various periods throughout the day:

- **Overnight (Period 1):** Speeds are lower, averaging around 31 MPH.
- **Early Morning (Period 2):** Speeds increase slightly to 30-34 MPH.
- **AM Peak (Period 3):** Speeds peak at around 34-35 MPH, indicating increased traffic flow during morning commutes.
- **Midday and Early Afternoon (Periods 4 and 5):** Speeds stabilize around 32-33 MPH.
- **PM Peak (Period 6):** Speeds remain consistent, averaging around 32-33 MPH.
- **Evening (Period 7):** Speeds drop back to approximately 30-32 MPH.

### Conclusion

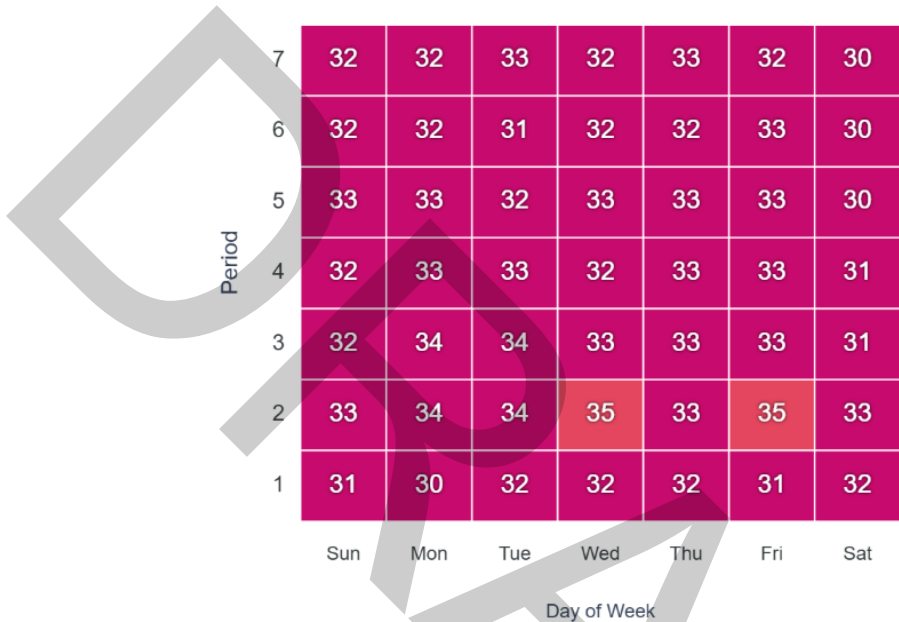
The data indicates a consistent trend of vehicles exceeding the speed limit on Knapp Dr, particularly during peak traffic hours. The average speeds are relatively stable throughout the week, with slight increases during weekdays compared to weekends. This information can be pivotal for future traffic management and planning initiatives aimed at improving safety and compliance with speed regulations.





Trends

Average Speed Breakdown



PERIOD LEGEND

- 1 Overnight: 12:00am-3:59am
- 2 Early Morning: 4:00am-6:59am
- 3 AM Peak: 7:00am-9:59am
- 4 Midday: 10:00am-12:59pm
- 5 Early Afternoon: 1:00pm-3:59pm
- 6 PM Peak: 4:00pm-6:59pm
- 7 Evening: 7:00pm-11:59pm



**Appendix 3**  
**(Turning Movement Counts)**



**CHRISTOPHER B. BURKE** ENGINEERING, LTD.

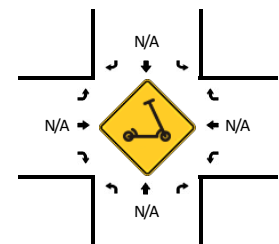
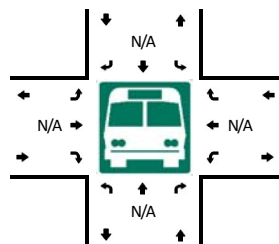
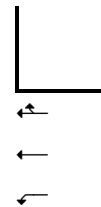
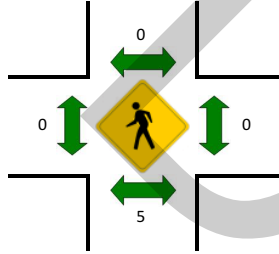
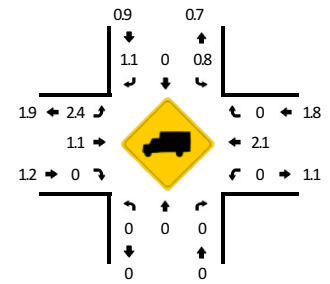
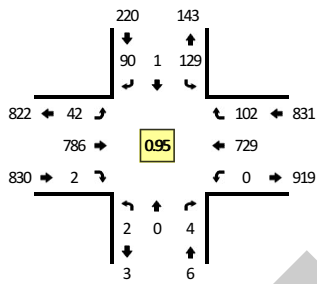
9575 W Higgins Road, Suite 600 Rosemont, Illinois 60018-4920 Tel (847) 823-0500 Fax (847) 823-0520



**LOCATION:** Knapp Dr -- Theodore St  
**CITY/STATE:** Crest Hill, IL

**QC JOB #:** 17095004  
**DATE:** Wed, Jun 25 2025

**Peak-Hour: 4:00 PM -- 5:00 PM**  
**Peak 15-Min: 4:15 PM -- 4:30 PM**



| 15-Min Count<br>Period<br>Beginning At | Knapp Dr<br>(Northbound) |      |       |   | Knapp Dr<br>(Southbound) |      |       |   | Theodore St<br>(Eastbound) |      |       |   | Theodore St<br>(Westbound) |      |       |   | Total | Hourly<br>Totals |
|----------------------------------------|--------------------------|------|-------|---|--------------------------|------|-------|---|----------------------------|------|-------|---|----------------------------|------|-------|---|-------|------------------|
|                                        | Left                     | Thru | Right | U | Left                     | Thru | Right | U | Left                       | Thru | Right | U | Left                       | Thru | Right | U |       |                  |
| 7:00 AM                                | 0                        | 0    | 0     | 0 | 8                        | 0    | 7     | 0 | 12                         | 68   | 0     | 0 | 0                          | 86   | 18    | 0 | 199   |                  |
| 7:15 AM                                | 0                        | 0    | 0     | 0 | 10                       | 0    | 8     | 0 | 6                          | 65   | 0     | 0 | 0                          | 120  | 27    | 0 | 236   |                  |
| 7:30 AM                                | 0                        | 0    | 0     | 0 | 17                       | 0    | 8     | 0 | 11                         | 76   | 0     | 0 | 0                          | 113  | 32    | 0 | 257   |                  |
| 7:45 AM                                | 0                        | 0    | 0     | 0 | 7                        | 0    | 13    | 0 | 10                         | 73   | 2     | 0 | 0                          | 132  | 36    | 0 | 273   | 965              |
| 8:00 AM                                | 0                        | 1    | 0     | 0 | 8                        | 1    | 12    | 0 | 6                          | 68   | 5     | 0 | 0                          | 111  | 28    | 0 | 240   | 1006             |
| 8:15 AM                                | 1                        | 0    | 0     | 0 | 14                       | 1    | 7     | 0 | 8                          | 82   | 1     | 0 | 1                          | 111  | 26    | 0 | 252   | 1022             |
| 8:30 AM                                | 0                        | 0    | 0     | 0 | 8                        | 0    | 14    | 0 | 11                         | 75   | 1     | 0 | 0                          | 138  | 34    | 0 | 281   | 1046             |
| 8:45 AM                                | 0                        | 0    | 0     | 0 | 14                       | 0    | 8     | 0 | 7                          | 99   | 0     | 0 | 0                          | 130  | 19    | 0 | 277   | 1050             |
| 9:00 AM                                | 0                        | 0    | 0     | 0 | 1                        | 0    | 12    | 0 | 6                          | 81   | 1     | 0 | 1                          | 101  | 17    | 0 | 220   | 1030             |
| 9:15 AM                                | 1                        | 0    | 0     | 0 | 12                       | 0    | 10    | 0 | 10                         | 73   | 1     | 0 | 0                          | 137  | 35    | 0 | 279   | 1057             |
| 9:30 AM                                | 0                        | 0    | 0     | 0 | 6                        | 0    | 16    | 0 | 11                         | 85   | 0     | 0 | 0                          | 129  | 22    | 0 | 269   | 1045             |
| 9:45 AM                                | 0                        | 0    | 0     | 0 | 11                       | 0    | 23    | 0 | 15                         | 93   | 2     | 1 | 0                          | 106  | 28    | 0 | 279   | 1047             |
| 10:00 AM                               | 0                        | 0    | 0     | 0 | 14                       | 1    | 11    | 0 | 10                         | 108  | 1     | 0 | 0                          | 93   | 24    | 0 | 262   | 1089             |
| 10:15 AM                               | 1                        | 0    | 1     | 0 | 16                       | 0    | 10    | 0 | 12                         | 113  | 1     | 0 | 0                          | 116  | 18    | 0 | 288   | 1098             |
| 10:30 AM                               | 0                        | 0    | 0     | 0 | 7                        | 0    | 18    | 0 | 10                         | 122  | 1     | 0 | 0                          | 155  | 12    | 0 | 325   | 1154             |
| 10:45 AM                               | 1                        | 0    | 2     | 0 | 13                       | 0    | 21    | 0 | 7                          | 134  | 1     | 0 | 0                          | 119  | 18    | 0 | 316   | 1191             |
| 11:00 AM                               | 0                        | 1    | 1     | 0 | 13                       | 0    | 26    | 0 | 12                         | 111  | 0     | 0 | 0                          | 114  | 26    | 0 | 304   | 1233             |
| 11:15 AM                               | 0                        | 0    | 0     | 0 | 15                       | 0    | 18    | 0 | 10                         | 112  | 0     | 0 | 1                          | 125  | 24    | 0 | 305   | 1250             |
| 11:30 AM                               | 1                        | 0    | 0     | 0 | 13                       | 0    | 20    | 0 | 9                          | 123  | 1     | 0 | 0                          | 142  | 20    | 0 | 329   | 1254             |
| 11:45 AM                               | 2                        | 0    | 0     | 0 | 20                       | 0    | 15    | 0 | 12                         | 148  | 0     | 0 | 0                          | 138  | 32    | 0 | 367   | 1305             |
| 12:00 PM                               | 3                        | 1    | 2     | 0 | 10                       | 0    | 20    | 0 | 8                          | 145  | 0     | 0 | 1                          | 166  | 28    | 0 | 384   | 1385             |
| 12:15 PM                               | 0                        | 0    | 0     | 0 | 13                       | 0    | 29    | 0 | 17                         | 143  | 2     | 0 | 2                          | 138  | 29    | 0 | 373   | 1453             |
| 12:30 PM                               | 0                        | 0    | 1     | 0 | 9                        | 1    | 19    | 0 | 15                         | 137  | 0     | 0 | 0                          | 147  | 27    | 0 | 356   | 1480             |
| 12:45 PM                               | 0                        | 0    | 0     | 0 | 21                       | 0    | 21    | 0 | 9                          | 126  | 1     | 0 | 2                          | 121  | 23    | 0 | 324   | 1437             |
| 1:00 PM                                | 0                        | 0    | 0     | 0 | 23                       | 0    | 18    | 0 | 16                         | 148  | 0     | 0 | 0                          | 118  | 18    | 0 | 341   | 1394             |
| 1:15 PM                                | 0                        | 0    | 0     | 0 | 21                       | 0    | 14    | 0 | 19                         | 168  | 2     | 0 | 0                          | 145  | 29    | 0 | 398   | 1419             |
| 1:30 PM                                | 1                        | 0    | 0     | 0 | 20                       | 0    | 21    | 0 | 16                         | 145  | 0     | 0 | 1                          | 146  | 39    | 0 | 389   | 1452             |
| 1:45 PM                                | 0                        | 0    | 0     | 0 | 20                       | 0    | 27    | 0 | 14                         | 114  | 0     | 0 | 0                          | 134  | 31    | 0 | 340   | 1468             |
| 2:00 PM                                | 1                        | 0    | 0     | 0 | 15                       | 0    | 26    | 0 | 17                         | 151  | 1     | 0 | 1                          | 151  | 25    | 0 | 388   | 1515             |
| 2:15 PM                                | 1                        | 0    | 1     | 0 | 26                       | 0    | 17    | 0 | 10                         | 125  | 0     | 0 | 0                          | 136  | 28    | 0 | 344   | 1461             |
| 2:30 PM                                | 1                        | 0    | 0     | 0 | 26                       | 0    | 12    | 0 | 7                          | 157  | 0     | 0 | 1                          | 183  | 25    | 0 | 412   | 1484             |
| 2:45 PM                                | 1                        | 0    | 4     | 0 | 35                       | 0    | 18    | 0 | 10                         | 151  | 3     | 0 | 1                          | 160  | 18    | 0 | 401   | 1545             |
| 3:00 PM                                | 0                        | 0    | 1     | 0 | 25                       | 0    | 11    | 0 | 12                         | 186  | 0     | 0 | 0                          | 150  | 25    | 0 | 410   | 1567             |
| 3:15 PM                                | 1                        | 0    | 0     | 0 | 22                       | 0    | 22    | 0 | 12                         | 174  | 0     | 0 | 0                          | 145  | 27    | 0 | 403   | 1626             |
| 3:30 PM                                | 0                        | 0    | 3     | 0 | 30                       | 0    | 22    | 0 | 13                         | 192  | 1     | 0 | 0                          | 145  | 33    | 0 | 439   | 1653             |
| 3:45 PM                                | 0                        | 0    | 0     | 0 | 36                       | 0    | 16    | 0 | 12                         | 182  | 0     | 0 | 0                          | 163  | 34    | 0 | 443   | 1695             |
| 4:00 PM                                | 1                        | 0    | 1     | 0 | 29                       | 0    | 21    | 0 | 8                          | 200  | 1     | 0 | 0                          | 192  | 19    | 0 | 472   | 1757             |
| 4:15 PM                                | 0                        | 0    | 1     | 0 | 36                       | 0    | 22    | 0 | 12                         | 229  | 1     | 0 | 0                          | 171  | 23    | 0 | 495   | 1849             |



| 15-Min Count<br>Period<br>Beginning At | Knapp Dr<br>(Northbound) |      |       |   | Knapp Dr<br>(Southbound) |      |       |   | Theodore St<br>(Eastbound) |      |       |   | Theodore St<br>(Westbound) |      |       |   | Total | Hourly<br>Totals |
|----------------------------------------|--------------------------|------|-------|---|--------------------------|------|-------|---|----------------------------|------|-------|---|----------------------------|------|-------|---|-------|------------------|
|                                        | Left                     | Thru | Right | U | Left                     | Thru | Right | U | Left                       | Thru | Right | U | Left                       | Thru | Right | U |       |                  |
| 4:30 PM                                | 0                        | 0    | 1     | 0 | 38                       | 0    | 23    | 0 | 11                         | 181  | 0     | 0 | 0                          | 187  | 31    | 0 | 472   | 1882             |
| 4:45 PM                                | 1                        | 0    | 1     | 0 | 26                       | 1    | 24    | 0 | 10                         | 176  | 0     | 1 | 0                          | 179  | 29    | 0 | 448   | 1887             |
| 5:00 PM                                | 7                        | 2    | 2     | 0 | 33                       | 0    | 15    | 0 | 3                          | 183  | 3     | 0 | 0                          | 183  | 19    | 0 | 450   | 1865             |
| 5:15 PM                                | 1                        | 0    | 0     | 0 | 33                       | 0    | 25    | 0 | 12                         | 176  | 1     | 0 | 0                          | 178  | 21    | 0 | 447   | 1817             |
| 5:30 PM                                | 1                        | 0    | 0     | 0 | 19                       | 0    | 17    | 0 | 8                          | 183  | 0     | 0 | 0                          | 180  | 19    | 0 | 427   | 1772             |
| 5:45 PM                                | 1                        | 0    | 1     | 0 | 31                       | 0    | 20    | 0 | 9                          | 165  | 1     | 0 | 0                          | 167  | 26    | 0 | 421   | 1745             |
| 6:00 PM                                | 0                        | 0    | 0     | 0 | 22                       | 0    | 17    | 0 | 10                         | 180  | 0     | 0 | 0                          | 142  | 20    | 0 | 391   | 1686             |
| 6:15 PM                                | 0                        | 0    | 0     | 0 | 28                       | 0    | 18    | 0 | 13                         | 169  | 0     | 1 | 0                          | 139  | 32    | 0 | 400   | 1639             |
| 6:30 PM                                | 0                        | 0    | 0     | 0 | 28                       | 0    | 13    | 0 | 8                          | 165  | 0     | 0 | 0                          | 145  | 16    | 0 | 375   | 1587             |
| 6:45 PM                                | 0                        | 0    | 0     | 0 | 21                       | 0    | 12    | 0 | 6                          | 143  | 0     | 0 | 0                          | 135  | 13    | 0 | 330   | 1496             |
| Peak 15-Min<br>Flowrates               | Northbound               |      |       |   | Southbound               |      |       |   | Eastbound                  |      |       |   | Westbound                  |      |       |   | Total |                  |
|                                        | Left                     | Thru | Right | U | Left                     | Thru | Right | U | Left                       | Thru | Right | U | Left                       | Thru | Right | U |       |                  |
| All Vehicles                           | 0                        | 0    | 4     | 0 | 144                      | 0    | 88    | 0 | 48                         | 916  | 4     | 0 | 0                          | 684  | 92    | 0 | 1980  |                  |
| Heavy Trucks                           | 0                        | 0    | 0     |   | 0                        | 0    | 0     |   | 4                          | 4    | 0     |   | 0                          | 16   | 0     |   | 24    |                  |
| Buses                                  |                          |      |       |   |                          |      |       |   |                            |      |       |   |                            |      |       |   |       |                  |
| Pedestrians                            |                          | 0    |       |   |                          | 0    |       |   |                            | 0    |       |   |                            | 0    |       |   | 0     |                  |
| Bicycles                               | 0                        | 0    | 0     |   | 0                        | 0    | 0     |   | 0                          | 0    | 0     |   | 0                          | 4    | 0     |   | 4     |                  |
| Scooters                               |                          |      |       |   |                          |      |       |   |                            |      |       |   |                            |      |       |   |       |                  |
| <i>Comments:</i>                       |                          |      |       |   |                          |      |       |   |                            |      |       |   |                            |      |       |   |       |                  |

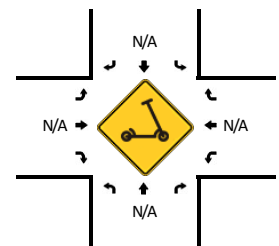
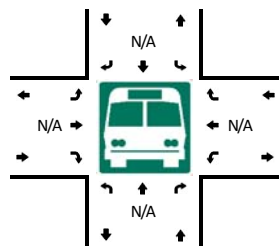
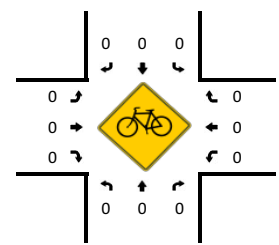
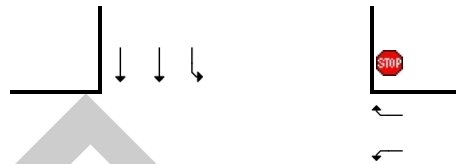
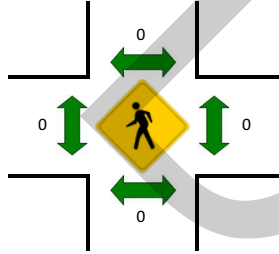
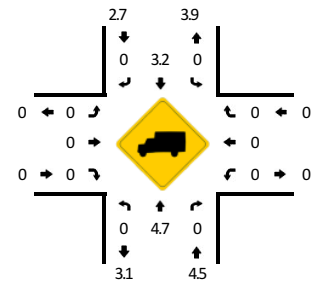
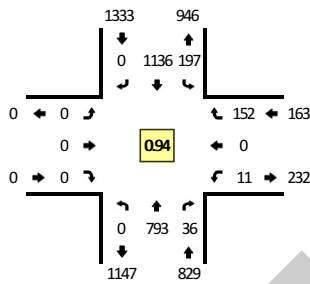
Report generated on 7/11/2025 2:06 PM

SOURCE: Quality Counts, LLC (<http://www.qualitycounts.net>) 1-877-580-2212



**LOCATION:** Larkin Ave -- Knapp Dr**CITY/STATE:** Crest Hill, IL**QC JOB #:** 17095007**DATE:** Wed, Jun 25 2025

Peak-Hour: 3:30 PM -- 4:30 PM  
Peak 15-Min: 3:30 PM -- 3:45 PM



| 15-Min Count Period Beginning At | Larkin Ave (Northbound) |      |       |   | Larkin Ave (Southbound) |      |       |   | Knapp Dr (Eastbound) |      |       |   | Knapp Dr (Westbound) |      |       |   | Total | Hourly Totals |
|----------------------------------|-------------------------|------|-------|---|-------------------------|------|-------|---|----------------------|------|-------|---|----------------------|------|-------|---|-------|---------------|
|                                  | Left                    | Thru | Right | U | Left                    | Thru | Right | U | Left                 | Thru | Right | U | Left                 | Thru | Right | U |       |               |
| 7:00 AM                          | 0                       | 129  | 1     | 0 | 13                      | 124  | 0     | 0 | 0                    | 0    | 0     | 0 | 1                    | 0    | 30    | 0 | 298   |               |
| 7:15 AM                          | 0                       | 162  | 3     | 0 | 13                      | 130  | 0     | 0 | 0                    | 0    | 0     | 0 | 0                    | 0    | 31    | 0 | 339   |               |
| 7:30 AM                          | 0                       | 188  | 4     | 0 | 22                      | 148  | 0     | 0 | 0                    | 0    | 0     | 0 | 2                    | 0    | 39    | 0 | 403   |               |
| 7:45 AM                          | 0                       | 163  | 4     | 0 | 15                      | 161  | 0     | 0 | 0                    | 0    | 0     | 0 | 0                    | 0    | 37    | 0 | 380   | 1420          |
| 8:00 AM                          | 0                       | 170  | 0     | 0 | 20                      | 169  | 0     | 0 | 0                    | 0    | 0     | 0 | 1                    | 0    | 31    | 0 | 391   | 1513          |
| 8:15 AM                          | 0                       | 159  | 4     | 0 | 20                      | 165  | 0     | 0 | 0                    | 0    | 0     | 0 | 2                    | 0    | 31    | 0 | 381   | 1555          |
| 8:30 AM                          | 0                       | 138  | 4     | 0 | 19                      | 133  | 0     | 0 | 0                    | 0    | 0     | 0 | 1                    | 0    | 39    | 0 | 334   | 1486          |
| 8:45 AM                          | 0                       | 140  | 1     | 0 | 18                      | 169  | 0     | 0 | 0                    | 0    | 0     | 0 | 1                    | 0    | 20    | 0 | 349   | 1455          |
| 9:00 AM                          | 0                       | 145  | 3     | 0 | 15                      | 151  | 0     | 0 | 0                    | 0    | 0     | 0 | 0                    | 0    | 14    | 0 | 328   | 1392          |
| 9:15 AM                          | 0                       | 138  | 4     | 0 | 21                      | 187  | 0     | 0 | 0                    | 0    | 0     | 0 | 2                    | 0    | 33    | 0 | 385   | 1396          |
| 9:30 AM                          | 0                       | 142  | 4     | 0 | 24                      | 126  | 0     | 2 | 0                    | 0    | 0     | 0 | 3                    | 0    | 20    | 0 | 321   | 1383          |
| 9:45 AM                          | 0                       | 141  | 11    | 0 | 26                      | 148  | 0     | 0 | 0                    | 0    | 0     | 0 | 3                    | 0    | 31    | 0 | 360   | 1394          |
| 10:00 AM                         | 0                       | 150  | 3     | 0 | 17                      | 138  | 0     | 0 | 0                    | 0    | 0     | 0 | 3                    | 0    | 27    | 0 | 338   | 1404          |
| 10:15 AM                         | 0                       | 152  | 8     | 0 | 20                      | 149  | 0     | 0 | 0                    | 0    | 0     | 0 | 2                    | 0    | 29    | 0 | 360   | 1379          |
| 10:30 AM                         | 0                       | 149  | 3     | 0 | 21                      | 134  | 0     | 0 | 0                    | 0    | 0     | 0 | 3                    | 0    | 20    | 0 | 330   | 1388          |
| 10:45 AM                         | 0                       | 153  | 10    | 0 | 21                      | 161  | 0     | 0 | 0                    | 0    | 0     | 0 | 3                    | 0    | 23    | 0 | 371   | 1399          |
| 11:00 AM                         | 0                       | 141  | 12    | 0 | 32                      | 150  | 0     | 0 | 0                    | 0    | 0     | 0 | 5                    | 0    | 31    | 0 | 371   | 1432          |
| 11:15 AM                         | 0                       | 152  | 9     | 0 | 17                      | 180  | 0     | 0 | 0                    | 0    | 0     | 0 | 1                    | 0    | 30    | 0 | 389   | 1461          |
| 11:30 AM                         | 0                       | 180  | 9     | 0 | 16                      | 161  | 0     | 0 | 0                    | 0    | 0     | 0 | 8                    | 0    | 25    | 0 | 399   | 1530          |
| 11:45 AM                         | 0                       | 184  | 9     | 0 | 30                      | 174  | 0     | 0 | 0                    | 0    | 0     | 0 | 2                    | 0    | 42    | 1 | 442   | 1601          |
| 12:00 PM                         | 0                       | 169  | 8     | 0 | 22                      | 158  | 0     | 0 | 0                    | 0    | 0     | 0 | 7                    | 0    | 37    | 0 | 401   | 1631          |
| 12:15 PM                         | 0                       | 180  | 7     | 0 | 25                      | 171  | 0     | 0 | 0                    | 0    | 0     | 0 | 5                    | 0    | 42    | 0 | 430   | 1672          |
| 12:30 PM                         | 0                       | 163  | 5     | 0 | 17                      | 163  | 0     | 0 | 0                    | 0    | 0     | 0 | 5                    | 0    | 39    | 0 | 392   | 1665          |
| 12:45 PM                         | 0                       | 184  | 11    | 0 | 20                      | 155  | 0     | 0 | 0                    | 0    | 0     | 0 | 4                    | 0    | 22    | 0 | 396   | 1619          |
| 1:00 PM                          | 0                       | 190  | 9     | 0 | 38                      | 201  | 0     | 0 | 0                    | 0    | 0     | 0 | 2                    | 0    | 23    | 0 | 463   | 1681          |
| 1:15 PM                          | 0                       | 184  | 12    | 0 | 29                      | 191  | 0     | 0 | 0                    | 0    | 0     | 0 | 9                    | 0    | 40    | 0 | 465   | 1716          |
| 1:30 PM                          | 0                       | 180  | 8     | 0 | 35                      | 217  | 0     | 0 | 0                    | 0    | 0     | 0 | 4                    | 0    | 42    | 0 | 486   | 1810          |
| 1:45 PM                          | 0                       | 174  | 8     | 0 | 32                      | 205  | 0     | 0 | 0                    | 0    | 0     | 0 | 2                    | 0    | 40    | 0 | 461   | 1875          |
| 2:00 PM                          | 0                       | 193  | 6     | 0 | 25                      | 177  | 0     | 0 | 0                    | 0    | 0     | 0 | 3                    | 0    | 42    | 0 | 446   | 1858          |
| 2:15 PM                          | 0                       | 206  | 6     | 0 | 35                      | 188  | 0     | 0 | 0                    | 0    | 0     | 0 | 3                    | 0    | 32    | 1 | 471   | 1864          |
| 2:30 PM                          | 0                       | 197  | 3     | 0 | 31                      | 188  | 0     | 0 | 0                    | 0    | 0     | 0 | 2                    | 0    | 35    | 0 | 456   | 1834          |
| 2:45 PM                          | 0                       | 188  | 8     | 0 | 46                      | 226  | 0     | 0 | 0                    | 0    | 0     | 0 | 4                    | 0    | 29    | 0 | 501   | 1874          |
| 3:00 PM                          | 0                       | 165  | 7     | 0 | 35                      | 225  | 0     | 0 | 0                    | 0    | 0     | 0 | 2                    | 0    | 36    | 0 | 470   | 1898          |
| 3:15 PM                          | 0                       | 183  | 5     | 0 | 30                      | 212  | 0     | 0 | 0                    | 0    | 0     | 0 | 3                    | 0    | 38    | 0 | 471   | 1898          |
| 3:30 PM                          | 0                       | 210  | 11    | 0 | 45                      | 304  | 0     | 0 | 0                    | 0    | 0     | 0 | 4                    | 0    | 46    | 0 | 620   | 2062          |
| 3:45 PM                          | 0                       | 184  | 7     | 0 | 47                      | 275  | 0     | 0 | 0                    | 0    | 0     | 0 | 2                    | 0    | 38    | 0 | 553   | 2114          |
| 4:00 PM                          | 0                       | 197  | 8     | 0 | 52                      | 273  | 0     | 0 | 0                    | 0    | 0     | 0 | 3                    | 0    | 28    | 0 | 561   | 2205          |
| 4:15 PM                          | 0                       | 202  | 10    | 0 | 52                      | 284  | 0     | 1 | 0                    | 0    | 0     | 0 | 2                    | 0    | 40    | 0 | 591   | 2325          |



| 15-Min Count<br>Period<br>Beginning At | Larkin Ave<br>(Northbound) |      |       |   | Larkin Ave<br>(Southbound) |      |       |   | Knapp Dr<br>(Eastbound) |      |       |   | Knapp Dr<br>(Westbound) |      |       |   | Total | Hourly<br>Totals |
|----------------------------------------|----------------------------|------|-------|---|----------------------------|------|-------|---|-------------------------|------|-------|---|-------------------------|------|-------|---|-------|------------------|
|                                        | Left                       | Thru | Right | U | Left                       | Thru | Right | U | Left                    | Thru | Right | U | Left                    | Thru | Right | U |       |                  |
| 4:30 PM                                | 0                          | 201  | 9     | 0 | 41                         | 257  | 0     | 0 | 0                       | 0    | 0     | 0 | 5                       | 0    | 35    | 0 | 548   | 2253             |
| 4:45 PM                                | 0                          | 182  | 6     | 0 | 44                         | 228  | 0     | 0 | 0                       | 0    | 0     | 0 | 4                       | 0    | 35    | 0 | 499   | 2199             |
| 5:00 PM                                | 0                          | 224  | 16    | 0 | 28                         | 265  | 0     | 0 | 0                       | 0    | 0     | 0 | 3                       | 0    | 31    | 0 | 567   | 2205             |
| 5:15 PM                                | 0                          | 189  | 12    | 0 | 42                         | 257  | 0     | 0 | 0                       | 0    | 0     | 0 | 2                       | 0    | 34    | 0 | 536   | 2150             |
| 5:30 PM                                | 0                          | 163  | 7     | 0 | 31                         | 240  | 0     | 0 | 0                       | 0    | 0     | 0 | 1                       | 0    | 22    | 0 | 464   | 2066             |
| 5:45 PM                                | 0                          | 163  | 9     | 0 | 31                         | 203  | 0     | 0 | 0                       | 0    | 0     | 0 | 3                       | 0    | 35    | 0 | 444   | 2011             |
| 6:00 PM                                | 0                          | 146  | 10    | 0 | 32                         | 193  | 0     | 1 | 0                       | 0    | 0     | 0 | 2                       | 0    | 30    | 0 | 414   | 1858             |
| 6:15 PM                                | 0                          | 130  | 8     | 0 | 31                         | 173  | 0     | 0 | 0                       | 0    | 0     | 0 | 2                       | 0    | 43    | 0 | 387   | 1709             |
| 6:30 PM                                | 0                          | 163  | 5     | 0 | 37                         | 174  | 0     | 0 | 0                       | 0    | 0     | 0 | 0                       | 0    | 22    | 0 | 401   | 1646             |
| 6:45 PM                                | 0                          | 119  | 9     | 0 | 26                         | 163  | 0     | 0 | 0                       | 0    | 0     | 0 | 3                       | 0    | 22    | 0 | 342   | 1544             |
| Peak 15-Min<br>Flowrates               | Northbound                 |      |       |   | Southbound                 |      |       |   | Eastbound               |      |       |   | Westbound               |      |       |   | Total |                  |
|                                        | Left                       | Thru | Right | U | Left                       | Thru | Right | U | Left                    | Thru | Right | U | Left                    | Thru | Right | U |       |                  |
| All Vehicles                           | 0                          | 840  | 44    | 0 | 180                        | 1216 | 0     | 0 | 0                       | 0    | 0     | 0 | 16                      | 0    | 184   | 0 | 2480  |                  |
| Heavy Trucks                           | 0                          | 32   | 0     |   | 0                          | 32   | 0     |   | 0                       | 0    | 0     |   | 0                       | 0    | 0     |   | 64    |                  |
| Buses                                  |                            |      |       |   |                            |      |       |   |                         |      |       |   |                         |      |       |   |       |                  |
| Pedestrians                            |                            | 0    |       |   |                            | 0    |       |   |                         | 0    |       |   |                         | 0    |       |   | 0     |                  |
| Bicycles                               | 0                          | 0    | 0     |   | 0                          | 0    | 0     |   | 0                       | 0    | 0     |   | 0                       | 0    | 0     |   | 0     |                  |
| Scooters                               |                            |      |       |   |                            |      |       |   |                         |      |       |   |                         |      |       |   |       |                  |
| <i>Comments:</i>                       |                            |      |       |   |                            |      |       |   |                         |      |       |   |                         |      |       |   |       |                  |

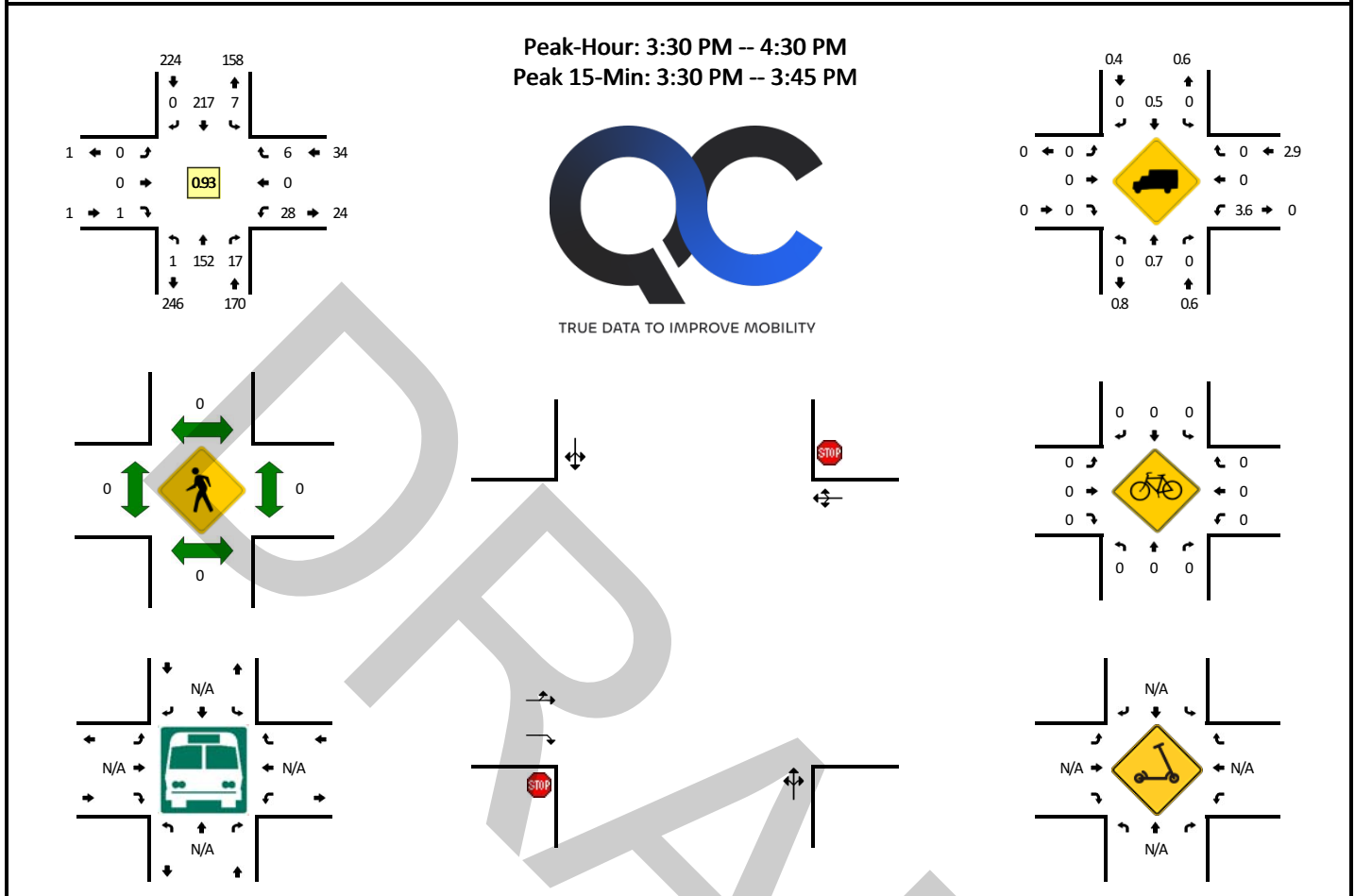
Report generated on 7/11/2025 2:06 PM

SOURCE: Quality Counts, LLC (<http://www.qualitycounts.net>) 1-877-580-2212



**LOCATION:** Knapp Dr -- Willow Cir Dr/Public Works Dwy  
**CITY/STATE:** Crest Hill, IL

**QC JOB #:** 17095005  
**DATE:** Wed, Jun 25 2025



| 15-Min Count Period Beginning At | Knapp Dr (Northbound) |      |       |   | Knapp Dr (Southbound) |      |       |   | Willow Cir Dr/Public Works Dwy (Eastbound) |      |       |   | Willow Cir Dr/Public Works Dwy (Westbound) |      |       |   | Total | Hourly Totals |
|----------------------------------|-----------------------|------|-------|---|-----------------------|------|-------|---|--------------------------------------------|------|-------|---|--------------------------------------------|------|-------|---|-------|---------------|
|                                  | Left                  | Thru | Right | U | Left                  | Thru | Right | U | Left                                       | Thru | Right | U | Left                                       | Thru | Right | U |       |               |
| 7:00 AM                          | 0                     | 27   | 3     | 0 | 0                     | 16   | 0     | 0 | 0                                          | 0    | 0     | 0 | 1                                          | 0    | 0     | 0 | 47    |               |
| 7:15 AM                          | 0                     | 30   | 2     | 0 | 0                     | 18   | 0     | 0 | 0                                          | 0    | 0     | 0 | 2                                          | 0    | 0     | 0 | 52    |               |
| 7:30 AM                          | 0                     | 41   | 3     | 0 | 1                     | 21   | 0     | 0 | 0                                          | 0    | 0     | 0 | 3                                          | 0    | 0     | 0 | 69    |               |
| 7:45 AM                          | 0                     | 42   | 4     | 0 | 0                     | 19   | 0     | 0 | 0                                          | 0    | 0     | 0 | 1                                          | 0    | 1     | 0 | 67    | 235           |
| 8:00 AM                          | 0                     | 35   | 2     | 0 | 0                     | 20   | 0     | 0 | 0                                          | 0    | 0     | 0 | 1                                          | 0    | 0     | 0 | 58    | 246           |
| 8:15 AM                          | 0                     | 27   | 6     | 0 | 1                     | 23   | 0     | 0 | 0                                          | 0    | 0     | 0 | 0                                          | 0    | 0     | 0 | 57    | 251           |
| 8:30 AM                          | 0                     | 37   | 8     | 0 | 0                     | 19   | 0     | 0 | 0                                          | 0    | 0     | 0 | 5                                          | 0    | 0     | 0 | 69    | 251           |
| 8:45 AM                          | 0                     | 25   | 3     | 0 | 0                     | 20   | 0     | 0 | 0                                          | 0    | 0     | 0 | 2                                          | 0    | 1     | 0 | 51    | 235           |
| 9:00 AM                          | 0                     | 18   | 5     | 0 | 2                     | 8    | 0     | 0 | 0                                          | 0    | 0     | 0 | 5                                          | 0    | 0     | 0 | 38    | 215           |
| 9:15 AM                          | 0                     | 39   | 6     | 0 | 1                     | 20   | 0     | 0 | 0                                          | 0    | 0     | 0 | 3                                          | 0    | 2     | 0 | 71    | 229           |
| 9:30 AM                          | 0                     | 24   | 7     | 0 | 0                     | 21   | 0     | 0 | 0                                          | 0    | 0     | 0 | 4                                          | 0    | 0     | 0 | 56    | 216           |
| 9:45 AM                          | 1                     | 37   | 8     | 0 | 4                     | 33   | 0     | 0 | 1                                          | 0    | 0     | 0 | 6                                          | 0    | 1     | 0 | 91    | 256           |
| 10:00 AM                         | 0                     | 28   | 7     | 0 | 1                     | 19   | 0     | 0 | 0                                          | 0    | 0     | 0 | 6                                          | 0    | 1     | 0 | 62    | 280           |
| 10:15 AM                         | 0                     | 25   | 7     | 0 | 1                     | 23   | 0     | 0 | 0                                          | 0    | 0     | 0 | 6                                          | 0    | 2     | 0 | 64    | 273           |
| 10:30 AM                         | 0                     | 20   | 5     | 0 | 0                     | 24   | 0     | 0 | 0                                          | 0    | 0     | 0 | 3                                          | 0    | 0     | 0 | 52    | 269           |
| 10:45 AM                         | 0                     | 29   | 2     | 0 | 2                     | 23   | 0     | 0 | 0                                          | 0    | 0     | 0 | 9                                          | 0    | 0     | 0 | 65    | 243           |
| 11:00 AM                         | 0                     | 34   | 5     | 0 | 0                     | 40   | 0     | 0 | 0                                          | 0    | 0     | 0 | 7                                          | 0    | 2     | 0 | 88    | 269           |
| 11:15 AM                         | 0                     | 28   | 7     | 0 | 0                     | 30   | 0     | 0 | 0                                          | 0    | 0     | 0 | 5                                          | 0    | 1     | 0 | 71    | 276           |
| 11:30 AM                         | 0                     | 29   | 3     | 0 | 2                     | 27   | 0     | 0 | 0                                          | 0    | 0     | 0 | 7                                          | 0    | 2     | 0 | 70    | 294           |
| 11:45 AM                         | 0                     | 42   | 4     | 0 | 1                     | 39   | 0     | 0 | 0                                          | 0    | 0     | 0 | 6                                          | 0    | 2     | 0 | 94    | 323           |
| 12:00 PM                         | 0                     | 38   | 4     | 0 | 1                     | 29   | 0     | 0 | 0                                          | 0    | 0     | 0 | 5                                          | 0    | 1     | 0 | 78    | 313           |
| 12:15 PM                         | 0                     | 40   | 7     | 0 | 2                     | 33   | 0     | 0 | 0                                          | 0    | 0     | 0 | 9                                          | 0    | 1     | 0 | 92    | 334           |
| 12:30 PM                         | 0                     | 43   | 4     | 0 | 2                     | 26   | 0     | 0 | 0                                          | 0    | 0     | 0 | 9                                          | 0    | 2     | 0 | 86    | 350           |
| 12:45 PM                         | 0                     | 27   | 6     | 0 | 1                     | 35   | 0     | 0 | 0                                          | 0    | 0     | 0 | 8                                          | 0    | 2     | 0 | 79    | 335           |
| 1:00 PM                          | 0                     | 29   | 5     | 0 | 2                     | 41   | 0     | 0 | 0                                          | 0    | 0     | 0 | 3                                          | 0    | 2     | 0 | 82    | 339           |
| 1:15 PM                          | 0                     | 41   | 9     | 0 | 1                     | 39   | 0     | 0 | 0                                          | 0    | 0     | 0 | 1                                          | 0    | 0     | 0 | 91    | 338           |
| 1:30 PM                          | 1                     | 51   | 5     | 0 | 1                     | 41   | 0     | 0 | 0                                          | 0    | 0     | 1 | 3                                          | 0    | 1     | 0 | 104   | 356           |
| 1:45 PM                          | 0                     | 37   | 10    | 0 | 1                     | 48   | 0     | 0 | 0                                          | 0    | 0     | 0 | 6                                          | 0    | 1     | 0 | 103   | 380           |
| 2:00 PM                          | 0                     | 35   | 10    | 0 | 1                     | 31   | 0     | 0 | 0                                          | 0    | 0     | 0 | 13                                         | 0    | 0     | 0 | 90    | 388           |
| 2:15 PM                          | 0                     | 40   | 2     | 0 | 2                     | 40   | 0     | 0 | 0                                          | 0    | 0     | 0 | 8                                          | 0    | 0     | 0 | 92    | 389           |
| 2:30 PM                          | 0                     | 33   | 4     | 0 | 0                     | 43   | 0     | 0 | 0                                          | 0    | 0     | 0 | 2                                          | 0    | 1     | 0 | 83    | 368           |
| 2:45 PM                          | 0                     | 25   | 5     | 0 | 1                     | 54   | 1     | 0 | 0                                          | 0    | 0     | 0 | 6                                          | 0    | 2     | 0 | 94    | 359           |
| 3:00 PM                          | 0                     | 34   | 4     | 0 | 1                     | 41   | 0     | 0 | 0                                          | 0    | 0     | 0 | 3                                          | 0    | 1     | 0 | 84    | 353           |
| 3:15 PM                          | 0                     | 42   | 1     | 0 | 1                     | 43   | 1     | 0 | 0                                          | 0    | 0     | 1 | 5                                          | 0    | 0     | 0 | 94    | 355           |
| 3:30 PM                          | 1                     | 46   | 3     | 0 | 3                     | 52   | 0     | 0 | 0                                          | 0    | 0     | 1 | 7                                          | 0    | 2     | 0 | 115   | 387           |
| 3:45 PM                          | 0                     | 44   | 4     | 0 | 2                     | 56   | 0     | 0 | 0                                          | 0    | 0     | 0 | 6                                          | 0    | 1     | 0 | 113   | 406           |
| 4:00 PM                          | 0                     | 29   | 4     | 0 | 1                     | 54   | 0     | 0 | 0                                          | 0    | 0     | 0 | 7                                          | 0    | 2     | 0 | 97    | 419           |



| 15-Min Count<br>Period<br>Beginning At | Knapp Dr<br>(Northbound) |      |       |   | Knapp Dr<br>(Southbound) |      |       |   | Willow Cir Dr/Public Works<br>Dwy<br>(Eastbound) |      |       |   | Willow Cir Dr/Public Works<br>Dwy<br>(Westbound) |      |       |   | Total | Hourly<br>Totals |
|----------------------------------------|--------------------------|------|-------|---|--------------------------|------|-------|---|--------------------------------------------------|------|-------|---|--------------------------------------------------|------|-------|---|-------|------------------|
|                                        | Left                     | Thru | Right | U | Left                     | Thru | Right | U | Left                                             | Thru | Right | U | Left                                             | Thru | Right | U |       |                  |
| 4:15 PM                                | 0                        | 33   | 6     | 0 | 1                        | 55   | 0     | 0 | 0                                                | 0    | 0     | 0 | 8                                                | 0    | 1     | 0 | 104   | 429              |
| 4:30 PM                                | 0                        | 36   | 9     | 0 | 0                        | 58   | 0     | 0 | 0                                                | 0    | 0     | 0 | 10                                               | 0    | 1     | 0 | 114   | 428              |
| 4:45 PM                                | 0                        | 40   | 3     | 0 | 0                        | 60   | 0     | 0 | 0                                                | 0    | 0     | 0 | 7                                                | 0    | 3     | 0 | 113   | 428              |
| 5:00 PM                                | 0                        | 28   | 0     | 0 | 1                        | 40   | 0     | 0 | 0                                                | 0    | 0     | 0 | 7                                                | 0    | 0     | 0 | 76    | 407              |
| 5:15 PM                                | 0                        | 32   | 0     | 0 | 0                        | 60   | 0     | 0 | 0                                                | 0    | 0     | 0 | 5                                                | 0    | 0     | 0 | 97    | 400              |
| 5:30 PM                                | 1                        | 25   | 3     | 0 | 0                        | 39   | 0     | 0 | 0                                                | 0    | 0     | 1 | 3                                                | 0    | 0     | 0 | 72    | 358              |
| 5:45 PM                                | 0                        | 40   | 2     | 0 | 3                        | 51   | 0     | 0 | 0                                                | 0    | 0     | 0 | 5                                                | 0    | 1     | 0 | 102   | 347              |
| 6:00 PM                                | 0                        | 30   | 3     | 0 | 0                        | 42   | 0     | 0 | 0                                                | 0    | 0     | 0 | 3                                                | 0    | 1     | 0 | 79    | 350              |
| 6:15 PM                                | 0                        | 47   | 2     | 0 | 0                        | 47   | 0     | 0 | 0                                                | 0    | 0     | 0 | 3                                                | 0    | 0     | 0 | 99    | 352              |
| 6:30 PM                                | 0                        | 22   | 2     | 0 | 1                        | 46   | 0     | 0 | 0                                                | 0    | 0     | 0 | 2                                                | 0    | 0     | 0 | 73    | 353              |
| 6:45 PM                                | 0                        | 19   | 1     | 0 | 2                        | 40   | 0     | 0 | 0                                                | 0    | 0     | 0 | 2                                                | 0    | 0     | 0 | 64    | 315              |
| Peak 15-Min<br>Flowrates               | Northbound               |      |       |   | Southbound               |      |       |   | Eastbound                                        |      |       |   | Westbound                                        |      |       |   | Total |                  |
|                                        | Left                     | Thru | Right | U | Left                     | Thru | Right | U | Left                                             | Thru | Right | U | Left                                             | Thru | Right | U |       |                  |
| All Vehicles                           | 4                        | 184  | 12    | 0 | 12                       | 208  | 0     | 0 | 0                                                | 0    | 4     | 0 | 28                                               | 0    | 8     | 0 | 460   |                  |
| Heavy Trucks                           | 0                        | 0    | 0     |   | 0                        | 4    | 0     |   | 0                                                | 0    | 0     |   | 0                                                | 0    | 0     |   | 4     |                  |
| Buses                                  |                          |      |       |   |                          |      |       |   |                                                  |      |       |   |                                                  |      |       |   |       |                  |
| Pedestrians                            |                          | 0    |       |   |                          | 0    |       |   |                                                  | 0    |       |   |                                                  | 0    |       |   | 0     |                  |
| Bicycles                               | 0                        | 0    | 0     |   | 0                        | 0    | 0     |   | 0                                                | 0    | 0     |   | 0                                                | 0    | 0     |   | 0     |                  |
| Scooters                               |                          |      |       |   |                          |      |       |   |                                                  |      |       |   |                                                  |      |       |   |       |                  |
| <i>Comments:</i>                       |                          |      |       |   |                          |      |       |   |                                                  |      |       |   |                                                  |      |       |   |       |                  |

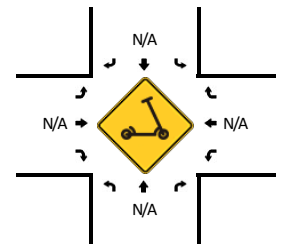
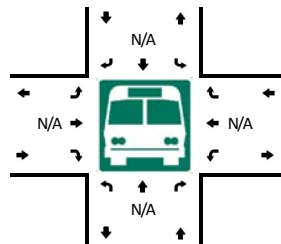
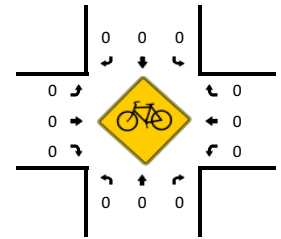
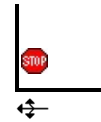
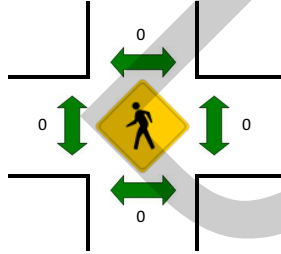
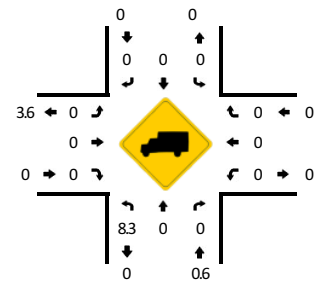
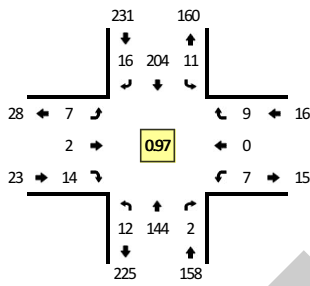
Report generated on 7/11/2025 2:06 PM

SOURCE: Quality Counts, LLC (<http://www.qualitycounts.net>) 1-877-580-2212



**LOCATION:** Knapp Dr -- Willow Cir Dr**CITY/STATE:** Crest Hill, IL**QC JOB #:** 17095006**DATE:** Wed, Jun 25 2025

Peak-Hour: 3:30 PM -- 4:30 PM  
Peak 15-Min: 4:15 PM -- 4:30 PM



| 15-Min Count<br>Period<br>Beginning At | Knapp Dr<br>(Northbound) |      |       |   | Knapp Dr<br>(Southbound) |      |       |   | Willow Cir Dr<br>(Eastbound) |      |       |   | Willow Cir Dr<br>(Westbound) |      |       |   | Total | Hourly<br>Totals |
|----------------------------------------|--------------------------|------|-------|---|--------------------------|------|-------|---|------------------------------|------|-------|---|------------------------------|------|-------|---|-------|------------------|
|                                        | Left                     | Thru | Right | U | Left                     | Thru | Right | U | Left                         | Thru | Right | U | Left                         | Thru | Right | U |       |                  |
| 7:00 AM                                | 0                        | 25   | 0     | 0 | 0                        | 15   | 1     | 0 | 1                            | 0    | 0     | 0 | 0                            | 0    | 1     | 0 | 43    |                  |
| 7:15 AM                                | 0                        | 31   | 0     | 0 | 0                        | 16   | 0     | 0 | 0                            | 0    | 1     | 0 | 0                            | 0    | 0     | 0 | 48    |                  |
| 7:30 AM                                | 1                        | 38   | 1     | 0 | 2                        | 22   | 1     | 0 | 1                            | 0    | 0     | 0 | 2                            | 0    | 2     | 0 | 70    |                  |
| 7:45 AM                                | 4                        | 36   | 0     | 0 | 4                        | 16   | 1     | 0 | 0                            | 0    | 1     | 0 | 2                            | 0    | 1     | 0 | 65    | 226              |
| 8:00 AM                                | 2                        | 33   | 0     | 0 | 1                        | 17   | 2     | 0 | 1                            | 0    | 1     | 0 | 0                            | 0    | 0     | 0 | 57    | 240              |
| 8:15 AM                                | 0                        | 29   | 0     | 0 | 0                        | 22   | 1     | 0 | 0                            | 1    | 2     | 0 | 1                            | 0    | 1     | 0 | 57    | 249              |
| 8:30 AM                                | 2                        | 38   | 0     | 0 | 4                        | 20   | 0     | 0 | 0                            | 0    | 1     | 0 | 0                            | 0    | 2     | 0 | 67    | 246              |
| 8:45 AM                                | 3                        | 20   | 0     | 0 | 2                        | 16   | 1     | 0 | 1                            | 0    | 3     | 0 | 0                            | 0    | 0     | 0 | 46    | 227              |
| 9:00 AM                                | 2                        | 13   | 0     | 0 | 4                        | 7    | 7     | 0 | 1                            | 0    | 1     | 0 | 0                            | 0    | 0     | 0 | 35    | 205              |
| 9:15 AM                                | 3                        | 36   | 0     | 0 | 0                        | 22   | 3     | 0 | 0                            | 0    | 3     | 0 | 0                            | 0    | 0     | 0 | 67    | 215              |
| 9:30 AM                                | 3                        | 20   | 1     | 0 | 2                        | 20   | 7     | 0 | 1                            | 0    | 3     | 0 | 1                            | 0    | 2     | 0 | 60    | 208              |
| 9:45 AM                                | 6                        | 29   | 1     | 0 | 9                        | 24   | 4     | 0 | 3                            | 1    | 10    | 0 | 3                            | 0    | 3     | 0 | 93    | 255              |
| 10:00 AM                               | 5                        | 23   | 0     | 0 | 3                        | 12   | 4     | 0 | 4                            | 1    | 6     | 0 | 1                            | 0    | 2     | 0 | 61    | 281              |
| 10:15 AM                               | 3                        | 25   | 0     | 0 | 4                        | 22   | 3     | 0 | 6                            | 0    | 6     | 0 | 0                            | 0    | 2     | 0 | 71    | 285              |
| 10:30 AM                               | 4                        | 18   | 0     | 0 | 2                        | 16   | 5     | 0 | 1                            | 1    | 6     | 0 | 2                            | 0    | 1     | 0 | 56    | 281              |
| 10:45 AM                               | 3                        | 22   | 1     | 0 | 3                        | 28   | 1     | 0 | 2                            | 0    | 1     | 0 | 1                            | 0    | 4     | 0 | 66    | 254              |
| 11:00 AM                               | 5                        | 33   | 2     | 0 | 4                        | 30   | 9     | 0 | 2                            | 0    | 9     | 0 | 3                            | 0    | 0     | 0 | 97    | 290              |
| 11:15 AM                               | 5                        | 26   | 0     | 0 | 3                        | 19   | 4     | 0 | 3                            | 0    | 7     | 0 | 0                            | 0    | 1     | 0 | 68    | 287              |
| 11:30 AM                               | 4                        | 25   | 0     | 0 | 3                        | 22   | 1     | 0 | 10                           | 1    | 9     | 0 | 1                            | 0    | 1     | 0 | 77    | 308              |
| 11:45 AM                               | 6                        | 37   | 0     | 0 | 4                        | 33   | 2     | 0 | 3                            | 0    | 5     | 0 | 1                            | 0    | 2     | 0 | 93    | 335              |
| 12:00 PM                               | 3                        | 37   | 2     | 0 | 4                        | 22   | 4     | 0 | 8                            | 1    | 11    | 0 | 0                            | 2    | 1     | 0 | 95    | 333              |
| 12:15 PM                               | 5                        | 37   | 0     | 0 | 2                        | 24   | 5     | 0 | 4                            | 0    | 9     | 0 | 3                            | 0    | 3     | 0 | 92    | 357              |
| 12:30 PM                               | 4                        | 38   | 0     | 0 | 4                        | 15   | 4     | 0 | 4                            | 1    | 11    | 0 | 1                            | 0    | 2     | 0 | 84    | 364              |
| 12:45 PM                               | 4                        | 20   | 1     | 0 | 4                        | 26   | 1     | 0 | 3                            | 3    | 4     | 0 | 3                            | 0    | 3     | 0 | 72    | 343              |
| 1:00 PM                                | 5                        | 21   | 0     | 0 | 5                        | 36   | 6     | 0 | 2                            | 0    | 5     | 0 | 2                            | 1    | 2     | 0 | 85    | 333              |
| 1:15 PM                                | 3                        | 39   | 1     | 0 | 6                        | 28   | 6     | 0 | 6                            | 1    | 8     | 0 | 0                            | 0    | 3     | 0 | 101   | 342              |
| 1:30 PM                                | 1                        | 43   | 0     | 0 | 7                        | 33   | 4     | 0 | 3                            | 0    | 10    | 0 | 1                            | 0    | 2     | 0 | 104   | 362              |
| 1:45 PM                                | 2                        | 37   | 1     | 0 | 2                        | 37   | 1     | 0 | 4                            | 0    | 10    | 0 | 1                            | 0    | 2     | 0 | 97    | 387              |
| 2:00 PM                                | 0                        | 37   | 0     | 0 | 1                        | 28   | 2     | 0 | 3                            | 0    | 5     | 0 | 1                            | 0    | 4     | 0 | 81    | 383              |
| 2:15 PM                                | 1                        | 38   | 0     | 0 | 2                        | 37   | 3     | 0 | 0                            | 0    | 4     | 0 | 1                            | 0    | 1     | 0 | 87    | 369              |
| 2:30 PM                                | 3                        | 31   | 1     | 0 | 0                        | 31   | 3     | 0 | 2                            | 0    | 6     | 0 | 1                            | 0    | 1     | 0 | 79    | 344              |
| 2:45 PM                                | 2                        | 27   | 1     | 0 | 4                        | 49   | 0     | 0 | 4                            | 0    | 7     | 0 | 1                            | 0    | 2     | 0 | 97    | 344              |
| 3:00 PM                                | 1                        | 34   | 0     | 0 | 3                        | 36   | 3     | 0 | 3                            | 0    | 4     | 0 | 0                            | 0    | 2     | 0 | 86    | 349              |
| 3:15 PM                                | 3                        | 37   | 0     | 0 | 0                        | 34   | 2     | 0 | 3                            | 0    | 5     | 0 | 1                            | 0    | 2     | 0 | 87    | 349              |
| 3:30 PM                                | 1                        | 43   | 0     | 0 | 3                        | 48   | 4     | 0 | 2                            | 1    | 1     | 0 | 3                            | 0    | 2     | 0 | 108   | 378              |
| 3:45 PM                                | 4                        | 36   | 2     | 0 | 1                        | 50   | 3     | 0 | 1                            | 1    | 3     | 0 | 1                            | 0    | 3     | 0 | 105   | 386              |
| 4:00 PM                                | 4                        | 28   | 0     | 0 | 2                        | 53   | 6     | 0 | 3                            | 0    | 6     | 0 | 1                            | 0    | 2     | 0 | 105   | 405              |
| 4:15 PM                                | 3                        | 37   | 0     | 0 | 5                        | 53   | 3     | 0 | 1                            | 0    | 4     | 0 | 2                            | 0    | 2     | 0 | 110   | 428              |



| 15-Min Count<br>Period<br>Beginning At | Knapp Dr<br>(Northbound) |      |       |   | Knapp Dr<br>(Southbound) |      |       |   | Willow Cir Dr<br>(Eastbound) |      |       |   | Willow Cir Dr<br>(Westbound) |      |       |   | Total | Hourly<br>Totals |
|----------------------------------------|--------------------------|------|-------|---|--------------------------|------|-------|---|------------------------------|------|-------|---|------------------------------|------|-------|---|-------|------------------|
|                                        | Left                     | Thru | Right | U | Left                     | Thru | Right | U | Left                         | Thru | Right | U | Left                         | Thru | Right | U |       |                  |
| 4:30 PM                                | 1                        | 35   | 1     | 0 | 1                        | 47   | 1     | 0 | 4                            | 0    | 4     | 0 | 1                            | 0    | 4     | 0 | 99    | 419              |
| 4:45 PM                                | 2                        | 32   | 2     | 0 | 2                        | 43   | 5     | 0 | 5                            | 0    | 8     | 0 | 3                            | 0    | 0     | 0 | 102   | 416              |
| 5:00 PM                                | 2                        | 30   | 1     | 0 | 3                        | 38   | 0     | 0 | 2                            | 0    | 3     | 0 | 0                            | 0    | 3     | 0 | 82    | 393              |
| 5:15 PM                                | 2                        | 31   | 1     | 0 | 2                        | 53   | 2     | 0 | 2                            | 0    | 10    | 0 | 0                            | 0    | 2     | 0 | 105   | 388              |
| 5:30 PM                                | 2                        | 22   | 0     | 0 | 1                        | 35   | 2     | 0 | 1                            | 0    | 6     | 0 | 0                            | 0    | 3     | 0 | 72    | 361              |
| 5:45 PM                                | 1                        | 32   | 0     | 0 | 1                        | 37   | 1     | 0 | 2                            | 1    | 5     | 0 | 0                            | 0    | 2     | 0 | 82    | 341              |
| 6:00 PM                                | 0                        | 28   | 0     | 0 | 4                        | 36   | 1     | 0 | 1                            | 0    | 4     | 0 | 0                            | 0    | 2     | 0 | 76    | 335              |
| 6:15 PM                                | 3                        | 42   | 0     | 0 | 3                        | 36   | 0     | 0 | 1                            | 1    | 7     | 0 | 2                            | 0    | 0     | 0 | 95    | 325              |
| 6:30 PM                                | 2                        | 19   | 0     | 0 | 1                        | 39   | 2     | 0 | 1                            | 0    | 6     | 0 | 1                            | 0    | 2     | 0 | 73    | 326              |
| 6:45 PM                                | 0                        | 20   | 0     | 0 | 3                        | 32   | 0     | 0 | 3                            | 0    | 5     | 0 | 0                            | 0    | 2     | 0 | 65    | 309              |
| Peak 15-Min<br>Flowrates               | Northbound               |      |       |   | Southbound               |      |       |   | Eastbound                    |      |       |   | Westbound                    |      |       |   | Total |                  |
|                                        | Left                     | Thru | Right | U | Left                     | Thru | Right | U | Left                         | Thru | Right | U | Left                         | Thru | Right | U |       |                  |
| All Vehicles                           | 12                       | 148  | 0     | 0 | 20                       | 212  | 12    | 0 | 4                            | 0    | 16    | 0 | 8                            | 0    | 8     | 0 | 440   |                  |
| Heavy Trucks                           | 4                        | 0    | 0     |   | 0                        | 0    | 0     |   | 0                            | 0    | 0     |   | 0                            | 0    | 0     |   | 4     |                  |
| Buses                                  |                          |      |       |   |                          |      |       |   |                              |      |       |   |                              |      |       |   |       |                  |
| Pedestrians                            |                          | 0    |       |   |                          | 0    |       |   |                              | 0    |       |   |                              | 0    |       |   | 0     |                  |
| Bicycles                               | 0                        | 0    | 0     |   | 0                        | 0    | 0     |   | 0                            | 0    | 0     |   | 0                            | 0    | 0     |   | 0     |                  |
| Scooters                               |                          |      |       |   |                          |      |       |   |                              |      |       |   |                              |      |       |   |       |                  |

Comments:

Report generated on 7/11/2025 2:06 PM

SOURCE: Quality Counts, LLC (<http://www.qualitycounts.net>) 1-877-580-2212



Northbound - Starting from Knapp Dr & Theodore St

Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Grey             | SUV          | 7:00:33                                   | X                                        |          | EBL                                                         | X                                                    |
| Black            | Sedan        | 7:00:40                                   | 7:01:53                                  | 0:01:13  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 7:00:48                                   | 7:02:01                                  | 0:01:13  | WBR                                                         | WBR                                                  |
| Silver           | Van          | 7:02:02                                   | 7:03:03                                  | 0:01:01  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 7:02:17                                   | X                                        |          | EBL                                                         | X                                                    |
| Grey             | Crossover    | 7:02:40                                   | X                                        |          | EBL                                                         | X                                                    |
| Red              | Sedan        | 7:03:07                                   | 7:03:58                                  | 0:00:51  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 7:04:33                                   | 7:05:21                                  | 0:00:48  | WBR                                                         | WBR                                                  |
| Silver           | Crossover    | 7:06:18                                   | 7:07:16                                  | 0:00:58  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 7:07:11                                   | 7:08:02                                  | 0:00:51  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 7:07:14                                   | 7:08:08                                  | 0:00:54  | WBR                                                         | WBR                                                  |
| Blue             | Truck        | 7:08:07                                   | 7:09:24                                  | 0:01:17  | WBR                                                         | WBR                                                  |
| White            | SUV          | 7:08:15                                   | 7:09:35                                  | 0:01:20  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 7:08:48                                   | 7:09:38                                  | 0:00:50  | WBR                                                         | WBR                                                  |
| Red              | Minivan      | 7:08:51                                   | 7:09:41                                  | 0:00:50  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 7:08:53                                   | 7:09:46                                  | 0:00:53  | EBL                                                         | WBR                                                  |
| Black            | Truck        | 7:09:10                                   | 7:10:04                                  | 0:00:54  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 7:09:42                                   | 7:10:52                                  | 0:01:10  | WBR                                                         | WBR                                                  |
| Grey             | Crossover    | 7:10:10                                   | 7:11:04                                  | 0:00:54  | WBR                                                         | WBR                                                  |
| Grey             | Crossover    | 7:10:20                                   | 7:11:07                                  | 0:00:47  | EBL                                                         | WBR                                                  |
| Blue             | Crossover    | 7:11:54                                   | 7:12:49                                  | 0:00:55  | WBR                                                         | WBR                                                  |
| White            | SUV          | 7:11:56                                   | 7:12:54                                  | 0:00:58  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 7:12:18                                   | X                                        |          | WBR                                                         | X                                                    |
| White            | Truck        | 7:12:23                                   | X                                        |          | EBL                                                         | X                                                    |
| Silver           | Minivan      | 7:12:42                                   | X                                        |          | EBL                                                         | X                                                    |
| Silver           | Crossover    | 7:12:44                                   | 7:13:34                                  | 0:00:50  | EBL                                                         | WBR                                                  |
| Blue             | Sedan        | 7:12:52                                   | 7:13:40                                  | 0:00:48  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 7:13:28                                   | 7:14:17                                  | 0:00:49  | EBL                                                         | WBR                                                  |
| Silver           | SUV          | 7:14:13                                   | 7:15:03                                  | 0:00:50  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 7:14:40                                   | 7:15:32                                  | 0:00:52  | WBR                                                         | WBR                                                  |
| Silver           | SUV          | 7:16:20                                   | 7:17:11                                  | 0:00:51  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 7:16:21                                   | 7:17:13                                  | 0:00:52  | WBR                                                         | WBR                                                  |
| Black            | Crossover    | 7:16:23                                   | 7:17:16                                  | 0:00:53  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 7:16:42                                   | 7:17:25                                  | 0:00:43  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 7:17:05                                   | X                                        |          | WBR                                                         | X                                                    |
| Silver           | SUV          | 7:17:26                                   | 7:18:22                                  | 0:00:56  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 7:17:52                                   | 7:18:40                                  | 0:00:48  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 7:18:07                                   | 7:18:56                                  | 0:00:49  | EBL                                                         | WBR                                                  |
| Black            | Truck        | 7:18:45                                   | 7:19:52                                  | 0:01:07  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 7:18:55                                   | X                                        |          | WBR                                                         | X                                                    |
| Black            | Truck        | 7:19:27                                   | X                                        |          | EBL                                                         | X                                                    |
| Silver           | Truck        | 7:19:37                                   | 7:20:29                                  | 0:00:52  | EBL                                                         | WBR                                                  |
| White            | SUV          | 7:20:14                                   | 7:21:13                                  | 0:00:59  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 7:20:30                                   | 7:21:36                                  | 0:01:06  | WBR                                                         | WBR                                                  |
| Red              | Crossover    | 7:21:24                                   | 7:22:16                                  | 0:00:52  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 7:21:36                                   | 7:22:30                                  | 0:00:54  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 7:21:41                                   | 7:22:33                                  | 0:00:52  | WBR                                                         | WBR                                                  |
| White            | Van          | 7:21:58                                   | 7:22:49                                  | 0:00:51  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 7:22:51                                   | 7:23:55                                  | 0:01:04  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 7:24:47                                   | 7:25:47                                  | 0:01:00  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 7:25:06                                   | 7:26:09                                  | 0:01:03  | WBR                                                         | WBR                                                  |
| White            | Jeep         | 7:26:30                                   | 7:27:23                                  | 0:00:53  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 7:26:48                                   | 7:27:55                                  | 0:01:07  | WBR                                                         | WBR                                                  |
| White            | SUV          | 7:26:52                                   | 7:27:58                                  | 0:01:06  | WBR                                                         | WBR                                                  |



Northbound - Starting from Knapp Dr & Theodore St

Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Black            | SUV          | 7:27:22                                   | 7:28:19                                  | 0:00:57  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 7:27:29                                   | 7:28:38                                  | 0:01:09  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 7:27:53                                   | 7:29:12                                  | 0:01:19  | EBL                                                         | WBR                                                  |
| Yellow           | Bus          | 7:27:58                                   | 7:29:39                                  | 0:01:41  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 7:28:01                                   | 7:29:44                                  | 0:01:43  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 7:28:16                                   | 7:29:48                                  | 0:01:32  | WBR                                                         | WBR                                                  |
| Yellow           | Bus          | 7:28:47                                   | 7:29:53                                  | 0:01:06  | WBR                                                         | WBR                                                  |
| Black            | Crossover    | 7:29:18                                   | 7:30:14                                  | 0:00:56  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 7:29:50                                   | 7:31:01                                  | 0:01:11  | WBR                                                         | WBR                                                  |
| Red              | Truck        | 7:29:59                                   | 7:31:10                                  | 0:01:11  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 7:30:30                                   | 7:31:16                                  | 0:00:46  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 7:30:39                                   | 7:31:36                                  | 0:00:57  | WBR                                                         | WBR                                                  |
| White            | Truck        | 7:31:00                                   | X                                        |          | WBR                                                         | X                                                    |
| Red              | SUV          | 7:31:04                                   | 7:32:00                                  | 0:00:56  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 7:31:08                                   | 7:32:07                                  | 0:00:59  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 7:31:21                                   | 7:32:17                                  | 0:00:56  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 7:31:23                                   | 7:32:20                                  | 0:00:57  | WBR                                                         | WBR                                                  |
| Yellow           | Van          | 7:31:37                                   | 7:33:08                                  | 0:01:31  | EBL                                                         | WBR                                                  |
| Grey             | SUV          | 7:32:41                                   | X                                        |          | WBR                                                         | X                                                    |
| Grey             | Sedan        | 7:32:44                                   | 7:33:38                                  | 0:00:54  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 7:32:57                                   | 7:33:49                                  | 0:00:52  | WBR                                                         | WBR                                                  |
| White            | SUV          | 7:33:30                                   | 7:34:39                                  | 0:01:09  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 7:33:39                                   | 7:34:44                                  | 0:01:05  | WBR                                                         | WBR                                                  |
| Blue             | Sedan        | 7:33:54                                   | 7:34:58                                  | 0:01:04  | WBR                                                         | WBR                                                  |
| Grey & Black     | Jeep         | 7:34:01                                   | 7:35:02                                  | 0:01:01  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 7:34:31                                   | 7:35:23                                  | 0:00:52  | WBR                                                         | WBR                                                  |
| White            | Truck        | 7:34:55                                   | X                                        |          | EBL                                                         | X                                                    |
| Red              | SUV          | 7:35:00                                   | X                                        |          | EBL                                                         | X                                                    |
| Black            | Hatchback    | 7:36:23                                   | 7:37:17                                  | 0:00:54  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 7:36:29                                   | 7:37:20                                  | 0:00:51  | WBR                                                         | WBR                                                  |
| White            | SUV          | 7:36:45                                   | 7:37:38                                  | 0:00:53  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 7:36:57                                   | X                                        |          | EBL                                                         | X                                                    |
| Brown            | Sedan        | 7:37:05                                   | 7:38:08                                  | 0:01:03  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 7:37:22                                   | 7:38:25                                  | 0:01:03  | EBL                                                         | WBR                                                  |
| White            | Truck        | 7:37:29                                   | X                                        |          | WBR                                                         | X                                                    |
| Blue             | SUV          | 7:38:37                                   | 7:39:37                                  | 0:01:00  | WBR                                                         | WBR                                                  |
| White            | SUV          | 7:38:45                                   | 7:39:39                                  | 0:00:54  | EBL                                                         | WBR                                                  |
| White            | Sedan        | 7:39:01                                   | 7:39:58                                  | 0:00:57  | EBL                                                         | WBR                                                  |
| Grey             | SUV          | 7:39:09                                   | 7:40:05                                  | 0:00:56  | WBR                                                         | WBR                                                  |
| White            | Truck        | 7:39:17                                   | 7:40:26                                  | 0:01:09  | WBR                                                         | WBR                                                  |
| Blue             | SUV          | 7:39:33                                   | 7:40:30                                  | 0:00:57  | EBL                                                         | WBR                                                  |
| Red              | SUV          | 7:40:08                                   | 7:41:01                                  | 0:00:53  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 7:40:32                                   | 7:41:27                                  | 0:00:55  | WBR                                                         | WBR                                                  |
| Red              | Sedan        | 7:40:51                                   | 7:42:11                                  | 0:01:20  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 7:40:53                                   | 7:42:19                                  | 0:01:26  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 7:40:58                                   | 7:42:23                                  | 0:01:25  | WBR                                                         | WBR                                                  |
| Blue             | Sedan        | 7:41:56                                   | 7:42:43                                  | 0:00:47  | WBR                                                         | WBR                                                  |
| Brown            | Truck        | 7:42:18                                   | 7:44:01                                  | 0:01:43  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 7:42:56                                   | 7:44:04                                  | 0:01:08  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 7:43:06                                   | 7:44:16                                  | 0:01:10  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 7:44:27                                   | 7:45:15                                  | 0:00:48  | EBL                                                         | WBR                                                  |
| Grey             | SUV          | 7:44:31                                   | X                                        |          | EBL                                                         | X                                                    |
| White            | Van          | 7:45:31                                   | 7:46:27                                  | 0:00:56  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 7:45:44                                   | 7:46:51                                  | 0:01:07  | EBL                                                         | WBR                                                  |

Northbound - Starting from Knapp Dr & Theodore St

Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| White            | SUV          | 7:45:57                                   | 7:46:51                                  | 0:00:54  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 7:46:03                                   | 7:47:28                                  | 0:01:25  | WBR                                                         | WBR                                                  |
| Blue             | Sedan        | 7:46:12                                   | 7:47:31                                  | 0:01:19  | EBL                                                         | WBR                                                  |
| Blue             | Truck        | 7:46:32                                   | 7:47:38                                  | 0:01:06  | WBR                                                         | WBR                                                  |
| Red              | Truck        | 7:46:45                                   | 7:47:50                                  | 0:01:05  | EBL                                                         | WBR                                                  |
| White            | SUV          | 7:47:20                                   | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 7:47:36                                   | 7:48:30                                  | 0:00:54  | WBR                                                         | WBR                                                  |
| Black            | Minivan      | 7:47:40                                   | 7:48:42                                  | 0:01:02  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 7:47:53                                   | 7:48:45                                  | 0:00:52  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 7:47:55                                   | 7:48:47                                  | 0:00:52  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 7:48:05                                   | 7:49:22                                  | 0:01:17  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 7:49:29                                   | 7:50:11                                  | 0:00:42  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 7:50:09                                   | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 7:50:17                                   | 7:51:21                                  | 0:01:04  | WBR                                                         | WBR                                                  |
| White            | SUV          | 7:50:20                                   | 7:51:28                                  | 0:01:08  | WBR                                                         | WBR                                                  |
| White            | SUV          | 7:50:29                                   | X                                        |          | WBR                                                         | X                                                    |
| Blue             | Sedan        | 7:51:58                                   | 7:52:49                                  | 0:00:51  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 7:52:02                                   | 7:52:52                                  | 0:00:50  | WBR                                                         | WBR                                                  |
| Blue             | Sedan        | 7:52:03                                   | 7:52:56                                  | 0:00:53  | EBL                                                         | WBR                                                  |
| Grey             | SUV          | 7:53:52                                   | 7:54:47                                  | 0:00:55  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 7:53:54                                   | 7:55:03                                  | 0:01:09  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 7:54:08                                   | 7:55:06                                  | 0:00:58  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 7:54:14                                   | 7:55:16                                  | 0:01:02  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 7:54:32                                   | 7:55:32                                  | 0:01:00  | WBR                                                         | WBR                                                  |
| Red              | Sedan        | 7:54:48                                   | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 7:54:52                                   | 7:55:45                                  | 0:00:53  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 7:55:03                                   | 7:55:54                                  | 0:00:51  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 7:55:23                                   | 7:56:13                                  | 0:00:50  | WBR                                                         | WBR                                                  |
| Silver           | SUV          | 7:55:31                                   | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 7:56:10                                   | 7:57:00                                  | 0:00:50  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 7:56:49                                   | 7:57:36                                  | 0:00:47  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 7:56:51                                   | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 7:56:55                                   | X                                        |          | EBL                                                         | X                                                    |
| Black            | Sedan        | 7:57:00                                   | 7:57:54                                  | 0:00:54  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 7:57:24                                   | 7:58:16                                  | 0:00:52  | WBR                                                         | WBR                                                  |
| White            | Truck        | 7:57:31                                   | 7:58:27                                  | 0:00:56  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 7:57:54                                   | 7:58:47                                  | 0:00:53  | EBL                                                         | WBR                                                  |
| White            | Sedan        | 7:58:04                                   | 7:58:56                                  | 0:00:52  | EBL                                                         | WBR                                                  |
| Blue             | Truck        | 7:58:19                                   | X                                        |          | WBR                                                         | X                                                    |
| Green            | Jeep         | 7:58:22                                   | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 7:58:30                                   | X                                        |          | WBR                                                         | X                                                    |
| White            | Truck        | 7:58:33                                   | 7:59:37                                  | 0:01:04  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 7:58:39                                   | 7:59:45                                  | 0:01:06  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 7:59:21                                   | 8:00:11                                  | 0:00:50  | EBL                                                         | WBR                                                  |
| White            | Sedan        | 8:00:34                                   | 8:01:24                                  | 0:00:50  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 8:01:20                                   | 8:02:20                                  | 0:01:00  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 8:01:34                                   | 8:02:30                                  | 0:00:56  | WBR                                                         | WBR                                                  |
| Blue             | Coupe        | 8:01:36                                   | 8:02:32                                  | 0:00:56  | WBR                                                         | WBR                                                  |
| White            | SUV          | 8:01:38                                   | 8:02:39                                  | 0:01:01  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 8:01:40                                   | X                                        |          | EBL                                                         | X                                                    |
| Black            | Sedan        | 8:02:33                                   | 8:03:21                                  | 0:00:48  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 8:02:52                                   | 8:04:03                                  | 0:01:11  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 8:03:04                                   | 8:04:06                                  | 0:01:02  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 8:03:44                                   | X                                        |          | WBR                                                         | X                                                    |



Northbound - Starting from Knapp Dr & Theodore St  
Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Black            | SUV          | 8:04:01                                   | 8:04:48                                  | 0:00:47  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 8:04:20                                   | 8:05:07                                  | 0:00:47  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 8:05:20                                   | 8:06:09                                  | 0:00:49  | WBR                                                         | WBR                                                  |
| Green            | Sedan        | 8:05:52                                   | X                                        |          | EBL                                                         | X                                                    |
| Brown            | Sedan        | 8:06:47                                   | 8:07:43                                  | 0:00:56  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 8:07:00                                   | 8:07:54                                  | 0:00:54  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 8:07:35                                   | 8:08:28                                  | 0:00:53  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 8:07:39                                   | 8:08:42                                  | 0:01:03  | WBR                                                         | WBR                                                  |
| White            | Bus          | 8:07:57                                   | 8:09:33                                  | 0:01:36  | WBR                                                         | WBR                                                  |
| Blue             | Sedan        | 8:07:59                                   | 8:09:37                                  | 0:01:38  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 8:09:43                                   | 8:10:32                                  | 0:00:49  | WBR                                                         | WBR                                                  |
| White            | Van          | 8:10:06                                   | 8:11:14                                  | 0:01:08  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 8:10:24                                   | 8:11:22                                  | 0:00:58  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 8:11:23                                   | 8:12:18                                  | 0:00:55  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 8:11:26                                   | 8:12:26                                  | 0:01:00  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 8:12:08                                   | 8:13:09                                  | 0:01:01  | WBR                                                         | WBR                                                  |
| Red              | Sedan        | 8:12:15                                   | 8:13:17                                  | 0:01:02  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 8:12:26                                   | 8:13:21                                  | 0:00:55  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 8:12:35                                   | 8:13:32                                  | 0:00:57  | NBT                                                         | WBR                                                  |
| White            | Sedan        | 8:13:06                                   | 8:13:56                                  | 0:00:50  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 8:13:37                                   | 8:14:31                                  | 0:00:54  | EBL                                                         | WBR                                                  |
| White            | Sedan        | 8:13:59                                   | 8:15:03                                  | 0:01:04  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 8:14:08                                   | 8:15:13                                  | 0:01:05  | WBR                                                         | WBR                                                  |
| Green            | SUV          | 8:14:11                                   | 8:15:22                                  | 0:01:11  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 8:14:47                                   | 8:15:44                                  | 0:00:57  | WBR                                                         | WBR                                                  |
| White            | Heavy        | 8:15:21                                   | 8:16:15                                  | 0:00:54  | EBL                                                         | WBR                                                  |
| Black            | Minivan      | 8:17:01                                   | 8:17:55                                  | 0:00:54  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 8:17:04                                   | X                                        |          | EBL                                                         | X                                                    |
| Brown            | SUV          | 8:17:11                                   | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 8:17:16                                   | 8:18:45                                  | 0:01:29  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 8:17:19                                   | 8:18:48                                  | 0:01:29  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 8:18:12                                   | 8:19:05                                  | 0:00:53  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 8:18:33                                   | 8:19:19                                  | 0:00:46  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 8:18:42                                   | 8:19:37                                  | 0:00:55  | WBR                                                         | WBR                                                  |
| White            | SUV          | 8:20:45                                   | X                                        |          | EBL                                                         | X                                                    |
| Green            | Sedan        | 8:21:06                                   | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 8:22:00                                   | 8:22:56                                  | 0:00:56  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 8:23:06                                   | 8:24:11                                  | 0:01:05  | WBR                                                         | WBR                                                  |
| White            | SUV          | 8:23:15                                   | 8:24:24                                  | 0:01:09  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 8:23:27                                   | 8:24:26                                  | 0:00:59  | WBR                                                         | WBR                                                  |
| Black            | Crossover    | 8:23:31                                   | 8:24:28                                  | 0:00:57  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 8:23:54                                   | 8:24:41                                  | 0:00:47  | EBL                                                         | WBR                                                  |
| Red              | SUV          | 8:24:25                                   | 8:25:27                                  | 0:01:02  | WBR                                                         | WBR                                                  |
| White            | SUV          | 8:24:28                                   | 8:25:30                                  | 0:01:02  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 8:24:32                                   | 8:25:33                                  | 0:01:01  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 8:24:33                                   | 8:25:36                                  | 0:01:03  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 8:25:16                                   | 8:26:15                                  | 0:00:59  | WBR                                                         | WBR                                                  |
| White            | Bus          | 8:25:30                                   | X                                        |          | WBR                                                         | X                                                    |
| White            | Van          | 8:26:24                                   | 8:27:22                                  | 0:00:58  | WBR                                                         | WBR                                                  |
| White            | Truck        | 8:26:27                                   | 8:27:23                                  | 0:00:56  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 8:26:30                                   | 8:27:30                                  | 0:01:00  | EBL                                                         | WBR                                                  |
| Grey             | Sedan        | 8:26:55                                   | 8:28:03                                  | 0:01:08  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 8:27:39                                   | 8:28:26                                  | 0:00:47  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 8:28:10                                   | X                                        |          | WBR                                                         | X                                                    |

Northbound - Starting from Knapp Dr & Theodore St  
Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Grey             | Truck        | 8:28:34                                   | 8:29:42                                  | 0:01:08  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 8:28:50                                   | X                                        |          | EBL                                                         | X                                                    |
| Red              | Sedan        | 8:29:45                                   | 8:30:44                                  | 0:00:59  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 8:29:48                                   | 8:30:47                                  | 0:00:59  | WBR                                                         | WBR                                                  |
| Grey             | Truck        | 8:30:23                                   | 8:31:30                                  | 0:01:07  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 8:30:26                                   | 8:31:37                                  | 0:01:11  | WBR                                                         | WBR                                                  |
| White            | Truck        | 8:30:28                                   | 8:31:39                                  | 0:01:11  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 8:30:33                                   | 8:31:44                                  | 0:01:11  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 8:31:04                                   | 8:31:54                                  | 0:00:50  | WBR                                                         | WBR                                                  |
| White            | SUV          | 8:31:08                                   | X                                        |          | WBR                                                         | X                                                    |
| Grey             | Sedan        | 8:31:25                                   | 8:32:18                                  | 0:00:53  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 8:31:36                                   | X                                        |          | EBL                                                         | X                                                    |
| Red              | Sedan        | 8:32:10                                   | 8:33:12                                  | 0:01:02  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 8:32:13                                   | 8:33:18                                  | 0:01:05  | WBR                                                         | WBR                                                  |
| White            | Van          | 8:32:30                                   | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 8:33:22                                   | 8:34:21                                  | 0:00:59  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 8:34:01                                   | 8:35:08                                  | 0:01:07  | WBR                                                         | WBR                                                  |
| Blue             | SUV          | 8:34:03                                   | 8:35:11                                  | 0:01:08  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 8:34:15                                   | 8:35:16                                  | 0:01:01  | WBR                                                         | WBR                                                  |
| White            | SUV          | 8:34:18                                   | 8:35:24                                  | 0:01:06  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 8:34:26                                   | 8:35:29                                  | 0:01:03  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 8:34:28                                   | 8:35:32                                  | 0:01:04  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 8:34:39                                   | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 8:35:34                                   | 8:36:25                                  | 0:00:51  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 8:36:15                                   | 8:37:12                                  | 0:00:57  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 8:36:35                                   | 8:37:24                                  | 0:00:49  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 8:36:49                                   | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 8:37:11                                   | 8:38:03                                  | 0:00:52  | WBR                                                         | WBR                                                  |
| White            | SUV          | 8:37:52                                   | 8:38:49                                  | 0:00:57  | WBR                                                         | WBR                                                  |
| White            | SUV          | 8:38:01                                   | 8:39:01                                  | 0:01:00  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 8:38:13                                   | 8:39:06                                  | 0:00:53  | EBL                                                         | WBR                                                  |
| Black            | Truck        | 8:38:26                                   | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 8:38:29                                   | X                                        |          | EBL                                                         | X                                                    |
| Grey             | Sedan        | 8:38:31                                   | 8:39:33                                  | 0:01:02  | EBL                                                         | WBR                                                  |
| White            | Sedan        | 8:38:42                                   | 8:39:36                                  | 0:00:54  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 8:39:09                                   | 8:39:59                                  | 0:00:50  | WBR                                                         | WBR                                                  |
| Red              | Sedan        | 8:39:11                                   | 8:40:23                                  | 0:01:12  | EBL                                                         | WBR                                                  |
| White            | SUV          | 8:39:33                                   | X                                        |          | WBR                                                         | X                                                    |
| White            | SUV          | 8:40:14                                   | 8:41:09                                  | 0:00:55  | WBR                                                         | WBR                                                  |
| Green            | Sedan        | 8:40:55                                   | X                                        |          | EBL                                                         | X                                                    |
| Black            | Sedan        | 8:41:19                                   | 8:42:48                                  | 0:01:29  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 8:41:30                                   | 8:42:54                                  | 0:01:24  | EBL                                                         | WBR                                                  |
| White            | SUV          | 8:42:12                                   | 8:43:11                                  | 0:00:59  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 8:42:14                                   | 8:43:14                                  | 0:01:00  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 8:43:12                                   | 8:44:15                                  | 0:01:03  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 8:43:17                                   | 8:44:21                                  | 0:01:04  | WBR                                                         | WBR                                                  |
| Red              | Van          | 8:44:08                                   | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 8:44:28                                   | 8:45:26                                  | 0:00:58  | WBR                                                         | WBR                                                  |
| White            | SUV          | 8:45:43                                   | X                                        |          | EBL                                                         | X                                                    |
| White            | SUV          | 8:45:53                                   | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 8:46:27                                   | 8:47:25                                  | 0:00:58  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 8:46:32                                   | X                                        |          | WBR                                                         | X                                                    |
| White            | Truck        | 8:46:43                                   | 8:47:31                                  | 0:00:48  | WBR                                                         | WBR                                                  |
| Blue             | Sedan        | 8:46:57                                   | 8:47:59                                  | 0:01:02  | WBR                                                         | WBR                                                  |



Northbound - Starting from Knapp Dr & Theodore St

Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Red              | Heavy        | 8:47:25                                   | 8:48:36                                  | 0:01:11  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 8:48:01                                   | 8:48:55                                  | 0:00:54  | WBR                                                         | WBR                                                  |
| White            | SUV          | 8:48:51                                   | 8:49:55                                  | 0:01:04  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 8:49:06                                   | 8:50:09                                  | 0:01:03  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 8:49:42                                   | 8:50:29                                  | 0:00:47  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 8:50:36                                   | 8:51:19                                  | 0:00:43  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 8:50:41                                   | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 8:53:19                                   | 8:54:12                                  | 0:00:53  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 8:53:24                                   | 8:54:16                                  | 0:00:52  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 8:53:27                                   | 8:54:19                                  | 0:00:52  | WBR                                                         | WBR                                                  |
| White            | SUV          | 8:55:15                                   | 8:56:21                                  | 0:01:06  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 8:55:43                                   | 8:56:32                                  | 0:00:49  | EBL                                                         | WBR                                                  |
| Grey             | Sedan        | 8:55:46                                   | X                                        |          | EBL                                                         | X                                                    |
| Red              | SUV          | 8:57:17                                   | X                                        |          | WBR                                                         | X                                                    |
| Grey             | Sedan        | 8:57:34                                   | X                                        |          | EBL                                                         | X                                                    |
| White            | Sedan        | 8:57:58                                   | 8:59:13                                  | 0:01:15  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 8:58:35                                   | 8:59:38                                  | 0:01:03  | WBR                                                         | WBR                                                  |
| White            | SUV          | 8:58:51                                   | X                                        |          | WBR                                                         | X                                                    |
| Black            | Truck        | 8:59:08                                   | 8:59:59                                  | 0:00:51  | WBR                                                         | WBR                                                  |
| Sky Blue         | Sedan        | 9:00:01                                   | 9:01:02                                  | 0:01:01  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 9:00:46                                   | 9:01:41                                  | 0:00:55  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 9:01:11                                   | 9:02:08                                  | 0:00:57  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 9:01:15                                   | 9:02:31                                  | 0:01:16  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 9:03:29                                   | 9:04:29                                  | 0:01:00  | WBR                                                         | WBR                                                  |
| Sky Blue         | SUV          | 9:03:38                                   | 9:04:36                                  | 0:00:58  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 9:04:03                                   | X                                        |          | WBR                                                         | X                                                    |
| White            | SUV          | 9:04:30                                   | X                                        |          | EBL                                                         | X                                                    |
| Black            | Sedan        | 9:04:48                                   | X                                        |          | EBL                                                         | X                                                    |
| Black            | Sedan        | 9:04:57                                   | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 9:05:37                                   | 9:06:42                                  | 0:01:05  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 9:06:56                                   | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 9:09:04                                   | 9:10:05                                  | 0:01:01  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 9:10:13                                   | 9:11:04                                  | 0:00:51  | WBR                                                         | WBR                                                  |
| White            | SUV          | 9:10:30                                   | X                                        |          | EBL                                                         | X                                                    |
| Grey             | SUV          | 9:11:15                                   | 9:12:20                                  | 0:01:05  | WBR                                                         | WBR                                                  |
| White            | Truck        | 9:11:20                                   | X                                        |          | EBL                                                         | X                                                    |
| White            | Sedan        | 9:11:25                                   | X                                        |          | WBR                                                         | X                                                    |
| Silver           | Truck        | 9:11:31                                   | X                                        |          | EBL                                                         | X                                                    |
| Black            | Sedan        | 9:11:56                                   | 9:12:41                                  | 0:00:45  | EBL                                                         | WBR                                                  |
| White            | Truck        | 9:12:18                                   | 9:13:03                                  | 0:00:45  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 9:13:28                                   | 9:14:24                                  | 0:00:56  | WBR                                                         | WBR                                                  |
| White            | SUV          | 9:13:36                                   | X                                        |          | WBR                                                         | X                                                    |
| Grey             | Sedan        | 9:15:15                                   | 9:16:21                                  | 0:01:06  | EBL                                                         | WBR                                                  |
| Yellow           | Truck        | 9:15:58                                   | 9:16:55                                  | 0:00:57  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 9:16:02                                   | X                                        |          | WBR                                                         | X                                                    |
| Silver           | SUV          | 9:16:20                                   | 9:17:26                                  | 0:01:06  | WBR                                                         | WBR                                                  |
| White            | SUV          | 9:16:34                                   | X                                        |          | WBR                                                         | X                                                    |
| Silver           | Sedan        | 9:16:36                                   | 9:17:32                                  | 0:00:56  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 9:16:53                                   | 9:18:06                                  | 0:01:13  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 9:17:09                                   | 9:18:42                                  | 0:01:33  | EBL                                                         | WBL                                                  |
| Black            | Sedan        | 9:17:35                                   | 9:18:33                                  | 0:00:58  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 9:18:02                                   | 9:18:59                                  | 0:00:57  | WBR                                                         | WBR                                                  |
| Silver           | SUV          | 9:18:05                                   | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 9:18:26                                   | 9:19:30                                  | 0:01:04  | WBR                                                         | WBR                                                  |

Northbound - Starting from Knapp Dr & Theodore St

Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Black            | Sedan        | 9:18:30                                   | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 9:18:33                                   | 9:19:40                                  | 0:01:07  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 9:18:50                                   | 9:19:44                                  | 0:00:54  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 9:19:20                                   | X                                        |          | WBR                                                         | X                                                    |
| Silver           | SUV          | 9:19:22                                   | 9:20:22                                  | 0:01:00  | WBR                                                         | WBR                                                  |
| White            | SUV          | 9:19:26                                   | 9:20:25                                  | 0:00:59  | WBR                                                         | WBR                                                  |
| White            | Van          | 9:20:25                                   | 9:21:23                                  | 0:00:58  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 9:20:28                                   | 9:21:26                                  | 0:00:58  | WBR                                                         | WBR                                                  |
| Red              | Truck        | 9:20:30                                   | 9:21:28                                  | 0:00:58  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 9:20:57                                   | X                                        |          | EBL                                                         | X                                                    |
| White            | SUV          | 9:21:08                                   | 9:22:04                                  | 0:00:56  | WBR                                                         | WBR                                                  |
| Sky Blue         | Sedan        | 9:21:28                                   | 9:22:24                                  | 0:00:56  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 9:21:41                                   | 9:22:34                                  | 0:00:53  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 9:22:28                                   | 9:23:15                                  | 0:00:47  | WBR                                                         | WBR                                                  |
| Blue             | SUV          | 9:24:27                                   | 9:25:21                                  | 0:00:54  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 9:24:37                                   | 9:25:34                                  | 0:00:57  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 9:24:41                                   | 9:25:38                                  | 0:00:57  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 9:24:43                                   | X                                        |          | WBR                                                         | X                                                    |
| Grey             | Van          | 9:24:59                                   | 9:25:59                                  | 0:01:00  | EBL                                                         | WBR                                                  |
| Green            | SUV          | 9:25:29                                   | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 9:25:35                                   | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 9:26:11                                   | 9:26:59                                  | 0:00:48  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 9:26:15                                   | 9:27:07                                  | 0:00:52  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 9:26:18                                   | X                                        |          | WBR                                                         | X                                                    |
| Red              | SUV          | 9:26:30                                   | X                                        |          | EBL                                                         | X                                                    |
| Red              | Sedan        | 9:26:51                                   | 9:27:50                                  | 0:00:59  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 9:27:06                                   | X                                        |          | EBL                                                         | X                                                    |
| Black            | Sedan        | 9:27:26                                   | 9:28:12                                  | 0:00:46  | EBL                                                         | WBR                                                  |
| White            | Sedan        | 9:27:53                                   | 9:28:46                                  | 0:00:53  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 9:28:37                                   | 9:29:29                                  | 0:00:52  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 9:28:45                                   | X                                        |          | WBR                                                         | X                                                    |
| Red              | Van          | 9:28:49                                   | X                                        |          | EBL                                                         | X                                                    |
| Black            | Sedan        | 9:29:40                                   | 9:30:31                                  | 0:00:51  | WBR                                                         | WBR                                                  |
| Silver           | SUV          | 9:30:21                                   | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 9:30:23                                   | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 9:30:33                                   | 9:32:06                                  | 0:01:33  | WBR                                                         | WBR                                                  |
| Grey             | Truck        | 9:31:09                                   | 9:32:09                                  | 0:01:00  | EBL                                                         | WBR                                                  |
| White            | SUV          | 9:31:23                                   | 9:32:18                                  | 0:00:55  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 9:31:53                                   | 9:32:46                                  | 0:00:53  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 9:31:57                                   | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 9:32:27                                   | X                                        |          | EBL                                                         | X                                                    |
| Black            | Sedan        | 9:32:31                                   | 9:33:17                                  | 0:00:46  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 9:32:35                                   | 9:33:27                                  | 0:00:52  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 9:32:39                                   | X                                        |          | EBL                                                         | X                                                    |
| Black            | Truck        | 9:33:26                                   | 9:34:30                                  | 0:01:04  | WBR                                                         | WBL                                                  |
| White            | Truck        | 9:33:38                                   | 9:34:32                                  | 0:00:54  | WBR                                                         | WBR                                                  |
| Blue             | SUV          | 9:34:26                                   | 9:35:26                                  | 0:01:00  | WBR                                                         | WBR                                                  |
| White            | SUV          | 9:35:05                                   | X                                        |          | EBL                                                         | X                                                    |
| Grey             | SUV          | 9:35:09                                   | X                                        |          | EBL                                                         | X                                                    |
| Silver           | Truck        | 9:38:22                                   | X                                        |          | EBL                                                         | X                                                    |
| Grey             | SUV          | 9:41:02                                   | X                                        |          | EBL                                                         | X                                                    |
| Grey             | SUV          | 9:41:19                                   | 9:42:26                                  | 0:01:07  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 9:41:46                                   | 9:42:44                                  | 0:00:58  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 9:41:48                                   | X                                        |          | WBR                                                         | X                                                    |



Northbound - Starting from Knapp Dr & Theodore St

Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Grey             | Truck        | 9:41:54                                   | 9:42:55                                  | 0:01:01  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 9:42:35                                   | 9:43:23                                  | 0:00:48  | WBR                                                         | WBR                                                  |
| Silver           | SUV          | 9:43:05                                   | X                                        |          | EBL                                                         | X                                                    |
| Grey             | Sedan        | 9:43:30                                   | 9:44:23                                  | 0:00:53  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 9:43:34                                   | 9:44:33                                  | 0:00:59  | WBR                                                         | WBR                                                  |
| White            | Van          | 9:43:43                                   | 9:44:38                                  | 0:00:55  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 9:44:03                                   | X                                        |          | EBL                                                         | X                                                    |
| White            | Sedan        | 9:44:22                                   | 9:45:20                                  | 0:00:58  | EBL                                                         | WBR                                                  |
| White            | SUV          | 9:44:26                                   | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 9:44:28                                   | 9:45:22                                  | 0:00:54  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 9:44:30                                   | 9:45:32                                  | 0:01:02  | WBR                                                         | WBR                                                  |
| Blue             | Sedan        | 9:44:51                                   | 9:45:43                                  | 0:00:52  | EBL                                                         | WBR                                                  |
| Grey             | SUV          | 9:45:20                                   | 9:46:11                                  | 0:00:51  | WBR                                                         | WBR                                                  |
| White            | SUV          | 9:45:22                                   | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 9:45:44                                   | 9:46:38                                  | 0:00:54  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 9:45:48                                   | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 9:47:00                                   | X                                        |          | EBL                                                         | X                                                    |
| White            | SUV          | 9:47:15                                   | X                                        |          | EBL                                                         | X                                                    |
| Black            | Sedan        | 9:47:28                                   | X                                        |          | WBR                                                         | X                                                    |
| Red              | SUV          | 9:48:22                                   | 9:49:18                                  | 0:00:56  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 9:48:24                                   | 9:49:23                                  | 0:00:59  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 9:48:26                                   | X                                        |          | WBR                                                         | X                                                    |
| Red              | SUV          | 9:48:44                                   | 9:49:38                                  | 0:00:54  | WBR                                                         | WBR                                                  |
| Blue             | SUV          | 9:49:00                                   | 9:50:20                                  | 0:01:20  | WBR                                                         | WBR                                                  |
| White            | Van          | 9:49:05                                   | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 9:49:13                                   | X                                        |          | EBL                                                         | X                                                    |
| Grey             | Truck        | 9:49:18                                   | 9:50:25                                  | 0:01:07  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 9:49:42                                   | X                                        |          | WBR                                                         | X                                                    |
| Brown            | Sedan        | 9:50:23                                   | X                                        |          | WBR                                                         | X                                                    |
| Grey             | Sedan        | 9:50:25                                   | 9:51:23                                  | 0:00:58  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 9:50:31                                   | X                                        |          | EBL                                                         | X                                                    |
| White            | SUV          | 9:50:38                                   | X                                        |          | EBL                                                         | X                                                    |
| Gold             | SUV          | 9:50:53                                   | 9:51:50                                  | 0:00:57  | EBL                                                         | WBR                                                  |
| Grey             | Truck        | 9:51:03                                   | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 9:51:09                                   | 9:52:30                                  | 0:01:21  | WBR                                                         | WBR                                                  |
| Red              | Sedan        | 9:52:20                                   | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 9:52:24                                   | X                                        |          | EBL                                                         | X                                                    |
| White            | SUV          | 9:52:35                                   | 9:53:53                                  | 0:01:18  | WBR                                                         | WBL                                                  |
| Brown            | Sedan        | 9:52:42                                   | 9:53:54                                  | 0:01:12  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 9:52:56                                   | X                                        |          | WBR                                                         | X                                                    |
| White            | SUV          | 9:53:17                                   | 9:54:08                                  | 0:00:51  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 9:53:27                                   | 9:54:17                                  | 0:00:50  | EBL                                                         | WBR                                                  |
| Grey             | SUV          | 9:53:32                                   | X                                        |          | EBL                                                         | X                                                    |
| White            | Sedan        | 9:53:43                                   | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 9:55:22                                   | 9:56:25                                  | 0:01:03  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 9:56:10                                   | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 9:56:41                                   | 9:57:25                                  | 0:00:44  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 9:56:49                                   | 9:57:51                                  | 0:01:02  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 9:57:28                                   | 9:58:32                                  | 0:01:04  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 9:57:31                                   | X                                        |          | EBL                                                         | X                                                    |
| White            | Truck        | 9:58:16                                   | X                                        |          | WBR                                                         | X                                                    |
| White            | Sedan        | 9:58:30                                   | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 9:58:46                                   | X                                        |          | EBL                                                         | X                                                    |
| Red              | Truck        | 9:59:02                                   | 10:00:01                                 | 0:00:59  | EBL                                                         | WBR                                                  |

Northbound - Starting from Knapp Dr & Theodore St  
Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at Knapp Dr & Theodore St | Timestamp at Larkin Ave & Knapp Dr | Duration | Knapp Dr & Theodore St Movement (EBL, NBT, or WBR) | Larkin Ave & Knapp Dr Movement (WBR or WBL) |
|------------------|--------------|-------------------------------------|------------------------------------|----------|----------------------------------------------------|---------------------------------------------|
| White            | Sedan        | 9:59:18                             | 10:00:31                           | 0:01:13  | WBR                                                | WBR                                         |
| White            | Sedan        | 10:00:28                            | X                                  |          | WBR                                                | X                                           |
| Grey             | Sedan        | 10:00:35                            | 10:01:28                           | 0:00:53  | WBR                                                | WBR                                         |
| White            | Sedan        | 10:01:05                            | 10:02:03                           | 0:00:58  | WBR                                                | WBR                                         |
| White            | SUV          | 10:01:10                            | 10:02:25                           | 0:01:15  | WBR                                                | WBR                                         |
| Black            | SUV          | 10:01:31                            | 10:02:35                           | 0:01:04  | WBR                                                | WBR                                         |
| Grey             | SUV          | 10:02:26                            | 10:03:14                           | 0:00:48  | WBR                                                | WBR                                         |
| Black            | SUV          | 10:02:29                            | X                                  |          | WBR                                                | X                                           |
| Grey             | SUV          | 10:02:50                            | 10:03:35                           | 0:00:45  | WBR                                                | WBR                                         |
| Grey             | Sedan        | 10:02:54                            | X                                  |          | EBL                                                | X                                           |
| Black            | Sedan        | 10:03:22                            | 10:04:29                           | 0:01:07  | WBR                                                | WBR                                         |
| White            | SUV          | 10:03:29                            | X                                  |          | WBR                                                | X                                           |
| White            | SUV          | 10:03:46                            | 10:04:40                           | 0:00:54  | WBR                                                | WBR                                         |
| Grey             | SUV          | 10:04:25                            | X                                  |          | WBR                                                | X                                           |
| Brown            | SUV          | 10:04:32                            | X                                  |          | EBL                                                | X                                           |
| Blue             | SUV          | 10:04:40                            | 10:05:50                           | 0:01:10  | WBR                                                | WBR                                         |
| Grey             | SUV          | 10:04:50                            | X                                  |          | EBL                                                | X                                           |
| Black            | SUV          | 10:04:54                            | X                                  |          | EBL                                                | X                                           |
| Silver           | Sedan        | 10:05:06                            | X                                  |          | WBR                                                | X                                           |
| Silver           | Sedan        | 10:05:24                            | X                                  |          | EBL                                                | X                                           |
| Red              | Sedan        | 10:05:57                            | 10:06:49                           | 0:00:52  | WBR                                                | WBR                                         |
| Brown            | SUV          | 10:06:33                            | 10:07:24                           | 0:00:51  | EBL                                                | WBR                                         |
| Black            | SUV          | 10:06:49                            | X                                  |          | WBR                                                | X                                           |
| Black            | SUV          | 10:08:20                            | 10:09:15                           | 0:00:55  | WBR                                                | WBR                                         |
| Black            | SUV          | 10:08:27                            | 10:09:21                           | 0:00:54  | WBR                                                | WBR                                         |
| Black            | SUV          | 10:08:50                            | 10:09:37                           | 0:00:47  | WBR                                                | WBR                                         |
| Black            | Sedan        | 10:09:54                            | X                                  |          | WBR                                                | X                                           |
| Black            | Truck        | 10:10:15                            | X                                  |          | WBR                                                | X                                           |
| White            | SUV          | 10:11:00                            | X                                  |          | EBL                                                | X                                           |
| White            | SUV          | 10:11:03                            | X                                  |          | EBL                                                | X                                           |
| Blue             | SUV          | 10:11:05                            | 10:12:18                           | 0:01:13  | EBL                                                | WBR                                         |
| White            | SUV          | 10:11:30                            | X                                  |          | WBR                                                | X                                           |
| Silver           | Sedan        | 10:11:41                            | 10:12:41                           | 0:01:00  | EBL                                                | WBR                                         |
| Red              | SUV          | 10:12:13                            | X                                  |          | WBR                                                | X                                           |
| Black            | Sedan        | 10:12:28                            | 10:13:18                           | 0:00:50  | WBR                                                | WBR                                         |
| Black            | SUV          | 10:14:10                            | 10:15:07                           | 0:00:57  | WBR                                                | WBR                                         |
| Blue             | SUV          | 10:15:20                            | 10:16:52                           | 0:01:32  | WBR                                                | WBR                                         |
| Grey             | Sedan        | 10:16:03                            | X                                  |          | EBL                                                | X                                           |
| White            | SUV          | 10:16:18                            | X                                  |          | EBL                                                | X                                           |
| Black            | Sedan        | 10:16:30                            | 10:17:17                           | 0:00:47  | WBR                                                | WBR                                         |
| Silver           | SUV          | 10:16:44                            | 10:17:35                           | 0:00:51  | WBR                                                | WBR                                         |
| Black            | SUV          | 10:16:50                            | 10:17:44                           | 0:00:54  | WBR                                                | WBR                                         |
| Black            | SUV          | 10:17:23                            | 10:18:23                           | 0:01:00  | WBR                                                | WBR                                         |
| Black            | SUV          | 10:17:27                            | 10:18:26                           | 0:00:59  | WBR                                                | WBR                                         |
| White            | SUV          | 10:17:33                            | 10:18:30                           | 0:00:57  | EBL                                                | WBR                                         |
| Black            | SUV          | 10:17:52                            | X                                  |          | WBR                                                | X                                           |
| White            | Sedan        | 10:18:16                            | X                                  |          | EBL                                                | X                                           |
| Black            | SUV          | 10:19:40                            | X                                  |          | EBL                                                | X                                           |
| Black            | SUV          | 10:20:07                            | 10:21:07                           | 0:01:00  | WBR                                                | WBR                                         |
| White            | Sedan        | 10:20:23                            | X                                  |          | WBR                                                | X                                           |
| Blue             | Sedan        | 10:21:35                            | 10:22:27                           | 0:00:52  | WBR                                                | WBR                                         |
| White            | Sedan        | 10:21:51                            | 10:22:59                           | 0:01:08  | EBL                                                | WBR                                         |
| White            | Truck        | 10:22:17                            | 10:23:04                           | 0:00:47  | EBL                                                | WBR                                         |
| White            | SUV          | 10:22:40                            | 10:23:30                           | 0:00:50  | WBR                                                | WBR                                         |



Northbound - Starting from Knapp Dr & Theodore St  
Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at Knapp Dr & Theodore St | Timestamp at Larkin Ave & Knapp Dr | Duration | Knapp Dr & Theodore St Movement (EBL, NBT, or WBR) | Larkin Ave & Knapp Dr Movement (WBR or WBL) |
|------------------|--------------|-------------------------------------|------------------------------------|----------|----------------------------------------------------|---------------------------------------------|
| White            | Sedan        | 10:23:01                            | 10:24:13                           | 0:01:12  | EBL                                                | WBR                                         |
| Silver           | SUV          | 10:23:06                            | X                                  |          | WBR                                                | x                                           |
| Grey             | SUV          | 10:23:08                            | 10:24:19                           | 0:01:11  | EBL                                                | WBR                                         |
| Black            | SUV          | 10:23:21                            | 10:24:29                           | 0:01:08  | WBR                                                | WBR                                         |
| White            | Van          | 10:24:03                            | 10:25:13                           | 0:01:10  | WBR                                                | WBR                                         |
| Red              | Sedan        | 10:24:53                            | X                                  |          | EBL                                                | X                                           |
| Grey             | SUV          | 10:25:13                            | X                                  |          | WBR                                                | X                                           |
| Grey             | SUV          | 10:28:31                            | X                                  |          | EBL                                                | X                                           |
| Yellow           | Sedan        | 10:28:37                            | 10:29:29                           | 0:00:52  | WBR                                                | WBR                                         |
| Black            | SUV          | 10:28:56                            | 10:30:06                           | 0:01:10  | WBR                                                | WBR                                         |
| Grey             | Sedan        | 10:28:59                            | 10:30:16                           | 0:01:17  | EBL                                                | WBR                                         |
| Black            | Truck        | 10:29:24                            | 10:30:26                           | 0:01:02  | WBR                                                | WBR                                         |
| Black            | Sedan        | 10:31:03                            | 10:31:58                           | 0:00:55  | WBR                                                | WBR                                         |
| Black            | Sedan        | 10:31:13                            | X                                  |          | EBL                                                | X                                           |
| Grey             | SUV          | 10:31:22                            | X                                  |          | EBL                                                | X                                           |
| Black            | Sedan        | 10:32:47                            | 10:33:44                           | 0:00:57  | EBL                                                | WBR                                         |
| Black            | Truck        | 10:33:41                            | 10:34:44                           | 0:01:03  | WBR                                                | WBR                                         |
| White            | SUV          | 10:34:33                            | 10:35:33                           | 0:01:00  | WBR                                                | WBR                                         |
| Grey             | SUV          | 10:35:22                            | X                                  |          | EBL                                                | X                                           |
| Grey             | SUV          | 10:36:24                            | 10:37:32                           | 0:01:08  | WBR                                                | WBR                                         |
| Red              | Sedan        | 10:36:52                            | 10:38:11                           | 0:01:19  | WBR                                                | WBR                                         |
| White            | SUV          | 10:37:23                            | 10:38:26                           | 0:01:03  | EBL                                                | WBL                                         |
| White            | Van          | 10:38:34                            | X                                  |          | WBR                                                | X                                           |
| Black            | SUV          | 10:38:45                            | 10:40:06                           | 0:01:21  | WBR                                                | WBR                                         |
| Grey             | Sedan        | 10:38:49                            | 10:40:09                           | 0:01:20  | WBR                                                | WBR                                         |
| White            | Truck        | 10:38:51                            | 10:40:13                           | 0:01:22  | WBR                                                | WBR                                         |
| Blue             | Sedan        | 10:38:53                            | X                                  |          | WBR                                                | X                                           |
| Grey             | SUV          | 10:39:11                            | 10:40:27                           | 0:01:16  | EBL                                                | WBR                                         |
| Black            | SUV          | 10:40:18                            | 10:41:16                           | 0:00:58  | WBR                                                | WBR                                         |
| Red              | SUV          | 10:40:33                            | X                                  |          | EBL                                                | X                                           |
| Black            | SUV          | 10:42:40                            | 10:44:01                           | 0:01:21  | EBL                                                | WBR                                         |
| Grey             | SUV          | 10:42:43                            | X                                  |          | EBL                                                | X                                           |
| Black            | Sedan        | 10:44:15                            | X                                  |          | WBR                                                | X                                           |
| Grey             | Sedan        | 10:44:35                            | X                                  |          | EBL                                                | X                                           |
| Red              | Sedan        | 10:45:32                            | 10:46:30                           | 0:00:58  | WBR                                                | WBR                                         |
| White            | Sedan        | 10:45:48                            | X                                  |          | WBR                                                | X                                           |
| Grey             | SUV          | 10:45:59                            | 10:46:54                           | 0:00:55  | EBL                                                | WBR                                         |
| Black            | Sedan        | 10:48:13                            | 10:49:04                           | 0:00:51  | WBR                                                | WBR                                         |
| Grey             | Truck        | 10:48:18                            | 10:49:08                           | 0:00:50  | WBR                                                | WBR                                         |
| Grey             | Sedan        | 10:49:08                            | X                                  |          | WBR                                                | X                                           |
| Grey             | Sedan        | 10:49:39                            | 10:50:36                           | 0:00:57  | WBR                                                | WBR                                         |
| Silver           | Sedan        | 10:49:42                            | 10:50:39                           | 0:00:57  | WBR                                                | WBR                                         |
| Blue             | Sedan        | 10:50:49                            | 10:51:49                           | 0:01:00  | WBR                                                | WBR                                         |
| Silver           | Sedan        | 10:51:05                            | 10:51:51                           | 0:00:46  | WBR                                                | WBR                                         |
| Black            | Truck        | 10:51:07                            | x                                  |          | EBL                                                | x                                           |
| Black            | Truck        | 10:51:27                            | x                                  |          | EBL                                                | x                                           |
| Black            | Sedan        | 10:51:46                            | x                                  |          | WBR                                                | x                                           |
| Black            | Truck        | 10:51:48                            | 10:52:55                           | 0:01:07  | WBR                                                | WBR                                         |
| Black            | Truck        | 10:52:39                            | 10:53:25                           | 0:00:46  | EBL                                                | WBR                                         |
| White            | Truck        | 10:52:55                            | 10:53:55                           | 0:01:00  | WBR                                                | WBR                                         |
| White            | SUV          | 10:53:07                            | 10:53:58                           | 0:00:51  | WBR                                                | WBR                                         |
| Black            | SUV          | 10:54:32                            | 10:55:20                           | 0:00:48  | WBR                                                | WBR                                         |
| White            | SUV          | 10:55:03                            | 10:56:05                           | 0:01:02  | EBL                                                | WBR                                         |
| White            | Sedan        | 10:55:11                            | X                                  |          | EBL                                                | X                                           |

Northbound - Starting from Knapp Dr & Theodore St  
Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Black            | SUV          | 10:56:15                                  | 10:57:14                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| White            | SUV          | 10:57:52                                  | 10:58:46                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 10:59:23                                  | 11:00:28                                 | 0:01:05  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 10:59:25                                  | 11:00:29                                 | 0:01:04  | WBR                                                         | WBR                                                  |
| Brown            | SUV          | 10:59:27                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | SUV          | 10:59:43                                  | 11:00:51                                 | 0:01:08  | EBL                                                         | WBR                                                  |
| White            | SUV          | 11:00:22                                  | 11:01:53                                 | 0:01:31  | EBL                                                         | WBR                                                  |
| Grey             | Sedan        | 11:00:25                                  | 11:02:00                                 | 0:01:35  | EBL                                                         | WBR                                                  |
| White            | SUV          | 11:00:27                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 11:00:59                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 11:01:23                                  | 11:02:19                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| White            | Van          | 11:01:34                                  | 11:02:40                                 | 0:01:06  | WBR                                                         | WBR                                                  |
| White            | SUV          | 11:01:50                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | Sedan        | 11:03:07                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 11:03:10                                  | 11:04:19                                 | 0:01:09  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 11:03:46                                  | 11:04:42                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 11:03:48                                  | 11:04:45                                 | 0:00:57  | NBT                                                         | WBR                                                  |
| Black            | SUV          | 11:04:24                                  | 11:05:58                                 | 0:01:34  | WBR                                                         | WBR                                                  |
| Blue             | Crossover    | 11:04:39                                  | 11:06:06                                 | 0:01:27  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 11:04:53                                  | 11:06:20                                 | 0:01:27  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 11:04:58                                  | 11:06:28                                 | 0:01:30  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 11:05:01                                  | 11:06:32                                 | 0:01:31  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 11:05:44                                  | 11:06:36                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 11:06:04                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 11:07:40                                  | 11:08:41                                 | 0:01:01  | WBR                                                         | WBR                                                  |
| Black            | Crossover    | 11:07:53                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 11:08:25                                  | 11:09:23                                 | 0:00:58  | EBL                                                         | WBL                                                  |
| White            | Van          | 11:09:03                                  | 11:10:01                                 | 0:00:58  | EBL                                                         | WBR                                                  |
| Grey             | Sedan        | 11:09:25                                  | 11:10:18                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| Meroon           | SUV          | 11:09:28                                  | 11:10:21                                 | 0:00:53  | EBL                                                         | WBR                                                  |
| Grey             | SUV          | 11:09:36                                  | 11:10:45                                 | 0:01:09  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 11:09:42                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | Van          | 11:10:34                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | SUV          | 11:10:37                                  | X                                        |          | EBL                                                         | X                                                    |
| Grey             | Van          | 11:11:03                                  | 11:12:17                                 | 0:01:14  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 11:11:39                                  | 11:12:36                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 11:12:48                                  | X                                        |          | WBR                                                         | X                                                    |
| Blue             | SUV          | 11:13:07                                  | 11:14:11                                 | 0:01:04  | WBR                                                         | WBR                                                  |
| Grey             | Truck        | 11:13:15                                  | 11:14:18                                 | 0:01:03  | WBR                                                         | WBR                                                  |
| White            | SUV          | 11:13:18                                  | X                                        |          | EBL                                                         | X                                                    |
| Grey             | SUV          | 11:13:44                                  | 11:14:40                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 11:14:25                                  | 11:15:13                                 | 0:00:48  | WBR                                                         | WBR                                                  |
| White            | Bus          | 11:14:38                                  | 11:16:07                                 | 0:01:29  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 11:14:42                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | Truck        | 11:15:12                                  | 11:16:24                                 | 0:01:12  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 11:15:28                                  | 11:16:26                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 11:16:44                                  | 11:18:18                                 | 0:01:34  | WBR                                                         | WBR                                                  |
| White            | SUV          | 11:16:58                                  | 11:18:23                                 | 0:01:25  | EBL                                                         | WBR                                                  |
| Black            | Heavy        | 11:17:00                                  | 11:18:26                                 | 0:01:26  | EBL                                                         | WBR                                                  |
| White            | Sedan        | 11:17:16                                  | 11:18:29                                 | 0:01:13  | WBR                                                         | WBR                                                  |
| White            | Truck        | 11:17:22                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Truck        | 11:17:27                                  | 11:18:35                                 | 0:01:08  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 11:17:29                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | SUV          | 11:18:24                                  | X                                        |          | EBL                                                         | X                                                    |



Northbound - Starting from Knapp Dr & Theodore St

Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at Knapp Dr & Theodore St | Timestamp at Larkin Ave & Knapp Dr | Duration | Knapp Dr & Theodore St Movement (EBL, NBT, or WBR) | Larkin Ave & Knapp Dr Movement (WBR or WBL) |
|------------------|--------------|-------------------------------------|------------------------------------|----------|----------------------------------------------------|---------------------------------------------|
| White            | SUV          | 11:18:51                            | 11:20:13                           | 0:01:22  | WBR                                                | WBR                                         |
| Black            | Sedan        | 11:19:09                            | 11:20:17                           | 0:01:08  | WBR                                                | WBR                                         |
| Meroon           | SUV          | 11:19:24                            | X                                  |          | WBR                                                | X                                           |
| Black            | Truck        | 11:19:39                            | X                                  |          | WBR                                                | X                                           |
| Black            | Sedan        | 11:20:19                            | X                                  |          | WBR                                                | X                                           |
| White            | Sedan        | 11:21:00                            | X                                  |          | EBL                                                | X                                           |
| Grey             | SUV          | 11:21:28                            | X                                  |          | WBR                                                | X                                           |
| Black            | Crossover    | 11:22:18                            | X                                  |          | EBL                                                | X                                           |
| Black            | Truck        | 11:22:48                            | 11:23:37                           | 0:00:49  | WBR                                                | WBR                                         |
| Blue             | SUV          | 11:23:04                            | 11:24:11                           | 0:01:07  | EBL                                                | WBR                                         |
| Grey             | SUV          | 11:24:09                            | 11:25:08                           | 0:00:59  | WBR                                                | WBR                                         |
| Grey             | Sedan        | 11:24:11                            | 11:25:11                           | 0:01:00  | WBR                                                | WBR                                         |
| White            | SUV          | 11:24:13                            | 11:25:15                           | 0:01:02  | WBR                                                | WBR                                         |
| Meroon           | SUV          | 11:24:19                            | X                                  |          | EBL                                                | X                                           |
| Black            | Sedan        | 11:24:28                            | 11:25:27                           | 0:00:59  | WBR                                                | WBR                                         |
| Grey             | Crossover    | 11:24:49                            | 11:25:56                           | 0:01:07  | WBR                                                | WBR                                         |
| Meroon           | SUV          | 11:24:53                            | X                                  |          | EBL                                                | X                                           |
| Black            | Truck        | 11:25:28                            | 11:26:22                           | 0:00:54  | WBR                                                | WBR                                         |
| White            | Sedan        | 11:26:35                            | X                                  |          | WBR                                                | X                                           |
| Blue             | Sedan        | 11:26:55                            | X                                  |          | EBL                                                | X                                           |
| Grey             | SUV          | 11:27:49                            | X                                  |          | EBL                                                | X                                           |
| White            | SUV          | 11:28:13                            | 11:29:03                           | 0:00:50  | WBR                                                | WBR                                         |
| Grey             | SUV          | 11:28:15                            | 11:29:06                           | 0:00:51  | WBR                                                | WBR                                         |
| Black            | SUV          | 11:28:20                            | 11:29:16                           | 0:00:56  | WBR                                                | WBR                                         |
| White            | SUV          | 11:30:04                            | 11:31:03                           | 0:00:59  | WBR                                                | WBR                                         |
| Meroon           | SUV          | 11:30:45                            | X                                  |          | EBL                                                | X                                           |
| Grey             | Sedan        | 11:31:25                            | 11:32:25                           | 0:01:00  | WBR                                                | WBR                                         |
| Black            | Crossover    | 11:31:36                            | 11:32:28                           | 0:00:52  | WBR                                                | WBR                                         |
| White            | Sedan        | 11:31:48                            | 11:32:36                           | 0:00:48  | WBR                                                | WBR                                         |
| Grey             | SUV          | 11:32:06                            | 11:32:56                           | 0:00:50  | EBL                                                | WBR                                         |
| Black            | Truck        | 11:33:02                            | 11:33:51                           | 0:00:49  | WBR                                                | WBR                                         |
| White            | Sedan        | 11:33:18                            | 11:34:22                           | 0:01:04  | WBR                                                | WBR                                         |
| Meroon           | Sedan        | 11:33:21                            | X                                  |          | EBL                                                | X                                           |
| Black            | Truck        | 11:34:50                            | X                                  |          | WBR                                                | X                                           |
| White            | SUV          | 11:35:45                            | X                                  |          | EBL                                                | X                                           |
| Meroon           | Truck        | 11:36:17                            | 11:37:09                           | 0:00:52  | WBR                                                | WBR                                         |
| Black            | Sedan        | 11:36:51                            | X                                  |          | EBL                                                | X                                           |
| Grey             | SUV          | 11:36:57                            | 11:38:07                           | 0:01:10  | WBR                                                | WBR                                         |
| Grey             | SUV          | 11:37:48                            | X                                  |          | WBR                                                | X                                           |
| Grey             | Truck        | 11:38:13                            | 11:39:06                           | 0:00:53  | WBR                                                | WBR                                         |
| Grey             | Sedan        | 11:38:25                            | 11:39:20                           | 0:00:55  | EBL                                                | WBR                                         |
| Grey             | Truck        | 11:38:40                            | 11:39:23                           | 0:00:43  | EBL                                                | WBR                                         |
| Black            | SUV          | 11:38:52                            | 11:39:49                           | 0:00:57  | WBR                                                | WBR                                         |
| White            | Sedan        | 11:38:58                            | 11:40:04                           | 0:01:06  | WBR                                                | WBR                                         |
| Meroon           | Sedan        | 11:39:28                            | 11:40:38                           | 0:01:10  | WBR                                                | WBR                                         |
| Grey             | Sedan        | 11:40:49                            | 11:41:57                           | 0:01:08  | WBR                                                | WBR                                         |
| White            | Truck        | 11:41:03                            | 11:42:40                           | 0:01:37  | WBR                                                | WBR                                         |
| Black            | Sedan        | 11:42:33                            | X                                  |          | EBL                                                | X                                           |
| Black            | Sedan        | 11:43:09                            | 11:43:55                           | 0:00:46  | WBR                                                | WBR                                         |
| Grey             | SUV          | 11:44:06                            | 11:45:10                           | 0:01:04  | WBR                                                | WBR                                         |
| Blue             | Truck        | 11:44:16                            | 11:45:30                           | 0:01:14  | WBR                                                | WBR                                         |
| Grey             | SUV          | 11:44:25                            | 11:45:34                           | 0:01:09  | EBL                                                | WBR                                         |
| Meroon           | SUV          | 11:44:32                            | 11:46:01                           | 0:01:29  | WBR                                                | WBR                                         |
| Black            | SUV          | 11:45:39                            | X                                  |          | EBL                                                | X                                           |

Northbound - Starting from Knapp Dr & Theodore St  
Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| White            | SUV          | 11:46:05                                  | 11:46:59                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| Meroon           | SUV          | 11:46:32                                  | 11:47:42                                 | 0:01:10  | EBL                                                         | WBR                                                  |
| Grey             | Sedan        | 11:46:59                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 11:47:01                                  | 11:48:05                                 | 0:01:04  | WBR                                                         | WBR                                                  |
| White            | SUV          | 11:47:05                                  | 11:48:13                                 | 0:01:08  | WBR                                                         | WBR                                                  |
| White            | SUV          | 11:47:36                                  | 11:48:33                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Blue             | Sedan        | 11:47:43                                  | 11:48:37                                 | 0:00:54  | EBL                                                         | WBR                                                  |
| White            | SUV          | 11:48:50                                  | X                                        |          | WBR                                                         | X                                                    |
| Meroon           | SUV          | 11:49:06                                  | 11:50:18                                 | 0:01:12  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 11:49:12                                  | 11:50:23                                 | 0:01:11  | WBR                                                         | WBR                                                  |
| Blue             | SUV          | 11:49:23                                  | 11:50:29                                 | 0:01:06  | EBL                                                         | WBR                                                  |
| Grey             | SUV          | 11:49:26                                  | X                                        |          | EBL                                                         | X                                                    |
| Grey             | SUV          | 11:49:35                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | Crossover    | 11:49:53                                  | 11:50:42                                 | 0:00:49  | WBR                                                         | WBR                                                  |
| White            | SUV          | 11:50:44                                  | 11:52:24                                 | 0:01:40  | WBR                                                         | WBR                                                  |
| Blue             | SUV          | 11:50:59                                  | 11:52:28                                 | 0:01:29  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 11:51:20                                  | 11:52:32                                 | 0:01:12  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 11:51:23                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | Van          | 11:51:40                                  | 11:52:44                                 | 0:01:04  | EBL                                                         | WBR                                                  |
| Grey             | SUV          | 11:51:57                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | Sedan        | 11:52:37                                  | 11:53:31                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 11:53:24                                  | 11:54:20                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| White            | Van          | 11:53:40                                  | X                                        |          | WBR                                                         | X                                                    |
| Meroon           | Sedan        | 11:53:43                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 11:54:22                                  | X                                        |          | EBL                                                         | X                                                    |
| Grey             | SUV          | 11:54:59                                  | 11:56:05                                 | 0:01:06  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 11:55:31                                  | 11:56:27                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Red              | Truck        | 11:55:50                                  | 11:56:53                                 | 0:01:03  | WBR                                                         | WBR                                                  |
| Meroon           | SUV          | 11:56:01                                  | 11:56:58                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 11:56:05                                  | 11:57:07                                 | 0:01:02  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 11:56:26                                  | 11:57:22                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 11:56:59                                  | 11:58:11                                 | 0:01:12  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 11:57:23                                  | 11:58:18                                 | 0:00:55  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 11:57:38                                  | 11:58:30                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 11:57:43                                  | 11:58:40                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 11:58:14                                  | X                                        |          | WBR                                                         | X                                                    |
| Brown            | SUV          | 11:58:28                                  | 11:59:24                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 11:58:32                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 11:59:15                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Crossover    | 11:59:22                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Truck        | 11:59:51                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Crossover    | 11:59:57                                  | 12:01:02                                 | 0:01:05  | EBL                                                         | WBR                                                  |
| Black            | Crossover    | 12:00:38                                  | 12:02:27                                 | 0:01:49  | WBR                                                         | WBR                                                  |
| Blue             | SUV          | 12:01:44                                  | 12:02:42                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 12:01:50                                  | 12:02:46                                 | 0:00:56  | NBT                                                         | WBR                                                  |
| White            | SUV          | 12:02:16                                  | 12:03:16                                 | 0:01:00  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 12:02:30                                  | X                                        |          | EBL                                                         | X                                                    |
| Meroon           | Sedan        | 12:03:05                                  | 12:04:03                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 12:04:03                                  | 12:04:59                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Grey             | Crossover    | 12:04:32                                  | 12:05:22                                 | 0:00:50  | EBL                                                         | WBR                                                  |
| Grey             | Sedan        | 12:05:11                                  | 12:06:10                                 | 0:00:59  | EBL                                                         | WBR                                                  |
| Grey             | Sedan        | 12:05:20                                  | 12:06:13                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| Grey             | Crossover    | 12:05:39                                  | 12:06:38                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Yellow           | Bus          | 12:06:08                                  | 12:07:21                                 | 0:01:13  | WBR                                                         | WBR                                                  |



Northbound - Starting from Knapp Dr & Theodore St

Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Grey             | SUV          | 12:06:39                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | Sedan        | 12:07:14                                  | X                                        |          | WBR                                                         | X                                                    |
| Meroon           | Sedan        | 12:07:23                                  | 12:08:19                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Meroon           | Sedan        | 12:07:42                                  | 12:08:43                                 | 0:01:01  | WBR                                                         | WBR                                                  |
| White            | Truck        | 12:09:27                                  | 12:10:24                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| White            | SUV          | 12:09:49                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 12:09:55                                  | 12:11:06                                 | 0:01:11  | WBR                                                         | WBR                                                  |
| White            | SUV          | 12:10:00                                  | 12:11:09                                 | 0:01:09  | WBR                                                         | WBR                                                  |
| Black            | Bus          | 12:10:11                                  | 12:11:12                                 | 0:01:01  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 12:10:25                                  | 12:11:23                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 12:10:35                                  | X                                        |          | EBL                                                         | X                                                    |
| White & Blue     | Heavy        | 12:11:18                                  | 12:12:36                                 | 0:01:18  | WBR                                                         | WBR                                                  |
| Black            | Crossover    | 12:11:35                                  | 12:12:41                                 | 0:01:06  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 12:12:09                                  | 12:13:08                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 12:12:16                                  | 12:13:11                                 | 0:00:55  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 12:12:26                                  | 12:13:16                                 | 0:00:50  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 12:13:14                                  | X                                        |          | EBL                                                         | X                                                    |
| Meroon           | Truck        | 12:13:24                                  | 12:14:27                                 | 0:01:03  | WBR                                                         | WBR                                                  |
| Meroon           | Sedan        | 12:13:49                                  | 12:14:43                                 | 0:00:54  | EBL                                                         | WBR                                                  |
| Blue             | Sedan        | 12:13:52                                  | 12:14:47                                 | 0:00:55  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 12:14:01                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | SUV          | 12:14:21                                  | 12:15:12                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| White            | Crossover    | 12:14:23                                  | 12:15:14                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| Grey             | Crossover    | 12:14:25                                  | 12:15:23                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 12:14:37                                  | 12:15:27                                 | 0:00:50  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 12:15:14                                  | 12:16:24                                 | 0:01:10  | WBR                                                         | WBR                                                  |
| White            | Crossover    | 12:15:19                                  | 12:16:38                                 | 0:01:19  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 12:15:31                                  | 12:16:44                                 | 0:01:13  | WBR                                                         | WBR                                                  |
| Red              | Sedan        | 12:15:35                                  | 12:16:47                                 | 0:01:12  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 12:16:40                                  | 12:18:01                                 | 0:01:21  | WBR                                                         | WBR                                                  |
| Black            | Crossover    | 12:16:58                                  | 12:18:28                                 | 0:01:30  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 12:17:45                                  | 12:18:39                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 12:17:54                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Crossover    | 12:18:55                                  | 12:19:46                                 | 0:00:51  | EBL                                                         | WBR                                                  |
| White            | Sedan        | 12:18:58                                  | X                                        |          | EBL                                                         | X                                                    |
| Blue             | Crossover    | 12:19:33                                  | X                                        |          | WBR                                                         | X                                                    |
| Meroon           | SUV          | 12:19:34                                  | 12:20:34                                 | 0:01:00  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 12:20:06                                  | 12:20:52                                 | 0:00:46  | EBL                                                         | WBR                                                  |
| Grey             | Truck        | 12:20:30                                  | X                                        |          | EBL                                                         | X                                                    |
| Red              | Sedan        | 12:20:38                                  | 12:21:45                                 | 0:01:07  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 12:20:55                                  | 12:21:54                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Red              | Van          | 12:20:59                                  | 12:22:29                                 | 0:01:30  | WBR                                                         | WBL                                                  |
| Black            | SUV          | 12:21:01                                  | 12:21:57                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Meroon           | Crossover    | 12:21:07                                  | 12:22:21                                 | 0:01:14  | WBR                                                         | WBR                                                  |
| Blue             | Crossover    | 12:21:09                                  | 12:22:28                                 | 0:01:19  | WBR                                                         | WBR                                                  |
| White            | Van          | 12:21:14                                  | X                                        |          | EBL                                                         | X                                                    |
| Grey             | Truck        | 12:21:18                                  | 12:22:42                                 | 0:01:24  | EBL                                                         | WBR                                                  |
| Meroon           | Truck        | 12:21:43                                  | 12:22:46                                 | 0:01:03  | EBL                                                         | WBR                                                  |
| Grey             | Crossover    | 12:21:51                                  | 12:22:49                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 12:21:54                                  | 12:22:52                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| White            | SUV          | 12:22:24                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 12:22:50                                  | 12:24:01                                 | 0:01:11  | WBR                                                         | WBR                                                  |
| White            | Heavy        | 12:23:27                                  | 12:24:20                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| Grey             | Truck        | 12:23:33                                  | 12:24:34                                 | 0:01:01  | WBR                                                         | WBR                                                  |

Northbound - Starting from Knapp Dr & Theodore St  
Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at Knapp Dr & Theodore St | Timestamp at Larkin Ave & Knapp Dr | Duration | Knapp Dr & Theodore St Movement (EBL, NBT, or WBR) | Larkin Ave & Knapp Dr Movement (WBR or WBL) |
|------------------|--------------|-------------------------------------|------------------------------------|----------|----------------------------------------------------|---------------------------------------------|
| White            | Sedan        | 12:23:41                            | X                                  |          | EBL                                                | X                                           |
| Black            | SUV          | 12:23:46                            | 12:24:50                           | 0:01:04  | WBR                                                | WBR                                         |
| White            | Van          | 12:23:50                            | X                                  |          | EBL                                                | X                                           |
| Black            | SUV          | 12:23:56                            | 12:24:53                           | 0:00:57  | EBL                                                | WBR                                         |
| White            | SUV          | 12:24:09                            | 12:25:05                           | 0:00:56  | WBR                                                | WBR                                         |
| Grey             | Crossover    | 12:24:31                            | X                                  |          | EBL                                                | X                                           |
| White            | Crossover    | 12:25:37                            | X                                  |          | EBL                                                | X                                           |
| White            | Sedan        | 12:26:01                            | X                                  |          | WBR                                                | X                                           |
| Grey             | Sedan        | 12:26:06                            | X                                  |          | EBL                                                | X                                           |
| Meroon           | Heavy        | 12:27:19                            | 12:28:26                           | 0:01:07  | WBR                                                | WBR                                         |
| White            | Van          | 12:27:59                            | 12:28:54                           | 0:00:55  | WBR                                                | WBR                                         |
| White            | SUV          | 12:28:22                            | 12:29:31                           | 0:01:09  | EBL                                                | WBR                                         |
| Black            | Sedan        | 12:28:29                            | 12:29:36                           | 0:01:07  | WBR                                                | WBR                                         |
| Meroon           | SUV          | 12:28:37                            | X                                  |          | EBL                                                | X                                           |
| Black            | SUV          | 12:29:28                            | 12:30:24                           | 0:00:56  | WBR                                                | WBR                                         |
| Black            | Crossover    | 12:29:37                            | X                                  |          | EBL                                                | X                                           |
| Meroon           | Truck        | 12:29:44                            | 12:30:55                           | 0:01:11  | WBR                                                | WBR                                         |
| Black            | SUV          | 12:29:52                            | X                                  |          | EBL                                                | X                                           |
| Yellow           | Bus          | 12:30:10                            | 12:31:21                           | 0:01:11  | WBR                                                | WBR                                         |
| White            | Van          | 12:30:33                            | 12:31:38                           | 0:01:05  | WBR                                                | WBR                                         |
| Brown            | Crossover    | 12:30:49                            | 12:31:40                           | 0:00:51  | EBL                                                | WBR                                         |
| Grey             | Sedan        | 12:31:25                            | X                                  |          | WBR                                                | X                                           |
| White            | Sedan        | 12:31:38                            | 12:32:25                           | 0:00:47  | WBR                                                | WBR                                         |
| Black            | SUV          | 12:33:36                            | X                                  |          | WBR                                                | X                                           |
| Black            | SUV          | 12:33:50                            | 12:34:46                           | 0:00:56  | WBR                                                | WBR                                         |
| Black            | Crossover    | 12:33:56                            | 12:34:49                           | 0:00:53  | EBL                                                | WBR                                         |
| Black            | SUV          | 12:34:43                            | 12:35:34                           | 0:00:51  | WBR                                                | WBR                                         |
| White            | Sedan        | 12:34:56                            | X                                  |          | EBL                                                | X                                           |
| Black            | SUV          | 12:35:22                            | 12:36:14                           | 0:00:52  | WBR                                                | WBR                                         |
| Black            | Sedan        | 12:35:37                            | 12:36:25                           | 0:00:48  | WBR                                                | WBR                                         |
| Black            | Sedan        | 12:35:39                            | X                                  |          | EBL                                                | X                                           |
| White            | Sedan        | 12:35:42                            | X                                  |          | WBR                                                | X                                           |
| White            | SUV          | 12:36:06                            | 12:36:54                           | 0:00:48  | EBL                                                | WBR                                         |
| White            | Truck        | 12:36:09                            | 12:37:09                           | 0:01:00  | WBR                                                | WBR                                         |
| Grey             | SUV          | 12:36:12                            | X                                  |          | WBR                                                | X                                           |
| White            | SUV          | 12:36:27                            | 12:37:19                           | 0:00:52  | WBR                                                | WBR                                         |
| Grey             | Sedan        | 12:36:48                            | 12:37:53                           | 0:01:05  | WBR                                                | WBR                                         |
| Meroon           | SUV          | 12:37:25                            | X                                  |          | WBR                                                | X                                           |
| Grey             | SUV          | 12:37:37                            | 12:38:25                           | 0:00:48  | EBL                                                | WBR                                         |
| Black            | Sedan        | 12:37:38                            | 12:38:28                           | 0:00:50  | EBL                                                | WBR                                         |
| White            | Van          | 12:38:45                            | 12:39:58                           | 0:01:13  | EBL                                                | WBR                                         |
| White            | Sedan        | 12:39:00                            | 12:40:28                           | 0:01:28  | WBR                                                | WBR                                         |
| White            | Sedan        | 12:39:27                            | X                                  |          | WBR                                                | X                                           |
| White            | SUV          | 12:39:29                            | 12:40:33                           | 0:01:04  | WBR                                                | WBR                                         |
| White            | SUV          | 12:40:14                            | X                                  |          | EBL                                                | X                                           |
| Black            | Sedan        | 12:40:22                            | 12:41:16                           | 0:00:54  | WBR                                                | WBR                                         |
| White            | Sedan        | 12:40:47                            | 12:42:03                           | 0:01:16  | EBL                                                | WBR                                         |
| Black            | Crossover    | 12:41:38                            | 12:42:35                           | 0:00:57  | WBR                                                | WBR                                         |
| Grey             | SUV          | 12:41:42                            | 12:42:44                           | 0:01:02  | WBR                                                | WBR                                         |
| Meroon           | Crossover    | 12:41:45                            | 12:42:59                           | 0:01:14  | EBL                                                | WBR                                         |
| White            | Sedan        | 12:41:47                            | 12:43:02                           | 0:01:15  | EBL                                                | WBR                                         |
| Black            | SUV          | 12:41:59                            | 12:43:09                           | 0:01:10  | EBL                                                | WBR                                         |
| Black            | SUV          | 12:42:31                            | 12:43:28                           | 0:00:57  | WBR                                                | WBR                                         |
| Black            | SUV          | 12:42:35                            | 12:43:31                           | 0:00:56  | WBR                                                | WBR                                         |



Northbound - Starting from Knapp Dr & Theodore St

Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| White            | SUV          | 12:42:47                                  | 12:43:46                                 | 0:00:59  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 12:43:02                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 12:43:13                                  | 12:44:00                                 | 0:00:47  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 12:43:27                                  | 12:44:32                                 | 0:01:05  | EBL                                                         | WBR                                                  |
| Black            | Heavy        | 12:44:08                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Crossover    | 12:44:22                                  | 12:45:19                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 12:46:00                                  | 12:47:07                                 | 0:01:07  | WBR                                                         | WBR                                                  |
| White            | SUV          | 12:46:04                                  | X                                        |          | WBR                                                         | X                                                    |
| Meroon           | Truck        | 12:46:25                                  | X                                        |          | EBL                                                         | X                                                    |
| Grey             | SUV          | 12:46:34                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 12:47:41                                  | 12:48:40                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 12:47:44                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 12:47:45                                  | X                                        |          | EBL                                                         | X                                                    |
| Grey             | SUV          | 12:48:32                                  | 12:49:23                                 | 0:00:51  | EBL                                                         | WBR                                                  |
| Blue             | SUV          | 12:50:41                                  | 12:51:43                                 | 0:01:02  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 12:50:54                                  | 12:52:25                                 | 0:01:31  | WBR                                                         | WBR                                                  |
| Black            | Crossover    | 12:51:05                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | Truck        | 12:51:19                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 12:52:13                                  | 12:53:09                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 12:52:27                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 12:52:52                                  | 12:54:12                                 | 0:01:20  | WBR                                                         | WBR                                                  |
| Black            | Crossover    | 12:52:58                                  | 12:54:29                                 | 0:01:31  | WBR                                                         | WBR                                                  |
| White            | Truck        | 12:54:29                                  | 12:55:41                                 | 0:01:12  | WBR                                                         | WBR                                                  |
| White            | SUV          | 12:54:42                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 12:55:19                                  | 12:56:54                                 | 0:01:35  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 12:55:27                                  | 12:56:34                                 | 0:01:07  | EBL                                                         | WBR                                                  |
| Black            | Crossover    | 12:55:40                                  | X                                        |          | WBR                                                         | X                                                    |
| Green            | SUV          | 12:56:15                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 12:56:16                                  | 12:57:09                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 12:56:28                                  | 12:57:20                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 12:56:30                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 12:56:54                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | Sedan        | 12:57:02                                  | 12:58:00                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 12:58:27                                  | 12:59:28                                 | 0:01:01  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 12:58:33                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 12:58:43                                  | X                                        |          | EBL                                                         | X                                                    |
| Grey             | Sedan        | 12:58:46                                  | X                                        |          | EBL                                                         | X                                                    |
| Meroon           | SUV          | 12:59:22                                  | 13:00:20                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| White            | SUV          | 13:00:01                                  | X                                        |          | EBL                                                         | X                                                    |
| Red              | SUV          | 13:00:09                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | Sedan        | 13:00:18                                  | 13:01:22                                 | 0:01:04  | EBL                                                         | WBR                                                  |
| White            | Crossover    | 13:00:56                                  | X                                        |          | WBR                                                         | X                                                    |
| Red              | SUV          | 13:02:20                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 13:02:59                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | Sedan        | 13:03:19                                  | X                                        |          | EBL                                                         | X                                                    |
| Grey             | SUV          | 13:03:43                                  | 13:04:45                                 | 0:01:02  | WBR                                                         | WBR                                                  |
| Violet           | Truck        | 13:04:29                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 13:05:21                                  | X                                        |          | WBR                                                         | X                                                    |
| Silver           | Sedan        | 13:05:29                                  | 13:06:23                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| White            | Truck        | 13:05:54                                  | 13:06:39                                 | 0:00:45  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 13:06:05                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 13:06:14                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | SUV          | 13:06:16                                  | 13:07:16                                 | 0:01:00  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 13:06:44                                  | 13:07:57                                 | 0:01:13  | WBR                                                         | WBR                                                  |

Northbound - Starting from Knapp Dr & Theodore St

Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Silver           | SUV          | 13:07:12                                  | 13:08:23                                 | 0:01:11  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 13:07:42                                  | 13:08:33                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 13:08:02                                  | X                                        |          | WBR                                                         | X                                                    |
| Silver           | Sedan        | 13:08:26                                  | 13:09:20                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| Meroon           | Sedan        | 13:08:37                                  | 13:09:25                                 | 0:00:48  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 13:09:12                                  | X                                        |          | WBR                                                         | X                                                    |
| Silver           | Sedan        | 13:09:58                                  | 13:10:53                                 | 0:00:55  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 13:10:19                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | SUV          | 13:10:52                                  | 13:11:48                                 | 0:00:56  | EBL                                                         | WBR                                                  |
| Silver           | Sedan        | 13:11:31                                  | 13:12:32                                 | 0:01:01  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 13:12:33                                  | 13:13:17                                 | 0:00:44  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 13:12:44                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 13:13:24                                  | 13:14:26                                 | 0:01:02  | EBL                                                         | WBR                                                  |
| Silver           | Sedan        | 13:14:23                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | Sedan        | 13:14:39                                  | 13:16:14                                 | 0:01:35  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 13:14:47                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 13:14:50                                  | 13:16:28                                 | 0:01:38  | EBL                                                         | WBL                                                  |
| Grey             | SUV          | 13:14:52                                  | 13:16:47                                 | 0:01:55  | EBL                                                         | WBL                                                  |
| Red              | Sedan        | 13:15:34                                  | 13:16:26                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 13:15:47                                  | 13:16:39                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 13:15:51                                  | 13:16:42                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 13:16:04                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 13:16:21                                  | 13:17:15                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 13:16:41                                  | 13:17:31                                 | 0:00:50  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 13:16:48                                  | 13:17:40                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| Violet           | Truck        | 13:16:50                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 13:16:52                                  | 13:18:06                                 | 0:01:14  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 13:17:03                                  | X                                        |          | EBL                                                         | X                                                    |
| Blue             | SUV          | 13:17:05                                  | 13:18:18                                 | 0:01:13  | EBL                                                         | WBR                                                  |
| Silver           | Minivan      | 13:17:08                                  | 13:18:40                                 | 0:01:32  | EBL                                                         | WBL                                                  |
| Black            | Sedan        | 13:17:27                                  | 13:18:26                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 13:18:35                                  | 13:19:24                                 | 0:00:49  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 13:19:18                                  | X                                        |          | EBL                                                         | X                                                    |
| Silver           | SUV          | 13:19:21                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | Crossover    | 13:19:53                                  | 13:20:38                                 | 0:00:45  | WBR                                                         | WBL                                                  |
| Grey             | Sedan        | 13:20:02                                  | 13:20:59                                 | 0:00:57  | EBL                                                         | WBR                                                  |
| White            | Sedan        | 13:20:04                                  | 13:21:01                                 | 0:00:57  | EBL                                                         | WBR                                                  |
| Grey             | Sedan        | 13:20:10                                  | 13:21:09                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 13:20:25                                  | 13:21:12                                 | 0:00:47  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 13:20:38                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 13:20:46                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | Bus          | 13:20:53                                  | X                                        |          | EBL                                                         | X                                                    |
| Grey             | SUV          | 13:21:16                                  | 13:22:15                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Meroon           | Truck        | 13:21:49                                  | 13:22:46                                 | 0:00:57  | EBL                                                         | WBR                                                  |
| Brown            | Sedan        | 13:21:58                                  | 13:22:54                                 | 0:00:56  | EBL                                                         | WBL                                                  |
| Blue             | SUV          | 13:22:20                                  | 13:23:15                                 | 0:00:55  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 13:24:07                                  | 13:25:09                                 | 0:01:02  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 13:24:14                                  | 13:25:21                                 | 0:01:07  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 13:24:16                                  | 13:25:25                                 | 0:01:09  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 13:24:39                                  | X                                        |          | EBL                                                         | X                                                    |
| Red              | SUV          | 13:24:49                                  | 13:25:54                                 | 0:01:05  | EBL                                                         | WBR                                                  |
| Gold             | SUV          | 13:25:03                                  | 13:26:04                                 | 0:01:01  | WBR                                                         | WBR                                                  |
| White            | Van          | 13:25:23                                  | X                                        |          | WBR                                                         | X                                                    |
| Blue             | SUV          | 13:26:20                                  | X                                        |          | WBR                                                         | X                                                    |



Northbound - Starting from Knapp Dr & Theodore St

Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Red              | SUV          | 13:26:22                                  | 13:27:23                                 | 0:01:01  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 13:26:41                                  | 13:27:58                                 | 0:01:17  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 13:27:07                                  | 13:28:16                                 | 0:01:09  | EBL                                                         | WBR                                                  |
| Red              | Sedan        | 13:27:45                                  | 13:28:40                                 | 0:00:55  | WBR                                                         | WBR                                                  |
| White            | SUV          | 13:27:50                                  | 13:28:43                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| Red              | Sedan        | 13:27:53                                  | 13:28:46                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| White            | SUV          | 13:28:07                                  | 13:29:04                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 13:28:36                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 13:28:52                                  | X                                        |          | EBL                                                         | X                                                    |
| Blue             | SUV          | 13:29:54                                  | 13:30:47                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| Silver           | SUV          | 13:29:57                                  | 13:30:53                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 13:30:34                                  | X                                        |          | WBR                                                         | X                                                    |
| Silver           | SUV          | 13:30:38                                  | 13:31:51                                 | 0:01:13  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 13:30:41                                  | 13:31:54                                 | 0:01:13  | WBR                                                         | WBR                                                  |
| Red              | Sedan        | 13:30:45                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 13:31:14                                  | 13:32:30                                 | 0:01:16  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 13:31:45                                  | 13:32:43                                 | 0:00:58  | EBL                                                         | WBR                                                  |
| White            | Sedan        | 13:31:54                                  | 13:32:56                                 | 0:01:02  | WBR                                                         | WBL                                                  |
| Black            | Truck        | 13:32:08                                  | 13:32:58                                 | 0:00:50  | WBR                                                         | WBR                                                  |
| Silver           | Truck        | 13:32:14                                  | 13:33:20                                 | 0:01:06  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 13:32:17                                  | 13:33:24                                 | 0:01:07  | WBR                                                         | WBR                                                  |
| Brown            | SUV          | 13:32:46                                  | 13:33:31                                 | 0:00:45  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 13:32:58                                  | 13:33:54                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 13:33:21                                  | 13:34:24                                 | 0:01:03  | WBR                                                         | WBR                                                  |
| Blue             | Sedan        | 13:34:08                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | SUV          | 13:34:14                                  | 13:35:11                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 13:34:36                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | Minivan      | 13:34:41                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 13:34:46                                  | 13:36:09                                 | 0:01:23  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 13:35:20                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | Truck        | 13:35:44                                  | 13:36:40                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 13:36:04                                  | 13:37:00                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 13:36:06                                  | 13:37:05                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 13:36:37                                  | 13:37:22                                 | 0:00:45  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 13:36:52                                  | 13:37:58                                 | 0:01:06  | WBR                                                         | WBR                                                  |
| White            | Heavy        | 13:36:57                                  | X                                        |          | EBL                                                         | X                                                    |
| Red              | Sedan        | 13:39:22                                  | X                                        |          | WBR                                                         | X                                                    |
| Yellow           | Truck        | 13:39:26                                  | 13:40:29                                 | 0:01:03  | WBR                                                         | WBR                                                  |
| White            | SUV          | 13:39:28                                  | X                                        |          | WBR                                                         | X                                                    |
| Red              | Truck        | 13:39:31                                  | 13:40:33                                 | 0:01:02  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 13:39:37                                  | X                                        |          | WBR                                                         | X                                                    |
| Blue             | Truck        | 13:39:47                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | Truck        | 13:39:50                                  | 13:40:50                                 | 0:01:00  | EBL                                                         | WBR                                                  |
| Silver           | SUV          | 13:40:08                                  | 13:41:21                                 | 0:01:13  | WBR                                                         | WBR                                                  |
| Silver           | SUV          | 13:40:14                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | Sedan        | 13:41:31                                  | 13:42:36                                 | 0:01:05  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 13:41:37                                  | 13:42:45                                 | 0:01:08  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 13:41:42                                  | 13:42:47                                 | 0:01:05  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 13:41:44                                  | 13:42:50                                 | 0:01:06  | EBL                                                         | WBR                                                  |
| Blue             | SUV          | 13:41:47                                  | 13:42:53                                 | 0:01:06  | EBL                                                         | WBR                                                  |
| White            | Sedan        | 13:41:57                                  | 13:43:03                                 | 0:01:06  | EBL                                                         | WBR                                                  |
| Silver           | SUV          | 13:42:20                                  | 13:43:16                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Red              | Sedan        | 13:42:39                                  | X                                        |          | EBL                                                         | X                                                    |
| Red              | SUV          | 13:42:44                                  | 13:43:35                                 | 0:00:51  | EBL                                                         | WBR                                                  |

Northbound - Starting from Knapp Dr & Theodore St

Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Black            | Sedan        | 13:42:50                                  | 13:43:45                                 | 0:00:55  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 13:42:56                                  | 13:43:52                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| White            | Heavy        | 13:43:16                                  | 13:44:21                                 | 0:01:05  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 13:43:19                                  | 13:44:24                                 | 0:01:05  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 13:43:30                                  | 13:44:43                                 | 0:01:13  | WBR                                                         | WBR                                                  |
| White            | SUV          | 13:44:25                                  | 13:45:08                                 | 0:00:43  | WBR                                                         | WBR                                                  |
| Meroon           | SUV          | 13:44:32                                  | X                                        |          | WBR                                                         | X                                                    |
| Red              | Sedan        | 13:44:35                                  | 13:45:17                                 | 0:00:42  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 13:44:37                                  | 13:45:33                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 13:44:39                                  | 13:46:19                                 | 0:01:40  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 13:44:43                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | Sedan        | 13:44:53                                  | X                                        |          | EBL                                                         | X                                                    |
| Silver           | Sedan        | 13:45:14                                  | X                                        |          | EBL                                                         | X                                                    |
| Silver           | Sedan        | 13:45:24                                  | 13:46:39                                 | 0:01:15  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 13:45:44                                  | 13:46:46                                 | 0:01:02  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 13:47:17                                  | 13:48:20                                 | 0:01:03  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 13:47:21                                  | 13:48:23                                 | 0:01:02  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 13:47:52                                  | 13:48:39                                 | 0:00:47  | WBR                                                         | WBR                                                  |
| White            | Truck        | 13:49:26                                  | 13:50:31                                 | 0:01:05  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 13:49:29                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 13:49:33                                  | 13:50:41                                 | 0:01:08  | WBR                                                         | WBR                                                  |
| Black            | Minivan      | 13:49:52                                  | 13:50:45                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 13:50:29                                  | 13:51:17                                 | 0:00:48  | EBL                                                         | WBR                                                  |
| Silver           | Sedan        | 13:50:45                                  | 13:52:20                                 | 0:01:35  | EBL                                                         | WBR                                                  |
| Silver           | SUV          | 13:51:27                                  | 13:52:35                                 | 0:01:08  | WBR                                                         | WBR                                                  |
| Silver           | SUV          | 13:51:32                                  | 13:52:42                                 | 0:01:10  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 13:51:58                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | Van          | 13:52:00                                  | 13:52:55                                 | 0:00:55  | EBL                                                         | WBR                                                  |
| Silver           | Truck        | 13:52:03                                  | 13:52:59                                 | 0:00:56  | EBL                                                         | WBR                                                  |
| Silver           | SUV          | 13:52:23                                  | 13:53:13                                 | 0:00:50  | WBR                                                         | WBR                                                  |
| Green            | SUV          | 13:52:49                                  | 13:53:43                                 | 0:00:54  | EBL                                                         | WBR                                                  |
| White            | SUV          | 13:53:01                                  | X                                        |          | WBR                                                         | X                                                    |
| Red              | SUV          | 13:53:26                                  | 13:54:28                                 | 0:01:02  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 13:53:44                                  | 13:54:46                                 | 0:01:02  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 13:53:49                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 13:54:05                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 13:54:21                                  | X                                        |          | EBL                                                         | X                                                    |
| Red              | Heavy        | 13:54:44                                  | 13:56:11                                 | 0:01:27  | WBR                                                         | WBR                                                  |
| Blue             | Truck        | 13:55:16                                  | 13:56:25                                 | 0:01:09  | WBR                                                         | WBR                                                  |
| Black            | Jeep         | 13:55:29                                  | 13:56:25                                 | 0:00:56  | WBR                                                         | WBL                                                  |
| Black            | Sedan        | 13:55:35                                  | 13:56:27                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 13:55:41                                  | 13:56:32                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| Silver           | SUV          | 13:55:52                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 13:55:58                                  | 13:56:57                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 13:56:09                                  | 13:57:05                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Red              | Sedan        | 13:56:35                                  | X                                        |          | EBL                                                         | X                                                    |
| Silver           | SUV          | 13:56:42                                  | X                                        |          | EBL                                                         | X                                                    |
| Silver           | Sedan        | 13:58:22                                  | 13:59:13                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| Grey             | Truck        | 13:58:25                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 13:58:38                                  | X                                        |          | WBR                                                         | X                                                    |
| Red              | Sedan        | 13:58:47                                  | X                                        |          | EBL                                                         | X                                                    |
| Silver           | SUV          | 13:59:10                                  | 14:00:06                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Silver           | SUV          | 13:59:16                                  | 14:00:13                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Blue             | Sedan        | 13:59:20                                  | 14:00:15                                 | 0:00:55  | WBR                                                         | WBR                                                  |



Northbound - Starting from Knapp Dr & Theodore St  
Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Blue             | Sedan        | 13:59:25                                  | 14:00:28                                 | 0:01:03  | WBR                                                         | WBR                                                  |
| White            | Van          | 13:59:36                                  | X                                        |          | EBL                                                         | X                                                    |
| Silver           | Sedan        | 13:59:41                                  | 14:00:41                                 | 0:01:00  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 14:00:42                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | Sedan        | 14:00:48                                  | 14:01:56                                 | 0:01:08  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 14:00:51                                  | 14:02:13                                 | 0:01:22  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 14:00:53                                  | 14:02:23                                 | 0:01:30  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 14:02:42                                  | 14:03:40                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 14:02:44                                  | 14:03:47                                 | 0:01:03  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 14:04:03                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | SUV          | 14:04:10                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 14:04:22                                  | X                                        |          | WBR                                                         | X                                                    |
| Silver           | SUV          | 14:04:56                                  | 14:05:50                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| White            | SUV          | 14:04:59                                  | X                                        |          | EBL                                                         | X                                                    |
| Red              | SUV          | 14:05:21                                  | 14:06:26                                 | 0:01:05  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 14:05:35                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | Truck        | 14:05:37                                  | 14:06:37                                 | 0:01:00  | EBL                                                         | WBR                                                  |
| Silver           | SUV          | 14:05:57                                  | 14:06:50                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 14:06:33                                  | 14:07:14                                 | 0:00:41  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 14:06:39                                  | 14:07:40                                 | 0:01:01  | EBL                                                         | WBR                                                  |
| Black            | Truck        | 14:07:19                                  | 14:08:27                                 | 0:01:08  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 14:07:21                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 14:07:27                                  | 14:08:40                                 | 0:01:13  | WBR                                                         | WBR                                                  |
| Silver           | SUV          | 14:07:37                                  | 14:08:50                                 | 0:01:13  | WBR                                                         | WBR                                                  |
| Red              | Sedan        | 14:07:48                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | Jeep         | 14:07:52                                  | 14:08:55                                 | 0:01:03  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 14:09:11                                  | 14:10:12                                 | 0:01:01  | WBR                                                         | WBR                                                  |
| Yellow           | Van          | 14:09:20                                  | X                                        |          | EBL                                                         | X                                                    |
| Grey             | Sedan        | 14:09:22                                  | X                                        |          | EBL                                                         | X                                                    |
| Red              | Truck        | 14:09:28                                  | 14:10:45                                 | 0:01:17  | WBR                                                         | WBR                                                  |
| White            | SUV          | 14:09:33                                  | 14:10:48                                 | 0:01:15  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 14:10:10                                  | 14:10:58                                 | 0:00:48  | WBR                                                         | WBR                                                  |
| Silver           | SUV          | 14:10:40                                  | 14:11:26                                 | 0:00:46  | EBL                                                         | WBR                                                  |
| White            | Van          | 14:10:48                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Truck        | 14:10:50                                  | 14:11:45                                 | 0:00:55  | EBL                                                         | WBR                                                  |
| Silver           | Sedan        | 14:10:56                                  | 14:11:48                                 | 0:00:52  | EBL                                                         | WBR                                                  |
| Grey             | Truck        | 14:11:43                                  | 14:13:00                                 | 0:01:17  | EBL                                                         | WBR                                                  |
| Grey             | Sedan        | 14:11:54                                  | 14:13:06                                 | 0:01:12  | WBR                                                         | WBR                                                  |
| Red              | Truck        | 14:12:23                                  | 14:13:20                                 | 0:00:57  | EBL                                                         | WBR                                                  |
| Blue             | Truck        | 14:12:24                                  | 14:13:23                                 | 0:00:59  | EBL                                                         | WBR                                                  |
| White            | Truck        | 14:13:04                                  | X                                        |          | WBR                                                         | X                                                    |
| Silver           | Sedan        | 14:13:22                                  | 14:14:29                                 | 0:01:07  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 14:13:53                                  | 14:14:51                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 14:14:24                                  | 14:15:14                                 | 0:00:50  | WBR                                                         | WBR                                                  |
| Silver           | SUV          | 14:14:45                                  | 14:15:35                                 | 0:00:50  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 14:15:08                                  | 14:16:17                                 | 0:01:09  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 14:15:38                                  | 14:16:59                                 | 0:01:21  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 14:15:40                                  | 14:17:08                                 | 0:01:28  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 14:15:54                                  | 14:17:17                                 | 0:01:23  | EBL                                                         | WBR                                                  |
| Grey             | Truck        | 14:17:04                                  | 14:18:10                                 | 0:01:06  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 14:17:09                                  | 14:18:14                                 | 0:01:05  | WBR                                                         | WBR                                                  |
| Grey             | Truck        | 14:17:14                                  | 14:18:18                                 | 0:01:04  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 14:17:29                                  | 14:18:20                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 14:17:48                                  | X                                        |          | WBR                                                         | X                                                    |

Northbound - Starting from Knapp Dr & Theodore St

Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Black            | SUV          | 14:17:56                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 14:18:31                                  | 14:19:33                                 | 0:01:02  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 14:19:50                                  | 14:21:11                                 | 0:01:21  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 14:20:15                                  | 14:21:21                                 | 0:01:06  | WBR                                                         | WBR                                                  |
| White            | Truck        | 14:20:20                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | SUV          | 14:20:27                                  | 14:21:31                                 | 0:01:04  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 14:20:45                                  | 14:21:38                                 | 0:00:53  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 14:21:08                                  | 14:21:58                                 | 0:00:50  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 14:21:11                                  | 14:22:00                                 | 0:00:49  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 14:21:18                                  | 14:22:08                                 | 0:00:50  | WBR                                                         | WBR                                                  |
| Red              | Truck        | 14:21:25                                  | 14:22:16                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 14:21:40                                  | 14:22:31                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 14:22:53                                  | 14:23:43                                 | 0:00:50  | EBL                                                         | WBR                                                  |
| Sandal           | Sedan        | 14:23:22                                  | X                                        |          | EBL                                                         | X                                                    |
| Red              | Heavy        | 14:23:40                                  | 14:24:54                                 | 0:01:14  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 14:24:35                                  | 14:25:38                                 | 0:01:03  | EBL                                                         | WBR                                                  |
| Red              | SUV          | 14:24:45                                  | 14:25:54                                 | 0:01:09  | EBL                                                         | WBR                                                  |
| Silver           | Sedan        | 14:25:05                                  | 14:26:04                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 14:25:20                                  | 14:26:11                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 14:25:56                                  | 14:26:45                                 | 0:00:49  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 14:26:34                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | Van          | 14:27:15                                  | 14:28:20                                 | 0:01:05  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 14:27:20                                  | 14:28:28                                 | 0:01:08  | WBR                                                         | WBL                                                  |
| Red              | Sedan        | 14:28:19                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Truck        | 14:28:59                                  | 14:30:13                                 | 0:01:14  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 14:29:05                                  | 14:30:16                                 | 0:01:11  | WBR                                                         | WBR                                                  |
| Red              | Sedan        | 14:29:15                                  | 14:30:20                                 | 0:01:05  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 14:29:25                                  | 14:30:22                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 14:29:28                                  | 14:30:25                                 | 0:00:57  | EBL                                                         | WBR                                                  |
| White            | SUV          | 14:29:52                                  | 14:30:51                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Red              | Truck        | 14:29:55                                  | 14:30:55                                 | 0:01:00  | EBL                                                         | WBR                                                  |
| Red              | Truck        | 14:30:13                                  | 14:31:16                                 | 0:01:03  | WBR                                                         | WBR                                                  |
| White            | Heavy        | 14:30:33                                  | 14:31:29                                 | 0:00:56  | EBL                                                         | WBR                                                  |
| Brown            | Heavy        | 14:30:44                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | Sedan        | 14:30:55                                  | 14:31:51                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 14:31:00                                  | 14:32:17                                 | 0:01:17  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 14:31:13                                  | 14:32:20                                 | 0:01:07  | WBR                                                         | WBR                                                  |
| White            | SUV          | 14:31:23                                  | 14:32:28                                 | 0:01:05  | WBR                                                         | WBR                                                  |
| White            | SUV          | 14:31:56                                  | 14:33:00                                 | 0:01:04  | WBR                                                         | WBR                                                  |
| Meroon           | Sedan        | 14:32:02                                  | 14:33:03                                 | 0:01:01  | EBL                                                         | WBR                                                  |
| Blue             | Sedan        | 14:33:10                                  | 14:34:52                                 | 0:01:42  | WBR                                                         | WBL                                                  |
| Red              | SUV          | 14:33:22                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 14:33:40                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | Heavy        | 14:34:29                                  | 14:35:32                                 | 0:01:03  | EBL                                                         | WBR                                                  |
| Blue             | Heavy        | 14:34:39                                  | 14:35:38                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 14:35:03                                  | 14:36:16                                 | 0:01:13  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 14:35:26                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 14:36:52                                  | 14:37:38                                 | 0:00:46  | EBL                                                         | WBL                                                  |
| White            | SUV          | 14:37:20                                  | 14:38:39                                 | 0:01:19  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 14:38:11                                  | 14:39:02                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| Red              | Sedan        | 14:38:14                                  | 14:39:13                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Blue             | SUV          | 14:38:46                                  | 14:39:36                                 | 0:00:50  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 14:39:02                                  | X                                        |          | WBR                                                         | X                                                    |
| Red              | Sedan        | 14:39:29                                  | 14:40:49                                 | 0:01:20  | WBR                                                         | WBR                                                  |



Northbound - Starting from Knapp Dr & Theodore St

Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Black            | Sedan        | 14:39:32                                  | 14:40:52                                 | 0:01:20  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 14:41:13                                  | 14:42:08                                 | 0:00:55  | WBR                                                         | WBR                                                  |
| White            | Truck        | 14:41:20                                  | 14:42:25                                 | 0:01:05  | WBR                                                         | WBR                                                  |
| Sky blue         | SUV          | 14:41:46                                  | 14:42:45                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Sandal           | Sedan        | 14:42:18                                  | 14:43:10                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 14:42:29                                  | 14:43:18                                 | 0:00:49  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 14:43:00                                  | 14:43:54                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 14:43:07                                  | X                                        |          | EBL                                                         | X                                                    |
| Blue             | Sedan        | 14:44:12                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | Sedan        | 14:44:14                                  | 14:45:07                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 14:45:16                                  | 14:46:09                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 14:45:58                                  | 14:46:53                                 | 0:00:55  | EBL                                                         | WBR                                                  |
| Black            | Truck        | 14:48:00                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 14:48:28                                  | 14:49:22                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 14:48:43                                  | 14:49:32                                 | 0:00:49  | WBR                                                         | WBR                                                  |
| Silver           | Minivan      | 14:49:11                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | Heavy        | 14:49:39                                  | 14:50:41                                 | 0:01:02  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 14:49:41                                  | 14:50:44                                 | 0:01:03  | EBL                                                         | WBR                                                  |
| Grey             | SUV          | 14:50:20                                  | 14:51:29                                 | 0:01:09  | EBL                                                         | WBR                                                  |
| Red              | Sedan        | 14:50:29                                  | 14:51:49                                 | 0:01:20  | WBR                                                         | WBR                                                  |
| White            | SUV          | 14:52:16                                  | 14:53:09                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| White            | Truck        | 14:52:26                                  | 14:53:30                                 | 0:01:04  | WBR                                                         | WBR                                                  |
| Grey             | Minivan      | 14:53:52                                  | 14:54:44                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 14:53:58                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | SUV          | 14:54:27                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | Sedan        | 14:55:02                                  | X                                        |          | WBR                                                         | X                                                    |
| Blue             | SUV          | 14:55:22                                  | 14:56:21                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 14:55:30                                  | 14:56:24                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 14:55:42                                  | 14:56:47                                 | 0:01:05  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 14:56:05                                  | 14:56:56                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 14:56:37                                  | 14:58:05                                 | 0:01:28  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 14:56:45                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | Minivan      | 14:57:01                                  | 14:58:14                                 | 0:01:13  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 14:57:20                                  | 14:58:18                                 | 0:00:58  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 14:57:57                                  | X                                        |          | EBL                                                         | X                                                    |
| Grey             | SUV          | 14:58:44                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | SUV          | 14:59:01                                  | X                                        |          | EBL                                                         | X                                                    |
| Red              | Jeep         | 14:59:02                                  | 15:00:13                                 | 0:01:11  | EBL                                                         | WBR                                                  |
| Red              | Truck        | 15:00:00                                  | 15:01:09                                 | 0:01:09  | WBR                                                         | WBR                                                  |
| Grey             | Crossover    | 15:00:11                                  | 15:01:12                                 | 0:01:01  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 15:00:14                                  | 15:01:17                                 | 0:01:03  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 15:01:17                                  | X                                        |          | EBL                                                         | X                                                    |
| Grey             | Jeep         | 15:02:12                                  | 15:03:04                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| Grey             | Truck        | 15:02:16                                  | 15:03:14                                 | 0:00:58  | EBL                                                         | WBR                                                  |
| Blue             | Truck        | 15:02:41                                  | 15:03:34                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| Grey             | Crossover    | 15:02:49                                  | 15:03:41                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| Maroon           | Sedan        | 15:03:55                                  | 15:04:45                                 | 0:00:50  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 15:04:15                                  | 15:05:10                                 | 0:00:55  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 15:05:27                                  | 15:06:44                                 | 0:01:17  | WBR                                                         | WBR                                                  |
| White            | SUV          | 15:05:57                                  | 15:07:03                                 | 0:01:06  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 15:06:21                                  | 15:07:20                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 15:06:59                                  | 15:07:50                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 15:07:28                                  | X                                        |          | EBL                                                         | X                                                    |
| Grey             | SUV          | 15:07:36                                  | 15:08:22                                 | 0:00:46  | WBR                                                         | WBR                                                  |

Northbound - Starting from Knapp Dr & Theodore St  
Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Grey             | Sedan        | 15:07:46                                  | 15:08:42                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 15:07:52                                  | 15:08:52                                 | 0:01:00  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 15:07:59                                  | 15:09:05                                 | 0:01:06  | EBL                                                         | WBR                                                  |
| White            | Sedan        | 15:08:47                                  | X                                        |          | WBR                                                         | X                                                    |
| Blue             | Sedan        | 15:08:48                                  | 15:09:41                                 | 0:00:53  | EBL                                                         | WBR                                                  |
| Grey             | SUV          | 15:09:02                                  | 15:09:59                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Blue             | Truck        | 15:09:08                                  | 15:10:02                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| White            | Truck        | 15:09:11                                  | 15:10:06                                 | 0:00:55  | EBL                                                         | WBR                                                  |
| Red              | SUV          | 15:09:20                                  | 15:10:12                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 15:09:32                                  | 15:10:16                                 | 0:00:44  | EBL                                                         | WBR                                                  |
| Black            | Crossover    | 15:10:33                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 15:10:37                                  | 15:11:30                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| White            | Van          | 15:11:02                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | Sedan        | 15:11:55                                  | 15:13:11                                 | 0:01:16  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 15:12:15                                  | 15:13:17                                 | 0:01:02  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 15:13:33                                  | 15:14:22                                 | 0:00:49  | WBR                                                         | WBR                                                  |
| White            | Jeep         | 15:13:37                                  | X                                        |          | EBL                                                         | X                                                    |
| Red              | SUV          | 15:13:47                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | Truck        | 15:14:08                                  | 15:16:06                                 | 0:01:58  | EBL                                                         | WBL                                                  |
| Black            | SUV          | 15:14:21                                  | 15:15:13                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 15:14:25                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | Crossover    | 15:15:17                                  | 15:16:08                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| White            | SUV          | 15:15:47                                  | 15:16:45                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 15:16:21                                  | 15:17:24                                 | 0:01:03  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 15:17:03                                  | 15:17:54                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 15:17:07                                  | 15:17:58                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 15:17:14                                  | 15:18:10                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Grey             | Crossover    | 15:17:18                                  | 15:18:13                                 | 0:00:55  | EBL                                                         | WBR                                                  |
| Grey             | SUV          | 15:18:23                                  | 15:19:33                                 | 0:01:10  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 15:18:47                                  | 15:19:46                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 15:18:49                                  | 15:19:50                                 | 0:01:01  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 15:18:56                                  | 15:19:55                                 | 0:00:59  | EBL                                                         | WBR                                                  |
| White            | Crossover    | 15:20:18                                  | 15:21:06                                 | 0:00:48  | EBL                                                         | WBR                                                  |
| Maroon           | Truck        | 15:21:21                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | Sedan        | 15:21:44                                  | 15:22:39                                 | 0:00:55  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 15:21:45                                  | 15:22:42                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 15:23:16                                  | 15:24:24                                 | 0:01:08  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 15:23:53                                  | 15:24:53                                 | 0:01:00  | WBR                                                         | WBR                                                  |
| White            | Truck        | 15:24:17                                  | 15:25:11                                 | 0:00:54  | EBL                                                         | WBR                                                  |
| Red              | SUV          | 15:24:23                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | Sedan        | 15:24:44                                  | 15:25:40                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 15:25:00                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 15:25:02                                  | 15:25:48                                 | 0:00:46  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 15:25:04                                  | 15:26:13                                 | 0:01:09  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 15:25:06                                  | 15:26:33                                 | 0:01:27  | EBL                                                         | WBR                                                  |
| Red              | Sedan        | 15:25:44                                  | 15:26:45                                 | 0:01:01  | WBR                                                         | WBR                                                  |
| Grey             | Truck        | 15:27:17                                  | X                                        |          | EBL                                                         | X                                                    |
| Grey             | Sedan        | 15:27:38                                  | 15:28:32                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 15:27:53                                  | 15:28:51                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| White            | Truck        | 15:28:04                                  | 15:29:13                                 | 0:01:09  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 15:28:08                                  | 15:29:19                                 | 0:01:11  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 15:28:16                                  | 15:29:22                                 | 0:01:06  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 15:28:38                                  | 15:29:32                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 15:28:43                                  | 15:29:46                                 | 0:01:03  | WBR                                                         | WBR                                                  |



Northbound - Starting from Knapp Dr & Theodore St

Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Grey             | Sedan        | 15:28:54                                  | 15:29:50                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| White            | Van          | 15:29:02                                  | 15:29:59                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| White            | Van          | 15:29:05                                  | 15:30:14                                 | 0:01:09  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 15:29:11                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | Sedan        | 15:29:13                                  | X                                        |          | EBL                                                         | X                                                    |
| Grey             | Sedan        | 15:29:19                                  | 15:30:18                                 | 0:00:59  | EBL                                                         | WBR                                                  |
| Black            | Jeep         | 15:29:29                                  | 15:30:40                                 | 0:01:11  | EBL                                                         | WBR                                                  |
| Grey             | SUV          | 15:30:23                                  | 15:31:51                                 | 0:01:28  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 15:30:26                                  | 15:31:26                                 | 0:01:00  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 15:31:12                                  | X                                        |          | WBR                                                         | X                                                    |
| Red              | SUV          | 15:31:46                                  | 15:32:54                                 | 0:01:08  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 15:31:58                                  | 15:33:01                                 | 0:01:03  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 15:32:00                                  | 15:33:43                                 | 0:01:43  | EBL                                                         | WBL                                                  |
| Black            | SUV          | 15:32:43                                  | 15:33:43                                 | 0:01:00  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 15:32:54                                  | 15:33:47                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| Black            | Jeep         | 15:33:01                                  | 15:33:54                                 | 0:00:53  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 15:33:03                                  | 15:33:59                                 | 0:00:56  | EBL                                                         | WBR                                                  |
| Blue             | Crossover    | 15:33:09                                  | 15:34:03                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 15:33:11                                  | 15:34:07                                 | 0:00:56  | EBL                                                         | WBR                                                  |
| Grey             | Truck        | 15:33:20                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 15:33:29                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 15:33:36                                  | 15:34:23                                 | 0:00:47  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 15:33:56                                  | 15:34:51                                 | 0:00:55  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 15:34:14                                  | 15:35:01                                 | 0:00:47  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 15:34:19                                  | 15:35:15                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 15:34:59                                  | 15:36:08                                 | 0:01:09  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 15:35:12                                  | 15:36:15                                 | 0:01:03  | EBL                                                         | WBR                                                  |
| Grey             | SUV          | 15:35:24                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | Sedan        | 15:35:27                                  | 15:36:24                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 15:35:36                                  | 15:36:43                                 | 0:01:07  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 15:36:29                                  | 15:37:17                                 | 0:00:48  | EBL                                                         | WBR                                                  |
| White            | Sedan        | 15:37:30                                  | 15:38:14                                 | 0:00:44  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 15:37:44                                  | 15:38:40                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 15:37:52                                  | 15:39:08                                 | 0:01:16  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 15:37:54                                  | X                                        |          | EBL                                                         | X                                                    |
| Yellow           | SUV          | 15:38:07                                  | X                                        |          | EBL                                                         | X                                                    |
| Red              | Truck        | 15:38:26                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 15:38:36                                  | 15:39:33                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 15:38:39                                  | 15:39:35                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| White            | SUV          | 15:38:40                                  | 15:39:38                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 15:39:02                                  | 15:39:50                                 | 0:00:48  | WBR                                                         | WBR                                                  |
| White            | SUV          | 15:39:57                                  | 15:40:47                                 | 0:00:50  | WBR                                                         | WBR                                                  |
| Maroon           | SUV          | 15:39:58                                  | 15:40:50                                 | 0:00:52  | EBL                                                         | WBR                                                  |
| Black            | Truck        | 15:40:33                                  | 15:41:34                                 | 0:01:01  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 15:40:57                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 15:41:10                                  | 15:42:09                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 15:41:26                                  | 15:42:21                                 | 0:00:55  | WBR                                                         | WBR                                                  |
| Blue             | Sedan        | 15:41:35                                  | 15:42:26                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 15:41:38                                  | 15:42:32                                 | 0:00:54  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 15:42:04                                  | 15:42:52                                 | 0:00:48  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 15:42:37                                  | 15:43:35                                 | 0:00:58  | EBL                                                         | WBR                                                  |
| White            | Truck        | 15:42:52                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 15:44:29                                  | 15:45:32                                 | 0:01:03  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 15:45:04                                  | X                                        |          | WBR                                                         | X                                                    |

Northbound - Starting from Knapp Dr & Theodore St  
Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Grey             | SUV          | 15:45:07                                  | 15:46:10                                 | 0:01:03  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 15:45:17                                  | 15:46:17                                 | 0:01:00  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 15:45:26                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 15:45:39                                  | 15:46:36                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Grey             | Truck        | 15:46:00                                  | 15:47:02                                 | 0:01:02  | EBL                                                         | WBR                                                  |
| Black            | Truck        | 15:46:09                                  | 15:47:05                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 15:46:35                                  | X                                        |          | EBL                                                         | X                                                    |
| Grey             | SUV          | 15:47:27                                  | 15:48:20                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| White            | SUV          | 15:47:29                                  | 15:48:28                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 15:47:35                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 15:47:38                                  | 15:48:36                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 15:47:40                                  | 15:48:39                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 15:47:42                                  | 15:48:42                                 | 0:01:00  | EBL                                                         | WBR                                                  |
| Grey             | SUV          | 15:47:43                                  | 15:48:47                                 | 0:01:04  | EBL                                                         | WBR                                                  |
| White            | Sedan        | 15:47:56                                  | 15:48:50                                 | 0:00:54  | EBL                                                         | WBR                                                  |
| White            | SUV          | 15:48:27                                  | 15:49:28                                 | 0:01:01  | WBR                                                         | WBR                                                  |
| Maroon           | SUV          | 15:48:48                                  | 15:50:12                                 | 0:01:24  | WBR                                                         | WBR                                                  |
| White            | Truck        | 15:49:31                                  | 15:50:25                                 | 0:00:54  | EBL                                                         | WBR                                                  |
| Maroon           | Sedan        | 15:49:38                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | SUV          | 15:49:45                                  | 15:50:41                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 15:50:09                                  | 15:50:54                                 | 0:00:45  | WBR                                                         | WBR                                                  |
| White            | SUV          | 15:50:27                                  | X                                        |          | WBR                                                         | X                                                    |
| Maroon           | Sedan        | 15:50:30                                  | 15:51:25                                 | 0:00:55  | EBL                                                         | WBR                                                  |
| Grey             | Sedan        | 15:50:51                                  | 15:51:58                                 | 0:01:07  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 15:50:59                                  | 15:52:02                                 | 0:01:03  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 15:51:35                                  | 15:52:38                                 | 0:01:03  | WBR                                                         | WBR                                                  |
| Grey             | Truck        | 15:51:39                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | Sedan        | 15:52:14                                  | 15:53:07                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| Red              | Van          | 15:52:24                                  | 15:53:19                                 | 0:00:55  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 15:52:27                                  | 15:53:22                                 | 0:00:55  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 15:53:33                                  | 15:54:28                                 | 0:00:55  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 15:54:02                                  | 15:55:05                                 | 0:01:03  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 15:55:41                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | SUV          | 15:55:55                                  | 15:56:42                                 | 0:00:47  | EBL                                                         | WBR                                                  |
| Black            | Truck        | 15:56:56                                  | X                                        |          | WBR                                                         | X                                                    |
| Silver           | Sedan        | 15:57:02                                  | 15:59:05                                 | 0:02:03  | WBR                                                         | WBL                                                  |
| White            | Truck        | 15:57:14                                  | 15:58:06                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| White            | SUV          | 15:57:15                                  | X                                        |          | WBR                                                         | X                                                    |
| Blue             | SUV          | 15:57:27                                  | 15:58:49                                 | 0:01:22  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 15:57:38                                  | X                                        |          | EBL                                                         | X                                                    |
| Silver           | Sedan        | 15:57:56                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 15:58:02                                  | 15:59:06                                 | 0:01:04  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 15:58:05                                  | X                                        |          | EBL                                                         | X                                                    |
| Silver           | SUV          | 15:58:11                                  | 15:59:11                                 | 0:01:00  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 15:59:33                                  | 16:00:46                                 | 0:01:13  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 16:00:17                                  | 16:01:16                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Silver           | SUV          | 16:00:30                                  | 16:01:32                                 | 0:01:02  | WBR                                                         | WBR                                                  |
| White            | SUV          | 16:00:33                                  | 16:01:47                                 | 0:01:14  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 16:01:00                                  | 16:01:58                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 16:01:05                                  | 16:02:01                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 16:01:26                                  | 16:02:28                                 | 0:01:02  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 16:02:00                                  | 16:03:04                                 | 0:01:04  | WBR                                                         | WBR                                                  |
| Grey             | Truck        | 16:02:28                                  | 16:03:18                                 | 0:00:50  | WBR                                                         | WBR                                                  |
| Grey             | Heavy        | 16:03:20                                  | X                                        |          | WBR                                                         | X                                                    |



Northbound - Starting from Knapp Dr & Theodore St

Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Grey             | SUV          | 16:03:51                                  | 16:05:09                                 | 0:01:18  | WBR                                                         | WBR                                                  |
| White            | SUV          | 16:04:57                                  | 16:05:44                                 | 0:00:47  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 16:05:18                                  | 16:06:04                                 | 0:00:46  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 16:05:54                                  | 16:06:53                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 16:05:56                                  | 16:06:56                                 | 0:01:00  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 16:06:16                                  | 16:07:26                                 | 0:01:10  | WBR                                                         | WBR                                                  |
| White            | SUV          | 16:06:29                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 16:06:47                                  | 16:07:51                                 | 0:01:04  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 16:09:15                                  | 16:10:14                                 | 0:00:59  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 16:09:35                                  | 16:10:27                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| Meroon           | SUV          | 16:10:19                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | Sedan        | 16:10:22                                  | 16:11:15                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| Blue             | Truck        | 16:10:38                                  | X                                        |          | WBR                                                         | X                                                    |
| Silver           | Sedan        | 16:10:42                                  | X                                        |          | EBL                                                         | X                                                    |
| Meroon           | SUV          | 16:12:05                                  | 16:13:03                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 16:12:58                                  | 16:13:52                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 16:14:15                                  | 16:15:10                                 | 0:00:55  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 16:14:42                                  | 16:15:30                                 | 0:00:48  | EBL                                                         | WBR                                                  |
| White            | Sedan        | 16:14:57                                  | X                                        |          | EBL                                                         | X                                                    |
| Silver           | Truck        | 16:15:19                                  | 16:16:09                                 | 0:00:50  | EBL                                                         | WBR                                                  |
| Black            | Truck        | 16:16:14                                  | 16:17:10                                 | 0:00:56  | EBL                                                         | WBR                                                  |
| Red              | Sedan        | 16:16:20                                  | 16:17:14                                 | 0:00:54  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 16:16:31                                  | 16:17:24                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 16:16:34                                  | 16:17:28                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| Silver           | SUV          | 16:16:52                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | Sedan        | 16:17:10                                  | 16:18:10                                 | 0:01:00  | EBL                                                         | WBR                                                  |
| White            | SUV          | 16:17:56                                  | 16:19:07                                 | 0:01:11  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 16:18:53                                  | 16:19:50                                 | 0:00:57  | EBL                                                         | WBR                                                  |
| Grey             | SUV          | 16:19:02                                  | 16:20:34                                 | 0:01:32  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 16:19:12                                  | X                                        |          | EBL                                                         | X                                                    |
| Silver           | Sedan        | 16:19:27                                  | 16:20:39                                 | 0:01:12  | WBR                                                         | WBR                                                  |
| Meroon           | SUV          | 16:19:43                                  | 16:20:45                                 | 0:01:02  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 16:19:47                                  | 16:20:49                                 | 0:01:02  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 16:20:18                                  | 16:21:07                                 | 0:00:49  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 16:20:32                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Jeep         | 16:21:02                                  | 16:22:02                                 | 0:01:00  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 16:21:11                                  | 16:22:05                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 16:21:30                                  | 16:22:26                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Silver           | SUV          | 16:21:53                                  | 16:22:46                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 16:22:15                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | Heavy        | 16:22:49                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | Crossover    | 16:23:02                                  | 16:23:56                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 16:23:15                                  | 16:24:29                                 | 0:01:14  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 16:23:21                                  | 16:24:48                                 | 0:01:27  | WBR                                                         | WBR                                                  |
| White            | SUV          | 16:23:24                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | SUV          | 16:25:18                                  | 16:26:18                                 | 0:01:00  | WBR                                                         | WBR                                                  |
| Silver           | SUV          | 16:25:21                                  | 16:26:36                                 | 0:01:15  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 16:25:25                                  | 16:26:40                                 | 0:01:15  | WBR                                                         | WBR                                                  |
| Meroon           | SUV          | 16:25:35                                  | X                                        |          | EBL                                                         | X                                                    |
| Silver           | Crossover    | 16:26:24                                  | 16:27:19                                 | 0:00:55  | WBR                                                         | WBR                                                  |
| Red              | Truck        | 16:27:40                                  | 16:29:09                                 | 0:01:29  | WBR                                                         | WBR                                                  |
| Silver           | SUV          | 16:28:55                                  | 16:29:49                                 | 0:00:54  | EBL                                                         | WBR                                                  |
| White            | SUV          | 16:29:27                                  | 16:30:21                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 16:29:38                                  | X                                        |          | EBL                                                         | X                                                    |

Northbound - Starting from Knapp Dr & Theodore St

Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Black            | Sedan        | 16:30:39                                  | 16:31:37                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Silver           | Truck        | 16:31:33                                  | 16:32:25                                 | 0:00:52  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 16:31:52                                  | 16:32:47                                 | 0:00:55  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 16:32:20                                  | 16:33:20                                 | 0:01:00  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 16:32:21                                  | 16:33:33                                 | 0:01:12  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 16:32:24                                  | 16:33:46                                 | 0:01:22  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 16:32:37                                  | X                                        |          | EBL                                                         | X                                                    |
| Meroon           | SUV          | 16:32:45                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | Sedan        | 16:33:23                                  | 16:34:13                                 | 0:00:50  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 16:33:34                                  | 16:34:30                                 | 0:00:56  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 16:33:46                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | Jeep         | 16:33:55                                  | 16:34:59                                 | 0:01:04  | WBR                                                         | WBL                                                  |
| Black            | Sedan        | 16:34:08                                  | X                                        |          | WBR                                                         | X                                                    |
| Silver           | SUV          | 16:34:31                                  | X                                        |          | EBL                                                         | X                                                    |
| Grey             | Sedan        | 16:34:53                                  | 16:35:50                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 16:35:01                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | Truck        | 16:35:09                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | Sedan        | 16:35:22                                  | 16:36:19                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| White            | Crossover    | 16:35:44                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | Truck        | 16:36:04                                  | 16:36:57                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 16:36:11                                  | 16:37:03                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| White            | Van          | 16:36:23                                  | X                                        |          | EBL                                                         | X                                                    |
| Grey             | SUV          | 16:36:39                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 16:37:16                                  | 16:38:06                                 | 0:00:50  | WBR                                                         | WBR                                                  |
| Silver           | Crossover    | 16:37:27                                  | 16:38:23                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Red              | Truck        | 16:38:42                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | Van          | 16:38:44                                  | 16:39:44                                 | 0:01:00  | EBL                                                         | WBR                                                  |
| White            | Sedan        | 16:39:14                                  | 16:41:08                                 | 0:01:54  | WBR                                                         | WBL                                                  |
| Black            | Truck        | 16:39:43                                  | 16:40:33                                 | 0:00:50  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 16:41:09                                  | 16:42:11                                 | 0:01:02  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 16:41:22                                  | 16:42:22                                 | 0:01:00  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 16:41:34                                  | 16:42:28                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 16:41:38                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 16:41:43                                  | 16:42:31                                 | 0:00:48  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 16:42:01                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | Van          | 16:42:06                                  | 16:43:01                                 | 0:00:55  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 16:42:12                                  | 16:43:04                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 16:43:19                                  | 16:44:09                                 | 0:00:50  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 16:43:22                                  | 16:44:12                                 | 0:00:50  | WBR                                                         | WBR                                                  |
| Red              | Truck        | 16:43:34                                  | 16:44:34                                 | 0:01:00  | WBR                                                         | WBR                                                  |
| White            | SUV          | 16:44:05                                  | 16:45:01                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| White            | SUV          | 16:44:47                                  | 16:45:46                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 16:47:13                                  | 16:48:02                                 | 0:00:49  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 16:47:22                                  | 16:48:24                                 | 0:01:02  | WBR                                                         | WBR                                                  |
| Red              | Truck        | 16:47:53                                  | X                                        |          | WBR                                                         | X                                                    |
| Red              | Sedan        | 16:48:02                                  | 16:48:50                                 | 0:00:48  | WBR                                                         | WBR                                                  |
| Meroon           | Truck        | 16:48:17                                  | 16:49:04                                 | 0:00:47  | WBR                                                         | WBR                                                  |
| White            | Van          | 16:48:24                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Crossover    | 16:48:35                                  | 16:49:24                                 | 0:00:49  | WBR                                                         | WBR                                                  |
| White            | Crossover    | 16:48:58                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 16:49:59                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | Sedan        | 16:50:34                                  | 16:51:32                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 16:50:44                                  | 16:51:39                                 | 0:00:55  | EBL                                                         | WBR                                                  |
| Grey             | Jeep         | 16:51:22                                  | X                                        |          | WBR                                                         | X                                                    |



Northbound - Starting from Knapp Dr & Theodore St

Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Meroon           | Sedan        | 16:52:58                                  | 16:53:47                                 | 0:00:49  | EBL                                                         | WBR                                                  |
| Green            | Crossover    | 16:53:16                                  | 16:54:05                                 | 0:00:49  | EBL                                                         | WBR                                                  |
| Grey             | Sedan        | 16:53:26                                  | 16:54:19                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 16:53:31                                  | X                                        |          | WBR                                                         | X                                                    |
| Meroon           | Sedan        | 16:54:20                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | Truck        | 16:54:23                                  | 16:55:20                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 16:54:34                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Coupe        | 16:55:00                                  | 16:55:57                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 16:55:33                                  | 16:56:36                                 | 0:01:03  | WBR                                                         | WBR                                                  |
| Meroon           | SUV          | 16:55:37                                  | 16:56:39                                 | 0:01:02  | EBL                                                         | WBR                                                  |
| Silver           | Coupe        | 16:55:46                                  | X                                        |          | WBR                                                         | X                                                    |
| Blue             | Truck        | 16:55:53                                  | 16:57:03                                 | 0:01:10  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 16:55:58                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Truck        | 16:56:07                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | Coupe        | 16:56:15                                  | 16:57:13                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 16:56:18                                  | 16:57:15                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 16:56:58                                  | 16:57:49                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 16:57:18                                  | 16:58:08                                 | 0:00:50  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 16:57:33                                  | 16:58:27                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 16:58:07                                  | 16:59:28                                 | 0:01:21  | WBR                                                         | WBR                                                  |
| White            | Truck        | 16:58:15                                  | X                                        |          | WBR                                                         | X                                                    |
| Meroon           | SUV          | 16:58:37                                  | 16:59:42                                 | 0:01:05  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 16:58:40                                  | 16:59:47                                 | 0:01:07  | EBL                                                         | WBR                                                  |
| Silver           | Crossover    | 16:59:17                                  | 17:00:09                                 | 0:00:52  | EBL                                                         | WBR                                                  |
| White            | Truck        | 16:59:25                                  | 17:00:22                                 | 0:00:57  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 16:59:30                                  | 17:00:25                                 | 0:00:55  | EBL                                                         | WBR                                                  |
| Red              | Sedan        | 16:59:43                                  | 17:00:34                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 17:00:15                                  | 17:01:35                                 | 0:01:20  | WBR                                                         | WBR                                                  |
| Blue             | SUV          | 17:00:24                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 17:00:27                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | SUV          | 17:01:47                                  | 17:02:36                                 | 0:00:49  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 17:02:03                                  | 17:02:51                                 | 0:00:48  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 17:02:25                                  | 17:03:12                                 | 0:00:47  | WBR                                                         | WBR                                                  |
| White            | SUV          | 17:02:34                                  | 17:03:29                                 | 0:00:55  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 17:03:19                                  | 17:04:24                                 | 0:01:05  | WBR                                                         | WBR                                                  |
| White            | Crossover    | 17:04:26                                  | 17:05:26                                 | 0:01:00  | WBR                                                         | WBR                                                  |
| Sandal           | SUV          | 17:04:28                                  | 17:05:35                                 | 0:01:07  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 17:06:50                                  | 17:07:48                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 17:06:59                                  | 17:07:52                                 | 0:00:53  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 17:07:18                                  | 17:08:27                                 | 0:01:09  | NBT                                                         | WBR                                                  |
| Black            | Sedan        | 17:10:07                                  | 17:10:58                                 | 0:00:51  | NBT                                                         | WBR                                                  |
| White            | SUV          | 17:10:20                                  | 17:11:09                                 | 0:00:49  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 17:10:22                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | Sedan        | 17:10:30                                  | 17:11:21                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| White            | Van          | 17:11:13                                  | 17:12:21                                 | 0:01:08  | WBR                                                         | WBR                                                  |
| Red              | Sedan        | 17:11:57                                  | 17:12:58                                 | 0:01:01  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 17:12:39                                  | 17:13:28                                 | 0:00:49  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 17:13:13                                  | 17:14:56                                 | 0:01:43  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 17:13:44                                  | 17:15:15                                 | 0:01:31  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 17:14:34                                  | 17:15:21                                 | 0:00:47  | WBR                                                         | WBR                                                  |
| White            | SUV          | 17:14:44                                  | 17:15:42                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 17:15:29                                  | 17:16:45                                 | 0:01:16  | WBR                                                         | WBR                                                  |
| White            | SUV          | 17:15:33                                  | 17:16:54                                 | 0:01:21  | WBR                                                         | WBR                                                  |
| Sky Blue         | Sedan        | 17:16:28                                  | 17:17:19                                 | 0:00:51  | WBR                                                         | WBR                                                  |

Northbound - Starting from Knapp Dr & Theodore St

Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| White            | SUV          | 17:16:45                                  | 17:17:25                                 | 0:00:40  | WBR                                                         | WBR                                                  |
| White            | SUV          | 17:17:02                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 17:17:06                                  | 17:18:07                                 | 0:01:01  | EBL                                                         | WBR                                                  |
| White            | Sedan        | 17:17:19                                  | 17:18:11                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| Brown            | Truck        | 17:17:54                                  | 17:18:58                                 | 0:01:04  | WBR                                                         | WBR                                                  |
| White            | Truck        | 17:18:02                                  | 17:19:01                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 17:18:59                                  | 17:19:47                                 | 0:00:48  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 17:19:06                                  | 17:19:50                                 | 0:00:44  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 17:19:33                                  | 17:22:01                                 | 0:02:28  | WBR                                                         | WBL                                                  |
| Blue             | SUV          | 17:20:06                                  | 17:20:58                                 | 0:00:52  | EBL                                                         | WBR                                                  |
| Red              | SUV          | 17:20:20                                  | 17:21:12                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| White            | SUV          | 17:20:25                                  | 17:21:32                                 | 0:01:07  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 17:20:27                                  | 17:21:35                                 | 0:01:08  | EBL                                                         | WBR                                                  |
| Black            | Minivan      | 17:20:33                                  | 17:21:37                                 | 0:01:04  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 17:21:30                                  | 17:22:13                                 | 0:00:43  | WBR                                                         | WBR                                                  |
| Sandal           | Sedan        | 17:22:10                                  | 17:23:02                                 | 0:00:52  | EBL                                                         | WBR                                                  |
| Black            | Truck        | 17:22:34                                  | 17:23:25                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 17:22:43                                  | 17:23:32                                 | 0:00:49  | WBR                                                         | WBR                                                  |
| White            | Van          | 17:22:47                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | SUV          | 17:23:07                                  | 17:23:55                                 | 0:00:48  | EBL                                                         | WBR                                                  |
| Grey             | SUV          | 17:23:50                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | Truck        | 17:24:32                                  | 17:25:43                                 | 0:01:11  | WBR                                                         | WBR                                                  |
| White            | SUV          | 17:24:35                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | Truck        | 17:26:48                                  | 17:28:09                                 | 0:01:21  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 17:28:00                                  | 17:28:49                                 | 0:00:49  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 17:28:26                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | Sedan        | 17:28:54                                  | 17:29:49                                 | 0:00:55  | WBR                                                         | WBR                                                  |
| White            | SUV          | 17:28:57                                  | 17:29:53                                 | 0:00:56  | EBL                                                         | WBR                                                  |
| Black            | Truck        | 17:29:10                                  | 17:30:06                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Sandal           | Sedan        | 17:29:17                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 17:30:06                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 17:30:19                                  | 17:31:03                                 | 0:00:44  | WBR                                                         | WBR                                                  |
| Red              | Sedan        | 17:30:31                                  | 17:31:19                                 | 0:00:48  | WBR                                                         | WBR                                                  |
| Blue             | Sedan        | 17:30:43                                  | X                                        |          | EBL                                                         | X                                                    |
| Grey             | SUV          | 17:30:53                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 17:30:56                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | Truck        | 17:32:33                                  | 17:33:26                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 17:32:42                                  | 17:33:30                                 | 0:00:48  | WBR                                                         | WBR                                                  |
| Light Gray       | Sedan        | 17:33:21                                  | 17:34:30                                 | 0:01:09  | WBR                                                         | WBR                                                  |
| White            | SUV          | 17:34:07                                  | 17:34:56                                 | 0:00:49  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 17:34:14                                  | 17:35:04                                 | 0:00:50  | EBL                                                         | WBR                                                  |
| Red              | SUV          | 17:34:49                                  | 17:35:42                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| Grey             | Truck        | 17:35:07                                  | X                                        |          | WBR                                                         | X                                                    |
| Brown            | Truck        | 17:35:12                                  | 17:36:09                                 | 0:00:57  | EBL                                                         | WBR                                                  |
| White            | Sedan        | 17:35:17                                  | 17:36:11                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 17:36:13                                  | 17:37:11                                 | 0:00:58  | EBL                                                         | WBR                                                  |
| Red              | Crossover    | 17:36:41                                  | 17:37:32                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 17:38:28                                  | 17:39:16                                 | 0:00:48  | EBL                                                         | WBR                                                  |
| White            | Sedan        | 17:38:43                                  | 17:39:42                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Brown            | Truck        | 17:40:20                                  | X                                        |          | WBR                                                         | X                                                    |
| Sandal           | SUV          | 17:40:29                                  | X                                        |          | EBL                                                         | X                                                    |
| Sandal           | SUV          | 17:41:19                                  | 17:42:17                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Blue             | Sedan        | 17:43:00                                  | 17:44:02                                 | 0:01:02  | WBR                                                         | WBR                                                  |
| White            | Truck        | 17:44:14                                  | 17:45:14                                 | 0:01:00  | WBR                                                         | WBR                                                  |



Northbound - Starting from Knapp Dr & Theodore St

Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Grey             | SUV          | 17:44:19                                  | 17:45:17                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 17:44:22                                  | 17:45:19                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Sandal           | Sedan        | 17:44:45                                  | 17:45:41                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 17:45:36                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | SUV          | 17:46:01                                  | 17:47:26                                 | 0:01:25  | EBL                                                         | WBR                                                  |
| Red              | Sedan        | 17:46:34                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | SUV          | 17:47:25                                  | 17:48:19                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 17:48:03                                  | 17:48:56                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 17:48:35                                  | 17:49:32                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 17:49:04                                  | 17:49:53                                 | 0:00:49  | WBR                                                         | WBR                                                  |
| Brown            | SUV          | 17:49:17                                  | 17:50:07                                 | 0:00:50  | EBL                                                         | WBR                                                  |
| White            | Sedan        | 17:49:44                                  | 17:50:34                                 | 0:00:50  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 17:50:08                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | Sedan        | 17:50:38                                  | 17:51:28                                 | 0:00:50  | EBL                                                         | WBR                                                  |
| Blue             | Van          | 17:50:45                                  | 17:51:42                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 17:50:48                                  | X                                        |          | WBR                                                         | X                                                    |
| Red              | Truck        | 17:51:02                                  | 17:52:00                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 17:51:17                                  | 17:52:04                                 | 0:00:47  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 17:51:19                                  | 17:52:10                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 17:51:51                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 17:52:32                                  | 17:53:24                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 17:52:58                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 17:53:30                                  | 17:54:20                                 | 0:00:50  | EBL                                                         | WBR                                                  |
| Grey             | SUV          | 17:53:58                                  | 17:54:47                                 | 0:00:49  | WBR                                                         | WBR                                                  |
| Sandal           | Sedan        | 17:54:00                                  | 17:54:52                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 17:54:02                                  | X                                        |          | WBR                                                         | X                                                    |
| Sandal           | Sedan        | 17:54:25                                  | 17:55:12                                 | 0:00:47  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 17:54:38                                  | 17:55:57                                 | 0:01:19  | EBL                                                         | WBR                                                  |
| Sandal           | SUV          | 17:54:49                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 17:55:08                                  | 17:56:04                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| Sandal           | Truck        | 17:55:10                                  | 17:55:59                                 | 0:00:49  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 17:55:56                                  | 17:57:02                                 | 0:01:06  | WBR                                                         | WBR                                                  |
| White            | Truck        | 17:56:26                                  | X                                        |          | EBL                                                         | X                                                    |
| Light Green      | SUV          | 17:57:05                                  | 17:58:06                                 | 0:01:01  | WBR                                                         | WBR                                                  |
| Sandal           | Van          | 17:57:09                                  | 17:58:09                                 | 0:01:00  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 17:57:53                                  | 17:58:44                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 17:58:55                                  | 17:59:59                                 | 0:01:04  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 17:58:58                                  | 18:00:01                                 | 0:01:03  | EBL                                                         | WBR                                                  |
| Brown            | SUV          | 17:59:38                                  | 18:00:24                                 | 0:00:46  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 18:00:39                                  | 18:01:34                                 | 0:00:55  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 18:02:19                                  | 18:03:07                                 | 0:00:48  | WBR                                                         | WBR                                                  |
| Grey             | Truck        | 18:02:55                                  | 18:03:48                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| White            | SUV          | 18:03:04                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 18:03:06                                  | 18:04:24                                 | 0:01:18  | WBR                                                         | WBR                                                  |
| White            | SUV          | 18:03:12                                  | 18:04:28                                 | 0:01:16  | WBR                                                         | WBR                                                  |
| Gold             | SUV          | 18:03:31                                  | 18:04:38                                 | 0:01:07  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 18:03:58                                  | 18:04:51                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 18:04:08                                  | 18:04:56                                 | 0:00:48  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 18:04:29                                  | 18:05:18                                 | 0:00:49  | WBR                                                         | WBR                                                  |
| Silver           | SUV          | 18:04:55                                  | 18:05:48                                 | 0:00:53  | EBL                                                         | WBR                                                  |
| Grey             | Minivan      | 18:05:05                                  | 18:06:19                                 | 0:01:14  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 18:05:09                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | SUV          | 18:05:17                                  | 18:06:31                                 | 0:01:14  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 18:05:20                                  | 18:06:35                                 | 0:01:15  | EBL                                                         | WBR                                                  |

Northbound - Starting from Knapp Dr & Theodore St

Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| Blue             | Sedan        | 18:05:52                                  | 18:06:47                                 | 0:00:55  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 18:06:41                                  | 18:07:44                                 | 0:01:03  | EBL                                                         | WBR                                                  |
| Blue             | Truck        | 18:07:03                                  | 18:08:06                                 | 0:01:03  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 18:07:24                                  | 18:08:49                                 | 0:01:25  | WBR                                                         | WBR                                                  |
| Blue             | Sedan        | 18:07:52                                  | 18:09:08                                 | 0:01:16  | EBL                                                         | WBL                                                  |
| White            | Sedan        | 18:09:50                                  | 18:11:06                                 | 0:01:16  | EBL                                                         | WBR                                                  |
| Black            | Minivan      | 18:09:58                                  | 18:11:14                                 | 0:01:16  | EBL                                                         | WBR                                                  |
| Grey             | SUV          | 18:11:17                                  | 18:12:08                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 18:11:51                                  | 18:12:38                                 | 0:00:47  | EBL                                                         | WBR                                                  |
| Grey             | SUV          | 18:12:05                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 18:13:22                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 18:14:10                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | Sedan        | 18:14:20                                  | 18:15:55                                 | 0:01:35  | WBR                                                         | WBL                                                  |
| Grey             | Sedan        | 18:14:45                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | Sedan        | 18:14:57                                  | 18:15:59                                 | 0:01:02  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 18:14:59                                  | 18:16:03                                 | 0:01:04  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 18:15:06                                  | 18:16:05                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 18:15:12                                  | 18:16:13                                 | 0:01:01  | WBR                                                         | WBR                                                  |
| White            | SUV          | 18:15:36                                  | 18:16:36                                 | 0:01:00  | WBR                                                         | WBR                                                  |
| Brown            | SUV          | 18:16:54                                  | 18:17:52                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 18:17:04                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | Sedan        | 18:17:11                                  | 18:18:15                                 | 0:01:04  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 18:17:27                                  | 18:18:26                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Grey             | SUV          | 18:17:51                                  | 18:18:42                                 | 0:00:51  | EBL                                                         | WBR                                                  |
| Black            | Minivan      | 18:17:58                                  | 18:18:59                                 | 0:01:01  | EBL                                                         | WBR                                                  |
| White            | SUV          | 18:18:12                                  | X                                        |          | EBL                                                         | X                                                    |
| Green            | Sedan        | 18:18:56                                  | 18:19:55                                 | 0:00:59  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 18:19:49                                  | 18:20:36                                 | 0:00:47  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 18:19:53                                  | 18:20:40                                 | 0:00:47  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 18:20:05                                  | 18:20:57                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| Red              | Sedan        | 18:20:12                                  | 18:21:09                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 18:20:17                                  | 18:21:20                                 | 0:01:03  | EBL                                                         | WBR                                                  |
| White            | SUV          | 18:20:35                                  | 18:21:27                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 18:20:47                                  | 18:22:02                                 | 0:01:15  | WBR                                                         | WBR                                                  |
| White            | Truck        | 18:20:51                                  | 18:22:05                                 | 0:01:14  | WBR                                                         | WBR                                                  |
| Silver           | Sedan        | 18:20:58                                  | 18:22:08                                 | 0:01:10  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 18:21:11                                  | 18:22:11                                 | 0:01:00  | EBL                                                         | WBR                                                  |
| White            | Sedan        | 18:21:44                                  | 18:22:41                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 18:21:48                                  | 18:22:49                                 | 0:01:01  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 18:22:43                                  | 18:23:39                                 | 0:00:56  | EBL                                                         | WBR                                                  |
| Black            | SUV          | 18:23:01                                  | X                                        |          | WBR                                                         | X                                                    |
| Red              | SUV          | 18:23:28                                  | X                                        |          | EBL                                                         | X                                                    |
| Blue             | Van          | 18:23:41                                  | 18:24:43                                 | 0:01:02  | EBL                                                         | WBR                                                  |
| Red              | Sedan        | 18:23:57                                  | 18:24:52                                 | 0:00:55  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 18:24:04                                  | 18:24:55                                 | 0:00:51  | WBR                                                         | WBR                                                  |
| Red              | Truck        | 18:24:29                                  | 18:25:25                                 | 0:00:56  | EBL                                                         | WBR                                                  |
| Grey             | Sedan        | 18:24:30                                  | 18:25:28                                 | 0:00:58  | EBL                                                         | WBR                                                  |
| Grey             | SUV          | 18:25:18                                  | 18:26:26                                 | 0:01:08  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 18:25:23                                  | 18:26:29                                 | 0:01:06  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 18:25:31                                  | 18:26:33                                 | 0:01:02  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 18:25:43                                  | 18:26:47                                 | 0:01:04  | EBL                                                         | WBR                                                  |
| Red              | SUV          | 18:25:58                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 18:26:09                                  | 18:27:03                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| Blue             | SUV          | 18:26:24                                  | 18:27:23                                 | 0:00:59  | WBR                                                         | WBR                                                  |



Northbound - Starting from Knapp Dr & Theodore St

Cam 1 & Cam 2      Cam 5 & 6

| Color of Vehicle | Vehicle Type | Timestamp at<br>Knapp Dr &<br>Theodore St | Timestamp at<br>Larkin Ave &<br>Knapp Dr | Duration | Knapp Dr &<br>Theodore St<br>Movement (EBL,<br>NBT, or WBR) | Larkin Ave &<br>Knapp Dr<br>Movement (WBR<br>or WBL) |
|------------------|--------------|-------------------------------------------|------------------------------------------|----------|-------------------------------------------------------------|------------------------------------------------------|
| White            | SUV          | 18:26:30                                  | 18:27:28                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 18:26:45                                  | 18:27:33                                 | 0:00:48  | EBL                                                         | WBR                                                  |
| White            | SUV          | 18:27:26                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | Sedan        | 18:28:44                                  | 18:29:33                                 | 0:00:49  | WBR                                                         | WBR                                                  |
| Blue             | SUV          | 18:29:00                                  | X                                        |          | WBR                                                         | X                                                    |
| Blue             | Sedan        | 18:29:38                                  | 18:30:44                                 | 0:01:06  | WBR                                                         | WBR                                                  |
| Blue             | Sedan        | 18:30:09                                  | 18:31:14                                 | 0:01:05  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 18:31:31                                  | 18:32:33                                 | 0:01:02  | WBR                                                         | WBR                                                  |
| White            | Heavy        | 18:32:22                                  | 18:33:20                                 | 0:00:58  | EBL                                                         | WBR                                                  |
| Grey             | SUV          | 18:33:08                                  | X                                        |          | EBL                                                         | X                                                    |
| Red              | Sedan        | 18:33:41                                  | X                                        |          | EBL                                                         | X                                                    |
| Black            | Jeep         | 18:33:43                                  | X                                        |          | EBL                                                         | X                                                    |
| Grey             | SUV          | 18:34:01                                  | 18:35:01                                 | 0:01:00  | WBR                                                         | WBR                                                  |
| White            | Truck        | 18:34:46                                  | 18:35:36                                 | 0:00:50  | EBL                                                         | WBR                                                  |
| Black            | Sedan        | 18:35:30                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Crossover    | 18:37:50                                  | 18:38:42                                 | 0:00:52  | EBL                                                         | WBR                                                  |
| Red              | Sedan        | 18:38:21                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | SUV          | 18:38:56                                  | 18:39:51                                 | 0:00:55  | EBL                                                         | WBR                                                  |
| Red              | Sedan        | 18:39:51                                  | 18:41:22                                 | 0:01:31  | WBR                                                         | WBR                                                  |
| Black            | SUV          | 18:40:08                                  | 18:41:37                                 | 0:01:29  | WBR                                                         | WBR                                                  |
| Red              | Sedan        | 18:41:54                                  | 18:42:47                                 | 0:00:53  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 18:41:55                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | Truck        | 18:42:30                                  | 18:43:37                                 | 0:01:07  | WBR                                                         | WBR                                                  |
| White            | Crossover    | 18:42:33                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | Sedan        | 18:42:53                                  | 18:43:47                                 | 0:00:54  | WBR                                                         | WBR                                                  |
| Grey             | Sedan        | 18:43:24                                  | 18:44:11                                 | 0:00:47  | WBR                                                         | WBR                                                  |
| White            | SUV          | 18:43:39                                  | 18:44:35                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| White            | SUV          | 18:44:04                                  | 18:44:56                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 18:44:38                                  | X                                        |          | WBR                                                         | X                                                    |
| Black            | SUV          | 18:44:41                                  | 18:45:48                                 | 0:01:07  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 18:46:10                                  | 18:47:02                                 | 0:00:52  | WBR                                                         | WBR                                                  |
| White            | SUV          | 18:46:37                                  | 18:47:47                                 | 0:01:10  | WBR                                                         | WBR                                                  |
| White            | Crossover    | 18:46:43                                  | 18:47:50                                 | 0:01:07  | WBR                                                         | WBR                                                  |
| Black            | Truck        | 18:46:56                                  | 18:47:54                                 | 0:00:58  | WBR                                                         | WBR                                                  |
| Blue             | Sedan        | 18:47:30                                  | 18:48:16                                 | 0:00:46  | EBL                                                         | WBR                                                  |
| White            | SUV          | 18:48:28                                  | 18:49:15                                 | 0:00:47  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 18:48:37                                  | 18:49:43                                 | 0:01:06  | EBL                                                         | WBR                                                  |
| Grey             | Sedan        | 18:49:17                                  | 18:50:14                                 | 0:00:57  | WBR                                                         | WBR                                                  |
| Black            | Sedan        | 18:49:29                                  | 18:50:16                                 | 0:00:47  | WBR                                                         | WBR                                                  |
| Red              | SUV          | 18:49:36                                  | 18:50:38                                 | 0:01:02  | EBL                                                         | WBR                                                  |
| Red              | Sedan        | 18:49:59                                  | 18:50:49                                 | 0:00:50  | WBR                                                         | WBL                                                  |
| Grey             | SUV          | 18:51:08                                  | X                                        |          | WBR                                                         | X                                                    |
| Grey             | SUV          | 18:52:30                                  | 18:53:27                                 | 0:00:57  | EBL                                                         | WBR                                                  |
| Grey             | Truck        | 18:54:11                                  | 18:55:09                                 | 0:00:58  | EBL                                                         | WBR                                                  |
| White            | Truck        | 18:56:34                                  | X                                        |          | WBR                                                         | X                                                    |
| White            | Sedan        | 18:56:40                                  | 18:57:36                                 | 0:00:56  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 18:56:54                                  | 18:57:44                                 | 0:00:50  | WBR                                                         | WBR                                                  |
| Blue             | SUV          | 18:58:05                                  | X                                        |          | EBL                                                         | X                                                    |
| White            | SUV          | 18:58:50                                  | 18:59:50                                 | 0:01:00  | WBR                                                         | WBR                                                  |
| White            | Sedan        | 18:59:56                                  | End of the survey                        |          | WBR                                                         | End of the survey                                    |

Southbound – Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Blue             | Truck        | 7:00:32                            | 7:01:23                             | 0:00:51  | SBL                                         | SBL                                                |
| White            | Sedan        | 7:00:39                            | 7:01:37                             | 0:00:58  | SBL                                         | SBL                                                |
| Black            | Truck        | 7:01:08                            | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 7:03:04                            | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 7:03:45                            | 7:04:33                             | 0:00:48  | SBL                                         | SBL                                                |
| Red              | Sedan        | 7:04:41                            | 7:05:30                             | 0:00:49  | SBL                                         | SBR                                                |
| Grey             | SUV          | 7:06:13                            | 7:07:34                             | 0:01:21  | SBL                                         | SBL                                                |
| Black            | Coupe        | 7:06:25                            | 7:07:38                             | 0:01:13  | SBL                                         | SBL                                                |
| White            | Van          | 7:06:30                            | 7:07:42                             | 0:01:12  | SBL                                         | SBL                                                |
| Black            | SUV          | 7:09:56                            | X                                   |          | SBL                                         | X                                                  |
| Red              | Sedan        | 7:09:59                            | 7:10:56                             | 0:00:57  | SBL                                         | SBR                                                |
| Black            | Sedan        | 7:10:52                            | 7:11:47                             | 0:00:55  | SBL                                         | SBR                                                |
| Grey             | SUV          | 7:11:07                            | 7:12:24                             | 0:01:17  | SBL                                         | SBL                                                |
| White            | Sedan        | 7:12:55                            | 7:13:49                             | 0:00:54  | SBL                                         | SBR                                                |
| Black            | Sedan        | 7:15:45                            | 7:16:49                             | 0:01:04  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 7:15:48                            | 7:16:51                             | 0:01:03  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 7:19:03                            | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 7:19:59                            | 7:21:02                             | 0:01:03  | NBR                                         | SBL                                                |
| White            | SUV          | 7:21:38                            | 7:22:56                             | 0:01:18  | SBL                                         | SBL                                                |
| Grey             | SUV          | 7:21:53                            | 7:23:10                             | 0:01:17  | SBL                                         | SBL                                                |
| Blue             | SUV          | 7:23:38                            | 7:24:47                             | 0:01:09  | SBL                                         | SBL                                                |
| White            | Sedan        | 7:23:55                            | 7:24:57                             | 0:01:02  | SBL                                         | SBL                                                |
| White            | Truck        | 7:25:48                            | 7:26:36                             | 0:00:48  | SBL                                         | SBR                                                |
| Blue             | Sedan        | 7:25:50                            | 7:26:38                             | 0:00:48  | SBL                                         | SBL                                                |
| White            | Sedan        | 7:25:56                            | 7:27:11                             | 0:01:15  | NBR                                         | SBR                                                |
| White            | Truck        | 7:26:00                            | 7:27:14                             | 0:01:14  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 7:28:00                            | 7:29:20                             | 0:01:20  | SBL                                         | SBR                                                |
| Black            | Sedan        | 7:28:23                            | 7:29:28                             | 0:01:05  | SBL                                         | SBL                                                |
| White            | Truck        | 7:28:27                            | 7:29:35                             | 0:01:08  | SBL                                         | SBL                                                |
| White            | SUV          | 7:29:26                            | 7:30:06                             | 0:00:40  | NBR                                         | SBL                                                |
| Black            | Sedan        | 7:30:52                            | 7:31:58                             | 0:01:06  | NBR                                         | SBL                                                |
| Black            | SUV          | 7:31:41                            | 7:33:05                             | 0:01:24  | NBR                                         | SBL                                                |
| Black            | SUV          | 7:33:18                            | 7:34:07                             | 0:00:49  | SBL                                         | SBL                                                |
| Grey             | SUV          | 7:33:49                            | 7:34:59                             | 0:01:10  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 7:34:47                            | X                                   |          | NBR                                         | X                                                  |
| Black            | Sedan        | 7:34:57                            | 7:35:42                             | 0:00:45  | NBR                                         | SBL                                                |
| White            | Heavy        | 7:36:42                            | X                                   |          | SBL                                         | X                                                  |
| Red              | Sedan        | 7:36:46                            | 7:37:46                             | 0:01:00  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 7:36:53                            | 7:37:55                             | 0:01:02  | SBL                                         | SBL                                                |
| Black & White    | Truck        | 7:38:27                            | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 7:38:38                            | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 7:39:03                            | 7:39:56                             | 0:00:53  | SBL                                         | SBR                                                |
| Black            | Sedan        | 7:40:05                            | 7:40:59                             | 0:00:54  | SBL                                         | SBR                                                |
| Grey             | SUV          | 7:40:24                            | 7:41:17                             | 0:00:53  | SBL                                         | SBL                                                |
| Grey             | Truck        | 7:40:27                            | 7:41:21                             | 0:00:54  | SBL                                         | SBR                                                |
| Silver           | SUV          | 7:41:00                            | 7:42:00                             | 0:01:00  | SBL                                         | SBL                                                |
| White            | Sedan        | 7:41:32                            | 7:42:24                             | 0:00:52  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 7:42:17                            | 7:43:14                             | 0:00:57  | SBL                                         | SBR                                                |
| Red              | Sedan        | 7:42:19                            | 7:43:18                             | 0:00:59  | SBL                                         | SBR                                                |
| Black            | Sedan        | 7:42:22                            | 7:43:21                             | 0:00:59  | SBL                                         | SBR                                                |
| Black            | Truck        | 7:42:23                            | 7:43:23                             | 0:01:00  | SBL                                         | SBL                                                |
| Orange           | Van          | 7:42:27                            | 7:43:30                             | 0:01:03  | SBL                                         | SBL                                                |
| Grey             | Heavy        | 7:42:43                            | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 7:43:11                            | 7:44:13                             | 0:01:02  | SBL                                         | SBL                                                |



Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Grey             | SUV          | 7:44:49                            | 7:45:42                             | 0:00:53  | SBL                                         | SBL                                                |
| Brown            | Sedan        | 7:45:00                            | 7:46:03                             | 0:01:03  | SBL                                         | SBL                                                |
| Grey             | SUV          | 7:45:51                            | X                                   |          | NBR                                         | X                                                  |
| Red              | SUV          | 7:45:53                            | 7:47:02                             | 0:01:09  | SBL                                         | SBL                                                |
| White            | Sedan        | 7:46:27                            | 7:47:42                             | 0:01:15  | SBL                                         | SBR                                                |
| Grey             | SUV          | 7:47:17                            | X                                   |          | NBR                                         | X                                                  |
| White            | SUV          | 7:47:49                            | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 7:48:30                            | 7:49:29                             | 0:00:59  | SBL                                         | SBL                                                |
| White            | SUV          | 7:51:04                            | 7:51:58                             | 0:00:54  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 7:51:28                            | 7:52:22                             | 0:00:54  | SBL                                         | SBL                                                |
| Grey             | SUV          | 7:51:49                            | 7:52:45                             | 0:00:56  | SBL                                         | SBR                                                |
| Blue             | SUV          | 7:53:19                            | 7:54:13                             | 0:00:54  | SBL                                         | SBR                                                |
| Black            | Sedan        | 7:53:28                            | X                                   |          | SBL                                         | X                                                  |
| Grey             | Truck        | 7:53:33                            | 7:54:36                             | 0:01:03  | SBL                                         | SBL                                                |
| Grey             | SUV          | 7:53:55                            | X                                   |          | NBR                                         | X                                                  |
| Black            | Truck        | 7:55:26                            | 7:56:29                             | 0:01:03  | SBL                                         | SBR                                                |
| Black            | SUV          | 7:56:27                            | 7:57:23                             | 0:00:56  | SBL                                         | SBR                                                |
| Black            | Truck        | 7:57:44                            | 7:58:51                             | 0:01:07  | SBL                                         | SBL                                                |
| Black            | Sedan        | 7:58:58                            | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 7:59:19                            | 8:00:32                             | 0:01:13  | SBL                                         | SBL                                                |
| Black            | Truck        | 7:59:38                            | 8:00:37                             | 0:00:59  | SBL                                         | SBL                                                |
| White            | SUV          | 8:01:04                            | X                                   |          | SBL                                         | X                                                  |
| Red              | Sedan        | 8:01:15                            | 8:02:20                             | 0:01:05  | SBL                                         | SBL                                                |
| Maroon           | Truck        | 8:01:37                            | 8:02:41                             | 0:01:04  | SBL                                         | SBR                                                |
| White            | Truck        | 8:02:41                            | 8:03:39                             | 0:00:58  | SBL                                         | SBL                                                |
| Black            | SUV          | 8:02:55                            | 8:04:05                             | 0:01:10  | SBL                                         | SBL                                                |
| Black            | SUV          | 8:03:02                            | 8:04:20                             | 0:01:18  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 8:04:04                            | 8:05:02                             | 0:00:58  | SBL                                         | SBL                                                |
| Maroon           | Sedan        | 8:06:08                            | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 8:06:19                            | 8:07:45                             | 0:01:26  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 8:07:43                            | 8:08:44                             | 0:01:01  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 8:08:18                            | X                                   |          | SBL                                         | X                                                  |
| Red              | SUV          | 8:08:28                            | 8:09:22                             | 0:00:54  | SBL                                         | SBR                                                |
| Grey             | SUV          | 8:08:30                            | 8:09:27                             | 0:00:57  | SBL                                         | SBR                                                |
| Grey             | Heavy        | 8:10:07                            | 8:11:20                             | 0:01:13  | SBL                                         | SBR                                                |
| Black            | SUV          | 8:10:36                            | 8:11:36                             | 0:01:00  | SBL                                         | SBR                                                |
| Black            | Sedan        | 8:10:49                            | 8:11:40                             | 0:00:51  | SBL                                         | SBT                                                |
| Grey             | SUV          | 8:11:23                            | 8:12:16                             | 0:00:53  | SBL                                         | SBR                                                |
| Black            | Sedan        | 8:11:25                            | 8:12:28                             | 0:01:03  | SBL                                         | SBL                                                |
| White            | SUV          | 8:11:37                            | 8:12:32                             | 0:00:55  | SBL                                         | SBR                                                |
| Black            | Truck        | 8:13:47                            | 8:14:43                             | 0:00:56  | SBL                                         | SBR                                                |
| White            | Sedan        | 8:15:13                            | 8:16:37                             | 0:01:24  | SBL                                         | SBR                                                |
| Black            | SUV          | 8:16:01                            | 8:17:04                             | 0:01:03  | SBL                                         | SBR                                                |
| Silver           | Van          | 8:17:35                            | 8:18:52                             | 0:01:17  | SBL                                         | SBL                                                |
| Blue             | SUV          | 8:17:44                            | 8:18:55                             | 0:01:11  | SBL                                         | SBL                                                |
| Black            | SUV          | 8:18:45                            | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 8:18:47                            | 8:19:42                             | 0:00:55  | SBL                                         | SBT                                                |
| White            | SUV          | 8:19:16                            | 8:20:07                             | 0:00:51  | SBL                                         | SBL                                                |
| Grey             | SUV          | 8:19:23                            | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 8:19:53                            | 8:20:44                             | 0:00:51  | NBR                                         | SBR                                                |
| Red              | SUV          | 8:20:04                            | 8:20:55                             | 0:00:51  | NBR                                         | SBL                                                |
| White            | SUV          | 8:20:30                            | 8:21:13                             | 0:00:43  | NBR                                         | SBL                                                |
| White            | SUV          | 8:20:38                            | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 8:20:57                            | 8:21:52                             | 0:00:55  | SBL                                         | SBR                                                |

Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| White            | Sedan        | 8:21:23                            | 8:22:17                             | 0:00:54  | SBL                                         | SBL                                                |
| Grey             | SUV          | 8:21:25                            | 8:22:33                             | 0:01:08  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 8:22:42                            | 8:23:36                             | 0:00:54  | SBL                                         | SBR                                                |
| Grey             | Truck        | 8:22:56                            | 8:23:46                             | 0:00:50  | SBL                                         | SBR                                                |
| Grey             | SUV          | 8:24:24                            | 8:25:19                             | 0:00:55  | SBL                                         | SBL                                                |
| Blue             | SUV          | 8:24:26                            | 8:25:34                             | 0:01:08  | SBL                                         | SBL                                                |
| Black            | SUV          | 8:24:41                            | X                                   |          | NBR                                         | X                                                  |
| Grey             | Sedan        | 8:25:02                            | 8:26:07                             | 0:01:05  | SBL                                         | SBL                                                |
| Yellow           | Bus          | 8:28:03                            | 8:29:14                             | 0:01:11  | SBL                                         | SBL                                                |
| Black            | Sedan        | 8:28:06                            | 8:29:03                             | 0:00:57  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 8:29:42                            | X                                   |          | SBL                                         | X                                                  |
| Silver           | SUV          | 8:30:14                            | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 8:30:38                            | 8:31:34                             | 0:00:56  | SBL                                         | SBR                                                |
| White            | Heavy        | 8:32:16                            | 8:33:35                             | 0:01:19  | SBL                                         | SBL                                                |
| White            | SUV          | 8:32:31                            | X                                   |          | NBR                                         | X                                                  |
| Red              | Sedan        | 8:32:48                            | X                                   |          | SBL                                         | X                                                  |
| Blue             | Truck        | 8:37:53                            | 8:39:09                             | 0:01:16  | NBR                                         | SBR                                                |
| Grey             | SUV          | 8:37:58                            | 8:39:18                             | 0:01:20  | SBL                                         | SBR                                                |
| Blue             | Truck        | 8:38:02                            | 8:39:32                             | 0:01:30  | SBL                                         | SBR                                                |
| Gold             | SUV          | 8:38:07                            | 8:39:33                             | 0:01:26  | SBL                                         | SBL                                                |
| Grey             | SUV          | 8:38:08                            | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 8:38:11                            | 8:39:41                             | 0:01:30  | SBL                                         | SBL                                                |
| Black            | SUV          | 8:38:12                            | 8:39:53                             | 0:01:41  | SBL                                         | SBL                                                |
| Black            | SUV          | 8:38:19                            | 8:39:52                             | 0:01:33  | SBL                                         | SBR                                                |
| Black            | Truck        | 8:38:37                            | 8:40:20                             | 0:01:43  | SBL                                         | SBL                                                |
| Black            | Sedan        | 8:40:08                            | X                                   |          | SBL                                         | X                                                  |
| White            | Heavy        | 8:40:25                            | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 8:41:08                            | X                                   |          | SBL                                         | X                                                  |
| White            | Truck        | 8:41:10                            | 8:42:14                             | 0:01:04  | SBL                                         | SBR                                                |
| Black            | Sedan        | 8:41:25                            | 8:42:48                             | 0:01:23  | SBL                                         | SBR                                                |
| Silver           | Sedan        | 8:42:34                            | 8:44:07                             | 0:01:33  | NBR                                         | SBL                                                |
| Red              | SUV          | 8:42:48                            | 8:43:58                             | 0:01:10  | SBL                                         | SBR                                                |
| Silver           | Sedan        | 8:43:47                            | 8:44:33                             | 0:00:46  | SBL                                         | SBR                                                |
| Silver           | Van          | 8:44:13                            | X                                   |          | NBR                                         | X                                                  |
| White            | Truck        | 8:45:28                            | 8:47:12                             | 0:01:44  | SBL                                         | SBR                                                |
| Red              | Sedan        | 8:45:56                            | X                                   |          | NBR                                         | X                                                  |
| Red              | Sedan        | 8:45:58                            | 8:46:53                             | 0:00:55  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 8:46:05                            | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 8:47:49                            | 8:48:38                             | 0:00:49  | SBL                                         | SBL                                                |
| White            | Sedan        | 8:48:03                            | 8:49:26                             | 0:01:23  | SBL                                         | SBL                                                |
| Grey             | SUV          | 8:48:07                            | 8:49:32                             | 0:01:25  | SBL                                         | SBL                                                |
| White            | Van          | 8:50:16                            | 8:51:12                             | 0:00:56  | SBL                                         | SBL                                                |
| Black            | SUV          | 8:50:39                            | X                                   |          | SBL                                         | X                                                  |
| Black            | Truck        | 8:51:30                            | 8:52:40                             | 0:01:10  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 8:52:42                            | 8:53:42                             | 0:01:00  | SBL                                         | SBL                                                |
| Black            | Sedan        | 8:52:57                            | 8:54:30                             | 0:01:33  | SBL                                         | SBL                                                |
| Maroon           | SUV          | 8:53:32                            | 8:54:44                             | 0:01:12  | SBL                                         | SBL                                                |
| Black            | SUV          | 8:53:48                            | 8:54:48                             | 0:01:00  | SBL                                         | SBL                                                |
| Black            | Truck        | 8:55:32                            | 8:56:21                             | 0:00:49  | SBL                                         | SBR                                                |
| Black            | SUV          | 8:55:36                            | 8:56:50                             | 0:01:14  | SBL                                         | SBL                                                |
| Silver           | SUV          | 8:56:13                            | 8:57:03                             | 0:00:50  | SBL                                         | SBL                                                |
| Grey             | SUV          | 8:58:07                            | 8:59:12                             | 0:01:05  | SBL                                         | SBL                                                |
| Grey             | SUV          | 8:59:21                            | 9:00:42                             | 0:01:21  | SBL                                         | SBR                                                |
| Black            | SUV          | 9:00:18                            | 9:01:24                             | 0:01:06  | SBL                                         | SBR                                                |



Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Black            | Sedan        | 9:00:30                            | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 9:01:19                            | X                                   |          | NBR                                         | X                                                  |
| Black            | Sedan        | 9:01:22                            | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 9:03:21                            | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 9:03:24                            | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 9:04:37                            | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 9:05:22                            | X                                   |          | SBL                                         | X                                                  |
| Black            | Truck        | 9:06:21                            | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 9:06:23                            | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 9:08:05                            | 9:09:07                             | 0:01:02  | SBL                                         | SBL                                                |
| Grey             | SUV          | 9:09:27                            | X                                   |          | NBR                                         | X                                                  |
| Grey             | SUV          | 9:10:42                            | 9:12:26                             | 0:01:44  | SBL                                         | SBR                                                |
| White            | Sedan        | 9:10:53                            | 9:12:28                             | 0:01:35  | SBL                                         | SBR                                                |
| Black            | SUV          | 9:11:10                            | 9:12:32                             | 0:01:22  | SBL                                         | SBR                                                |
| White            | Sedan        | 9:11:17                            | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 9:12:20                            | X                                   |          | NBR                                         | X                                                  |
| White            | Truck        | 9:14:04                            | 9:15:00                             | 0:00:56  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 9:15:06                            | 9:16:39                             | 0:01:33  | NBR                                         | SBL                                                |
| Black            | Truck        | 9:15:11                            | 9:16:43                             | 0:01:32  | SBL                                         | SBL                                                |
| Black            | Sedan        | 9:16:08                            | 9:17:09                             | 0:01:01  | SBL                                         | SBR                                                |
| White            | Sedan        | 9:16:38                            | X                                   |          | SBL                                         | X                                                  |
| Black            | Truck        | 9:16:40                            | 9:18:35                             | 0:01:55  | SBL                                         | SBL                                                |
| Black            | SUV          | 9:16:43                            | 9:18:41                             | 0:01:58  | SBL                                         | SBL                                                |
| Grey             | SUV          | 9:17:23                            | 9:18:48                             | 0:01:25  | NBR                                         | SBR                                                |
| Black            | SUV          | 9:18:29                            | 9:19:27                             | 0:00:58  | SBL                                         | SBR                                                |
| Red              | SUV          | 9:18:31                            | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 9:18:34                            | 9:19:46                             | 0:01:12  | SBL                                         | SBL                                                |
| Grey             | SUV          | 9:19:12                            | 9:20:11                             | 0:00:59  | SBL                                         | SBL                                                |
| Blue             | SUV          | 9:19:19                            | 9:21:14                             | 0:01:55  | SBL                                         | SBL                                                |
| Grey             | SUV          | 9:19:23                            | X                                   |          | SBL                                         | X                                                  |
| Black            | Truck        | 9:20:53                            | X                                   |          | SBL                                         | X                                                  |
| Blue             | SUV          | 9:22:23                            | X                                   |          | SBL                                         | X                                                  |
| Black            | Truck        | 9:23:08                            | 9:24:21                             | 0:01:13  | NBR                                         | SBR                                                |
| White            | SUV          | 9:23:29                            | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 9:23:57                            | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 9:24:06                            | 9:24:59                             | 0:00:53  | SBL                                         | SBR                                                |
| Red              | SUV          | 9:25:23                            | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 9:25:26                            | X                                   |          | SBL                                         | X                                                  |
| Silver           | Sedan        | 9:25:59                            | 9:27:07                             | 0:01:08  | SBL                                         | SBL                                                |
| Red              | SUV          | 9:26:07                            | 9:27:29                             | 0:01:22  | SBL                                         | SBL                                                |
| White            | Truck        | 9:27:22                            | 9:28:49                             | 0:01:27  | NBR                                         | SBL                                                |
| Grey             | SUV          | 9:27:27                            | 9:29:18                             | 0:01:51  | SBL                                         | SBL                                                |
| White            | SUV          | 9:30:24                            | X                                   |          | SBL                                         | X                                                  |
| Brown            | SUV          | 9:30:47                            | 9:31:44                             | 0:00:57  | NBR                                         | SBR                                                |
| Grey             | SUV          | 9:31:13                            | 9:32:45                             | 0:01:32  | SBL                                         | SBL                                                |
| Black            | Truck        | 9:33:31                            | 9:34:48                             | 0:01:17  | SBL                                         | SBL                                                |
| White            | SUV          | 9:34:25                            | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 9:34:51                            | 9:35:48                             | 0:00:57  | SBL                                         | SBR                                                |
| Black            | SUV          | 9:36:01                            | 9:37:02                             | 0:01:01  | SBL                                         | SBR                                                |
| Black            | Sedan        | 9:37:10                            | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 9:37:14                            | 9:38:19                             | 0:01:05  | SBL                                         | SBR                                                |
| Blue             | Sedan        | 9:38:08                            | 9:38:59                             | 0:00:51  | SBL                                         | SBR                                                |
| White            | SUV          | 9:39:05                            | X                                   |          | NBR                                         | X                                                  |
| White            | SUV          | 9:39:08                            | 9:40:17                             | 0:01:09  | SBL                                         | SBL                                                |

Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6 Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Grey             | SUV          | 9:39:11                            | X                                   |          | SBL                                         | X                                                  |
| White            | Truck        | 9:39:25                            | 9:40:22                             | 0:00:57  | SBL                                         | SBL                                                |
| White            | Sedan        | 9:41:02                            | X                                   |          | SBL                                         | X                                                  |
| White            | Truck        | 9:42:02                            | 9:42:56                             | 0:00:54  | SBL                                         | SBR                                                |
| Grey             | SUV          | 9:42:11                            | 9:43:02                             | 0:00:51  | NBR                                         | SBR                                                |
| White            | SUV          | 9:42:26                            | 9:43:20                             | 0:00:54  | SBL                                         | SBR                                                |
| Grey             | SUV          | 9:42:28                            | 9:43:49                             | 0:01:21  | SBL                                         | SBL                                                |
| Black            | Sedan        | 9:42:30                            | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 9:43:09                            | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 9:43:12                            | X                                   |          | SBL                                         | X                                                  |
| Red              | Truck        | 9:43:24                            | X                                   |          | SBL                                         | X                                                  |
| Red              | Sedan        | 9:43:52                            | 9:44:46                             | 0:00:54  | SBL                                         | SBR                                                |
| White            | SUV          | 9:43:55                            | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 9:44:03                            | 9:45:08                             | 0:01:05  | NBR                                         | SBL                                                |
| Grey             | SUV          | 9:44:23                            | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 9:44:25                            | 9:45:50                             | 0:01:25  | SBL                                         | SBL                                                |
| Grey             | SUV          | 9:44:33                            | X                                   |          | NBR                                         | X                                                  |
| White            | SUV          | 9:45:08                            | 9:45:54                             | 0:00:46  | NBR                                         | SBL                                                |
| White            | Sedan        | 9:46:20                            | X                                   |          | NBR                                         | X                                                  |
| White            | Sedan        | 9:46:27                            | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 9:46:33                            | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 9:46:43                            | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 9:46:46                            | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 9:47:20                            | X                                   |          | SBL                                         | X                                                  |
| Red              | Truck        | 9:47:58                            | 9:48:59                             | 0:01:01  | SBL                                         | SBR                                                |
| Red              | Sedan        | 9:48:16                            | 9:49:12                             | 0:00:56  | SBL                                         | SBR                                                |
| White            | Truck        | 9:48:19                            | 9:49:17                             | 0:00:58  | SBL                                         | SBR                                                |
| Grey             | SUV          | 9:50:21                            | 9:51:27                             | 0:01:06  | SBL                                         | SBR                                                |
| White            | Sedan        | 9:50:23                            | 9:51:30                             | 0:01:07  | SBL                                         | SBL                                                |
| Grey             | Truck        | 9:52:07                            | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 9:52:12                            | X                                   |          | NBR                                         | X                                                  |
| Grey             | Truck        | 9:52:19                            | X                                   |          | SBL                                         | X                                                  |
| Blue             | Sedan        | 9:52:36                            | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 9:52:46                            | X                                   |          | SBL                                         | X                                                  |
| Silver           | Sedan        | 9:52:53                            | X                                   |          | NBR                                         | X                                                  |
| Red              | Sedan        | 9:52:57                            | X                                   |          | NBR                                         | X                                                  |
| Silver           | SUV          | 9:53:10                            | X                                   |          | NBR                                         | X                                                  |
| Grey             | Sedan        | 9:53:15                            | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 9:53:49                            | X                                   |          | NBR                                         | X                                                  |
| White            | Sedan        | 9:54:22                            | 9:55:22                             | 0:01:00  | SBL                                         | SBL                                                |
| White            | SUV          | 9:54:32                            | X                                   |          | SBL                                         | X                                                  |
| White            | Truck        | 9:54:45                            | 9:55:51                             | 0:01:06  | SBL                                         | SBR                                                |
| Black            | SUV          | 9:55:43                            | X                                   |          | NBR                                         | X                                                  |
| Black            | Truck        | 9:55:46                            | X                                   |          | NBR                                         | X                                                  |
| Grey             | SUV          | 9:56:52                            | 9:58:02                             | 0:01:10  | SBL                                         | SBR                                                |
| Black            | SUV          | 9:58:30                            | X                                   |          | NBR                                         | X                                                  |
| Grey             | Sedan        | 9:58:52                            | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 9:58:55                            | X                                   |          | SBL                                         | X                                                  |
| Black            | Truck        | 9:59:03                            | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 9:59:05                            | 10:00:06                            | 0:01:01  | SBL                                         | SBR                                                |
| Red              | Van          | 9:59:08                            | X                                   |          | SBL                                         | X                                                  |
| Silver           | Sedan        | 9:59:10                            | X                                   |          | SBL                                         | X                                                  |
| Gold             | Sedan        | 9:59:27                            | 10:00:28                            | 0:01:01  | NBR                                         | SBL                                                |
| Black            | Sedan        | 9:59:29                            | 10:00:36                            | 0:01:07  | SBL                                         | SBL                                                |



Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6 Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Black            | SUV          | 10:00:04                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 10:00:06                           | X                                   |          | SBL                                         | X                                                  |
| Red              | SUV          | 10:00:54                           | X                                   |          | NBR                                         | X                                                  |
| Black            | Sedan        | 10:00:57                           | 10:02:05                            | 0:01:08  | SBL                                         | SBL                                                |
| White            | Sedan        | 10:01:14                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 10:02:26                           | 10:04:01                            | 0:01:35  | NBR                                         | SBT                                                |
| Blue             | SUV          | 10:02:36                           | X                                   |          | SBL                                         | X                                                  |
| White            | Truck        | 10:04:45                           | X                                   |          | SBL                                         | X                                                  |
| Blue             | Sedan        | 10:04:47                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 10:06:17                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 10:07:33                           | 10:08:31                            | 0:00:58  | SBL                                         | SBL                                                |
| White            | Sedan        | 10:07:35                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 10:09:02                           | 10:10:04                            | 0:01:02  | SBL                                         | SBL                                                |
| Black            | Sedan        | 10:10:24                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 10:11:27                           | 10:12:31                            | 0:01:04  | SBL                                         | SBL                                                |
| White            | Sedan        | 10:12:08                           | 10:13:05                            | 0:00:57  | SBL                                         | SBL                                                |
| Grey             | SUV          | 10:12:39                           | 10:13:37                            | 0:00:58  | SBL                                         | SBL                                                |
| Black            | Sedan        | 10:13:29                           | 10:14:13                            | 0:00:44  | SBL                                         | SBR                                                |
| Black            | Sedan        | 10:13:37                           | 10:14:22                            | 0:00:45  | SBL                                         | SBL                                                |
| Black            | Sedan        | 10:14:54                           | 10:15:59                            | 0:01:05  | SBL                                         | SBL                                                |
| White            | SUV          | 10:15:06                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 10:16:39                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 10:16:44                           | X                                   |          | NBR                                         | X                                                  |
| Red              | SUV          | 10:17:21                           | 10:18:34                            | 0:01:13  | NBR                                         | SBL                                                |
| Grey             | Sedan        | 10:17:55                           | X                                   |          | SBL                                         | X                                                  |
| White            | Van          | 10:18:24                           | 10:19:52                            | 0:01:28  | SBL                                         | SBL                                                |
| Red              | SUV          | 10:19:10                           | 10:20:03                            | 0:00:53  | SBL                                         | SBL                                                |
| White            | SUV          | 10:19:27                           | 10:20:36                            | 0:01:09  | SBL                                         | SBL                                                |
| Brown            | Sedan        | 10:20:05                           | 10:21:53                            | 0:01:48  | SBL                                         | SBL                                                |
| Red              | Truck        | 10:20:08                           | 10:21:59                            | 0:01:51  | SBL                                         | SBL                                                |
| Grey             | SUV          | 10:21:07                           | 10:22:17                            | 0:01:10  | NBR                                         | SBR                                                |
| Silver           | SUV          | 10:21:37                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | SUV          | 10:21:39                           | X                                   |          | NBR                                         | X                                                  |
| Black            | Truck        | 10:22:36                           | 10:23:38                            | 0:01:02  | SBL                                         | SBL                                                |
| White            | SUV          | 10:23:26                           | 10:24:34                            | 0:01:08  | SBL                                         | SBL                                                |
| Black            | Sedan        | 10:24:28                           | 10:25:26                            | 0:00:58  | SBL                                         | SBL                                                |
| Black            | SUV          | 10:25:04                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 10:25:08                           | 10:26:06                            | 0:00:58  | SBL                                         | SBL                                                |
| Black            | Sedan        | 10:25:11                           | 10:26:16                            | 0:01:05  | SBL                                         | SBL                                                |
| Red              | Truck        | 10:25:43                           | 10:26:34                            | 0:00:51  | SBL                                         | SBL                                                |
| Grey             | SUV          | 10:26:25                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Truck        | 10:26:40                           | X                                   |          | NBR                                         | X                                                  |
| White            | Sedan        | 10:26:42                           | 10:27:41                            | 0:00:59  | SBL                                         | SBL                                                |
| Red              | SUV          | 10:26:49                           | 10:27:45                            | 0:00:56  | SBL                                         | SBR                                                |
| Red              | SUV          | 10:26:52                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 10:28:29                           | 10:29:28                            | 0:00:59  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 10:28:47                           | X                                   |          | NBR                                         | X                                                  |
| Silver           | SUV          | 10:29:31                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 10:30:25                           | 10:31:19                            | 0:00:54  | SBL                                         | SBR                                                |
| White            | Truck        | 10:30:39                           | X                                   |          | SBL                                         | X                                                  |
| White            | Truck        | 10:31:55                           | 10:32:57                            | 0:01:02  | SBL                                         | SBR                                                |
| Grey             | Truck        | 10:32:58                           | 10:33:55                            | 0:00:57  | SBL                                         | SBL                                                |
| Black            | Sedan        | 10:33:18                           | X                                   |          | SBL                                         | X                                                  |
| White            | Van          | 10:33:25                           | 10:34:45                            | 0:01:20  | SBL                                         | SBL                                                |

Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Black            | SUV          | 10:33:43                           | 10:34:46                            | 0:01:03  | SBL                                         | SBR                                                |
| White            | SUV          | 10:34:22                           | 10:35:29                            | 0:01:07  | SBL                                         | SBL                                                |
| White            | Truck        | 10:34:33                           | 10:35:33                            | 0:01:00  | SBL                                         | SBL                                                |
| Red              | Truck        | 10:35:28                           | X                                   |          | SBL                                         | X                                                  |
| Blue             | SUV          | 10:35:32                           | 10:37:01                            | 0:01:29  | SBL                                         | SBL                                                |
| Blue             | SUV          | 10:38:09                           | 10:40:04                            | 0:01:55  | NBR                                         | SBR                                                |
| Red              | Truck        | 10:39:50                           | X                                   |          | NBR                                         | X                                                  |
| Black            | Sedan        | 10:39:54                           | X                                   |          | SBL                                         | X                                                  |
| White            | Truck        | 10:40:05                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 10:40:08                           | 10:41:42                            | 0:01:34  | SBL                                         | SBR                                                |
| Black            | Sedan        | 10:40:28                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 10:40:37                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 10:42:09                           | 10:43:00                            | 0:00:51  | SBL                                         | SBR                                                |
| Black            | SUV          | 10:42:17                           | 10:43:21                            | 0:01:04  | NBR                                         | SBR                                                |
| Gold             | SUV          | 10:42:24                           | 10:43:28                            | 0:01:04  | SBL                                         | SBR                                                |
| Grey             | SUV          | 10:43:29                           | 10:44:35                            | 0:01:06  | SBL                                         | SBL                                                |
| Black            | Truck        | 10:44:20                           | 10:45:36                            | 0:01:16  | SBL                                         | SBL                                                |
| White            | SUV          | 10:44:41                           | X                                   |          | SBL                                         | X                                                  |
| White            | Van          | 10:45:37                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | SUV          | 10:45:58                           | 10:46:47                            | 0:00:49  | SBL                                         | SBR                                                |
| Black            | SUV          | 10:46:23                           | 10:47:08                            | 0:00:45  | SBL                                         | SBR                                                |
| Grey             | Truck        | 10:46:34                           | X                                   |          | NBR                                         | X                                                  |
| White            | Sedan        | 10:46:37                           | 10:47:43                            | 0:01:06  | SBL                                         | SBL                                                |
| Grey             | SUV          | 10:46:40                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 10:46:49                           | 10:47:49                            | 0:01:00  | SBL                                         | SBR                                                |
| Red              | SUV          | 10:47:27                           | X                                   |          | NBR                                         | X                                                  |
| White            | SUV          | 10:47:46                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 10:48:07                           | 10:48:54                            | 0:00:47  | NBR                                         | SBL                                                |
| Red              | Sedan        | 10:50:32                           | X                                   |          | NBR                                         | X                                                  |
| Black            | Sedan        | 10:50:47                           | 10:51:58                            | 0:01:11  | SBL                                         | SBL                                                |
| Grey             | SUV          | 10:50:53                           | 10:52:00                            | 0:01:07  | SBL                                         | SBR                                                |
| White            | Truck        | 10:50:56                           | 10:52:03                            | 0:01:07  | SBL                                         | SBR                                                |
| Black            | Truck        | 10:51:02                           | 10:52:19                            | 0:01:17  | SBL                                         | SBL                                                |
| Grey             | SUV          | 10:51:04                           | 10:52:53                            | 0:01:49  | SBL                                         | SBL                                                |
| White            | Truck        | 10:51:34                           | 10:52:59                            | 0:01:25  | NBR                                         | SBL                                                |
| Black            | Truck        | 10:51:49                           | 10:53:13                            | 0:01:24  | SBL                                         | SBL                                                |
| White            | Truck        | 10:53:05                           | 10:54:54                            | 0:01:49  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 10:54:41                           | 10:55:47                            | 0:01:06  | SBL                                         | SBR                                                |
| Black            | SUV          | 10:55:07                           | X                                   |          | NBR                                         | X                                                  |
| White            | SUV          | 10:55:21                           | X                                   |          | NBR                                         | X                                                  |
| White            | SUV          | 10:55:22                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 10:55:25                           | 10:56:36                            | 0:01:11  | SBL                                         | SBR                                                |
| White            | SUV          | 10:55:27                           | 10:56:40                            | 0:01:13  | SBL                                         | SBR                                                |
| Black            | SUV          | 10:56:11                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | SUV          | 10:57:19                           | 10:58:17                            | 0:00:58  | SBL                                         | SBL                                                |
| Grey             | SUV          | 10:57:32                           | 10:58:33                            | 0:01:01  | SBL                                         | SBL                                                |
| Red              | SUV          | 10:59:19                           | 11:00:15                            | 0:00:56  | SBL                                         | SBR                                                |
| Black            | Sedan        | 10:59:22                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 10:59:25                           | 11:00:21                            | 0:00:56  | SBL                                         | SBR                                                |
| Grey             | SUV          | 11:00:03                           | X                                   |          | NBR                                         | X                                                  |
| White            | Sedan        | 11:00:32                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Truck        | 11:00:35                           | 11:01:43                            | 0:01:08  | SBL                                         | SBR                                                |
| Red              | SUV          | 11:00:43                           | X                                   |          | SBL                                         | X                                                  |
| Red              | Truck        | 11:00:51                           | X                                   |          | SBL                                         | X                                                  |



Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Grey             | SUV          | 11:01:01                           | X                                   |          | SBL                                         | X                                                  |
| Red              | Sedan        | 11:01:55                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 11:02:17                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 11:02:24                           | 11:03:32                            | 0:01:08  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 11:03:52                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 11:03:57                           | X                                   |          | SBL                                         | X                                                  |
| Sandal           | Truck        | 11:03:59                           | 11:04:57                            | 0:00:58  | SBL                                         | SBR                                                |
| Black            | Sedan        | 11:04:05                           | 11:05:09                            | 0:01:04  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 11:04:18                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Truck        | 11:04:25                           | 11:05:43                            | 0:01:18  | SBL                                         | SBL                                                |
| Grey             | Minivan      | 11:05:19                           | X                                   |          | NBR                                         | X                                                  |
| Red              | SUV          | 11:05:23                           | X                                   |          | NBR                                         | X                                                  |
| White            | SUV          | 11:05:42                           | X                                   |          | NBR                                         | X                                                  |
| Silver           | Truck        | 11:05:58                           | X                                   |          | SBL                                         | X                                                  |
| Red              | SUV          | 11:06:06                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 11:06:33                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | Sedan        | 11:06:35                           | 11:07:41                            | 0:01:06  | SBL                                         | SBL                                                |
| Blue             | Sedan        | 11:06:37                           | 11:07:42                            | 0:01:05  | SBL                                         | SBR                                                |
| Red              | SUV          | 11:07:03                           | X                                   |          | NBR                                         | X                                                  |
| White            | Truck        | 11:07:33                           | 11:09:30                            | 0:01:57  | SBL                                         | SBL                                                |
| Black            | SUV          | 11:08:17                           | 11:09:33                            | 0:01:16  | SBL                                         | SBR                                                |
| Red              | Sedan        | 11:08:19                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 11:08:28                           | 11:09:43                            | 0:01:15  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 11:08:56                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 11:08:59                           | 11:09:52                            | 0:00:53  | SBL                                         | SBL                                                |
| Red              | Sedan        | 11:10:04                           | 11:11:20                            | 0:01:16  | NBR                                         | SBL                                                |
| Sky Blue         | SUV          | 11:10:41                           | X                                   |          | NBR                                         | X                                                  |
| White            | Van          | 11:10:52                           | 11:11:56                            | 0:01:04  | NBR                                         | SBR                                                |
| Black            | SUV          | 11:10:57                           | 11:12:12                            | 0:01:15  | NBR                                         | SBL                                                |
| Silver           | SUV          | 11:11:01                           | 11:12:31                            | 0:01:30  | SBL                                         | SBL                                                |
| Blue             | Sedan        | 11:11:35                           | 11:12:58                            | 0:01:23  | NBR                                         | SBR                                                |
| Black            | Sedan        | 11:12:16                           | X                                   |          | NBR                                         | X                                                  |
| Black            | Sedan        | 11:12:18                           | X                                   |          | SBL                                         | X                                                  |
| Blue             | SUV          | 11:12:36                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 11:13:04                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | Sedan        | 11:14:20                           | 11:15:42                            | 0:01:22  | SBL                                         | SBL                                                |
| White            | SUV          | 11:14:31                           | 11:15:39                            | 0:01:08  | SBL                                         | SBR                                                |
| Red              | SUV          | 11:14:34                           | 11:15:42                            | 0:01:08  | SBL                                         | SBR                                                |
| Silver           | Sedan        | 11:14:44                           | 11:15:47                            | 0:01:03  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 11:15:13                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | SUV          | 11:16:46                           | X                                   |          | NBR                                         | X                                                  |
| Blue             | SUV          | 11:16:59                           | 11:17:49                            | 0:00:50  | SBL                                         | SBL                                                |
| White            | SUV          | 11:17:04                           | X                                   |          | NBR                                         | X                                                  |
| Blue             | SUV          | 11:17:07                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 11:17:11                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 11:17:35                           | 11:18:35                            | 0:01:00  | NBR                                         | SBR                                                |
| Blue             | SUV          | 11:18:53                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 11:18:55                           | X                                   |          | NBR                                         | X                                                  |
| Silver           | Minivan      | 11:19:22                           | 11:20:29                            | 0:01:07  | SBL                                         | SBL                                                |
| White            | SUV          | 11:20:43                           | 11:21:47                            | 0:01:04  | SBL                                         | SBL                                                |
| White            | Van          | 11:21:09                           | 11:22:02                            | 0:00:53  | SBL                                         | SBL                                                |
| Silver           | Truck        | 11:21:22                           | X                                   |          | SBL                                         | X                                                  |
| Blue             | SUV          | 11:21:30                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 11:22:20                           | X                                   |          | NBR                                         | X                                                  |

Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| White            | Van          | 11:22:46                           | 11:24:04                            | 0:01:18  | NBR                                         | SBR                                                |
| Red              | Coupe        | 11:22:59                           | 11:24:10                            | 0:01:11  | NBR                                         | SBL                                                |
| Black            | Sedan        | 11:23:20                           | 11:24:18                            | 0:00:58  | SBL                                         | SBR                                                |
| Black            | SUV          | 11:24:13                           | X                                   |          | SBL                                         | X                                                  |
| White            | Bus          | 11:24:28                           | X                                   |          | NBR                                         | X                                                  |
| White            | Heavy        | 11:25:58                           | 11:27:12                            | 0:01:14  | SBL                                         | SBL                                                |
| Silver           | SUV          | 11:26:01                           | 11:27:16                            | 0:01:15  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 11:26:02                           | 11:27:24                            | 0:01:22  | SBL                                         | SBL                                                |
| White            | SUV          | 11:28:20                           | 11:29:17                            | 0:00:57  | SBL                                         | SBR                                                |
| Black            | Truck        | 11:28:22                           | 11:29:21                            | 0:00:59  | SBL                                         | SBR                                                |
| White            | Truck        | 11:29:43                           | 11:30:45                            | 0:01:02  | SBL                                         | SBR                                                |
| Black            | Sedan        | 11:31:02                           | 11:31:53                            | 0:00:51  | NBR                                         | SBL                                                |
| Black            | SUV          | 11:31:49                           | X                                   |          | SBL                                         | X                                                  |
| White            | Truck        | 11:32:48                           | 11:33:43                            | 0:00:55  | SBL                                         | SBL                                                |
| White            | SUV          | 11:32:57                           | 11:33:47                            | 0:00:50  | SBL                                         | SBL                                                |
| Grey             | SUV          | 11:34:36                           | 11:35:24                            | 0:00:48  | SBL                                         | SBL                                                |
| Green            | Jeep         | 11:34:38                           | 11:35:32                            | 0:00:54  | SBL                                         | SBL                                                |
| Silver           | SUV          | 11:34:44                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 11:35:44                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | SUV          | 11:35:53                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 11:36:20                           | X                                   |          | SBL                                         | X                                                  |
| Red              | SUV          | 11:36:31                           | 11:38:04                            | 0:01:33  | SBL                                         | SBL                                                |
| Black            | SUV          | 11:36:36                           | X                                   |          | SBL                                         | X                                                  |
| White            | Truck        | 11:37:12                           | 11:38:35                            | 0:01:23  | NBR                                         | SBL                                                |
| Black            | Sedan        | 11:37:51                           | X                                   |          | NBR                                         | X                                                  |
| Maroon           | SUV          | 11:37:55                           | X                                   |          | NBR                                         | X                                                  |
| Silver           | Sedan        | 11:38:26                           | 11:39:32                            | 0:01:06  | SBL                                         | SBL                                                |
| Silver           | SUV          | 11:38:50                           | 11:39:54                            | 0:01:04  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 11:39:18                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 11:39:23                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | Sedan        | 11:40:51                           | 11:42:03                            | 0:01:12  | SBL                                         | SBL                                                |
| Blue             | Sedan        | 11:41:24                           | 11:42:46                            | 0:01:22  | SBL                                         | SBR                                                |
| White            | Sedan        | 11:41:59                           | 11:43:36                            | 0:01:37  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 11:42:36                           | 11:43:40                            | 0:01:04  | NBR                                         | SBL                                                |
| Silver           | SUV          | 11:44:23                           | 11:45:40                            | 0:01:17  | NBR                                         | SBL                                                |
| White            | Sedan        | 11:44:34                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 11:45:07                           | 11:46:32                            | 0:01:25  | SBL                                         | SBL                                                |
| White            | Truck        | 11:45:20                           | 11:46:39                            | 0:01:19  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 11:45:28                           | 11:46:39                            | 0:01:11  | SBL                                         | SBR                                                |
| Black            | Truck        | 11:45:31                           | 11:47:22                            | 0:01:51  | SBL                                         | SBL                                                |
| White            | Truck        | 11:45:34                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 11:46:30                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 11:46:35                           | X                                   |          | NBR                                         | X                                                  |
| White            | Sedan        | 11:46:52                           | 11:47:43                            | 0:00:51  | SBL                                         | SBL                                                |
| Silver           | SUV          | 11:49:11                           | X                                   |          | SBL                                         | X                                                  |
| Blue             | Sedan        | 11:49:42                           | X                                   |          | NBR                                         | X                                                  |
| Black            | Sedan        | 11:50:05                           | 11:51:08                            | 0:01:03  | SBL                                         | SBL                                                |
| Black            | SUV          | 11:50:23                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 11:50:38                           | 11:52:10                            | 0:01:32  | NBR                                         | SBR                                                |
| Gold             | SUV          | 11:52:11                           | 11:53:09                            | 0:00:58  | NBR                                         | SBL                                                |
| White            | SUV          | 11:52:19                           | 11:53:29                            | 0:01:10  | SBL                                         | SBL                                                |
| Blue             | Truck        | 11:52:26                           | 11:53:33                            | 0:01:07  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 11:52:44                           | X                                   |          | NBR                                         | X                                                  |
| Blue             | SUV          | 11:53:30                           | 11:54:34                            | 0:01:04  | SBL                                         | SBL                                                |



Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Grey             | SUV          | 11:53:40                           | X                                   |          | NBR                                         | X                                                  |
| White            | Truck        | 11:54:23                           | 11:55:46                            | 0:01:23  | SBL                                         | SBL                                                |
| Black            | SUV          | 11:54:25                           | X                                   |          | SBL                                         | X                                                  |
| Red              | Sedan        | 11:54:27                           | 11:55:53                            | 0:01:26  | SBL                                         | SBL                                                |
| Black            | Sedan        | 11:54:31                           | 11:56:00                            | 0:01:29  | SBL                                         | SBL                                                |
| White            | SUV          | 11:54:36                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | SUV          | 11:54:51                           | 11:55:51                            | 0:01:00  | SBL                                         | SBR                                                |
| Silver           | Truck        | 11:55:16                           | 11:56:18                            | 0:01:02  | SBL                                         | SBR                                                |
| White            | SUV          | 11:55:22                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | Truck        | 11:55:52                           | 11:56:36                            | 0:00:44  | SBL                                         | SBL                                                |
| Black            | SUV          | 11:56:27                           | 11:57:30                            | 0:01:03  | SBL                                         | SBR                                                |
| Black            | SUV          | 11:56:28                           | 11:57:48                            | 0:01:20  | SBL                                         | SBL                                                |
| Red              | Sedan        | 11:56:32                           | 11:57:52                            | 0:01:20  | SBL                                         | SBL                                                |
| Grey             | Truck        | 11:56:34                           | 11:58:36                            | 0:02:02  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 11:57:11                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 11:57:19                           | 11:58:40                            | 0:01:21  | NBR                                         | SBL                                                |
| Black            | Sedan        | 11:58:25                           | 12:00:00                            | 0:01:35  | SBL                                         | SBL                                                |
| Red              | SUV          | 11:58:28                           | 12:00:08                            | 0:01:40  | SBL                                         | SBR                                                |
| Blue             | Truck        | 11:58:32                           | 12:00:03                            | 0:01:31  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 11:58:42                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | Sedan        | 11:59:52                           | X                                   |          | NBR                                         | X                                                  |
| Silver           | Sedan        | 12:01:05                           | X                                   |          | SBL                                         | X                                                  |
| Green            | SUV          | 12:02:14                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 12:02:28                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 12:02:44                           | X                                   |          | SBL                                         | X                                                  |
| Gold             | SUV          | 12:03:02                           | X                                   |          | NBR                                         | X                                                  |
| Silver           | SUV          | 12:03:04                           | X                                   |          | NBR                                         | X                                                  |
| Red              | SUV          | 12:03:14                           | 12:04:34                            | 0:01:20  | SBL                                         | SBL                                                |
| Silver           | SUV          | 12:04:02                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | Sedan        | 12:04:53                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | Sedan        | 12:04:58                           | 12:06:21                            | 0:01:23  | SBL                                         | SBL                                                |
| Black            | SUV          | 12:06:41                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | SUV          | 12:06:56                           | 12:07:59                            | 0:01:03  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 12:07:15                           | 12:08:20                            | 0:01:05  | NBR                                         | SBR                                                |
| Gold             | Sedan        | 12:07:48                           | X                                   |          | SBL                                         | X                                                  |
| Gold             | SUV          | 12:08:21                           | X                                   |          | SBL                                         | X                                                  |
| Red              | SUV          | 12:08:23                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | Sedan        | 12:08:26                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 12:08:54                           | X                                   |          | SBL                                         | X                                                  |
| White            | Heavy        | 12:09:13                           | 12:10:41                            | 0:01:28  | SBL                                         | SBL                                                |
| White            | Sedan        | 12:09:45                           | X                                   |          | NBR                                         | X                                                  |
| White            | Sedan        | 12:09:57                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 12:10:14                           | X                                   |          | SBL                                         | X                                                  |
| White            | Heavy        | 12:11:03                           | 12:12:11                            | 0:01:08  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 12:11:40                           | 12:12:51                            | 0:01:11  | NBR                                         | SBR                                                |
| Grey             | SUV          | 12:12:11                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Truck        | 12:12:47                           | 12:14:42                            | 0:01:55  | SBL                                         | SBL                                                |
| Maroon           | SUV          | 12:13:09                           | 12:14:53                            | 0:01:44  | SBL                                         | SBL                                                |
| Black            | SUV          | 12:13:58                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 12:14:36                           | 12:15:45                            | 0:01:09  | NBR                                         | SBL                                                |
| Red              | Sedan        | 12:14:44                           | X                                   |          | NBR                                         | X                                                  |
| Silver           | Sedan        | 12:15:03                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | Truck        | 12:15:32                           | 12:17:00                            | 0:01:28  | SBL                                         | SBR                                                |
| Black            | SUV          | 12:16:25                           | 12:17:41                            | 0:01:16  | SBL                                         | SBL                                                |

Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Black            | SUV          | 12:16:50                           | 12:18:19                            | 0:01:29  | SBL                                         | SBR                                                |
| Black            | SUV          | 12:17:28                           | 12:19:01                            | 0:01:33  | SBL                                         | SBL                                                |
| White            | SUV          | 12:18:03                           | 12:19:05                            | 0:01:02  | SBL                                         | SBL                                                |
| Red              | SUV          | 12:18:09                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 12:18:18                           | X                                   |          | NBR                                         | X                                                  |
| Blue             | Sedan        | 12:18:45                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Truck        | 12:19:53                           | 12:21:26                            | 0:01:33  | SBL                                         | SBL                                                |
| Red              | SUV          | 12:20:27                           | X                                   |          | NBR                                         | X                                                  |
| Silver           | Sedan        | 12:21:43                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | SUV          | 12:21:44                           | 12:22:54                            | 0:01:10  | SBL                                         | SBR                                                |
| White            | Sedan        | 12:21:46                           | 12:22:57                            | 0:01:11  | SBL                                         | SBR                                                |
| White            | SUV          | 12:22:22                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Truck        | 12:23:32                           | 12:24:34                            | 0:01:02  | SBL                                         | SBR                                                |
| Grey             | SUV          | 12:23:49                           | X                                   |          | NBR                                         | X                                                  |
| Blue             | Truck        | 12:24:07                           | 12:25:04                            | 0:00:57  | NBR                                         | SBR                                                |
| Black            | SUV          | 12:24:10                           | 12:25:22                            | 0:01:12  | NBR                                         | SBR                                                |
| Grey             | SUV          | 12:24:14                           | X                                   |          | NBR                                         | X                                                  |
| Silver           | SUV          | 12:24:18                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 12:24:20                           | 12:25:50                            | 0:01:30  | SBL                                         | SBR                                                |
| Red              | SUV          | 12:26:07                           | 12:27:32                            | 0:01:25  | SBL                                         | SBL                                                |
| White            | SUV          | 12:26:17                           | 12:27:43                            | 0:01:26  | SBL                                         | SBR                                                |
| Black            | Sedan        | 12:26:27                           | 12:27:39                            | 0:01:12  | SBL                                         | SBL                                                |
| White            | Sedan        | 12:26:30                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 12:27:12                           | 12:28:00                            | 0:00:48  | SBL                                         | SBL                                                |
| White            | Sedan        | 12:28:02                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | SUV          | 12:28:15                           | 12:29:12                            | 0:00:57  | SBL                                         | SBL                                                |
| Black            | SUV          | 12:28:44                           | 12:29:55                            | 0:01:11  | SBL                                         | SBL                                                |
| Red              | SUV          | 12:28:56                           | 12:29:54                            | 0:00:58  | SBL                                         | SBR                                                |
| Black            | Sedan        | 12:29:42                           | 12:30:56                            | 0:01:14  | SBL                                         | SBL                                                |
| Grey             | SUV          | 12:30:22                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | SUV          | 12:31:40                           | X                                   |          | SBL                                         | X                                                  |
| Blue             | Truck        | 12:32:23                           | X                                   |          | SBL                                         | X                                                  |
| Red              | SUV          | 12:32:51                           | 12:34:50                            | 0:01:59  | SBL                                         | SBR                                                |
| Silver           | Sedan        | 12:33:02                           | X                                   |          | SBL                                         | X                                                  |
| Gold             | SUV          | 12:33:15                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 12:33:26                           | 12:35:53                            | 0:02:27  | SBL                                         | SBL                                                |
| Black            | Sedan        | 12:34:05                           | 12:36:04                            | 0:01:59  | SBL                                         | SBT                                                |
| Grey             | SUV          | 12:34:33                           | X                                   |          | SBL                                         | X                                                  |
| Red              | Sedan        | 12:34:38                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | Truck        | 12:35:07                           | 12:36:07                            | 0:01:00  | SBL                                         | SBL                                                |
| Black            | Heavy        | 12:35:52                           | 12:36:51                            | 0:00:59  | SBL                                         | SBL                                                |
| Black            | SUV          | 12:36:24                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 12:36:34                           | X                                   |          | NBR                                         | X                                                  |
| Silver           | SUV          | 12:36:43                           | X                                   |          | NBR                                         | X                                                  |
| Silver           | Sedan        | 12:38:09                           | X                                   |          | SBL                                         | X                                                  |
| White            | Truck        | 12:38:40                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 12:39:14                           | 12:40:32                            | 0:01:18  | SBL                                         | SBR                                                |
| Black            | Sedan        | 12:41:09                           | X                                   |          | NBR                                         | X                                                  |
| White            | SUV          | 12:41:18                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | SUV          | 12:43:09                           | X                                   |          | NBR                                         | X                                                  |
| Blue             | SUV          | 12:44:17                           | 12:45:19                            | 0:01:02  | SBL                                         | SBL                                                |
| Black            | SUV          | 12:45:15                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | SUV          | 12:45:52                           | X                                   |          | NBR                                         | X                                                  |
| Silver           | Sedan        | 12:46:10                           | 12:47:03                            | 0:00:53  | NBR                                         | SBL                                                |



Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6 Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Black            | SUV          | 12:46:14                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 12:46:53                           | X                                   |          | NBR                                         | X                                                  |
| Blue             | Sedan        | 12:47:27                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 12:48:21                           | 12:49:17                            | 0:00:56  | SBL                                         | SBR                                                |
| White            | Sedan        | 12:48:29                           | 12:49:26                            | 0:00:57  | NBR                                         | SBR                                                |
| Blue             | SUV          | 12:48:31                           | 12:49:38                            | 0:01:07  | SBL                                         | SBR                                                |
| Silver           | Sedan        | 12:50:19                           | 12:51:37                            | 0:01:18  | SBL                                         | SBL                                                |
| Silver           | SUV          | 12:50:26                           | 12:51:40                            | 0:01:14  | SBL                                         | SBR                                                |
| White            | SUV          | 12:50:39                           | 12:51:47                            | 0:01:08  | SBL                                         | SBL                                                |
| Black            | SUV          | 12:51:44                           | 12:52:47                            | 0:01:03  | SBL                                         | SBL                                                |
| Blue             | SUV          | 12:52:11                           | 12:53:02                            | 0:00:51  | SBL                                         | SBL                                                |
| Black            | Sedan        | 12:52:25                           | 12:53:08                            | 0:00:43  | NBR                                         | SBL                                                |
| Silver           | Heavy        | 12:52:26                           | 12:53:11                            | 0:00:45  | SBL                                         | SBL                                                |
| Silver           | SUV          | 12:53:15                           | X                                   |          | NBR                                         | X                                                  |
| Blue             | SUV          | 12:53:23                           | 12:54:35                            | 0:01:12  | SBL                                         | SBL                                                |
| Black            | SUV          | 12:54:01                           | 12:54:58                            | 0:00:57  | SBL                                         | SBL                                                |
| Brown            | SUV          | 12:54:12                           | 12:55:01                            | 0:00:49  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 12:54:28                           | X                                   |          | NBR                                         | X                                                  |
| Silver           | SUV          | 12:54:57                           | 12:56:55                            | 0:01:58  | SBL                                         | SBL                                                |
| Silver           | SUV          | 12:55:55                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 12:56:35                           | 12:57:46                            | 0:01:11  | SBL                                         | SBL                                                |
| Red              | SUV          | 12:56:37                           | 12:57:48                            | 0:01:11  | SBL                                         | SBL                                                |
| Grey             | SUV          | 12:56:39                           | 12:57:52                            | 0:01:13  | SBL                                         | SBL                                                |
| Black            | Van          | 12:56:53                           | 12:58:44                            | 0:01:51  | SBL                                         | SBR                                                |
| White            | SUV          | 12:57:12                           | 12:58:47                            | 0:01:35  | NBR                                         | SBR                                                |
| Silver           | Sedan        | 12:58:02                           | X                                   |          | SBL                                         | X                                                  |
| Red              | Sedan        | 12:58:32                           | 12:59:34                            | 0:01:02  | NBR                                         | SBL                                                |
| Grey             | Jeep         | 12:58:52                           | 12:59:41                            | 0:00:49  | SBL                                         | SBL                                                |
| Black            | Sedan        | 13:00:21                           | 13:01:14                            | 0:00:53  | SBL                                         | SBR                                                |
| White            | SUV          | 13:00:35                           | 13:01:34                            | 0:00:59  | SBL                                         | SBL                                                |
| Black            | SUV          | 13:00:36                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 13:00:38                           | X                                   |          | SBL                                         | X                                                  |
| Brown            | SUV          | 13:00:44                           | 13:01:52                            | 0:01:08  | NBR                                         | SBL                                                |
| Grey             | Sedan        | 13:01:16                           | 13:02:51                            | 0:01:35  | SBL                                         | SBL                                                |
| White            | Crossover    | 13:01:26                           | 13:03:10                            | 0:01:44  | SBL                                         | SBL                                                |
| Red              | Truck        | 13:02:07                           | 13:03:28                            | 0:01:21  | NBR                                         | SBL                                                |
| Maroon           | Sedan        | 13:02:26                           | 13:03:40                            | 0:01:14  | SBL                                         | SBL                                                |
| Black            | SUV          | 13:02:27                           | X                                   |          | SBL                                         | X                                                  |
| White            | Truck        | 13:02:37                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 13:03:10                           | 13:03:56                            | 0:00:46  | SBL                                         | SBL                                                |
| Black            | Truck        | 13:03:23                           | X                                   |          | NBR                                         | X                                                  |
| White            | Van          | 13:03:26                           | 13:04:33                            | 0:01:07  | SBL                                         | SBL                                                |
| Black            | SUV          | 13:04:28                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 13:05:25                           | 13:06:13                            | 0:00:48  | SBL                                         | SBR                                                |
| Blue             | Truck        | 13:05:31                           | 13:06:46                            | 0:01:15  | SBL                                         | SBL                                                |
| Black            | Sedan        | 13:06:25                           | 13:07:43                            | 0:01:18  | SBL                                         | SBL                                                |
| White            | Sedan        | 13:07:31                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Truck        | 13:07:58                           | 13:08:53                            | 0:00:55  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 13:08:17                           | 13:09:05                            | 0:00:48  | SBL                                         | SBL                                                |
| Red              | Sedan        | 13:08:42                           | 13:10:04                            | 0:01:22  | SBL                                         | SBL                                                |
| Grey             | SUV          | 13:08:55                           | 13:09:43                            | 0:00:48  | SBL                                         | SBR                                                |
| Blue             | Sedan        | 13:09:22                           | 13:10:07                            | 0:00:45  | SBL                                         | SBR                                                |
| White            | Truck        | 13:09:41                           | X                                   |          | NBR                                         | X                                                  |
| White            | Bus          | 13:09:49                           | X                                   |          | NBR                                         | X                                                  |

Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6 Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| White            | Sedan        | 13:09:52                           | 13:10:50                            | 0:00:58  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 13:10:01                           | 13:11:14                            | 0:01:13  | SBL                                         | SBR                                                |
| Grey             | Truck        | 13:10:14                           | 13:11:41                            | 0:01:27  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 13:10:51                           | 13:11:44                            | 0:00:53  | NBR                                         | SBR                                                |
| White            | Sedan        | 13:11:49                           | 13:12:52                            | 0:01:03  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 13:12:13                           | X                                   |          | SBL                                         | X                                                  |
| Blue             | SUV          | 13:12:25                           | 13:13:34                            | 0:01:09  | SBL                                         | SBL                                                |
| Red              | SUV          | 13:12:27                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 13:12:29                           | 13:13:41                            | 0:01:12  | SBL                                         | SBL                                                |
| Blue             | SUV          | 13:12:31                           | 13:13:46                            | 0:01:15  | SBL                                         | SBL                                                |
| Black            | Truck        | 13:12:36                           | 13:13:58                            | 0:01:22  | SBL                                         | SBL                                                |
| Black            | SUV          | 13:12:40                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 13:13:01                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 13:13:09                           | 13:14:56                            | 0:01:47  | NBR                                         | SBR                                                |
| Red              | Crossover    | 13:13:53                           | 13:15:01                            | 0:01:08  | NBR                                         | SBR                                                |
| Blue             | SUV          | 13:13:55                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 13:14:09                           | X                                   |          | NBR                                         | X                                                  |
| Blue             | SUV          | 13:14:18                           | 13:15:17                            | 0:00:59  | SBL                                         | SBR                                                |
| Black            | Truck        | 13:14:24                           | 13:15:29                            | 0:01:05  | SBL                                         | SBL                                                |
| Black            | SUV          | 13:14:29                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 13:14:37                           | X                                   |          | SBL                                         | X                                                  |
| Maroon           | SUV          | 13:15:29                           | 13:16:56                            | 0:01:27  | NBR                                         | SBL                                                |
| White            | SUV          | 13:15:58                           | X                                   |          | NBR                                         | X                                                  |
| White            | SUV          | 13:16:19                           | X                                   |          | SBL                                         | X                                                  |
| White            | Truck        | 13:16:23                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 13:16:25                           | X                                   |          | SBL                                         | X                                                  |
| White            | Truck        | 13:17:13                           | 13:18:09                            | 0:00:56  | NBR                                         | SBR                                                |
| Black            | SUV          | 13:17:36                           | 13:18:52                            | 0:01:16  | SBL                                         | SBL                                                |
| Black            | Sedan        | 13:18:28                           | 13:20:04                            | 0:01:36  | SBL                                         | SBL                                                |
| Black            | SUV          | 13:18:40                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 13:18:54                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | Crossover    | 13:18:57                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 13:19:00                           | X                                   |          | SBL                                         | X                                                  |
| Maroon           | SUV          | 13:19:49                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Truck        | 13:20:26                           | 13:21:26                            | 0:01:00  | SBL                                         | SBL                                                |
| Black            | Truck        | 13:20:56                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | SUV          | 13:21:01                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 13:21:54                           | 13:22:49                            | 0:00:55  | NBR                                         | SBL                                                |
| White            | Sedan        | 13:22:22                           | 13:23:17                            | 0:00:55  | SBL                                         | SBL                                                |
| Grey             | SUV          | 13:22:37                           | 13:23:46                            | 0:01:09  | SBL                                         | SBL                                                |
| Black            | Crossover    | 13:22:47                           | 13:23:46                            | 0:00:59  | SBL                                         | SBR                                                |
| White            | Sedan        | 13:22:48                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 13:22:51                           | 13:23:49                            | 0:00:58  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 13:23:03                           | 13:24:07                            | 0:01:04  | SBL                                         | SBL                                                |
| Grey             | SUV          | 13:23:43                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 13:24:25                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Crossover    | 13:24:36                           | 13:25:34                            | 0:00:58  | SBL                                         | SBL                                                |
| Red              | Sedan        | 13:24:44                           | 13:25:57                            | 0:01:13  | SBL                                         | SBL                                                |
| Black            | SUV          | 13:24:47                           | 13:25:57                            | 0:01:10  | SBL                                         | SBR                                                |
| Black            | Sedan        | 13:25:05                           | X                                   |          | NBR                                         | X                                                  |
| Black            | Sedan        | 13:26:05                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | SUV          | 13:26:24                           | 13:28:31                            | 0:02:07  | SBL                                         | SBL                                                |
| White            | SUV          | 13:26:38                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Crossover    | 13:26:55                           | X                                   |          | SBL                                         | X                                                  |



Southbound – Starting from Larkin Ave & Knapp Dr  
Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Grey             | SUV          | 13:26:57                           | 13:28:45                            | 0:01:48  | SBL                                         | SBL                                                |
| Maroon           | Crossover    | 13:27:19                           | X                                   |          | NBR                                         | X                                                  |
| White            | Van          | 13:27:20                           | 13:28:23                            | 0:01:03  | SBL                                         | SBR                                                |
| White            | SUV          | 13:28:15                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 13:28:28                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 13:28:31                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 13:29:15                           | 13:30:09                            | 0:00:54  | SBL                                         | SBR                                                |
| Blue             | SUV          | 13:29:44                           | X                                   |          | NBR                                         | X                                                  |
| Black            | Sedan        | 13:30:36                           | 13:31:47                            | 0:01:11  | NBR                                         | SBR                                                |
| White            | Sedan        | 13:30:41                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 13:30:55                           | 13:32:02                            | 0:01:07  | NBR                                         | SBR                                                |
| Black            | SUV          | 13:31:18                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 13:31:20                           | 13:32:30                            | 0:01:10  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 13:31:22                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 13:31:24                           | 13:32:36                            | 0:01:12  | SBL                                         | SBL                                                |
| Grey             | SUV          | 13:31:27                           | 13:33:48                            | 0:02:21  | SBL                                         | SBL                                                |
| Blue             | Sedan        | 13:32:24                           | 13:33:56                            | 0:01:32  | NBR                                         | SBL                                                |
| Grey             | SUV          | 13:34:08                           | 13:35:03                            | 0:00:55  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 13:34:25                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 13:34:27                           | 13:35:36                            | 0:01:09  | SBL                                         | SBL                                                |
| Maroon           | Sedan        | 13:34:30                           | 13:36:09                            | 0:01:39  | SBL                                         | SBL                                                |
| White            | SUV          | 13:34:37                           | X                                   |          | NBR                                         | X                                                  |
| White            | Sedan        | 13:35:02                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 13:35:23                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 13:35:29                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Truck        | 13:35:33                           | X                                   |          | SBL                                         | X                                                  |
| White            | Truck        | 13:35:58                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 13:36:11                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 13:36:14                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 13:36:27                           | 13:37:34                            | 0:01:07  | SBL                                         | SBL                                                |
| Black            | Truck        | 13:36:29                           | 13:37:34                            | 0:01:05  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 13:36:37                           | 13:37:37                            | 0:01:00  | NBR                                         | SBR                                                |
| Black            | SUV          | 13:37:59                           | 13:38:53                            | 0:00:54  | SBL                                         | SBL                                                |
| Black            | Truck        | 13:38:01                           | 13:38:57                            | 0:00:56  | SBL                                         | SBL                                                |
| Black            | Sedan        | 13:38:07                           | 13:39:29                            | 0:01:22  | SBL                                         | SBL                                                |
| White            | SUV          | 13:38:20                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 13:40:00                           | 13:40:47                            | 0:00:47  | SBL                                         | SBR                                                |
| Black            | SUV          | 13:40:23                           | 13:41:50                            | 0:01:27  | SBL                                         | SBL                                                |
| Red              | Sedan        | 13:40:30                           | 13:41:50                            | 0:01:20  | SBL                                         | SBR                                                |
| Black            | Sedan        | 13:40:32                           | 13:41:53                            | 0:01:21  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 13:41:00                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 13:41:30                           | 13:42:59                            | 0:01:29  | SBL                                         | SBL                                                |
| White            | SUV          | 13:41:48                           | X                                   |          | NBR                                         | X                                                  |
| Maroon           | Heavy        | 13:42:09                           | 13:43:39                            | 0:01:30  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 13:42:37                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 13:42:46                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 13:42:47                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 13:42:51                           | 13:43:56                            | 0:01:05  | SBL                                         | SBR                                                |
| Maroon           | Sedan        | 13:42:55                           | 13:43:57                            | 0:01:02  | SBL                                         | SBL                                                |
| Red              | Crossover    | 13:43:21                           | X                                   |          | NBR                                         | X                                                  |
| White            | Van          | 13:44:10                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Truck        | 13:46:00                           | 13:47:01                            | 0:01:01  | NBR                                         | SBL                                                |
| Black            | SUV          | 13:46:20                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 13:46:56                           | 13:47:58                            | 0:01:02  | SBL                                         | SBL                                                |

Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Black            | SUV          | 13:47:10                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 13:48:15                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 13:48:27                           | 13:49:35                            | 0:01:08  | SBL                                         | SBR                                                |
| Black            | Sedan        | 13:48:36                           | 13:49:59                            | 0:01:23  | SBL                                         | SBR                                                |
| White            | Van          | 13:48:44                           | 13:50:05                            | 0:01:21  | SBL                                         | SBR                                                |
| White            | SUV          | 13:48:58                           | 13:50:13                            | 0:01:15  | SBL                                         | SBL                                                |
| Maroon           | Crossover    | 13:50:07                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 13:50:11                           | 13:51:04                            | 0:00:53  | SBL                                         | SBR                                                |
| White            | SUV          | 13:50:41                           | 13:52:10                            | 0:01:29  | NBR                                         | SBL                                                |
| White            | Truck        | 13:51:03                           | 13:52:42                            | 0:01:39  | SBL                                         | SBL                                                |
| Purple           | Crossover    | 13:51:05                           | 13:52:53                            | 0:01:48  | SBL                                         | SBL                                                |
| Black            | Sedan        | 13:52:07                           | 13:53:20                            | 0:01:13  | SBL                                         | SBR                                                |
| Red              | SUV          | 13:52:22                           | X                                   |          | SBL                                         | X                                                  |
| Maroon           | Sedan        | 13:52:24                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 13:52:56                           | 13:54:11                            | 0:01:15  | SBL                                         | SBL                                                |
| Grey             | Truck        | 13:53:07                           | 13:54:13                            | 0:01:06  | SBL                                         | SBR                                                |
| White            | Truck        | 13:53:16                           | 13:54:51                            | 0:01:35  | SBL                                         | SBL                                                |
| Black            | SUV          | 13:53:31                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Truck        | 13:53:43                           | X                                   |          | SBL                                         | X                                                  |
| Maroon           | SUV          | 13:54:23                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | SUV          | 13:54:36                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | SUV          | 13:55:02                           | 13:56:04                            | 0:01:02  | SBL                                         | SBL                                                |
| Green            | Van          | 13:55:04                           | 13:56:11                            | 0:01:07  | SBL                                         | SBL                                                |
| Black            | SUV          | 13:55:10                           | X                                   |          | NBR                                         | X                                                  |
| White            | SUV          | 13:55:51                           | 13:56:48                            | 0:00:57  | SBL                                         | SBR                                                |
| White            | Sedan        | 13:56:55                           | X                                   |          | NBR                                         | X                                                  |
| Maroon           | Sedan        | 13:57:01                           | 13:58:01                            | 0:01:00  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 13:57:03                           | 13:58:02                            | 0:00:59  | SBL                                         | SBR                                                |
| Black            | Truck        | 13:57:11                           | 13:58:14                            | 0:01:03  | NBR                                         | SBR                                                |
| White            | SUV          | 13:57:16                           | 13:58:31                            | 0:01:15  | NBR                                         | SBR                                                |
| White            | Truck        | 13:57:22                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 13:57:22                           | 13:58:57                            | 0:01:35  | SBL                                         | SBL                                                |
| Grey             | SUV          | 13:58:11                           | 13:59:05                            | 0:00:54  | SBL                                         | SBL                                                |
| Grey             | SUV          | 13:59:04                           | 14:00:04                            | 0:01:00  | SBL                                         | SBL                                                |
| Green            | Crossover    | 13:59:14                           | 14:00:05                            | 0:00:51  | SBL                                         | SBR                                                |
| Black            | SUV          | 13:59:25                           | 14:00:55                            | 0:01:30  | SBL                                         | SBL                                                |
| Green            | Sedan        | 13:59:26                           | 14:00:57                            | 0:01:31  | SBL                                         | SBL                                                |
| Blue             | Sedan        | 14:00:07                           | 14:01:04                            | 0:00:57  | SBL                                         | SBL                                                |
| White            | Heavy        | 14:01:23                           | 14:02:31                            | 0:01:08  | NBR                                         | SBR                                                |
| Black            | SUV          | 14:01:25                           | 14:02:33                            | 0:01:08  | SBL                                         | SBR                                                |
| Black            | Sedan        | 14:01:28                           | X                                   |          | SBL                                         | X                                                  |
| Maroon           | SUV          | 14:01:56                           | 14:02:52                            | 0:00:56  | SBL                                         | SBL                                                |
| Black            | Truck        | 14:01:59                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 14:02:17                           | X                                   |          | SBL                                         | X                                                  |
| Red              | Sedan        | 14:02:43                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | Sedan        | 14:02:57                           | 14:04:24                            | 0:01:27  | SBL                                         | SBL                                                |
| Black            | Sedan        | 14:03:42                           | 14:05:03                            | 0:01:21  | SBL                                         | SBR                                                |
| Black            | SUV          | 14:03:45                           | 14:05:06                            | 0:01:21  | SBL                                         | SBR                                                |
| Grey             | SUV          | 14:04:00                           | 14:05:39                            | 0:01:39  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 14:05:14                           | X                                   |          | NBR                                         | X                                                  |
| Red              | Sedan        | 14:05:51                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 14:05:53                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 14:06:00                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 14:06:38                           | 14:07:43                            | 0:01:05  | SBL                                         | SBR                                                |

Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6 Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Maroon           | Sedan        | 14:07:08                           | 14:08:04                            | 0:00:56  | SBL                                         | SBL                                                |
| Grey             | SUV          | 14:08:27                           | 14:10:22                            | 0:01:55  | SBL                                         | SBL                                                |
| Maroon           | Sedan        | 14:08:29                           | 14:10:49                            | 0:02:20  | SBL                                         | SBL                                                |
| Grey             | SUV          | 14:08:51                           | 14:11:11                            | 0:02:20  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 14:08:55                           | 14:11:14                            | 0:02:19  | SBL                                         | SBR                                                |
| White            | Heavy        | 14:09:33                           | X                                   |          | NBR                                         | X                                                  |
| White            | Sedan        | 14:10:03                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 14:10:15                           | 14:11:15                            | 0:01:00  | SBL                                         | SBL                                                |
| White            | Truck        | 14:10:34                           | 14:11:42                            | 0:01:08  | SBL                                         | SBR                                                |
| White            | SUV          | 14:10:47                           | 14:12:27                            | 0:01:40  | SBL                                         | SBL                                                |
| Grey             | SUV          | 14:10:51                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Crossover    | 14:12:58                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 14:13:26                           | 14:14:17                            | 0:00:51  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 14:14:34                           | 14:15:49                            | 0:01:15  | SBL                                         | SBL                                                |
| Black            | SUV          | 14:15:12                           | 14:16:25                            | 0:01:13  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 14:15:13                           | 14:16:33                            | 0:01:20  | SBL                                         | SBL                                                |
| Black            | Crossover    | 14:15:15                           | X                                   |          | SBL                                         | X                                                  |
| White            | Van          | 14:15:55                           | 14:16:53                            | 0:00:58  | SBL                                         | SBL                                                |
| Maroon           | Truck        | 14:16:02                           | 14:16:59                            | 0:00:57  | SBL                                         | SBR                                                |
| Black            | SUV          | 14:16:12                           | 14:17:18                            | 0:01:06  | SBL                                         | SBL                                                |
| Black            | Crossover    | 14:16:14                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 14:16:56                           | 14:18:02                            | 0:01:06  | SBL                                         | SBR                                                |
| Black            | Sedan        | 14:16:58                           | 14:18:16                            | 0:01:18  | SBL                                         | SBL                                                |
| White            | SUV          | 14:17:17                           | 14:18:45                            | 0:01:28  | SBL                                         | SBL                                                |
| Black            | Sedan        | 14:17:19                           | 14:18:32                            | 0:01:13  | SBL                                         | SBR                                                |
| Black            | SUV          | 14:18:04                           | X                                   |          | NBR                                         | X                                                  |
| White            | Sedan        | 14:18:47                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 14:18:51                           | X                                   |          | NBR                                         | X                                                  |
| Black            | Crossover    | 14:19:31                           | 14:20:28                            | 0:00:57  | SBL                                         | SBL                                                |
| White            | SUV          | 14:19:33                           | 14:20:32                            | 0:00:59  | SBL                                         | SBL                                                |
| Yellow           | Bus          | 14:19:36                           | 14:20:38                            | 0:01:02  | SBL                                         | SBL                                                |
| Red              | Truck        | 14:20:11                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 14:21:12                           | 14:22:07                            | 0:00:55  | SBL                                         | SBR                                                |
| White            | Truck        | 14:21:18                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 14:21:39                           | 14:22:44                            | 0:01:05  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 14:21:45                           | 14:22:56                            | 0:01:11  | SBL                                         | SBL                                                |
| Black            | SUV          | 14:21:53                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 14:22:00                           | 14:23:49                            | 0:01:49  | SBL                                         | SBL                                                |
| Black            | SUV          | 14:22:02                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 14:22:10                           | 14:23:52                            | 0:01:42  | NBR                                         | SBL                                                |
| Grey             | Sedan        | 14:22:14                           | 14:24:00                            | 0:01:46  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 14:23:33                           | 14:25:29                            | 0:01:56  | SBL                                         | SBL                                                |
| Grey             | Truck        | 14:24:12                           | 14:25:33                            | 0:01:21  | SBL                                         | SBL                                                |
| Grey             | SUV          | 14:24:49                           | 14:25:56                            | 0:01:07  | SBL                                         | SBL                                                |
| White            | SUV          | 14:25:55                           | 14:27:00                            | 0:01:05  | SBL                                         | SBL                                                |
| Black            | Truck        | 14:26:17                           | 14:27:28                            | 0:01:11  | NBR                                         | SBR                                                |
| Black            | SUV          | 14:26:46                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 14:27:00                           | 14:27:45                            | 0:00:45  | SBL                                         | SBL                                                |
| Black            | SUV          | 14:27:54                           | 14:29:31                            | 0:01:37  | SBL                                         | SBL                                                |
| White            | Truck        | 14:27:58                           | 14:28:55                            | 0:00:57  | SBL                                         | SBL                                                |
| Black            | Truck        | 14:28:21                           | 14:30:03                            | 0:01:42  | SBL                                         | SBL                                                |
| Black            | Sedan        | 14:28:23                           | 14:29:49                            | 0:01:26  | SBL                                         | SBR                                                |
| Grey             | Truck        | 14:28:30                           | X                                   |          | SBL                                         | X                                                  |
| Maroon           | SUV          | 14:28:49                           | X                                   |          | NBR                                         | X                                                  |



Southbound – Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| White            | SUV          | 14:29:05                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 14:31:43                           | 14:32:51                            | 0:01:08  | SBL                                         | SBL                                                |
| White            | SUV          | 14:31:53                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Crossover    | 14:32:17                           | 14:33:02                            | 0:00:45  | NBR                                         | SBL                                                |
| Maroon           | Sedan        | 14:32:20                           | 14:33:25                            | 0:01:05  | SBL                                         | SBL                                                |
| Grey             | SUV          | 14:32:22                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 14:33:24                           | 14:35:13                            | 0:01:49  | SBL                                         | SBL                                                |
| White            | Truck        | 14:34:19                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 14:34:34                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Crossover    | 14:34:43                           | 14:35:36                            | 0:00:53  | NBR                                         | SBL                                                |
| Black            | Sedan        | 14:34:47                           | 14:36:08                            | 0:01:21  | SBL                                         | SBL                                                |
| Black            | Sedan        | 14:34:50                           | 14:35:41                            | 0:00:51  | SBL                                         | SBR                                                |
| Black            | Sedan        | 14:34:53                           | 14:36:11                            | 0:01:18  | SBL                                         | SBL                                                |
| Black            | SUV          | 14:35:47                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 14:36:17                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 14:36:28                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 14:36:30                           | 14:37:36                            | 0:01:06  | SBL                                         | SBL                                                |
| Black            | Sedan        | 14:36:32                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | SUV          | 14:36:33                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 14:38:44                           | 14:39:49                            | 0:01:05  | SBL                                         | SBL                                                |
| Black            | SUV          | 14:39:04                           | 14:39:55                            | 0:00:51  | SBL                                         | SBL                                                |
| Black            | SUV          | 14:39:06                           | 14:40:33                            | 0:01:27  | SBL                                         | SBL                                                |
| Black            | Sedan        | 14:39:15                           | 14:41:11                            | 0:01:56  | SBL                                         | SBL                                                |
| Black            | SUV          | 14:39:18                           | 14:40:50                            | 0:01:32  | SBL                                         | SBR                                                |
| Red              | Sedan        | 14:39:19                           | X                                   |          | SBL                                         | X                                                  |
| White            | Van          | 14:39:52                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 14:39:58                           | 14:42:08                            | 0:02:10  | NBR                                         | SBL                                                |
| Silver           | SUV          | 14:40:48                           | 14:41:49                            | 0:01:01  | SBL                                         | SBR                                                |
| Maroon           | SUV          | 14:40:51                           | 14:42:30                            | 0:01:39  | SBL                                         | SBL                                                |
| White            | SUV          | 14:41:05                           | 14:42:30                            | 0:01:25  | SBL                                         | SBR                                                |
| White            | SUV          | 14:41:11                           | 14:42:46                            | 0:01:35  | SBL                                         | SBR                                                |
| Grey             | Truck        | 14:42:39                           | 14:43:54                            | 0:01:15  | SBL                                         | SBL                                                |
| Black            | Sedan        | 14:42:43                           | 14:44:17                            | 0:01:34  | SBL                                         | SBL                                                |
| Black            | Truck        | 14:43:11                           | 14:44:23                            | 0:01:12  | SBL                                         | SBR                                                |
| White            | SUV          | 14:43:20                           | 14:44:19                            | 0:00:59  | SBL                                         | SBR                                                |
| Black            | SUV          | 14:46:02                           | 14:47:04                            | 0:01:02  | SBL                                         | SBL                                                |
| Grey             | Truck        | 14:46:04                           | 14:47:57                            | 0:01:53  | SBL                                         | SBR                                                |
| Grey             | SUV          | 14:46:07                           | 14:47:08                            | 0:01:01  | SBL                                         | SBL                                                |
| Black            | SUV          | 14:46:20                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | Truck        | 14:46:29                           | 14:48:16                            | 0:01:47  | SBL                                         | SBL                                                |
| Black            | SUV          | 14:46:38                           | X                                   |          | NBR                                         | X                                                  |
| White            | Truck        | 14:46:56                           | 14:49:17                            | 0:02:21  | SBL                                         | SBL                                                |
| Grey             | SUV          | 14:47:20                           | 14:49:27                            | 0:02:07  | SBL                                         | SBL                                                |
| White            | SUV          | 14:47:27                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 14:47:32                           | 14:49:37                            | 0:02:05  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 14:47:37                           | 14:49:40                            | 0:02:03  | SBL                                         | SBR                                                |
| Black            | Sedan        | 14:47:39                           | 14:50:04                            | 0:02:25  | SBL                                         | SBL                                                |
| Silver           | SUV          | 14:47:41                           | 14:50:12                            | 0:02:31  | SBL                                         | SBR                                                |
| Black            | Truck        | 14:47:46                           | X                                   |          | SBL                                         | X                                                  |
| Red              | Sedan        | 14:47:57                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Truck        | 14:47:59                           | 14:50:41                            | 0:02:42  | SBL                                         | SBL                                                |
| Black            | SUV          | 14:48:34                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | Truck        | 14:49:22                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 14:49:31                           | X                                   |          | SBL                                         | X                                                  |

Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Red              | SUV          | 14:49:34                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 14:49:38                           | 14:51:25                            | 0:01:47  | NBR                                         | SBL                                                |
| Grey             | SUV          | 14:49:47                           | 14:51:40                            | 0:01:53  | SBL                                         | SBR                                                |
| Black            | SUV          | 14:49:50                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | SUV          | 14:49:51                           | 14:51:42                            | 0:01:51  | SBL                                         | SBL                                                |
| Black            | Sedan        | 14:49:54                           | 14:51:45                            | 0:01:51  | SBL                                         | SBL                                                |
| Black            | SUV          | 14:49:58                           | 14:51:49                            | 0:01:51  | SBL                                         | SBL                                                |
| Silver           | SUV          | 14:50:01                           | 14:51:53                            | 0:01:52  | SBL                                         | SBL                                                |
| White            | SUV          | 14:50:12                           | 14:51:06                            | 0:00:54  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 14:51:30                           | 14:52:33                            | 0:01:03  | NBR                                         | SBL                                                |
| Maroon           | SUV          | 14:51:38                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 14:51:43                           | 14:52:33                            | 0:00:50  | SBL                                         | SBR                                                |
| Silver           | SUV          | 14:52:02                           | 14:53:06                            | 0:01:04  | SBL                                         | SBL                                                |
| White            | Sedan        | 14:52:11                           | 14:53:08                            | 0:00:57  | SBL                                         | SBL                                                |
| Silver           | SUV          | 14:53:25                           | X                                   |          | NBR                                         | X                                                  |
| Silver           | Truck        | 14:53:57                           | 14:55:08                            | 0:01:11  | SBL                                         | SBL                                                |
| Blue             | Sedan        | 14:54:05                           | 14:55:09                            | 0:01:04  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 14:54:12                           | 14:55:16                            | 0:01:04  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 14:54:14                           | 14:56:18                            | 0:02:04  | SBL                                         | SBR                                                |
| Silver           | SUV          | 14:54:16                           | 14:55:37                            | 0:01:21  | SBL                                         | SBL                                                |
| Black            | Sedan        | 14:54:20                           | X                                   |          | NBR                                         | X                                                  |
| Sandal           | Sedan        | 14:54:23                           | 14:55:44                            | 0:01:21  | SBL                                         | SBL                                                |
| Grey             | SUV          | 14:54:33                           | 14:55:48                            | 0:01:15  | SBL                                         | SBL                                                |
| Silver           | SUV          | 14:54:35                           | X                                   |          | SBL                                         | X                                                  |
| White            | Heavy        | 14:54:42                           | 14:55:52                            | 0:01:10  | SBL                                         | SBL                                                |
| White            | Sedan        | 14:55:23                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 14:55:26                           | 14:57:47                            | 0:02:21  | SBL                                         | SBL                                                |
| Grey             | SUV          | 14:55:48                           | 14:57:50                            | 0:02:02  | SBL                                         | SBL                                                |
| Black            | SUV          | 14:56:09                           | 14:57:57                            | 0:01:48  | SBL                                         | SBL                                                |
| Black            | SUV          | 14:56:12                           | 14:58:02                            | 0:01:50  | SBL                                         | SBL                                                |
| Black            | Sedan        | 14:56:22                           | 14:58:09                            | 0:01:47  | SBL                                         | SBL                                                |
| White            | Heavy        | 14:57:25                           | 14:58:23                            | 0:00:58  | SBL                                         | SBL                                                |
| Orange           | Truck        | 14:58:14                           | 14:59:16                            | 0:01:02  | SBL                                         | SBL                                                |
| Red              | Truck        | 14:58:16                           | 14:59:20                            | 0:01:04  | SBL                                         | SBL                                                |
| White            | SUV          | 14:59:52                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | Coupe        | 15:00:16                           | 15:01:03                            | 0:00:47  | SBL                                         | SBL                                                |
| Black            | Coupe        | 15:00:21                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | SUV          | 15:00:24                           | 15:01:32                            | 0:01:08  | SBL                                         | SBL                                                |
| Blue             | Sedan        | 15:00:38                           | 15:01:34                            | 0:00:56  | SBL                                         | SBR                                                |
| White            | Truck        | 15:00:40                           | 15:01:39                            | 0:00:59  | SBL                                         | SBR                                                |
| White            | Truck        | 15:00:43                           | 15:01:45                            | 0:01:02  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 15:00:46                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 15:00:48                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 15:00:57                           | 15:01:49                            | 0:00:52  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 15:01:43                           | 15:03:39                            | 0:01:56  | NBR                                         | SBL                                                |
| Grey             | Sedan        | 15:02:04                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | SUV          | 15:02:39                           | 15:04:41                            | 0:02:02  | SBL                                         | SBL                                                |
| Black            | SUV          | 15:02:48                           | 15:03:54                            | 0:01:06  | SBL                                         | SBR                                                |
| Black            | Sedan        | 15:04:38                           | 15:05:33                            | 0:00:55  | SBL                                         | SBL                                                |
| White            | SUV          | 15:04:44                           | 15:05:36                            | 0:00:52  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 15:04:47                           | 15:06:32                            | 0:01:45  | SBL                                         | SBL                                                |
| Grey             | SUV          | 15:05:12                           | 15:06:35                            | 0:01:23  | SBL                                         | SBR                                                |
| Grey             | SUV          | 15:05:27                           | 15:06:42                            | 0:01:15  | NBR                                         | SBR                                                |
| White            | SUV          | 15:06:46                           | X                                   |          | SBL                                         | X                                                  |

Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Red              | Truck        | 15:06:56                           | 15:07:59                            | 0:01:03  | SBL                                         | SBL                                                |
| White            | Truck        | 15:07:09                           | 15:08:04                            | 0:00:55  | SBL                                         | SBL                                                |
| Black            | SUV          | 15:07:11                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 15:07:20                           | 15:08:28                            | 0:01:08  | NBR                                         | SBL                                                |
| Blue             | Sedan        | 15:10:55                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 15:10:57                           | 15:12:29                            | 0:01:32  | SBL                                         | SBL                                                |
| Black            | Truck        | 15:11:22                           | 15:12:17                            | 0:00:55  | SBL                                         | SBR                                                |
| Grey             | Crossover    | 15:11:29                           | 15:12:47                            | 0:01:18  | SBL                                         | SBL                                                |
| Grey             | SUV          | 15:11:32                           | 15:12:57                            | 0:01:25  | SBL                                         | SBL                                                |
| Black            | SUV          | 15:11:35                           | X                                   |          | SBL                                         | X                                                  |
| Maroon           | SUV          | 15:11:37                           | 15:13:01                            | 0:01:24  | SBL                                         | SBL                                                |
| Red              | SUV          | 15:11:55                           | X                                   |          | NBR                                         | X                                                  |
| White            | SUV          | 15:12:16                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 15:12:42                           | 15:13:33                            | 0:00:51  | SBL                                         | SBL                                                |
| White            | SUV          | 15:13:14                           | 15:14:33                            | 0:01:19  | SBL                                         | SBL                                                |
| Black            | Sedan        | 15:13:16                           | 15:14:04                            | 0:00:48  | SBL                                         | SBR                                                |
| Silver           | Sedan        | 15:13:27                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | SUV          | 15:13:28                           | 15:15:02                            | 0:01:34  | SBL                                         | SBL                                                |
| White            | Truck        | 15:13:43                           | X                                   |          | NBR                                         | X                                                  |
| Blue             | SUV          | 15:13:49                           | 15:15:08                            | 0:01:19  | SBL                                         | SBR                                                |
| Black            | Sedan        | 15:14:30                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 15:14:32                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 15:14:56                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 15:15:15                           | 15:16:11                            | 0:00:56  | SBL                                         | SBL                                                |
| Black            | Sedan        | 15:15:55                           | 15:17:37                            | 0:01:42  | SBL                                         | SBL                                                |
| Grey             | Truck        | 15:16:06                           | 15:17:53                            | 0:01:47  | SBL                                         | SBL                                                |
| White            | Sedan        | 15:16:43                           | 15:18:10                            | 0:01:27  | SBL                                         | SBL                                                |
| Grey             | SUV          | 15:17:41                           | 15:19:15                            | 0:01:34  | SBL                                         | SBL                                                |
| Blue             | Sedan        | 15:17:58                           | 15:19:21                            | 0:01:23  | SBL                                         | SBL                                                |
| Black            | Truck        | 15:18:11                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 15:18:13                           | 15:19:26                            | 0:01:13  | SBL                                         | SBR                                                |
| Silver           | Sedan        | 15:18:17                           | 15:19:30                            | 0:01:13  | SBL                                         | SBR                                                |
| Blue             | SUV          | 15:18:44                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 15:19:49                           | 15:20:37                            | 0:00:48  | SBL                                         | SBL                                                |
| Blue             | Jeep         | 15:20:06                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 15:20:14                           | X                                   |          | SBL                                         | X                                                  |
| Maroon           | SUV          | 15:20:34                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 15:20:55                           | 15:21:57                            | 0:01:02  | NBR                                         | SBR                                                |
| Grey             | Crossover    | 15:21:06                           | 15:22:03                            | 0:00:57  | SBL                                         | SBR                                                |
| Blue             | Truck        | 15:21:09                           | 15:22:32                            | 0:01:23  | SBL                                         | SBR                                                |
| Black            | SUV          | 15:21:16                           | 15:23:57                            | 0:02:41  | SBL                                         | SBL                                                |
| Black            | SUV          | 15:21:40                           | 15:24:01                            | 0:02:21  | SBL                                         | SBR                                                |
| Black            | Sedan        | 15:22:04                           | 15:24:04                            | 0:02:00  | SBL                                         | SBL                                                |
| Maroon           | Coupe        | 15:22:06                           | 15:24:07                            | 0:02:01  | SBL                                         | SBR                                                |
| Maroon           | SUV          | 15:22:18                           | X                                   |          | SBL                                         | X                                                  |
| Pink             | Coupe        | 15:22:20                           | 15:24:17                            | 0:01:57  | SBL                                         | SBL                                                |
| White            | Van          | 15:22:45                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 15:23:01                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | Sedan        | 15:24:09                           | 15:25:17                            | 0:01:08  | SBL                                         | SBL                                                |
| Black            | Truck        | 15:24:10                           | 15:25:04                            | 0:00:54  | SBL                                         | SBR                                                |
| Maroon           | Truck        | 15:24:14                           | 15:25:19                            | 0:01:05  | SBL                                         | SBL                                                |
| White            | Sedan        | 15:24:17                           | 15:25:20                            | 0:01:03  | SBL                                         | SBR                                                |
| Black            | SUV          | 15:24:37                           | 15:26:03                            | 0:01:26  | NBR                                         | SBL                                                |
| Black            | Sedan        | 15:25:15                           | 15:26:15                            | 0:01:00  | NBR                                         | SBR                                                |



Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Black            | SUV          | 15:26:01                           | 15:26:59                            | 0:00:58  | SBL                                         | SBL                                                |
| Red              | Crossover    | 15:26:39                           | X                                   |          | NBR                                         | X                                                  |
| White            | SUV          | 15:27:51                           | X                                   |          | SBL                                         | X                                                  |
| Blue             | SUV          | 15:28:34                           | 15:29:43                            | 0:01:09  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 15:30:27                           | 15:31:17                            | 0:00:50  | SBL                                         | SBR                                                |
| Maroon           | SUV          | 15:30:53                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 15:30:56                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 15:31:00                           | 15:31:57                            | 0:00:57  | SBL                                         | SBR                                                |
| Red              | Sedan        | 15:31:03                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 15:31:05                           | 15:32:08                            | 0:01:03  | SBL                                         | SBL                                                |
| Grey             | SUV          | 15:31:17                           | 15:32:07                            | 0:00:50  | SBL                                         | SBR                                                |
| Red              | SUV          | 15:31:38                           | 15:32:59                            | 0:01:21  | NBR                                         | SBR                                                |
| White            | Sedan        | 15:31:49                           | 15:33:11                            | 0:01:22  | NBR                                         | SBL                                                |
| White            | Sedan        | 15:31:56                           | X                                   |          | NBR                                         | X                                                  |
| Red              | SUV          | 15:32:54                           | 15:33:46                            | 0:00:52  | SBL                                         | SBL                                                |
| Grey             | Truck        | 15:32:56                           | 15:34:35                            | 0:01:39  | SBL                                         | SBL                                                |
| Red              | Sedan        | 15:33:03                           | 15:34:42                            | 0:01:39  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 15:33:05                           | 15:34:45                            | 0:01:40  | SBL                                         | SBL                                                |
| White            | Sedan        | 15:33:09                           | X                                   |          | SBL                                         | X                                                  |
| Red              | Truck        | 15:33:11                           | 15:34:49                            | 0:01:38  | SBL                                         | SBL                                                |
| White            | SUV          | 15:33:13                           | 15:35:41                            | 0:02:28  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 15:33:25                           | 15:35:44                            | 0:02:19  | SBL                                         | SBL                                                |
| White            | Van          | 15:33:27                           | 15:35:46                            | 0:02:19  | SBL                                         | SBL                                                |
| Grey             | SUV          | 15:33:43                           | 15:35:48                            | 0:02:05  | SBL                                         | SBR                                                |
| White            | Truck        | 15:34:23                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | Crossover    | 15:34:36                           | X                                   |          | NBR                                         | X                                                  |
| White            | Crossover    | 15:34:49                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 15:34:54                           | X                                   |          | SBL                                         | X                                                  |
| Red              | Truck        | 15:35:03                           | 15:36:12                            | 0:01:09  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 15:35:12                           | 15:36:38                            | 0:01:26  | NBR                                         | SBL                                                |
| Black            | Sedan        | 15:35:15                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 15:35:16                           | 15:36:40                            | 0:01:24  | SBL                                         | SBL                                                |
| Black            | Crossover    | 15:35:18                           | 15:37:03                            | 0:01:45  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 15:36:09                           | 15:36:53                            | 0:00:44  | SBL                                         | SBR                                                |
| White            | Truck        | 15:36:37                           | 15:38:06                            | 0:01:29  | NBR                                         | SBR                                                |
| Grey             | Sedan        | 15:36:43                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 15:36:47                           | 15:38:17                            | 0:01:30  | SBL                                         | SBL                                                |
| White            | SUV          | 15:37:09                           | 15:38:09                            | 0:01:00  | NBR                                         | SBR                                                |
| Black            | Sedan        | 15:37:19                           | 15:38:21                            | 0:01:02  | SBL                                         | SBL                                                |
| Red              | SUV          | 15:37:32                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 15:37:33                           | 15:38:48                            | 0:01:15  | SBL                                         | SBL                                                |
| Maroon           | SUV          | 15:37:36                           | 15:38:52                            | 0:01:16  | SBL                                         | SBL                                                |
| White            | Crossover    | 15:37:53                           | X                                   |          | NBR                                         | X                                                  |
| Black            | Sedan        | 15:38:18                           | 15:39:15                            | 0:00:57  | SBL                                         | SBR                                                |
| Maroon           | SUV          | 15:38:33                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Truck        | 15:40:44                           | 15:41:41                            | 0:00:57  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 15:41:17                           | 15:43:12                            | 0:01:55  | SBL                                         | SBL                                                |
| Maroon           | SUV          | 15:41:20                           | 15:43:24                            | 0:02:04  | SBL                                         | SBL                                                |
| Silver           | SUV          | 15:41:38                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 15:41:50                           | X                                   |          | NBR                                         | X                                                  |
| White            | Sedan        | 15:41:53                           | 15:43:26                            | 0:01:33  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 15:42:22                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 15:42:35                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 15:43:24                           | 15:44:14                            | 0:00:50  | SBL                                         | SBR                                                |

Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Black            | Sedan        | 15:43:26                           | 15:44:24                            | 0:00:58  | SBL                                         | SBL                                                |
| Red              | SUV          | 15:43:56                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 15:43:59                           | 15:44:51                            | 0:00:52  | SBL                                         | SBL                                                |
| White            | Van          | 15:44:01                           | 15:45:06                            | 0:01:05  | SBL                                         | SBR                                                |
| Silver           | Truck        | 15:44:30                           | 15:45:26                            | 0:00:56  | SBL                                         | SBR                                                |
| Maroon           | Sedan        | 15:44:59                           | 15:46:31                            | 0:01:32  | SBL                                         | SBR                                                |
| White            | Truck        | 15:45:11                           | 15:46:38                            | 0:01:27  | SBL                                         | SBR                                                |
| White            | SUV          | 15:45:13                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 15:45:23                           | 15:46:45                            | 0:01:22  | SBL                                         | SBL                                                |
| White            | Sedan        | 15:45:46                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | SUV          | 15:45:48                           | 15:48:06                            | 0:02:18  | SBL                                         | SBL                                                |
| Silver           | Truck        | 15:45:59                           | 15:48:15                            | 0:02:16  | SBL                                         | SBL                                                |
| Black            | Sedan        | 15:46:13                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 15:46:15                           | 15:48:31                            | 0:02:16  | SBL                                         | SBL                                                |
| Black            | Jeep         | 15:46:31                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | Sedan        | 15:48:06                           | 15:49:09                            | 0:01:03  | SBL                                         | SBL                                                |
| Black            | Sedan        | 15:48:13                           | 15:49:15                            | 0:01:02  | SBL                                         | SBL                                                |
| Black            | Truck        | 15:49:05                           | 15:50:16                            | 0:01:11  | SBL                                         | SBR                                                |
| White            | SUV          | 15:49:07                           | 15:50:26                            | 0:01:19  | SBL                                         | SBR                                                |
| Red              | Jeep         | 15:49:19                           | 15:51:00                            | 0:01:41  | SBL                                         | SBL                                                |
| Black            | SUV          | 15:49:55                           | X                                   |          | NBR                                         | X                                                  |
| Maroon           | SUV          | 15:50:27                           | 15:52:26                            | 0:01:59  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 15:50:34                           | 15:52:31                            | 0:01:57  | SBL                                         | SBL                                                |
| Black            | SUV          | 15:50:42                           | 15:52:39                            | 0:01:57  | SBL                                         | SBL                                                |
| Silver           | SUV          | 15:50:54                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 15:50:55                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 15:51:15                           | X                                   |          | SBL                                         | X                                                  |
| Red              | Sedan        | 15:51:19                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 15:52:20                           | 15:53:12                            | 0:00:52  | SBL                                         | SBL                                                |
| White            | SUV          | 15:52:56                           | 15:53:54                            | 0:00:58  | NBR                                         | SBR                                                |
| White            | SUV          | 15:53:00                           | 15:54:12                            | 0:01:12  | SBL                                         | SBL                                                |
| Grey             | SUV          | 15:53:02                           | 15:54:16                            | 0:01:14  | SBL                                         | SBL                                                |
| Red              | Truck        | 15:53:05                           | 15:54:19                            | 0:01:14  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 15:53:06                           | 15:54:24                            | 0:01:18  | SBL                                         | SBR                                                |
| White            | SUV          | 15:53:17                           | 15:54:30                            | 0:01:13  | SBL                                         | SBL                                                |
| Black            | Sedan        | 15:53:22                           | 15:54:33                            | 0:01:11  | SBL                                         | SBL                                                |
| Grey             | SUV          | 15:53:30                           | 15:54:37                            | 0:01:07  | NBR                                         | SBL                                                |
| White            | Sedan        | 15:53:32                           | X                                   |          | SBL                                         | X                                                  |
| White            | Van          | 15:53:34                           | 15:54:37                            | 0:01:03  | SBL                                         | SBR                                                |
| Silver           | Sedan        | 15:53:42                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 15:53:46                           | 15:54:47                            | 0:01:01  | SBL                                         | SBL                                                |
| White            | SUV          | 15:53:47                           | 15:55:21                            | 0:01:34  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 15:53:50                           | 15:55:27                            | 0:01:37  | SBL                                         | SBL                                                |
| White            | Sedan        | 15:55:26                           | 15:56:23                            | 0:00:57  | SBL                                         | SBL                                                |
| Black            | SUV          | 15:55:28                           | 15:56:30                            | 0:01:02  | SBL                                         | SBL                                                |
| White            | Sedan        | 15:55:32                           | 15:56:35                            | 0:01:03  | SBL                                         | SBL                                                |
| Black            | SUV          | 15:55:35                           | 15:56:54                            | 0:01:19  | SBL                                         | SBL                                                |
| Black            | SUV          | 15:55:38                           | 15:57:23                            | 0:01:45  | SBL                                         | SBR                                                |
| Black            | SUV          | 15:55:41                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 15:55:50                           | 15:57:48                            | 0:01:58  | SBL                                         | SBL                                                |
| White            | Sedan        | 15:57:53                           | 15:59:08                            | 0:01:15  | SBL                                         | SBL                                                |
| White            | SUV          | 15:57:59                           | 15:59:13                            | 0:01:14  | SBL                                         | SBL                                                |
| White            | SUV          | 15:58:07                           | 15:59:26                            | 0:01:19  | NBR                                         | SBL                                                |
| Silver           | Sedan        | 15:58:10                           | 15:59:46                            | 0:01:36  | SBL                                         | SBL                                                |

Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6 Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Sky Blue         | Sedan        | 15:58:12                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 15:58:34                           | 16:00:38                            | 0:02:04  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 15:58:57                           | 16:00:41                            | 0:01:44  | SBL                                         | SBL                                                |
| Maroon           | Sedan        | 15:58:59                           | 16:00:45                            | 0:01:46  | SBL                                         | SBL                                                |
| Black            | SUV          | 15:59:31                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 15:59:59                           | 16:00:47                            | 0:00:48  | NBR                                         | SBR                                                |
| Maroon           | SUV          | 16:00:05                           | X                                   |          | SBL                                         | X                                                  |
| Red              | SUV          | 16:00:13                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 16:00:22                           | 16:01:53                            | 0:01:31  | SBL                                         | SBL                                                |
| Red              | Sedan        | 16:00:54                           | 16:01:53                            | 0:00:59  | SBL                                         | SBR                                                |
| Silver           | Sedan        | 16:00:56                           | 16:02:37                            | 0:01:41  | SBL                                         | SBL                                                |
| Black            | SUV          | 16:01:18                           | X                                   |          | NBR                                         | X                                                  |
| Blue             | Sedan        | 16:01:20                           | 16:02:43                            | 0:01:23  | SBL                                         | SBR                                                |
| Red              | Sedan        | 16:01:22                           | 16:02:47                            | 0:01:25  | SBL                                         | SBL                                                |
| Maroon           | Sedan        | 16:01:27                           | 16:02:50                            | 0:01:23  | SBL                                         | SBL                                                |
| Black            | Sedan        | 16:01:29                           | 16:02:41                            | 0:01:12  | SBL                                         | SBL                                                |
| White            | Sedan        | 16:01:32                           | 16:02:58                            | 0:01:26  | SBL                                         | SBR                                                |
| White            | SUV          | 16:02:14                           | X                                   |          | NBR                                         | X                                                  |
| Silver           | SUV          | 16:02:41                           | X                                   |          | SBL                                         | X                                                  |
| Blue             | Sedan        | 16:02:54                           | X                                   |          | NBR                                         | X                                                  |
| Blue             | Sedan        | 16:03:05                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 16:03:07                           | X                                   |          | SBL                                         | X                                                  |
| White            | Truck        | 16:03:13                           | 16:04:47                            | 0:01:34  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 16:03:26                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 16:03:33                           | 16:05:08                            | 0:01:35  | SBL                                         | SBL                                                |
| White            | Sedan        | 16:03:39                           | 16:05:17                            | 0:01:38  | SBL                                         | SBL                                                |
| White            | Sedan        | 16:03:42                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 16:03:55                           | X                                   |          | SBL                                         | X                                                  |
| Blue             | Sedan        | 16:04:02                           | 16:05:24                            | 0:01:22  | SBL                                         | SBL                                                |
| White            | SUV          | 16:04:23                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 16:05:32                           | 16:06:20                            | 0:00:48  | SBL                                         | SBL                                                |
| Maroon           | SUV          | 16:05:43                           | 16:06:41                            | 0:00:58  | SBL                                         | SBR                                                |
| Maroon           | Sedan        | 16:05:55                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | Sedan        | 16:05:58                           | 16:07:07                            | 0:01:09  | SBL                                         | SBL                                                |
| White            | Van          | 16:06:15                           | 16:07:11                            | 0:00:56  | SBL                                         | SBL                                                |
| White            | SUV          | 16:06:22                           | 16:07:17                            | 0:00:55  | SBL                                         | SBL                                                |
| White            | SUV          | 16:06:25                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 16:06:29                           | 16:07:21                            | 0:00:52  | SBL                                         | SBL                                                |
| Black            | SUV          | 16:06:38                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 16:06:57                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 16:07:52                           | X                                   |          | SBL                                         | X                                                  |
| Maroon           | Sedan        | 16:08:01                           | X                                   |          | SBL                                         | X                                                  |
| Blue             | Sedan        | 16:08:06                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | Sedan        | 16:08:15                           | 16:10:15                            | 0:02:00  | SBL                                         | SBR                                                |
| White            | Van          | 16:08:29                           | 16:09:33                            | 0:01:04  | SBL                                         | SBL                                                |
| Black            | Sedan        | 16:08:33                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 16:08:47                           | 16:11:26                            | 0:02:39  | SBL                                         | SBR                                                |
| White            | SUV          | 16:10:25                           | 16:11:30                            | 0:01:05  | SBL                                         | SBR                                                |
| Red              | SUV          | 16:10:27                           | 16:11:30                            | 0:01:03  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 16:10:29                           | 16:11:33                            | 0:01:04  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 16:10:52                           | 16:12:19                            | 0:01:27  | SBL                                         | SBL                                                |
| Silver           | SUV          | 16:10:54                           | 16:12:41                            | 0:01:47  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 16:11:12                           | 16:13:20                            | 0:02:08  | SBL                                         | SBL                                                |
| White            | Van          | 16:11:17                           | X                                   |          | SBL                                         | X                                                  |



Southbound – Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Black            | Truck        | 16:11:46                           | 16:13:42                            | 0:01:56  | NBR                                         | SBL                                                |
| Black            | SUV          | 16:12:51                           | 16:14:52                            | 0:02:01  | SBL                                         | SBR                                                |
| Black            | Truck        | 16:13:09                           | 16:14:56                            | 0:01:47  | SBL                                         | SBL                                                |
| Black            | Truck        | 16:13:17                           | 16:14:58                            | 0:01:41  | NBR                                         | SBR                                                |
| Grey             | SUV          | 16:13:21                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 16:13:27                           | 16:15:06                            | 0:01:39  | NBR                                         | SBR                                                |
| Black            | SUV          | 16:13:42                           | X                                   |          | NBR                                         | X                                                  |
| Silver           | Sedan        | 16:13:54                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | SUV          | 16:14:04                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 16:14:13                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 16:14:19                           | 16:15:41                            | 0:01:22  | SBL                                         | SBL                                                |
| Black            | SUV          | 16:14:32                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | SUV          | 16:15:32                           | 16:17:05                            | 0:01:33  | SBL                                         | SBL                                                |
| Black            | SUV          | 16:15:39                           | 16:17:21                            | 0:01:42  | SBL                                         | SBL                                                |
| Blue             | SUV          | 16:15:57                           | X                                   |          | NBR                                         | X                                                  |
| Silver           | Sedan        | 16:15:59                           | 16:18:05                            | 0:02:06  | SBL                                         | SBR                                                |
| Silver           | Sedan        | 16:16:31                           | 16:18:09                            | 0:01:38  | SBL                                         | SBR                                                |
| White            | Truck        | 16:16:33                           | 16:18:14                            | 0:01:41  | SBL                                         | SBL                                                |
| Black            | SUV          | 16:16:37                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 16:16:39                           | 16:18:19                            | 0:01:40  | SBL                                         | SBL                                                |
| Black            | SUV          | 16:16:45                           | 16:18:23                            | 0:01:38  | SBL                                         | SBL                                                |
| Black            | SUV          | 16:17:36                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 16:18:41                           | 16:19:53                            | 0:01:12  | SBL                                         | SBL                                                |
| Black            | Sedan        | 16:18:45                           | 16:20:01                            | 0:01:16  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 16:18:47                           | 16:20:06                            | 0:01:19  | SBL                                         | SBL                                                |
| White            | Truck        | 16:18:51                           | X                                   |          | SBL                                         | X                                                  |
| Orange           | Sedan        | 16:18:52                           | 16:20:18                            | 0:01:26  | SBL                                         | SBL                                                |
| Silver           | SUV          | 16:18:57                           | 16:20:36                            | 0:01:39  | NBR                                         | SBL                                                |
| Black            | SUV          | 16:19:10                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 16:19:12                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 16:19:50                           | 16:20:53                            | 0:01:03  | NBR                                         | SBR                                                |
| Silver           | Sedan        | 16:19:50                           | 16:21:17                            | 0:01:27  | SBL                                         | SBL                                                |
| White            | SUV          | 16:20:20                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | Sedan        | 16:20:41                           | 16:22:02                            | 0:01:21  | SBL                                         | SBL                                                |
| White            | SUV          | 16:20:43                           | 16:22:04                            | 0:01:21  | SBL                                         | SBL                                                |
| Black            | SUV          | 16:20:48                           | 16:22:32                            | 0:01:44  | SBL                                         | SBL                                                |
| White            | Sedan        | 16:20:57                           | 16:22:14                            | 0:01:17  | SBL                                         | SBR                                                |
| Black            | Sedan        | 16:21:01                           | 16:22:36                            | 0:01:35  | SBL                                         | SBL                                                |
| White            | Sedan        | 16:21:07                           | 16:22:44                            | 0:01:37  | NBR                                         | SBR                                                |
| Black            | SUV          | 16:21:11                           | 16:23:52                            | 0:02:41  | SBL                                         | SBL                                                |
| Black            | SUV          | 16:21:18                           | 16:23:03                            | 0:01:45  | NBR                                         | SBR                                                |
| White            | Truck        | 16:21:20                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 16:21:53                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Truck        | 16:22:48                           | 16:23:43                            | 0:00:55  | SBL                                         | SBR                                                |
| Black            | Sedan        | 16:22:59                           | 16:24:30                            | 0:01:31  | SBL                                         | SBL                                                |
| Black            | Sedan        | 16:23:03                           | 16:24:31                            | 0:01:28  | SBL                                         | SBR                                                |
| White            | Sedan        | 16:23:05                           | 16:24:35                            | 0:01:30  | SBL                                         | SBL                                                |
| Red              | Sedan        | 16:23:23                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 16:23:45                           | 16:24:40                            | 0:00:55  | NBR                                         | SBR                                                |
| Black            | Sedan        | 16:23:48                           | 16:24:45                            | 0:00:57  | SBL                                         | SBL                                                |
| Black            | Sedan        | 16:23:52                           | 16:24:47                            | 0:00:55  | SBL                                         | SBR                                                |
| Grey             | SUV          | 16:23:55                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | SUV          | 16:25:22                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Truck        | 16:25:24                           | 16:26:30                            | 0:01:06  | SBL                                         | SBL                                                |

Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Black            | SUV          | 16:25:36                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 16:25:38                           | 16:26:34                            | 0:00:56  | SBL                                         | SBL                                                |
| Black            | SUV          | 16:25:41                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 16:25:43                           | 16:26:44                            | 0:01:01  | SBL                                         | SBL                                                |
| White            | SUV          | 16:25:45                           | 16:26:46                            | 0:01:01  | SBL                                         | SBR                                                |
| Red              | SUV          | 16:25:52                           | 16:26:49                            | 0:00:57  | SBL                                         | SBR                                                |
| Blue             | Sedan        | 16:25:56                           | 16:26:54                            | 0:00:58  | SBL                                         | SBL                                                |
| Silver           | SUV          | 16:26:01                           | 16:27:03                            | 0:01:02  | SBL                                         | SBL                                                |
| Black            | SUV          | 16:26:03                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 16:26:49                           | 16:27:57                            | 0:01:08  | NBR                                         | SBL                                                |
| Red              | Sedan        | 16:27:00                           | X                                   |          | NBR                                         | X                                                  |
| Blue             | SUV          | 16:28:12                           | 16:29:02                            | 0:00:50  | SBL                                         | SBL                                                |
| Grey             | SUV          | 16:28:36                           | 16:29:57                            | 0:01:21  | NBR                                         | SBL                                                |
| Red              | Sedan        | 16:28:57                           | 16:29:59                            | 0:01:02  | SBL                                         | SBL                                                |
| White            | Truck        | 16:29:11                           | 16:30:13                            | 0:01:02  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 16:29:14                           | 16:30:17                            | 0:01:03  | SBL                                         | SBL                                                |
| Silver           | Truck        | 16:29:16                           | 16:30:21                            | 0:01:05  | SBL                                         | SBL                                                |
| White            | SUV          | 16:29:23                           | 16:30:24                            | 0:01:01  | SBL                                         | SBR                                                |
| White            | Sedan        | 16:29:26                           | 16:30:53                            | 0:01:27  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 16:29:36                           | 16:31:00                            | 0:01:24  | NBR                                         | SBL                                                |
| Black            | SUV          | 16:30:24                           | 16:31:17                            | 0:00:53  | SBL                                         | SBL                                                |
| Black            | SUV          | 16:30:39                           | 16:31:23                            | 0:00:44  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 16:30:58                           | X                                   |          | SBL                                         | X                                                  |
| White & Pink     | SUV          | 16:31:00                           | 16:32:13                            | 0:01:13  | SBL                                         | SBL                                                |
| Black            | SUV          | 16:31:02                           | 16:32:04                            | 0:01:02  | SBL                                         | SBR                                                |
| Black            | SUV          | 16:31:13                           | 16:32:28                            | 0:01:15  | SBL                                         | SBL                                                |
| Maroon           | SUV          | 16:31:28                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Truck        | 16:31:48                           | 16:33:07                            | 0:01:19  | NBR                                         | SBL                                                |
| White            | Sedan        | 16:31:52                           | 16:34:16                            | 0:02:24  | NBR                                         | SBL                                                |
| Blue             | SUV          | 16:32:12                           | 16:34:30                            | 0:02:18  | NBR                                         | SBL                                                |
| Black            | SUV          | 16:32:53                           | 16:34:15                            | 0:01:22  | NBR                                         | SBR                                                |
| White            | SUV          | 16:34:14                           | 16:36:16                            | 0:02:02  | NBR                                         | SBL                                                |
| Silver           | Truck        | 16:34:28                           | 16:35:41                            | 0:01:13  | NBR                                         | SBR                                                |
| Black            | SUV          | 16:34:36                           | 16:35:47                            | 0:01:11  | SBL                                         | SBL                                                |
| White            | SUV          | 16:35:00                           | 16:36:49                            | 0:01:49  | SBL                                         | SBL                                                |
| Black            | SUV          | 16:35:49                           | 16:37:26                            | 0:01:37  | SBL                                         | SBR                                                |
| Grey             | SUV          | 16:35:52                           | 16:38:11                            | 0:02:19  | SBL                                         | SBL                                                |
| Silver           | Truck        | 16:35:54                           | X                                   |          | SBL                                         | X                                                  |
| White            | Truck        | 16:35:56                           | 16:38:14                            | 0:02:18  | SBL                                         | SBL                                                |
| Black            | SUV          | 16:35:59                           | 16:38:17                            | 0:02:18  | SBL                                         | SBL                                                |
| Red              | Truck        | 16:36:03                           | 16:38:38                            | 0:02:35  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 16:36:18                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 16:36:20                           | 16:38:41                            | 0:02:21  | SBL                                         | SBR                                                |
| White            | Heavy        | 16:36:46                           | 16:38:49                            | 0:02:03  | NBR                                         | SBR                                                |
| Red              | SUV          | 16:37:57                           | 16:39:53                            | 0:01:56  | SBL                                         | SBR                                                |
| Black            | SUV          | 16:38:36                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 16:38:38                           | X                                   |          | SBL                                         | X                                                  |
| Maroon           | SUV          | 16:38:41                           | 16:39:58                            | 0:01:17  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 16:38:43                           | 16:40:01                            | 0:01:18  | SBL                                         | SBL                                                |
| Black            | Sedan        | 16:38:45                           | 16:40:03                            | 0:01:18  | SBL                                         | SBL                                                |
| Black            | Sedan        | 16:39:55                           | 16:40:52                            | 0:00:57  | NBR                                         | SBL                                                |
| Silver           | SUV          | 16:40:10                           | 16:41:15                            | 0:01:05  | SBL                                         | SBL                                                |
| Maroon           | SUV          | 16:40:22                           | 16:41:45                            | 0:01:23  | SBL                                         | SBL                                                |
| White            | SUV          | 16:40:37                           | 16:41:49                            | 0:01:12  | NBR                                         | SBL                                                |

Southbound – Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Blue             | SUV          | 16:40:39                           | X                                   |          | SBL                                         | X                                                  |
| Black & Red      | Crossover    | 16:40:41                           | 16:41:46                            | 0:01:05  | SBL                                         | SBR                                                |
| Red              | SUV          | 16:40:50                           | X                                   |          | SBL                                         | X                                                  |
| White            | Van          | 16:41:00                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 16:41:02                           | 16:42:18                            | 0:01:16  | SBL                                         | SBL                                                |
| Black            | Sedan        | 16:41:07                           | 16:42:22                            | 0:01:15  | SBL                                         | SBR                                                |
| Black            | Sedan        | 16:42:22                           | 16:43:27                            | 0:01:05  | SBL                                         | SBL                                                |
| Black            | Sedan        | 16:43:06                           | 16:44:00                            | 0:00:54  | SBL                                         | SBR                                                |
| White            | Sedan        | 16:43:10                           | 16:44:07                            | 0:00:57  | SBL                                         | SBR                                                |
| Maroon           | SUV          | 16:43:26                           | 16:44:22                            | 0:00:56  | SBL                                         | SBR                                                |
| Black            | Sedan        | 16:43:27                           | 16:44:24                            | 0:00:57  | SBL                                         | SBL                                                |
| Black            | Sedan        | 16:43:33                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 16:43:59                           | 16:44:53                            | 0:00:54  | SBL                                         | SBR                                                |
| White            | Van          | 16:44:02                           | 16:44:57                            | 0:00:55  | SBL                                         | SBR                                                |
| Grey             | SUV          | 16:44:13                           | 16:45:06                            | 0:00:53  | SBL                                         | SBL                                                |
| Black            | SUV          | 16:45:40                           | X                                   |          | SBL                                         | X                                                  |
| Maroon           | SUV          | 16:46:03                           | X                                   |          | SBL                                         | X                                                  |
| Blue             | Truck        | 16:46:05                           | 16:47:05                            | 0:01:00  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 16:46:32                           | 16:47:22                            | 0:00:50  | SBL                                         | SBR                                                |
| Silver           | SUV          | 16:46:35                           | 16:47:36                            | 0:01:01  | SBL                                         | SBL                                                |
| Silver           | Truck        | 16:46:46                           | X                                   |          | SBL                                         | X                                                  |
| Blue             | Crossover    | 16:46:49                           | X                                   |          | SBL                                         | X                                                  |
| White            | Truck        | 16:47:23                           | 16:48:28                            | 0:01:05  | SBL                                         | SBL                                                |
| White            | Truck        | 16:47:47                           | X                                   |          | SBL                                         | X                                                  |
| Red              | SUV          | 16:48:19                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | SUV          | 16:48:26                           | 16:50:18                            | 0:01:52  | SBL                                         | SBL                                                |
| Red              | Truck        | 16:48:27                           | 16:50:20                            | 0:01:53  | SBL                                         | SBL                                                |
| Black            | SUV          | 16:48:50                           | 16:50:57                            | 0:02:07  | SBL                                         | SBL                                                |
| White            | SUV          | 16:48:53                           | X                                   |          | SBL                                         | X                                                  |
| Red              | Truck        | 16:49:04                           | 16:51:08                            | 0:02:04  | SBL                                         | SBL                                                |
| Black            | SUV          | 16:49:07                           | 16:51:30                            | 0:02:23  | SBL                                         | SBL                                                |
| Black            | Sedan        | 16:49:09                           | 16:51:32                            | 0:02:23  | SBL                                         | SBL                                                |
| Silver           | Truck        | 16:49:57                           | 16:52:21                            | 0:02:24  | NBR                                         | SBL                                                |
| Silver           | SUV          | 16:50:11                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 16:50:41                           | 16:52:57                            | 0:02:16  | SBL                                         | SBT                                                |
| White            | Sedan        | 16:50:44                           | 16:53:42                            | 0:02:58  | SBL                                         | SBL                                                |
| Blue             | Sedan        | 16:51:11                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Van          | 16:52:39                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 16:53:11                           | 16:54:46                            | 0:01:35  | SBL                                         | SBR                                                |
| Black            | Sedan        | 16:53:13                           | 16:54:49                            | 0:01:36  | SBL                                         | SBR                                                |
| Black            | SUV          | 16:53:16                           | 16:54:46                            | 0:01:30  | SBL                                         | SBL                                                |
| Grey             | SUV          | 16:54:19                           | X                                   |          | NBR                                         | X                                                  |
| Silver           | SUV          | 16:55:03                           | X                                   |          | NBR                                         | X                                                  |
| White            | SUV          | 16:55:05                           | 16:56:38                            | 0:01:33  | SBL                                         | SBR                                                |
| White            | Van          | 16:55:08                           | 16:56:41                            | 0:01:33  | SBL                                         | SBR                                                |
| Silver           | Sedan        | 16:55:15                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 16:55:24                           | 16:56:30                            | 0:01:06  | SBL                                         | SBL                                                |
| White            | SUV          | 16:55:36                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 16:56:00                           | 16:57:06                            | 0:01:06  | SBL                                         | SBR                                                |
| Black            | Sedan        | 16:56:02                           | 16:57:27                            | 0:01:25  | SBL                                         | SBL                                                |
| Black            | Sedan        | 16:56:28                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 16:56:37                           | 16:57:42                            | 0:01:05  | SBL                                         | SBR                                                |
| Silver           | Sedan        | 16:56:40                           | 16:59:11                            | 0:02:31  | SBL                                         | SBL                                                |
| Grey             | Truck        | 16:58:04                           | X                                   |          | NBR                                         | X                                                  |



Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| White            | Sedan        | 16:58:07                           | 16:59:34                            | 0:01:27  | SBL                                         | SBL                                                |
| Black            | Sedan        | 16:58:10                           | 16:59:37                            | 0:01:27  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 16:58:12                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 16:58:26                           | 16:59:40                            | 0:01:14  | NBR                                         | SBR                                                |
| Red              | SUV          | 16:58:35                           | 16:59:49                            | 0:01:14  | SBL                                         | SBR                                                |
| White            | Van          | 16:58:37                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 16:58:43                           | 17:01:03                            | 0:02:20  | SBL                                         | SBL                                                |
| Silver           | SUV          | 16:58:46                           | 17:00:41                            | 0:01:55  | SBL                                         | SBR                                                |
| Black            | SUV          | 16:58:47                           | 17:01:21                            | 0:02:34  | SBL                                         | SBL                                                |
| Blue             | SUV          | 16:58:50                           | 17:01:24                            | 0:02:34  | SBL                                         | SBL                                                |
| White            | SUV          | 16:59:01                           | 17:01:27                            | 0:02:26  | SBL                                         | SBL                                                |
| Silver           | Van          | 17:00:09                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 17:00:17                           | 17:02:23                            | 0:02:06  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 17:00:36                           | 17:02:26                            | 0:01:50  | SBL                                         | SBL                                                |
| Black            | Sedan        | 17:00:40                           | 17:02:38                            | 0:01:58  | SBL                                         | SBL                                                |
| Black            | Minivan      | 17:00:47                           | 17:02:49                            | 0:02:02  | SBL                                         | SBL                                                |
| White            | SUV          | 17:00:49                           | 17:03:20                            | 0:02:31  | SBL                                         | SBL                                                |
| White            | Sedan        | 17:02:14                           | 17:03:30                            | 0:01:16  | SBL                                         | SBL                                                |
| Grey             | Crossover    | 17:02:57                           | 17:04:29                            | 0:01:32  | SBL                                         | SBR                                                |
| Blue             | Sedan        | 17:03:07                           | 17:04:31                            | 0:01:24  | SBL                                         | SBL                                                |
| Black            | SUV          | 17:03:14                           | 17:04:37                            | 0:01:23  | SBL                                         | SBL                                                |
| Brown            | SUV          | 17:03:17                           | 17:04:39                            | 0:01:22  | SBL                                         | SBL                                                |
| Blue             | SUV          | 17:04:18                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | Sedan        | 17:05:01                           | 17:05:45                            | 0:00:44  | NBR                                         | SBL                                                |
| Grey             | Sedan        | 17:05:56                           | 17:07:02                            | 0:01:06  | SBL                                         | SBL                                                |
| Blue             | Sedan        | 17:06:00                           | 17:07:11                            | 0:01:11  | SBL                                         | SBL                                                |
| Grey             | SUV          | 17:06:13                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | SUV          | 17:06:17                           | X                                   |          | NBR                                         | X                                                  |
| Black            | Sedan        | 17:06:20                           | 17:07:18                            | 0:00:58  | SBL                                         | SBL                                                |
| White            | Heavy        | 17:06:48                           | 17:08:02                            | 0:01:14  | NBR                                         | SBL                                                |
| Brown            | SUV          | 17:07:04                           | 17:08:45                            | 0:01:41  | NBR                                         | SBR                                                |
| Red              | Sedan        | 17:07:06                           | 17:08:12                            | 0:01:06  | NBR                                         | SBL                                                |
| White            | Sedan        | 17:07:24                           | 17:08:51                            | 0:01:27  | NBR                                         | SBR                                                |
| Black            | Sedan        | 17:07:27                           | 17:08:58                            | 0:01:31  | SBL                                         | SBL                                                |
| Red              | Truck        | 17:07:51                           | 17:09:09                            | 0:01:18  | SBL                                         | SBR                                                |
| Red              | Sedan        | 17:08:14                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 17:08:22                           | 17:09:29                            | 0:01:07  | SBL                                         | SBR                                                |
| Black            | Sedan        | 17:08:27                           | 17:09:31                            | 0:01:04  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 17:08:49                           | 17:09:36                            | 0:00:47  | SBL                                         | SBL                                                |
| Black            | SUV          | 17:09:40                           | 17:10:45                            | 0:01:05  | SBL                                         | SBL                                                |
| Black            | SUV          | 17:10:50                           | X                                   |          | NBR                                         | X                                                  |
| Blue             | Sedan        | 17:11:11                           | 17:12:04                            | 0:00:53  | NBR                                         | SBR                                                |
| Black            | SUV          | 17:11:14                           | 17:12:16                            | 0:01:02  | SBL                                         | SBL                                                |
| White            | SUV          | 17:11:19                           | 17:12:22                            | 0:01:03  | SBL                                         | SBL                                                |
| Grey             | SUV          | 17:11:20                           | 17:12:33                            | 0:01:13  | SBL                                         | SBL                                                |
| Black            | Sedan        | 17:12:54                           | 17:13:55                            | 0:01:01  | NBR                                         | SBL                                                |
| Black            | SUV          | 17:12:58                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | Truck        | 17:13:01                           | 17:14:19                            | 0:01:18  | NBR                                         | SBL                                                |
| White            | SUV          | 17:13:05                           | X                                   |          | NBR                                         | X                                                  |
| Red              | SUV          | 17:13:12                           | 17:14:19                            | 0:01:07  | SBL                                         | SBR                                                |
| White            | Sedan        | 17:13:33                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | SUV          | 17:13:36                           | 17:14:45                            | 0:01:09  | SBL                                         | SBL                                                |
| Black            | Sedan        | 17:14:50                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 17:14:58                           | 17:15:55                            | 0:00:57  | SBL                                         | SBL                                                |

Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Blue             | SUV          | 17:15:00                           | 17:16:32                            | 0:01:32  | SBL                                         | SBL                                                |
| Black            | SUV          | 17:15:17                           | 17:17:31                            | 0:02:14  | SBL                                         | SBL                                                |
| Black            | Sedan        | 17:15:21                           | 17:17:40                            | 0:02:19  | SBL                                         | SBL                                                |
| Grey             | Truck        | 17:15:40                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 17:15:44                           | 17:17:02                            | 0:01:18  | SBL                                         | SBR                                                |
| White            | SUV          | 17:16:43                           | 17:17:39                            | 0:00:56  | NBR                                         | SBR                                                |
| Grey             | Sedan        | 17:16:57                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 17:16:59                           | 17:18:08                            | 0:01:09  | SBL                                         | SBR                                                |
| Grey             | Truck        | 17:17:01                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Truck        | 17:17:22                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 17:18:01                           | 17:18:55                            | 0:00:54  | SBL                                         | SBR                                                |
| Black            | SUV          | 17:18:13                           | 17:18:58                            | 0:00:45  | SBL                                         | SBR                                                |
| Brown            | Sedan        | 17:18:15                           | 17:19:02                            | 0:00:47  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 17:18:21                           | 17:19:11                            | 0:00:50  | SBL                                         | SBR                                                |
| Black            | SUV          | 17:18:45                           | 17:19:46                            | 0:01:01  | NBR                                         | SBL                                                |
| Black            | Sedan        | 17:18:57                           | 17:20:34                            | 0:01:37  | SBL                                         | SBL                                                |
| Black            | SUV          | 17:19:01                           | 17:20:38                            | 0:01:37  | SBL                                         | SBL                                                |
| White            | Sedan        | 17:19:04                           | 17:20:43                            | 0:01:39  | SBL                                         | SBL                                                |
| White            | Minivan      | 17:19:29                           | 17:20:46                            | 0:01:17  | NBR                                         | SBL                                                |
| Black            | SUV          | 17:20:25                           | 17:21:40                            | 0:01:15  | NBR                                         | SBL                                                |
| White            | Truck        | 17:21:01                           | 17:21:56                            | 0:00:55  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 17:21:05                           | 17:21:59                            | 0:00:54  | NBR                                         | SBR                                                |
| Black            | SUV          | 17:21:13                           | 17:22:02                            | 0:00:49  | SBL                                         | SBL                                                |
| White            | SUV          | 17:21:15                           | 17:22:17                            | 0:01:02  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 17:21:31                           | 17:22:26                            | 0:00:55  | NBR                                         | SBL                                                |
| Black            | Sedan        | 17:21:36                           | 17:23:01                            | 0:01:25  | SBL                                         | SBL                                                |
| Black            | Sedan        | 17:21:54                           | 17:23:13                            | 0:01:19  | SBL                                         | SBL                                                |
| Red              | SUV          | 17:21:59                           | 17:23:19                            | 0:01:20  | SBL                                         | SBL                                                |
| Black            | SUV          | 17:22:02                           | 17:23:29                            | 0:01:27  | SBL                                         | SBL                                                |
| Black            | SUV          | 17:22:45                           | 17:24:31                            | 0:01:46  | SBL                                         | SBL                                                |
| Black            | SUV          | 17:22:57                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 17:23:27                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 17:23:29                           | 17:24:38                            | 0:01:09  | SBL                                         | SBL                                                |
| White            | SUV          | 17:23:36                           | 17:24:54                            | 0:01:18  | SBL                                         | SBL                                                |
| White            | SUV          | 17:23:40                           | 17:24:59                            | 0:01:19  | SBL                                         | SBL                                                |
| Red              | Truck        | 17:23:46                           | 17:25:02                            | 0:01:16  | SBL                                         | SBR                                                |
| White            | Van          | 17:24:07                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 17:25:25                           | 17:26:14                            | 0:00:49  | SBL                                         | SBL                                                |
| Black            | SUV          | 17:25:45                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 17:25:48                           | 17:27:01                            | 0:01:13  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 17:25:52                           | 17:27:21                            | 0:01:29  | SBL                                         | SBL                                                |
| Red              | Sedan        | 17:26:01                           | 17:27:24                            | 0:01:23  | NBR                                         | SBL                                                |
| Silver           | SUV          | 17:26:09                           | 17:27:28                            | 0:01:19  | SBL                                         | SBL                                                |
| Black            | Truck        | 17:26:31                           | X                                   |          | SBL                                         | X                                                  |
| Green            | Jeep         | 17:26:43                           | X                                   |          | NBR                                         | X                                                  |
| White            | SUV          | 17:27:38                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Truck        | 17:28:02                           | 17:29:30                            | 0:01:28  | SBL                                         | SBL                                                |
| Black            | SUV          | 17:28:11                           | 17:29:37                            | 0:01:26  | SBL                                         | SBR                                                |
| Grey             | SUV          | 17:28:15                           | 17:29:45                            | 0:01:30  | NBR                                         | SBL                                                |
| Grey             | Sedan        | 17:28:17                           | 17:29:50                            | 0:01:33  | SBL                                         | SBL                                                |
| White            | SUV          | 17:28:20                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 17:28:21                           | 17:29:48                            | 0:01:27  | SBL                                         | SBR                                                |
| Red              | Van          | 17:28:24                           | X                                   |          | SBL                                         | X                                                  |
| Blue             | Sedan        | 17:28:40                           | X                                   |          | SBL                                         | X                                                  |

Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6 Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Black            | Sedan        | 17:29:20                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 17:30:02                           | X                                   |          | NBR                                         | X                                                  |
| Red              | Truck        | 17:30:31                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 17:30:33                           | 17:31:37                            | 0:01:04  | SBL                                         | SBR                                                |
| White            | SUV          | 17:30:46                           | X                                   |          | SBL                                         | X                                                  |
| Brown            | Sedan        | 17:30:48                           | 17:31:51                            | 0:01:03  | SBL                                         | SBL                                                |
| White            | Truck        | 17:30:51                           | 17:31:56                            | 0:01:05  | SBL                                         | SBL                                                |
| Black            | SUV          | 17:31:08                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | Sedan        | 17:31:19                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 17:32:31                           | 17:33:33                            | 0:01:02  | SBL                                         | SBL                                                |
| White            | SUV          | 17:35:37                           | X                                   |          | SBL                                         | X                                                  |
| Blue             | SUV          | 17:35:39                           | 17:36:32                            | 0:00:53  | SBL                                         | SBL                                                |
| White            | Truck        | 17:36:06                           | 17:37:15                            | 0:01:09  | SBL                                         | SBL                                                |
| White            | Truck        | 17:36:11                           | 17:37:55                            | 0:01:44  | SBL                                         | SBL                                                |
| Brown            | Sedan        | 17:37:21                           | 17:38:13                            | 0:00:52  | SBL                                         | SBL                                                |
| Blue             | SUV          | 17:38:09                           | 17:39:10                            | 0:01:01  | SBL                                         | SBL                                                |
| Grey             | Jeep         | 17:38:22                           | 17:39:16                            | 0:00:54  | SBL                                         | SBL                                                |
| Grey             | SUV          | 17:38:26                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 17:38:32                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | SUV          | 17:38:36                           | X                                   |          | SBL                                         | X                                                  |
| Red              | SUV          | 17:38:38                           | 17:40:04                            | 0:01:26  | SBL                                         | SBL                                                |
| White            | Sedan        | 17:38:40                           | 17:40:34                            | 0:01:54  | SBL                                         | SBL                                                |
| White            | Truck        | 17:38:42                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 17:39:00                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 17:39:42                           | 17:40:37                            | 0:00:55  | NBR                                         | SBL                                                |
| Black            | Sedan        | 17:40:20                           | 17:41:19                            | 0:00:59  | NBR                                         | SBL                                                |
| Black            | Sedan        | 17:40:24                           | 17:41:20                            | 0:00:56  | SBL                                         | SBR                                                |
| Black            | SUV          | 17:40:42                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Jeep         | 17:40:44                           | 17:41:42                            | 0:00:58  | SBL                                         | SBL                                                |
| White            | Sedan        | 17:40:57                           | 17:41:59                            | 0:01:02  | NBR                                         | SBR                                                |
| Black            | SUV          | 17:41:29                           | 17:42:23                            | 0:00:54  | NBR                                         | SBL                                                |
| Black            | Truck        | 17:42:06                           | 17:43:01                            | 0:00:55  | SBL                                         | SBL                                                |
| Black            | Sedan        | 17:43:11                           | 17:44:48                            | 0:01:37  | SBL                                         | SBL                                                |
| Black            | Sedan        | 17:43:14                           | 17:44:23                            | 0:01:09  | SBL                                         | SBR                                                |
| Black            | SUV          | 17:43:15                           | 17:44:51                            | 0:01:36  | SBL                                         | SBL                                                |
| White            | SUV          | 17:43:37                           | 17:44:41                            | 0:01:04  | SBL                                         | SBR                                                |
| Silver           | Truck        | 17:43:43                           | 17:44:56                            | 0:01:13  | SBL                                         | SBR                                                |
| Black            | Truck        | 17:43:47                           | X                                   |          | SBL                                         | X                                                  |
| Blue             | Truck        | 17:44:39                           | 17:45:47                            | 0:01:08  | SBL                                         | SBL                                                |
| Grey             | SUV          | 17:45:28                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 17:45:31                           | 17:46:34                            | 0:01:03  | SBL                                         | SBL                                                |
| Red              | SUV          | 17:45:33                           | 17:46:39                            | 0:01:06  | SBL                                         | SBL                                                |
| Black            | SUV          | 17:45:43                           | 17:46:42                            | 0:00:59  | SBL                                         | SBL                                                |
| Brown            | SUV          | 17:45:56                           | 17:46:50                            | 0:00:54  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 17:47:25                           | 17:48:44                            | 0:01:19  | NBR                                         | SBL                                                |
| Black            | SUV          | 17:47:42                           | 17:49:14                            | 0:01:32  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 17:47:58                           | 17:49:19                            | 0:01:21  | SBL                                         | SBL                                                |
| Grey             | SUV          | 17:48:01                           | 17:49:29                            | 0:01:28  | SBL                                         | SBL                                                |
| White            | Sedan        | 17:48:37                           | X                                   |          | SBL                                         | X                                                  |
| Red              | SUV          | 17:49:32                           | 17:50:23                            | 0:00:51  | NBR                                         | SBL                                                |
| White            | Sedan        | 17:49:34                           | X                                   |          | SBL                                         | X                                                  |
| White            | Truck        | 17:50:09                           | 17:51:34                            | 0:01:25  | SBL                                         | SBL                                                |
| Black            | SUV          | 17:50:21                           | 17:51:38                            | 0:01:17  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 17:50:27                           | 17:51:39                            | 0:01:12  | SBL                                         | SBR                                                |



Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Black            | Sedan        | 17:50:52                           | 17:53:00                            | 0:02:08  | SBL                                         | SBL                                                |
| Black            | SUV          | 17:51:15                           | X                                   |          | SBL                                         | X                                                  |
| Blue             | Sedan        | 17:51:19                           | 17:53:07                            | 0:01:48  | SBL                                         | SBR                                                |
| White            | SUV          | 17:51:27                           | 17:53:42                            | 0:02:15  | SBL                                         | SBL                                                |
| White            | Truck        | 17:51:44                           | 17:53:46                            | 0:02:02  | SBL                                         | SBL                                                |
| Blue             | Minivan      | 17:52:40                           | X                                   |          | SBL                                         | X                                                  |
| Yellow           | Truck        | 17:52:48                           | 17:54:22                            | 0:01:34  | NBR                                         | SBL                                                |
| Black            | Truck        | 17:52:57                           | 17:54:04                            | 0:01:07  | SBL                                         | SBR                                                |
| Red              | SUV          | 17:53:25                           | 17:54:24                            | 0:00:59  | SBL                                         | SBR                                                |
| Black            | Sedan        | 17:54:11                           | 17:55:29                            | 0:01:18  | NBR                                         | SBL                                                |
| Black            | SUV          | 17:55:58                           | 17:56:49                            | 0:00:51  | SBL                                         | SBL                                                |
| White            | Van          | 17:56:00                           | X                                   |          | SBL                                         | X                                                  |
| Red              | Sedan        | 17:56:03                           | 17:57:11                            | 0:01:08  | SBL                                         | SBL                                                |
| Black            | Sedan        | 17:56:05                           | 17:57:24                            | 0:01:19  | SBL                                         | SBR                                                |
| White            | Sedan        | 17:56:07                           | 17:57:26                            | 0:01:19  | SBL                                         | SBL                                                |
| Red              | SUV          | 17:56:09                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 17:56:10                           | 17:57:19                            | 0:01:09  | SBL                                         | SBL                                                |
| Brown            | Motorcycle   | 17:56:49                           | 17:57:52                            | 0:01:03  | NBR                                         | SBL                                                |
| Red              | SUV          | 17:57:32                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | SUV          | 17:57:38                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | SUV          | 17:57:51                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 17:58:02                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 17:58:25                           | 17:59:30                            | 0:01:05  | SBL                                         | SBL                                                |
| Black            | SUV          | 17:59:10                           | X                                   |          | NBR                                         | X                                                  |
| Black            | Sedan        | 17:59:29                           | 18:01:00                            | 0:01:31  | SBL                                         | SBL                                                |
| Black            | SUV          | 18:00:34                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 18:00:59                           | 18:01:56                            | 0:00:57  | SBL                                         | SBL                                                |
| Grey             | SUV          | 18:01:11                           | 18:02:08                            | 0:00:57  | SBL                                         | SBL                                                |
| Black            | SUV          | 18:01:22                           | 18:02:26                            | 0:01:04  | SBL                                         | SBL                                                |
| White            | Sedan        | 18:01:28                           | 18:02:29                            | 0:01:01  | NBR                                         | SBR                                                |
| Grey             | SUV          | 18:01:57                           | 18:02:41                            | 0:00:44  | NBR                                         | SBL                                                |
| Grey             | Truck        | 18:03:03                           | 18:03:56                            | 0:00:53  | SBL                                         | SBL                                                |
| Black            | SUV          | 18:03:17                           | 18:04:10                            | 0:00:53  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 18:03:20                           | 18:04:16                            | 0:00:56  | SBL                                         | SBR                                                |
| Black            | Truck        | 18:03:23                           | 18:04:16                            | 0:00:53  | SBL                                         | SBL                                                |
| Silver           | SUV          | 18:04:06                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 18:04:32                           | 18:05:20                            | 0:00:48  | NBR                                         | SBR                                                |
| Grey             | SUV          | 18:04:39                           | 18:05:34                            | 0:00:55  | SBL                                         | SBR                                                |
| White            | SUV          | 18:05:03                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 18:05:05                           | X                                   |          | NBR                                         | X                                                  |
| Black            | Sedan        | 18:05:27                           | 18:06:26                            | 0:00:59  | SBL                                         | SBL                                                |
| Black            | Sedan        | 18:05:31                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | Sedan        | 18:05:37                           | 18:06:32                            | 0:00:55  | SBL                                         | SBL                                                |
| Maroon           | SUV          | 18:05:39                           | 18:06:33                            | 0:00:54  | SBL                                         | SBR                                                |
| Black            | SUV          | 18:05:55                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | SUV          | 18:06:21                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | Sedan        | 18:06:24                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 18:06:27                           | 18:07:47                            | 0:01:20  | SBL                                         | SBL                                                |
| Red              | Truck        | 18:07:22                           | 18:08:31                            | 0:01:09  | NBR                                         | SBR                                                |
| White            | SUV          | 18:07:38                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Sedan        | 18:07:55                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 18:07:57                           | 18:08:58                            | 0:01:01  | SBL                                         | SBL                                                |
| Silver           | SUV          | 18:08:34                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 18:08:49                           | 18:10:10                            | 0:01:21  | SBL                                         | SBL                                                |

Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Maroon           | SUV          | 18:08:51                           | 18:09:45                            | 0:00:54  | SBL                                         | SBR                                                |
| Black            | SUV          | 18:09:04                           | X                                   |          | SBL                                         | X                                                  |
| White            | Truck        | 18:09:07                           | 18:10:28                            | 0:01:21  | SBL                                         | SBL                                                |
| Grey             | SUV          | 18:09:30                           | 18:10:24                            | 0:00:54  | SBL                                         | SBR                                                |
| White            | SUV          | 18:10:41                           | X                                   |          | NBR                                         | X                                                  |
| Red              | Truck        | 18:11:06                           | 18:12:14                            | 0:01:08  | SBL                                         | SBL                                                |
| Grey             | SUV          | 18:11:08                           | 18:12:21                            | 0:01:13  | SBL                                         | SBL                                                |
| Black            | Sedan        | 18:12:42                           | 18:13:30                            | 0:00:48  | SBL                                         | SBL                                                |
| White            | Sedan        | 18:12:45                           | 18:13:50                            | 0:01:05  | SBL                                         | SBL                                                |
| Black            | Sedan        | 18:12:46                           | 18:13:55                            | 0:01:09  | SBL                                         | SBL                                                |
| Black            | SUV          | 18:12:50                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 18:13:01                           | X                                   |          | NBR                                         | X                                                  |
| Black            | Sedan        | 18:13:31                           | 18:14:47                            | 0:01:16  | SBL                                         | SBL                                                |
| Silver           | SUV          | 18:15:24                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 18:15:25                           | 18:16:39                            | 0:01:14  | SBL                                         | SBL                                                |
| Black            | SUV          | 18:15:33                           | 18:16:42                            | 0:01:09  | SBL                                         | SBR                                                |
| Red              | Sedan        | 18:15:35                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | Sedan        | 18:15:43                           | 18:16:47                            | 0:01:04  | NBR                                         | SBL                                                |
| White            | Sedan        | 18:15:51                           | 18:17:03                            | 0:01:12  | SBL                                         | SBL                                                |
| Black            | SUV          | 18:15:54                           | 18:17:11                            | 0:01:17  | SBL                                         | SBL                                                |
| Black            | Truck        | 18:17:11                           | 18:18:49                            | 0:01:38  | SBL                                         | SBL                                                |
| White            | Sedan        | 18:17:27                           | 18:18:39                            | 0:01:12  | SBL                                         | SBL                                                |
| White            | Sedan        | 18:17:53                           | 18:19:08                            | 0:01:15  | NBR                                         | SBL                                                |
| Black            | SUV          | 18:18:01                           | 18:19:04                            | 0:01:03  | NBR                                         | SBR                                                |
| Grey             | SUV          | 18:18:10                           | X                                   |          | NBR                                         | X                                                  |
| White            | Sedan        | 18:18:33                           | 18:19:25                            | 0:00:52  | SBL                                         | SBL                                                |
| Grey             | SUV          | 18:18:37                           | 18:19:43                            | 0:01:06  | SBL                                         | SBL                                                |
| White            | Truck        | 18:18:43                           | 18:19:46                            | 0:01:03  | SBL                                         | SBR                                                |
| Silver           | Sedan        | 18:19:23                           | 18:20:14                            | 0:00:51  | SBL                                         | SBR                                                |
| Grey             | SUV          | 18:20:08                           | 18:21:20                            | 0:01:12  | SBL                                         | SBL                                                |
| Grey             | SUV          | 18:20:13                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 18:20:20                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | SUV          | 18:20:23                           | 18:21:29                            | 0:01:06  | SBL                                         | SBR                                                |
| White            | Truck        | 18:22:04                           | 18:22:56                            | 0:00:52  | NBR                                         | SBR                                                |
| Black            | Truck        | 18:22:42                           | 18:23:41                            | 0:00:59  | SBL                                         | SBL                                                |
| Black            | SUV          | 18:22:50                           | 18:23:41                            | 0:00:51  | SBL                                         | SBR                                                |
| Blue             | Sedan        | 18:22:52                           | 18:23:51                            | 0:00:59  | SBL                                         | SBL                                                |
| Blue             | Sedan        | 18:22:53                           | 18:23:49                            | 0:00:56  | SBL                                         | SBR                                                |
| Black            | Sedan        | 18:23:11                           | 18:24:06                            | 0:00:55  | NBR                                         | SBR                                                |
| White            | SUV          | 18:23:26                           | 18:24:28                            | 0:01:02  | SBL                                         | SBR                                                |
| Silver           | SUV          | 18:23:29                           | 18:24:38                            | 0:01:09  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 18:24:07                           | 18:25:43                            | 0:01:36  | SBL                                         | SBL                                                |
| Black            | Sedan        | 18:24:09                           | 18:25:49                            | 0:01:40  | SBL                                         | SBL                                                |
| Grey             | SUV          | 18:24:11                           | 18:25:54                            | 0:01:43  | SBL                                         | SBL                                                |
| Maroon           | Truck        | 18:24:19                           | 18:26:15                            | 0:01:56  | SBL                                         | SBL                                                |
| Grey             | SUV          | 18:24:38                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | Truck        | 18:25:00                           | 18:26:19                            | 0:01:19  | SBL                                         | SBL                                                |
| White            | SUV          | 18:25:04                           | 18:26:24                            | 0:01:20  | SBL                                         | SBL                                                |
| Black            | Sedan        | 18:25:15                           | 18:26:35                            | 0:01:20  | SBL                                         | SBR                                                |
| Black            | SUV          | 18:25:25                           | 18:26:43                            | 0:01:18  | SBL                                         | SBR                                                |
| Grey             | Sedan        | 18:25:48                           | 18:26:48                            | 0:01:00  | NBR                                         | SBR                                                |
| Grey             | SUV          | 18:28:29                           | 18:29:15                            | 0:00:46  | SBL                                         | SBL                                                |
| Grey             | SUV          | 18:30:10                           | 18:31:02                            | 0:00:52  | SBL                                         | SBL                                                |
| Black            | Sedan        | 18:30:15                           | 18:31:18                            | 0:01:03  | NBR                                         | SBL                                                |

Southbound - Starting from Larkin Ave & Knapp Dr

Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Black            | Sedan        | 18:30:45                           | 18:31:35                            | 0:00:50  | SBL                                         | SBL                                                |
| White            | Sedan        | 18:30:47                           | 18:31:40                            | 0:00:53  | SBL                                         | SBR                                                |
| Silver           | Sedan        | 18:30:59                           | 18:31:57                            | 0:00:58  | SBL                                         | SBL                                                |
| Black            | SUV          | 18:31:01                           | 18:32:00                            | 0:00:59  | SBL                                         | SBL                                                |
| Black            | Sedan        | 18:31:03                           | 18:32:04                            | 0:01:01  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 18:31:10                           | X                                   |          | NBR                                         | X                                                  |
| Silver           | SUV          | 18:31:15                           | 18:32:51                            | 0:01:36  | SBL                                         | SBL                                                |
| Black            | Truck        | 18:31:18                           | 18:33:49                            | 0:02:31  | SBL                                         | SBL                                                |
| Grey             | SUV          | 18:32:20                           | 18:33:51                            | 0:01:31  | SBL                                         | SBL                                                |
| Grey             | SUV          | 18:33:01                           | 18:34:04                            | 0:01:03  | SBL                                         | SBR                                                |
| Black            | SUV          | 18:33:13                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 18:33:33                           | 18:34:28                            | 0:00:55  | SBL                                         | SBL                                                |
| White            | Sedan        | 18:33:48                           | 18:34:38                            | 0:00:50  | SBL                                         | SBL                                                |
| Red              | SUV          | 18:34:55                           | X                                   |          | NBR                                         | X                                                  |
| Black            | Sedan        | 18:35:04                           | 18:36:12                            | 0:01:08  | NBR                                         | SBL                                                |
| Gold             | Sedan        | 18:35:08                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | SUV          | 18:35:25                           | X                                   |          | SBL                                         | X                                                  |
| Silver           | SUV          | 18:35:44                           | 18:36:38                            | 0:00:54  | SBL                                         | SBL                                                |
| Silver           | SUV          | 18:36:04                           | 18:37:12                            | 0:01:08  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 18:37:38                           | 18:38:45                            | 0:01:07  | SBL                                         | SBL                                                |
| Silver           | Sedan        | 18:37:45                           | 18:38:46                            | 0:01:01  | SBL                                         | SBR                                                |
| Silver           | Truck        | 18:37:46                           | 18:38:47                            | 0:01:01  | SBL                                         | SBL                                                |
| Black            | SUV          | 18:37:48                           | 18:38:56                            | 0:01:08  | SBL                                         | SBL                                                |
| Red              | SUV          | 18:37:59                           | 18:38:57                            | 0:00:58  | SBL                                         | SBR                                                |
| Grey             | Truck        | 18:38:01                           | 18:39:00                            | 0:00:59  | SBL                                         | SBL                                                |
| Grey             | SUV          | 18:38:22                           | 18:39:32                            | 0:01:10  | SBL                                         | SBL                                                |
| Black            | Sedan        | 18:38:45                           | 18:40:07                            | 0:01:22  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 18:38:54                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 18:40:28                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 18:41:24                           | 18:42:55                            | 0:01:31  | SBL                                         | SBL                                                |
| White            | SUV          | 18:41:37                           | 18:43:04                            | 0:01:27  | SBL                                         | SBL                                                |
| White            | Truck        | 18:41:40                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 18:42:01                           | 18:43:03                            | 0:01:02  | SBL                                         | SBR                                                |
| Grey             | SUV          | 18:43:07                           | 18:44:06                            | 0:00:59  | SBL                                         | SBL                                                |
| Red              | SUV          | 18:43:09                           | 18:44:26                            | 0:01:17  | SBL                                         | SBL                                                |
| Red              | Sedan        | 18:43:15                           | X                                   |          | SBL                                         | X                                                  |
| Grey             | Sedan        | 18:43:38                           | 18:44:31                            | 0:00:53  | SBL                                         | SBL                                                |
| Red              | SUV          | 18:43:40                           | 18:44:31                            | 0:00:51  | SBL                                         | SBR                                                |
| White            | Sedan        | 18:43:43                           | 18:45:00                            | 0:01:17  | SBL                                         | SBR                                                |
| White            | Sedan        | 18:44:10                           | X                                   |          | SBL                                         | X                                                  |
| Black            | Truck        | 18:45:28                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 18:45:31                           | 18:46:44                            | 0:01:13  | SBL                                         | SBL                                                |
| Black            | SUV          | 18:45:49                           | X                                   |          | SBL                                         | X                                                  |
| White            | Truck        | 18:45:51                           | 18:47:13                            | 0:01:22  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 18:46:12                           | X                                   |          | NBR                                         | X                                                  |
| Grey             | Sedan        | 18:47:26                           | 18:48:22                            | 0:00:56  | SBL                                         | SBL                                                |
| Black            | SUV          | 18:47:48                           | 18:48:45                            | 0:00:57  | SBL                                         | SBL                                                |
| Red              | SUV          | 18:47:59                           | 18:48:49                            | 0:00:50  | SBL                                         | SBR                                                |
| Grey             | SUV          | 18:48:10                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 18:48:15                           | 18:49:45                            | 0:01:30  | NBR                                         | SBL                                                |
| Black            | Jeep         | 18:48:19                           | 18:49:42                            | 0:01:23  | SBL                                         | SBR                                                |
| Red              | Truck        | 18:48:22                           | 18:49:49                            | 0:01:27  | SBL                                         | SBL                                                |
| Grey             | Sedan        | 18:48:24                           | 18:49:53                            | 0:01:29  | SBL                                         | SBL                                                |
| White            | SUV          | 18:48:29                           | 18:50:01                            | 0:01:32  | SBL                                         | SBL                                                |



Southbound – Starting from Larkin Ave & Knapp Dr  
Cam 5 & 6      Cam 1 & Cam 2

| Color of Vehicle | Vehicle Type | Timestamp at Larkin Ave & Knapp Dr | Timestamp at Knapp Dr & Theodore St | Duration | Larkin Ave & Knapp Dr Movement (NBR or SBL) | Knapp Dr & Theodore St Movement (SBR, SBT, or SBL) |
|------------------|--------------|------------------------------------|-------------------------------------|----------|---------------------------------------------|----------------------------------------------------|
| Black            | Sedan        | 18:48:46                           | X                                   |          | NBR                                         | X                                                  |
| Black            | SUV          | 18:49:44                           | X                                   |          | SBL                                         | X                                                  |
| White            | Sedan        | 18:49:51                           | 18:50:48                            | 0:00:57  | SBL                                         | SBL                                                |
| Grey             | SUV          | 18:50:57                           | 18:51:54                            | 0:00:57  | SBL                                         | SBL                                                |
| Silver           | SUV          | 18:51:38                           | 18:52:46                            | 0:01:08  | NBR                                         | SBL                                                |
| White            | Sedan        | 18:53:00                           | 18:53:53                            | 0:00:53  | NBR                                         | SBL                                                |
| Grey             | SUV          | 18:53:21                           | 18:54:19                            | 0:00:58  | NBR                                         | SBL                                                |
| Grey             | Truck        | 18:53:23                           | 18:54:58                            | 0:01:35  | SBL                                         | SBL                                                |
| Red              | Sedan        | 18:53:25                           | X                                   |          | SBL                                         | X                                                  |
| White            | SUV          | 18:53:27                           | 18:55:01                            | 0:01:34  | SBL                                         | SBL                                                |
| Red              | Sedan        | 18:53:30                           | X                                   |          | SBL                                         | X                                                  |
| Black            | SUV          | 18:53:32                           | X                                   |          | SBL                                         | X                                                  |
| Blue             | Sedan        | 18:54:03                           | X                                   |          | NBR                                         | X                                                  |
| White            | Sedan        | 18:54:49                           | 18:56:56                            | 0:02:07  | SBL                                         | SBL                                                |
| Black            | SUV          | 18:56:01                           | 18:57:15                            | 0:01:14  | SBL                                         | SBL                                                |
| Grey             | SUV          | 18:56:16                           | 18:57:29                            | 0:01:13  | SBL                                         | SBL                                                |
| Orange           | Sedan        | 18:57:36                           | 18:58:33                            | 0:00:57  | SBL                                         | SBR                                                |
| White            | SUV          | 18:57:41                           | 18:58:35                            | 0:00:54  | SBL                                         | SBR                                                |
| Black            | Sedan        | 18:58:30                           | X                                   |          | NBR                                         | X                                                  |
| White            | SUV          | 18:58:59                           | 3rd of the survey                   |          | SBL                                         | 3rd of the survey                                  |
| Grey             | Sedan        | 18:59:08                           | 3rd of the survey                   |          | NBR                                         | 3rd of the survey                                  |

**Appendix 4**  
**(Origin-Destination Hourly Summary)**



**CHRISTOPHER B. BURKE** ENGINEERING, LTD.

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# Larkin & Theodore - Crest Hill, IL Origin-Destination Study

Date: 6/25/2025



| Origin & Destination<br>Northbound |                  | From: Knapp Dr & Theodore St<br>To: Larkin Ave & Knapp Dr |             |                          |                           |                                     |                                |                                      |
|------------------------------------|------------------|-----------------------------------------------------------|-------------|--------------------------|---------------------------|-------------------------------------|--------------------------------|--------------------------------------|
| Time                               | Origin<br>Volume | Destination<br>Volume                                     | Matches     | Median<br>Travel<br>Time | Average<br>Travel<br>Time | Percent of<br>Destination<br>Volume | Percent of<br>Origin<br>Volume | Weighted<br>Avg %<br>Destinatio<br>n |
| <b>7:00 AM -<br/>7:00 PM</b>       | <b>1720</b>      | <b>1675</b>                                               | <b>1252</b> | <b>0:58</b>              | <b>1:01</b>               | <b>74.75%</b>                       | <b>72.79%</b>                  |                                      |
| 7:00 AM                            | 152              | 140                                                       | 125         | 0:56                     | 1:00                      | 89.29%                              | 82.2%                          | <b>86%</b>                           |
| 7:30 to 8:30                       | 158              | 143                                                       | 130         | 0:57                     | 1:00                      | 90.91%                              | 82.3%                          |                                      |
| 8:00 AM                            | 140              | 126                                                       | 110         | 0:59                     | 1:00                      | 87.30%                              | 78.6%                          |                                      |
| 9:00 AM                            | 144              | 106                                                       | 82          | 0:58                     | 0:59                      | 77.36%                              | 56.9%                          |                                      |
| 10:00 AM                           | 150              | 146                                                       | 69          | 0:59                     | 1:01                      | 47.26%                              | 46.0%                          | <b>74%</b>                           |
| 11:00 AM                           | 107              | 108                                                       | 98          | 1:03                     | 1:05                      | 90.74%                              | 91.6%                          |                                      |
| 12:00 PM                           | 157              | 161                                                       | 109         | 0:59                     | 1:03                      | 67.70%                              | 69.4%                          |                                      |
| 1:00 PM                            | 182              | 162                                                       | 118         | 0:59                     | 1:02                      | 72.84%                              | 64.8%                          |                                      |
| 2:00 PM                            | 140              | 150                                                       | 113         | 1:01                     | 1:02                      | 75.33%                              | 80.7%                          |                                      |
| 3:00 PM                            | 168              | 169                                                       | 133         | 0:57                     | 1:00                      | 78.7%                               | 79.2%                          | <b>73%</b>                           |
| 3:30 to 4:30                       | 154              | 163                                                       | 121         | 0:58                     | 1:01                      | 74.2%                               | 78.6%                          |                                      |
| 4:00 PM                            | 143              | 152                                                       | 102         | 0:57                     | 0:59                      | 67.11%                              | 71.3%                          |                                      |
| 5:00 PM                            | 119              | 131                                                       | 97          | 0:54                     | 0:58                      | 74.05%                              | 81.5%                          |                                      |
| 6:00 PM                            | 118              | 124                                                       | 96          | 0:58                     | 1:00                      | 77.42%                              | 81.4%                          |                                      |

| Origin & Destination<br>Southbound |                  | From: Knapp Dr & Theodore St<br>To: Larkin Ave & Knapp Dr |             |                          |                           |                                     |                                |                                      |
|------------------------------------|------------------|-----------------------------------------------------------|-------------|--------------------------|---------------------------|-------------------------------------|--------------------------------|--------------------------------------|
| Time                               | Origin<br>Volume | Destination<br>Volume                                     | Matches     | Median<br>Travel<br>Time | Average<br>Travel<br>Time | Percent of<br>Destination<br>Volume | Percent of<br>Origin<br>Volume | Weighted<br>Avg %<br>Destinatio<br>n |
| <b>7:00 AM -<br/>7:00 PM</b>       | <b>1695</b>      | <b>1745</b>                                               | <b>1095</b> | <b>1:09</b>              | <b>1:16</b>               | <b>62.75%</b>                       | <b>64.60%</b>                  |                                      |
| 7:00 AM                            | 75               | 78                                                        | 58          | 1:00                     | 1:01                      | 74.4%                               | 77.3%                          | <b>70%</b>                           |
| 7:30 to 8:30                       | 89               | 88                                                        | 71          | 0:59                     | 1:00                      | 80.7%                               | 79.8%                          |                                      |
| 8:00 AM                            | 86               | 87                                                        | 68          | 1:04                     | 1:07                      | 78.2%                               | 79.1%                          |                                      |
| 9:00 AM                            | 108              | 91                                                        | 48          | 1:06                     | 1:12                      | 52.7%                               | 44.4%                          |                                      |
| 10:00 AM                           | 147              | 150                                                       | 62          | 1:04                     | 1:08                      | 41.3%                               | 42.2%                          | <b>60%</b>                           |
| 11:00 AM                           | 90               | 101                                                       | 72          | 1:08                     | 1:11                      | 71.3%                               | 80.0%                          |                                      |
| 12:00 PM                           | 115              | 143                                                       | 62          | 1:11                     | 1:16                      | 43.4%                               | 53.9%                          |                                      |
| 1:00 PM                            | 171              | 164                                                       | 94          | 1:08                     | 1:12                      | 57.3%                               | 55.0%                          |                                      |
| 2:00 PM                            | 160              | 175                                                       | 112         | 1:17                     | 1:25                      | 64.0%                               | 70.0%                          |                                      |
| 3:00 PM                            | 187              | 184                                                       | 125         | 1:15                     | 1:21                      | 67.9%                               | 66.8%                          | <b>69%</b>                           |
| 3:30 to 4:30                       | 232              | 212                                                       | 150         | 1:21                     | 1:24                      | 70.8%                               | 64.7%                          |                                      |
| 4:00 PM                            | 222              | 220                                                       | 149         | 1:22                     | 1:27                      | 67.7%                               | 67.1%                          |                                      |
| 5:00 PM                            | 176              | 193                                                       | 130         | 1:13                     | 1:19                      | 67.4%                               | 73.9%                          |                                      |
| 6:00 PM                            | 158              | 159                                                       | 115         | 1:03                     | 1:08                      | 72.3%                               | 72.8%                          |                                      |



**Appendix 5  
(Warrant Analysis)**



**CHRISTOPHER B. BURKE** ENGINEERING, LTD.

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## TEAPAC[Ver 9.50.02] - Warrant Analysis for Multi-way Stop

### Warrant A Analysis - Crash Experience

Number of correctable accidents (must be 5 or more per year) 1

> WARRANT A IS NOT MET <<

### Warrant B Analysis - Sight Distance

Non-adequate sight distance for vehicle to turn NOT MET

>> WARRANT B IS NOT MET <<

### Warrant C Analysis - Interim Measure for Signal

If signal warrants are met, a temporary multi-way stop is allowed

> WARRANT C IS NOT MET <<

### Warrant D Analysis - 8-Hour Vehicular Volume

| Start Time   | 1130 | 1030 | 1530 | 1230 | 1330 | 1630 | 1430 | 1730 | Req. |
|--------------|------|------|------|------|------|------|------|------|------|
| Minor Volume | 187  | 151  | 144  | 140  | 139  | 139  | 135  | 122  | 200  |
| Major Volume | 478  | 433  | 515  | 508  | 455  | 465  | 509  | 437  | 300  |
| Warrant Met? | No   | No   | No   | No   | No   | No   | No   | No   | 8    |

Average minor volume for 8 highest minor hours 145

Average major volume for 8 highest minor hours 475

Delay for all minor approaches (must be at least 30 sec/veh) 26

> WARRANT D IS NOT MET <<

### Warrant E Analysis - Other Factors

Control left-turn conflicts NOT MET

Intersection of two collector streets NOT MET

Pedestrian/Bicyclist volume NOT MET

> WARRANT E IS NOT MET <<

### Summary of MUTCD Multi-way Stop Warrant Analysis

|                                      |         |
|--------------------------------------|---------|
| Warrant A Crash Experience           | NOT MET |
| Warrant B Sight Distance             | NOT MET |
| Warrant C Interim Measure for Signal | NOT MET |
| Warrant D 8-Hour Vehicular Volume    | NOT MET |
| Warrant E Other Factors              | NOT MET |

>> Multi-way Stop Warrant is NOT MET <<

**Appendix 6  
(Crash Data)**



**CHRISTOPHER B. BURKE** ENGINEERING, LTD.

9575 W Higgins Road, Suite 600 Rosemont, Illinois 60018-4920 Tel (847) 823-0500 Fax (847) 823-0520



Project:

Knapp Dr (Larkin Ave to Theodore St)

Town:

Crest Hill

County:

Will

| YEAR  | Rear End    |                |                  | Angle       |             |              | SSSD        |             |              | SSOD        |             |              | Turning     |                |                  | Fixed Object |             |              | Over-turned |             |              | Head On     |             |              | Pedestrian  |             |              | Other Object |             |              | TOTAL                      |                             |
|-------|-------------|----------------|------------------|-------------|-------------|--------------|-------------|-------------|--------------|-------------|-------------|--------------|-------------|----------------|------------------|--------------|-------------|--------------|-------------|-------------|--------------|-------------|-------------|--------------|-------------|-------------|--------------|--------------|-------------|--------------|----------------------------|-----------------------------|
|       | Crash Count | Injury Type    | Injury Count     | Crash Count | Injury Type | Injury Count | Crash Count | Injury Type | Injury Count | Crash Count | Injury Type | Injury Count | Crash Count | Injury Type    | Injury Count     | Crash Count  | Injury Type | Injury Count | Crash Count | Injury Type | Injury Count | Crash Count | Injury Type | Injury Count | Crash Count | Injury Type | Injury Count | Crash Count  | Injury Type | Injury Count | Crash Count                | Injury Count                |
| 2020  | 2           |                |                  |             |             |              | 3           |             |              | 1           |             |              | 5           |                |                  | 1            | 1 - B       | 1 - BI       |             |             |              |             |             |              |             |             |              |              |             | 12           | 1 - BI                     |                             |
| 2021  | 7           | 2 - C          | 4 - CI           | 1           |             |              | 5           |             |              | 1           |             |              | 5           | 1 - B          | 1 - BI           | 3            |             |              |             |             | 1            | 1 - B       | 1 - BI      | 1            | 1 - K       | 1 - KI      | 1            | 1 - B        | 2 - BI      | 25           | 1 - KI<br>4 - BI<br>4 - CI |                             |
| 2022  | 4           | 1 - C          | 1 - CI           |             |             |              |             |             |              |             |             |              | 7           | 1 - B<br>1 - C | 1 - BI<br>1 - CI | 4            | 1 - B       | 1 - BI       |             |             |              |             |             |              |             |             |              |              |             | 15           | 2 - BI<br>2 - CI           |                             |
| 2023  | 9           | 2 - B          | 3 - BI           |             |             |              | 1           |             |              |             |             |              | 2           | 1 - C          | 1 - CI           | 1            | 1 - B       | 1 - BI       |             |             |              |             |             |              |             |             |              |              |             | 13           | 4 - BI<br>1 - CI           |                             |
| 2024  | 3           |                |                  |             |             |              | 2           |             |              |             |             |              | 8           | 2 - B<br>1 - C | 4 - BI<br>1 - CI |              |             |              | 1           |             |              |             |             |              |             |             |              |              |             | 14           | 4 - BI<br>1 - CI           |                             |
| TOTAL | 25          | 2 - B<br>3 - C | 3 - BI<br>5 - CI | 1           |             |              | 11          |             |              | 2           |             |              | 27          | 4 - B<br>3 - C | 6 - BI<br>3 - CI | 9            | 3 - B       | 3 - BI       | 1           |             |              | 1           | 1 - B       | 1 - BI       | 1           | 1 - K       | 1 - KI       | 1            | 1 - B       | 2 - BI       | 79                         | 1 - KI<br>15 - BI<br>8 - CI |
| %     | 31.6%       |                |                  | 1.3%        |             |              | 13.9%       |             |              | 2.5%        |             |              | 34.2%       |                |                  | 11.4%        |             |              | 1.3%        |             |              | 1.3%        |             |              | 1.3%        |             |              | 1.3%         |             |              |                            |                             |

| YEAR  | INJURY TYPE |   |    |   |     | CRASH CONDITIONS |       |          |            |       |         | TOTAL |
|-------|-------------|---|----|---|-----|------------------|-------|----------|------------|-------|---------|-------|
|       | K           | A | B  | C | PDO | Wet              | Wet % | Snow/Ice | Snow/Ice % | Night | Night % |       |
| 2020  |             |   | 1  |   | 11  |                  |       | 1        | 8%         | 3     | 25%     | 12    |
| 2021  | 1           |   | 3  | 2 | 19  | 8                | 32%   | 2        | 8%         | 6     | 24%     | 25    |
| 2022  |             |   | 2  | 2 | 11  | 4                | 27%   | 2        | 13%        | 3     | 20%     | 15    |
| 2023  |             |   | 3  | 1 | 9   | 4                | 31%   | 1        | 8%         | 3     | 23%     | 13    |
| 2024  |             |   | 2  | 1 | 11  | 2                | 14%   | 2        | 14%        | 3     | 21%     | 14    |
| TOTAL | 1           |   | 11 | 6 | 61  | 18               | 22.8% | 8        | 10.1%      | 18    | 22.8%   | 79    |

\* Note that the law regarding the crash reporting threshold for Property Damage Only crashes was amended effective January 1, 2009, to the following: When all drivers involved in a crash are insured, the amount of damage to the property of any one person that must be reported increased from \$500 to \$1,500. If any driver does not have insurance, the threshold remains at \$500. (This change in law precludes comparison of 2009 and later Property Damage Only crashes and Total crashes with such crashes for previous years. The change did NOT affect the reporting of injury or fatal crashes.)

## Crash Data Knapp Dr and IL Route 7 (Theodore St)

| CASE_ID      | OBJECTID | ROUTE | MILE | YEAR | MONTH | DAY | HOUR | DAY_O_WEEK | NUM_VEH | INJURIES | FATALITIES |
|--------------|----------|-------|------|------|-------|-----|------|------------|---------|----------|------------|
| 202301030768 | 7927     |       | 0.00 | 23   | 01    | 26  | 07   | Thu        | 2       | 1        | 0          |
| 202201024581 | 10285    |       | 0.00 | 22   | 01    | 18  | 15   | Tue        | 2       | 0        | 0          |
| 202201095454 | 58841    | IL007 | 4.05 | 22   | 03    | 22  | 21   | Tue        | 2       | 0        | 0          |
| 202201096507 | 60825    |       | 0.00 | 22   | 03    | 11  | 00   | Fri        | 1       | 0        | 0          |
| 202201144594 | 92580    |       | 0.00 | 22   | 05    | 09  | 13   | Mon        | 2       | 0        | 0          |
| 202201189805 | 124916   |       | 0.00 | 22   | 06    | 16  | 05   | Thu        | 2       | 1        | 0          |
| 202201236434 | 158361   | IL007 | 4.05 | 22   | 07    | 26  | 01   | Tue        | 1       | 0        | 0          |
| 202201262748 | 175020   |       | 0.00 | 22   | 08    | 19  | 08   | Fri        | 2       | 1        | 0          |
| 202201338960 | 226827   |       | 0.00 | 22   | 10    | 21  | 13   | Fri        | 2       | 0        | 0          |
| 202201399647 | 269327   |       | 0.00 | 22   | 12    | 09  | 03   | Fri        | 2       | 0        | 0          |
| 202001126701 | 79179    |       | 0.00 | 20   | 05    | 24  | 08   | Sun        | 2       | 0        | 0          |
| 202001126733 | 79333    |       | 0.00 | 20   | 05    | 24  | 14   | Sun        | 2       | 0        | 0          |
| 202001189443 | 121382   |       | 0.00 | 20   | 07    | 28  | 06   | Tue        | 2       | 0        | 0          |
| 202001193281 | 122895   |       | 0.00 | 20   | 08    | 01  | 12   | Sat        | 2       | 0        | 0          |
| 202001208378 | 135290   |       | 0.00 | 20   | 08    | 16  | 09   | Sun        | 2       | 0        | 0          |
| 202001214132 | 139759   |       | 0.00 | 20   | 08    | 21  | 15   | Fri        | 2       | 0        | 0          |
| 202001352036 | 232712   |       | 0.00 | 20   | 12    | 29  | 15   | Tue        | 2       | 0        | 0          |
| 202101018870 | 4838     |       | 0.00 | 21   | 01    | 14  | 18   | Thu        | 2       | 0        | 0          |
| 202101020939 | 7544     |       | 0.00 | 21   | 01    | 17  | 15   | Sun        | 2       | 0        | 0          |
| 202101026561 | 11319    |       | 0.00 | 21   | 01    | 24  | 02   | Sun        | 2       | 0        | 0          |
| 202101048186 | 27251    |       | 0.00 | 21   | 02    | 13  | 10   | Sat        | 4       | 0        | 0          |
| 202101091155 | 57407    |       | 0.00 | 21   | 03    | 29  | 17   | Mon        | 2       | 0        | 0          |
| 202101119290 | 79359    |       | 0.00 | 21   | 04    | 25  | 02   | Sun        | 2       | 0        | 0          |
| 202101336950 | 225401   |       | 0.00 | 21   | 10    | 24  | 13   | Sun        | 2       | 0        | 0          |
| 202101344082 | 230768   |       | 0.00 | 21   | 10    | 28  | 15   | Thu        | 2       | 0        | 0          |
| 202101344088 | 230772   |       | 0.00 | 21   | 10    | 28  | 15   | Thu        | 2       | 0        | 0          |
| 202101398759 | 268262   |       | 0.00 | 21   | 12    | 10  | 13   | Fri        | 2       | 1        | 0          |
| 202401369871 | 0 TS71   |       | 0.31 | 24   | 11    | 12  | 15   | Tue        | 2       | 0        | 0          |
| 202401416384 | 0 TS71   |       | 0.31 | 24   | 12    | 19  | 17   | Thu        | 2       | 0        | 0          |
| 202401080209 | 0 TS71   |       | 0.31 | 24   | 03    | 11  | 15   | Mon        | 2       | 1        | 0          |
| 202401112194 | 0 TS71   |       | 0.31 | 24   | 04    | 12  | 20   | Fri        | 2       | 0        | 0          |
| 202401248828 | 0 TS71   |       | 0.31 | 24   | 08    | 06  | 20   | Tue        | 2       | 0        | 0          |
| 202401276080 | 0 TS71   |       | 0.31 | 24   | 08    | 28  | 17   | Wed        | 2       | 1        | 0          |
| 202401284075 | 0 TS71   |       | 0.31 | 24   | 09    | 04  | 14   | Wed        | 2       | 0        | 0          |

## Crash Data Knapp Dr and IL Route 7 (Theodore St)

| CASE_ID      | COLL_TYPE                    | WEATHER         | LIGHTING               | SURF_COND     | RD_DEFECT  | RD_FEATURE     |
|--------------|------------------------------|-----------------|------------------------|---------------|------------|----------------|
| 202301030768 | Turning                      | Snow            | Daylight               | Snow or Slush | No Defects | Not Applicable |
| 202201024581 | Turning                      | Clear           | Daylight               | Dry           |            | Not Applicable |
| 202201095454 | Turning                      | Rain            | Darkness, Lighted Road | Wet           | No Defects | Not Applicable |
| 202201096507 | Fixed Object                 | Snow            | Darkness, Lighted Road | Snow or Slush | No Defects | Not Applicable |
| 202201144594 | Turning                      | Clear           | Daylight               | Dry           |            | Not Applicable |
| 202201189805 | Turning                      | Clear           | Daylight               | Dry           | No Defects | Not Applicable |
| 202201236434 | Fixed Object                 | Clear           | Darkness, Lighted Road | Dry           | No Defects | Not Applicable |
| 202201262748 | Turning                      | Clear           | Daylight               | Dry           |            | Not Applicable |
| 202201338960 | Turning                      | Clear           | Daylight               | Dry           | No Defects | Not Applicable |
| 202201399647 | Turning                      | Cloudy/Overcast | Daylight               | Wet           | No Defects | Not Applicable |
| 202001126701 | Turning                      | Clear           | Daylight               | Dry           | No Defects | Not Applicable |
| 202001126733 | Turning                      | Clear           | Daylight               | Dry           | No Defects | Not Applicable |
| 202001189443 | Sideswipe Same Direction     | Clear           | Daylight               | Dry           | No Defects | Not Applicable |
| 202001193281 | Sideswipe Same Direction     | Clear           | Daylight               | Dry           | No Defects | Not Applicable |
| 202001208378 | Turning                      | Clear           | Daylight               | Dry           | No Defects | Not Applicable |
| 202001214132 | Turning                      | Clear           | Daylight               | Dry           | No Defects | Not Applicable |
| 202001352036 | Sideswipe Opposite Direction | Snow            | Daylight               | Snow or Slush | No Defects | Not Applicable |
| 202101018870 | Turning                      | Rain            | Darkness, Lighted Road | Wet           | No Defects | Not Applicable |
| 202101020939 | Front to Rear                | Snow            | Daylight               | Wet           | No Defects | Not Applicable |
| 202101026561 | Front to Rear                | Clear           | Daylight               | Dry           | No Defects | Not Applicable |
| 202101048186 | Turning                      | Snow            | Daylight               | Snow or Slush | No Defects | Not Applicable |
| 202101091155 | Front to Rear                | Clear           | Daylight               | Dry           | No Defects | Not Applicable |
| 202101119290 | Turning                      | Clear           | Daylight               | Dry           | No Defects | Not Applicable |
| 202101336950 | Sideswipe Same Direction     | Rain            | Daylight               | Wet           | No Defects | Not Applicable |
| 202101344082 | Sideswipe Same Direction     | Rain            | Daylight               | Wet           | No Defects | Not Applicable |
| 202101344088 | Angle                        | Rain            | Daylight               | Wet           | No Defects | Not Applicable |
| 202101398759 | Turning                      | Clear           | Daylight               | Dry           | No Defects | Not Applicable |
| 202401369871 | Turning                      | Clear           | Daylight               | Dry           | No Defects | Not Applicable |
| 202401416384 | Turning                      | Snow            | Darkness, Lighted Road | Wet           | No Defects | Not Applicable |
| 202401080209 | Turning                      | Clear           | Daylight               | Dry           | No Defects | Not Applicable |
| 202401112194 | Turning                      | Clear           | Darkness, Lighted Road | Dry           | No Defects | Not Applicable |
| 202401248828 | Front to Rear                | Clear           | Darkness, Lighted Road | Dry           |            | Not Applicable |
| 202401276080 | Turning                      | Clear           | Daylight               | Dry           | No Defects | Not Applicable |
| 202401284075 | Turning                      | Clear           | Daylight               | Dry           | No Defects | Not Applicable |



## Crash Data Knapp Dr and IL Route 7 (Theodore St)

| TRAF_CNTRL  | CASE_ID      | COUNTY | TOWNSHIP | TS_ROUTE | CITY       | DRIVER_1          | VEH1_TYPE | VEH1_SPECL               |
|-------------|--------------|--------|----------|----------|------------|-------------------|-----------|--------------------------|
| Stop Sign   | 202301030768 | 099    | 00       | 0000     | Crest Hill | Normal            | Passenger | Personal                 |
| Stop Sign   | 202201024581 | 099    | 00       | 0000     | Crest Hill | Normal            | Passenger | Personal                 |
| Stop Sign   | 202201095454 | 099    | 10       | 5007     | Joliet     | Other/Unknown     | Passenger | Unknown                  |
| No Controls | 202201096507 | 099    | 00       | 0000     | Crest Hill | Normal            | Passenger | Personal                 |
| Stop Sign   | 202201144594 | 099    | 00       | 0000     | Crest Hill | Normal            | Passenger | Personal                 |
| Stop Sign   | 202201189805 | 099    | 00       | 0000     | Crest Hill | Normal            | Passenger | Personal                 |
| No Controls | 202201236434 | 099    | 10       | 5007     | Joliet     | Had Been Drinking | Passenger | Personal                 |
| Stop Sign   | 202201262748 | 099    | 00       | 0000     | Crest Hill | Normal            | Passenger | Personal                 |
| Stop Sign   | 202201338960 | 099    | 00       | 0000     | Crest Hill | Emotional         | Passenger | Personal                 |
| Stop Sign   | 202201399647 | 099    | 00       | 0000     | Crest Hill | Normal            | SUV       | Personal                 |
| Stop Sign   | 202001126701 | 099    | 00       | 0000     | Crest Hill | Normal            | Passenger | Personal                 |
| Stop Sign   | 202001126733 | 099    | 00       | 0000     | Joliet     | Normal            | Passenger | Personal                 |
| No Controls | 202001189443 | 099    | 00       | 0000     | Crest Hill | Normal            | SUV       | Personal                 |
| Delineators | 202001193281 | 099    | 00       | 0000     | Joliet     | Other/Unknown     | Passenger | Personal                 |
| Stop Sign   | 202001208378 | 099    | 00       | 0000     | Joliet     | Normal            | Passenger | Personal                 |
| No Controls | 202001214132 | 099    | 00       | 0000     | Joliet     | Normal            | SUV       | Other                    |
| Stop Sign   | 202001352036 | 099    | 00       | 0000     | Crest Hill | Normal            | Passenger | Personal                 |
| Stop Sign   | 202101018870 | 099    | 00       | 0000     | Joliet     | Normal            | SUV       | Personal                 |
| Stop Sign   | 202101020939 | 099    | 00       | 0000     | Crest Hill | Normal            | Passenger | Personal                 |
| Stop Sign   | 202101026561 | 099    | 00       | 0000     | Crest Hill | Normal            | Pickup    | Construction/Maintenance |
| Stop Sign   | 202101048186 | 099    | 00       | 0000     | Crest Hill | Normal            | Passenger | Personal                 |
| No Controls | 202101091155 | 099    | 00       | 0000     | Joliet     | Normal            | SUV       | Personal                 |
| Stop Sign   | 202101119290 | 099    | 00       | 0000     | Crest Hill | Normal            | Passenger | Personal                 |
| Stop Sign   | 202101336950 | 099    | 00       | 0000     | Crest Hill | Normal            | Passenger | Personal                 |
| Stop Sign   | 202101344082 | 099    | 00       | 0000     | Crest Hill | Normal            | Passenger | Personal                 |
| Stop Sign   | 202101344088 | 099    | 00       | 0000     | Crest Hill | Other/Unknown     | Passenger | Unknown                  |
| Stop Sign   | 202101398759 | 099    | 00       | 0000     | Crest Hill | Normal            | Passenger | Personal                 |
| Stop Sign   | 202401369871 | 099    | 10       | 871      | Crest Hill | Normal            | Pickup    | Personal                 |
| No Controls | 202401416384 | 099    | 10       | 871      | Crest Hill | Normal            | Passenger | Personal                 |
| No Controls | 202401080209 | 099    | 10       | 871      | Crest Hill | Normal            | Pickup    | Personal                 |
| Stop Sign   | 202401112194 | 099    | 10       | 871      | Crest Hill | Normal            | Pickup    | Personal                 |
| Stop Sign   | 202401248828 | 099    | 10       | 871      | Crest Hill | Emotional         | SUV       | Personal                 |
| Stop Sign   | 202401276080 | 099    | 10       | 871      | Joliet     | Normal            | SUV       | Personal                 |
| Stop Sign   | 202401284075 | 099    | 10       | 871      | Joliet     | Normal            | Passenger | Personal                 |

## Crash Data Knapp Dr and IL Route 7 (Theodore St)

| CASE_ID      | VEH1_DIR  | VEH1_MANUV            | VEH1_EVNT1               | VEH1_LOC1             | VEH1_EVNT2 | VEH1_LOC2 | VEH1_EVNT3 |
|--------------|-----------|-----------------------|--------------------------|-----------------------|------------|-----------|------------|
| 202301030768 | Northwest | Turning Right         | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202201024581 | South     | Turning Left          | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202201095454 | East      | Turning Left          | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202201096507 | Northwest | Turning Right         | Traffic Signal           | Intersection          |            |           |            |
| 202201144594 | East      | Turning Left          | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202201189805 | South     | Turning Left          | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202201236434 | East      | Straight Ahead        | Curb                     | On Pavement (Roadway) |            |           |            |
| 202201262748 | Southeast | Turning Left          | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202201338960 | South     | Turning Left          | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202201399647 | South     | Turning Left          | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202001126701 | South     | Turning Left          | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202001126733 | South     | Turning Left          | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202001189443 | West      | Changing Lanes        | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202001193281 | West      | Changing Lanes        | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202001208378 | South     | Turning Left          | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202001214132 | North     | Turning Left          | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202001352036 | North     | Skidding/Control Loss | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202101018870 | Southeast | Turning Left          | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202101020939 | South     | Straight Ahead        | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202101026561 | South     | Slow/Stop In Traffic  | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202101048186 | West      | Turning Right         | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202101091155 | West      | Straight Ahead        | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202101119290 | South     | Turning Left          | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202101336950 | West      | Changing Lanes        | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202101344082 | West      | Changing Lanes        | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202101344088 | West      | Skidding/Control Loss | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202101398759 | South     | Straight Ahead        | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202401369871 | West      | Turning Right         | Motor Vehicle In Traffic | Intersection          |            |           |            |
| 202401416384 | West      | Turning Left          | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202401080209 | Northwest | Turning Left          | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202401112194 | East      | Turning Left          | Motor Vehicle In Traffic | Intersection          |            |           |            |
| 202401248828 | South     | Straight Ahead        | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202401276080 | South     | Turning Left          | Motor Vehicle In Traffic | Intersection          |            |           |            |
| 202401284075 | East      | Turning Left          | Motor Vehicle In Traffic | Intersection          |            |           |            |

## Crash Data Knapp Dr and IL Route 7 (Theodore St)

| CASE_ID      | VEH1_LOC3 | DRIVER_2      | VEH2_TYPE    | VEH2_SPECL            | VEH2_DIR  | VEH2_MANUV           | VEH2_EVNT1               |
|--------------|-----------|---------------|--------------|-----------------------|-----------|----------------------|--------------------------|
| 202301030768 |           | Normal        | Other        | Other                 | Southwest | Slow/Stop In Traffic | Motor Vehicle In Traffic |
| 202201024581 |           | Normal        | Passenger    | Personal              | East      | Straight Ahead       | Motor Vehicle In Traffic |
| 202201095454 |           | Normal        | SUV          | Personal              | North     | Turning Left         | Motor Vehicle In Traffic |
| 202201096507 |           |               |              |                       |           |                      |                          |
| 202201144594 |           | Normal        | Passenger    | Personal              | North     | Turning Left         | Motor Vehicle In Traffic |
| 202201189805 |           | Normal        | SUV          | Personal              | West      | Straight Ahead       | Motor Vehicle In Traffic |
| 202201236434 |           |               |              |                       |           |                      |                          |
| 202201262748 |           | Normal        | SUV          | Personal              | West      | Straight Ahead       | Motor Vehicle In Traffic |
| 202201338960 |           | Normal        | Passenger    | Personal              | West      | Slow/Stop In Traffic | Motor Vehicle In Traffic |
| 202201399647 |           | Normal        | SUV          | Personal              | West      | Straight Ahead       | Motor Vehicle In Traffic |
| 202001126701 |           | Normal        | Passenger    | Personal              | East      | Slow/Stop In Traffic | Motor Vehicle In Traffic |
| 202001126733 |           | Normal        | Passenger    | Personal              | East      | Turning Left         | Motor Vehicle In Traffic |
| 202001189443 |           | Normal        | Passenger    | Unknown               | West      | Straight Ahead       | Motor Vehicle In Traffic |
| 202001193281 |           | Normal        | Passenger    | Personal              | West      | Straight Ahead       | Motor Vehicle In Traffic |
| 202001208378 |           | Normal        | Van/Mini-Van | Personal              | West      | Straight Ahead       | Motor Vehicle In Traffic |
| 202001214132 |           | Normal        | Pickup       | Lawn Care/Landscaping | West      | Straight Ahead       | Motor Vehicle In Traffic |
| 202001352036 |           | Normal        | Passenger    | Personal              | South     | Slow/Stop In Traffic | Motor Vehicle In Traffic |
| 202101018870 |           | Normal        | Passenger    | Personal              | West      | Straight Ahead       | Motor Vehicle In Traffic |
| 202101020939 |           | Normal        | Passenger    | Personal              | South     | Slow/Stop In Traffic | Motor Vehicle In Traffic |
| 202101026561 |           | Normal        | Passenger    | Personal              | South     | Straight Ahead       | Motor Vehicle In Traffic |
| 202101048186 |           | Normal        | Passenger    | Personal              | South     | Slow/Stop In Traffic | Motor Vehicle In Traffic |
| 202101091155 |           | Normal        | Passenger    | Personal              | West      | Slow/Stop In Traffic | Motor Vehicle In Traffic |
| 202101119290 |           | Normal        | Passenger    | Personal              | West      | Straight Ahead       | Motor Vehicle In Traffic |
| 202101336950 |           | Normal        | Passenger    | Personal              | West      | Straight Ahead       | Motor Vehicle In Traffic |
| 202101344082 |           | Other/Unknown | Unknown      | Unknown               | West      | Unknown              | Motor Vehicle In Traffic |
| 202101344088 |           | Normal        | SUV          | Personal              | South     | Slow/Stop In Traffic | Motor Vehicle In Traffic |
| 202101398759 |           | Normal        | Passenger    | Personal              | West      | Turning Left         | Motor Vehicle In Traffic |
| 202401369871 |           | Normal        | Passenger    | Personal              | South     | Straight Ahead       | Motor Vehicle In Traffic |
| 202401416384 |           | Normal        | Passenger    | Personal              | Northwest | Straight Ahead       | Motor Vehicle In Traffic |
| 202401080209 |           | Normal        | SUV          | Personal              | West      | Straight Ahead       | Motor Vehicle In Traffic |
| 202401112194 |           | Normal        | SUV          | Personal              | North     | Turning Left         | Motor Vehicle In Traffic |
| 202401248828 |           | Normal        | Passenger    | Personal              | South     | Slow/Stop In Traffic | Motor Vehicle In Traffic |
| 202401276080 |           | Other/Unknown | Passenger    | Personal              | West      | Straight Ahead       | Motor Vehicle In Traffic |
| 202401284075 |           | Normal        | Passenger    | Personal              | West      | Straight Ahead       | Motor Vehicle In Traffic |



## Crash Data Knapp Dr and IL Route 7 (Theodore St)

| CASE_ID      | VEH2_LOC1             | VEH2_EVNT2 | VEH2_LOC2 | VEH2_EVNT3 | VEH2_LOC3 | DRIVER_3 | VEH3_TYPE | VEH3_SPECL |
|--------------|-----------------------|------------|-----------|------------|-----------|----------|-----------|------------|
| 202301030768 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202201024581 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202201095454 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202201096507 |                       |            |           |            |           |          |           |            |
| 202201144594 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202201189805 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202201236434 |                       |            |           |            |           |          |           |            |
| 202201262748 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202201338960 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202201399647 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202001126701 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202001126733 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202001189443 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202001193281 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202001208378 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202001214132 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202001352036 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202101018870 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202101020939 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202101026561 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202101048186 | Intersection          |            |           |            |           | Normal   | SUV       | Personal   |
| 202101091155 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202101119290 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202101336950 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202101344082 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202101344088 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202101398759 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202401369871 | Intersection          |            |           |            |           |          |           |            |
| 202401416384 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202401080209 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202401112194 | Intersection          |            |           |            |           |          |           |            |
| 202401248828 | On Pavement (Roadway) |            |           |            |           |          |           |            |
| 202401276080 | Intersection          |            |           |            |           |          |           |            |
| 202401284075 | Intersection          |            |           |            |           |          |           |            |

## Crash Data Knapp Dr and IL Route 7 (Theodore St)

| CASE_ID      | VEH3_DIR | VEH3_MANUV           | VEH3_EVNT1               | VEH3_LOC1    | VEH3_EVNT2 | VEH3_LOC2 | VEH3_EVNT3 | VEH3_LOC3 |
|--------------|----------|----------------------|--------------------------|--------------|------------|-----------|------------|-----------|
| 202301030768 |          |                      |                          |              |            |           |            |           |
| 202201024581 |          |                      |                          |              |            |           |            |           |
| 202201095454 |          |                      |                          |              |            |           |            |           |
| 202201096507 |          |                      |                          |              |            |           |            |           |
| 202201144594 |          |                      |                          |              |            |           |            |           |
| 202201189805 |          |                      |                          |              |            |           |            |           |
| 202201236434 |          |                      |                          |              |            |           |            |           |
| 202201262748 |          |                      |                          |              |            |           |            |           |
| 202201338960 |          |                      |                          |              |            |           |            |           |
| 202201399647 |          |                      |                          |              |            |           |            |           |
| 202001126701 |          |                      |                          |              |            |           |            |           |
| 202001126733 |          |                      |                          |              |            |           |            |           |
| 202001189443 |          |                      |                          |              |            |           |            |           |
| 202001193281 |          |                      |                          |              |            |           |            |           |
| 202001208378 |          |                      |                          |              |            |           |            |           |
| 202001214132 |          |                      |                          |              |            |           |            |           |
| 202001352036 |          |                      |                          |              |            |           |            |           |
| 202101018870 |          |                      |                          |              |            |           |            |           |
| 202101020939 |          |                      |                          |              |            |           |            |           |
| 202101026561 |          |                      |                          |              |            |           |            |           |
| 202101048186 | South    | Slow/Stop In Traffic | Motor Vehicle In Traffic | Intersection |            |           |            |           |
| 202101091155 |          |                      |                          |              |            |           |            |           |
| 202101119290 |          |                      |                          |              |            |           |            |           |
| 202101336950 |          |                      |                          |              |            |           |            |           |
| 202101344082 |          |                      |                          |              |            |           |            |           |
| 202101344088 |          |                      |                          |              |            |           |            |           |
| 202101398759 |          |                      |                          |              |            |           |            |           |
| 202401369871 |          |                      |                          |              |            |           |            |           |
| 202401416384 |          |                      |                          |              |            |           |            |           |
| 202401080209 |          |                      |                          |              |            |           |            |           |
| 202401112194 |          |                      |                          |              |            |           |            |           |
| 202401248828 |          |                      |                          |              |            |           |            |           |
| 202401276080 |          |                      |                          |              |            |           |            |           |
| 202401284075 |          |                      |                          |              |            |           |            |           |

## Crash Data Knapp Dr and IL Route 7 (Theodore St)

| CASE_ID      | DRIVER_4 | VEH4_TYPE | VEH4_SPEC | VEH4_DIR | VEH4_MANUV           | VEH4_EVNT1               | VEH4_LOC1    | VEH4_EVNT2 |
|--------------|----------|-----------|-----------|----------|----------------------|--------------------------|--------------|------------|
| 202301030768 |          |           |           |          |                      |                          |              |            |
| 202201024581 |          |           |           |          |                      |                          |              |            |
| 202201095454 |          |           |           |          |                      |                          |              |            |
| 202201096507 |          |           |           |          |                      |                          |              |            |
| 202201144594 |          |           |           |          |                      |                          |              |            |
| 202201189805 |          |           |           |          |                      |                          |              |            |
| 202201236434 |          |           |           |          |                      |                          |              |            |
| 202201262748 |          |           |           |          |                      |                          |              |            |
| 202201338960 |          |           |           |          |                      |                          |              |            |
| 202201399647 |          |           |           |          |                      |                          |              |            |
| 202001126701 |          |           |           |          |                      |                          |              |            |
| 202001126733 |          |           |           |          |                      |                          |              |            |
| 202001189443 |          |           |           |          |                      |                          |              |            |
| 202001193281 |          |           |           |          |                      |                          |              |            |
| 202001208378 |          |           |           |          |                      |                          |              |            |
| 202001214132 |          |           |           |          |                      |                          |              |            |
| 202001352036 |          |           |           |          |                      |                          |              |            |
| 202101018870 |          |           |           |          |                      |                          |              |            |
| 202101020939 |          |           |           |          |                      |                          |              |            |
| 202101026561 |          |           |           |          |                      |                          |              |            |
| 202101048186 | Normal   | SUV       | Personal  | South    | Slow/Stop In Traffic | Motor Vehicle In Traffic | Intersection |            |
| 202101091155 |          |           |           |          |                      |                          |              |            |
| 202101119290 |          |           |           |          |                      |                          |              |            |
| 202101336950 |          |           |           |          |                      |                          |              |            |
| 202101344082 |          |           |           |          |                      |                          |              |            |
| 202101344088 |          |           |           |          |                      |                          |              |            |
| 202101398759 |          |           |           |          |                      |                          |              |            |
| 202401369871 |          |           |           |          |                      |                          |              |            |
| 202401416384 |          |           |           |          |                      |                          |              |            |
| 202401080209 |          |           |           |          |                      |                          |              |            |
| 202401112194 |          |           |           |          |                      |                          |              |            |
| 202401248828 |          |           |           |          |                      |                          |              |            |
| 202401276080 |          |           |           |          |                      |                          |              |            |
| 202401284075 |          |           |           |          |                      |                          |              |            |



## Crash Data Knapp Dr and IL Route 7 (Theodore St)

| CASE_ID      | VEH4_LOC2 | VEH4_EVNT3 | VEH4_LOC3 | DUP_CD        | REC_TYPE | XCOORD              | YCOORD              | INTERSEC |
|--------------|-----------|------------|-----------|---------------|----------|---------------------|---------------------|----------|
| 202301030768 |           |            |           | 0990000000.00 | C-Injury | 2856775.67889000000 | 1785848.41179000000 | Y        |
| 202201024581 |           |            |           | 0990000000.00 | PD       | 2856775.67889000000 | 1785848.41179000000 | Y        |
| 202201095454 |           |            |           | 0995007004.05 | PD       | 2856788.72699000000 | 1785867.29572000000 | Y        |
| 202201096507 |           |            |           | 0990000000.00 | PD       | 2856775.67889000000 | 1785848.41179000000 | Y        |
| 202201144594 |           |            |           | 0990000000.00 | PD       | 2856775.67889000000 | 1785848.41179000000 | Y        |
| 202201189805 |           |            |           | 0990000000.00 | B-Injury | 2856775.67889000000 | 1785848.41179000000 | Y        |
| 202201236434 |           |            |           | 0995007004.05 | PD       | 2856788.40916000000 | 1785868.02386000000 | N        |
| 202201262748 |           |            |           | 0990000000.00 | C-Injury | 2856775.67889000000 | 1785848.41179000000 | N        |
| 202201338960 |           |            |           | 0990000000.00 | PD       | 2856775.67889000000 | 1785848.41179000000 | Y        |
| 202201399647 |           |            |           | 0990000000.00 | PD       | 2856775.67889000000 | 1785848.41179000000 | Y        |
| 202001126701 |           |            |           | 0990000000.00 | PD       | 2856775.67889000000 | 1785848.41179000000 | Y        |
| 202001126733 |           |            |           | 0990000000.00 | PD       | 2856775.67889000000 | 1785848.41179000000 | Y        |
| 202001189443 |           |            |           | 0990000000.00 | PD       | 2856775.67889000000 | 1785848.41179000000 | N        |
| 202001193281 |           |            |           | 0990000000.00 | PD       | 2856775.67889000000 | 1785848.41179000000 | Y        |
| 202001208378 |           |            |           | 0990000000.00 | PD       | 2856775.67889000000 | 1785848.41179000000 | Y        |
| 202001214132 |           |            |           | 0990000000.00 | PD       | 2856775.67889000000 | 1785848.41179000000 | Y        |
| 202001352036 |           |            |           | 0990000000.00 | PD       | 2856775.67889000000 | 1785848.41179000000 | Y        |
| 202101018870 |           |            |           | 0990000000.00 | PD       | 2856775.67889000000 | 1785848.41179000000 | Y        |
| 202101020939 |           |            |           | 0990000000.00 | PD       | 2856775.67889000000 | 1785848.41179000000 | Y        |
| 202101026561 |           |            |           | 0990000000.00 | PD       | 2856775.67889000000 | 1785848.41179000000 | Y        |
| 202101048186 |           |            |           | 0990000000.00 | PD       | 2856775.67889000000 | 1785848.41179000000 | Y        |
| 202101091155 |           |            |           | 0990000000.00 | PD       | 2856775.67889000000 | 1785848.41179000000 | N        |
| 202101119290 |           |            |           | 0990000000.00 | PD       | 2856775.67889000000 | 1785848.41179000000 | Y        |
| 202101336950 |           |            |           | 0990000000.00 | PD       | 2856775.67889000000 | 1785848.41179000000 | Y        |
| 202101344082 |           |            |           | 0990000000.00 | PD       | 2856775.67889000000 | 1785848.41179000000 | Y        |
| 202101344088 |           |            |           | 0990000000.00 | PD       | 2856775.67889000000 | 1785848.41179000000 | Y        |
| 202101398759 |           |            |           | 0990000000.00 | B-Injury | 2856775.67889000000 | 1785848.41179000000 | Y        |
| 202401369871 |           |            |           | 099871000.31  | PD       | 2856788.79510000000 | 1785867.05134000000 | Y        |
| 202401416384 |           |            |           | 099871000.31  | PD       | 2856787.16070000000 | 1785866.95007000000 | Y        |
| 202401080209 |           |            |           | 099871000.31  | B-Injury | 2856779.30265000000 | 1785866.32718000000 | Y        |
| 202401112194 |           |            |           | 099871000.31  | PD       | 2856788.69116000000 | 1785867.04490000000 | Y        |
| 202401248828 |           |            |           | 099871000.31  | PD       | 2856788.80787000000 | 1785867.05214000000 | Y        |
| 202401276080 |           |            |           | 099871000.31  | C-Injury | 2856788.75466000000 | 1785867.04884000000 | Y        |
| 202401284075 |           |            |           | 099871000.31  | PD       | 2856788.73133000000 | 1785867.04739000000 | Y        |

## Crash Data Knapp Dr and IL Route 7 (Theodore St)

| CASE_ID      | SFE        | AGENCY_NUM | RUNDATE    | WorkZone | WorkZoneTy | WorkersPre | ExceedSpee | CellPhoneU | CASE_ID      |
|--------------|------------|------------|------------|----------|------------|------------|------------|------------|--------------|
| 202301030768 | X002905688 | 11295      | 2024062404 | N        | (N/A)      | N          | N          | N          | 202301030768 |
| 202201024581 | X002508861 | 11295      | 2023090404 | N        | (N/A)      | N          | N          | N          | 202201024581 |
| 202201095454 | X002575140 | 11295      | 2023090404 | N        | (N/A)      | N          | N          | N          | 202201095454 |
| 202201096507 | X002576042 | 11295      | 2023090404 | N        | (N/A)      | N          | N          | N          | 202201096507 |
| 202201144594 | X002621247 | 11295      | 2023090404 | N        | (N/A)      | N          | N          | N          | 202201144594 |
| 202201189805 | X002662730 | 11295      | 2023090404 | N        | (N/A)      | N          | N          | N          | 202201189805 |
| 202201236434 | X002705027 | 20099      | 2023090404 | N        | (N/A)      | N          | N          | N          | 202201236434 |
| 202201262748 | X002729410 | 11295      | 2023090404 | N        | (N/A)      | N          | N          | N          | 202201262748 |
| 202201338960 | X002800062 | 11295      | 2023090404 | N        | (N/A)      | N          | N          | N          | 202201338960 |
| 202201399647 | X002856477 | 11295      | 2023090404 | N        | (N/A)      | N          | N          | N          | 202201399647 |
| 202001126701 | X001913970 | 11295      | 2023080704 | N        | (N/A)      | N          | N          | N          | 202001126701 |
| 202001126733 | X001914003 | 11295      | 2023080704 | N        | (N/A)      | N          | N          | N          | 202001126733 |
| 202001189443 | X001970887 | 11295      | 2023080704 | N        | (N/A)      | N          | N          | N          | 202001189443 |
| 202001193281 | X001974447 | 11295      | 2023080704 | N        | (N/A)      | N          | N          | N          | 202001193281 |
| 202001208378 | X001988442 | 11295      | 2023080704 | N        | (N/A)      | N          | N          | N          | 202001208378 |
| 202001214132 | X001993669 | 11295      | 2023080704 | N        | (N/A)      | N          | N          | N          | 202001214132 |
| 202001352036 | X002110978 | 11295      | 2023080704 | N        | (N/A)      | N          | N          | N          | 202001352036 |
| 202101018870 | X002124007 | 11295      | 2023080704 | N        | (N/A)      | N          | N          | N          | 202101018870 |
| 202101020939 | X002126076 | 11295      | 2023080704 | N        | (N/A)      | N          | N          | N          | 202101020939 |
| 202101026561 | X002131950 | 11295      | 2023080704 | N        | (N/A)      | N          | N          | N          | 202101026561 |
| 202101048186 | X002153243 | 11295      | 2023080704 | N        | (N/A)      | N          | N          | N          | 202101048186 |
| 202101091155 | X002194752 | 11295      | 2023080704 | N        | (N/A)      | N          | N          | N          | 202101091155 |
| 202101119290 | X002218303 | 11295      | 2023080704 | N        | (N/A)      | N          | N          | N          | 202101119290 |
| 202101336950 | X002414504 | 11295      | 2023080704 | N        | (N/A)      | N          | N          | N          | 202101336950 |
| 202101344082 | X002420313 | 11295      | 2023080704 | N        | (N/A)      | N          | N          | N          | 202101344082 |
| 202101344088 | X002420319 | 11295      | 2023080704 | N        | (N/A)      | N          | N          | N          | 202101344088 |
| 202101398759 | X002468882 | 11295      | 2023080704 | N        | (N/A)      | N          | N          | N          | 202101398759 |
| 202401369871 | X003621485 | 11295      | 2025072804 | N        | (N/A)      | N          | N          | N          | 202401369871 |
| 202401416384 | X003665227 | 11295      | 2025072804 | N        | (N/A)      | N          | N          | N          | 202401416384 |
| 202401080209 | X003348368 | 11295      | 2025072804 | N        | (N/A)      | N          | N          | N          | 202401080209 |
| 202401112194 | X003379648 | 11295      | 2025072804 | N        | (N/A)      | N          | N          | N          | 202401112194 |
| 202401248828 | X003508379 | 11295      | 2025072804 | N        | (N/A)      | N          | N          | N          | 202401248828 |
| 202401276080 | X003533530 | 11295      | 2025072804 | N        | (N/A)      | N          | N          | N          | 202401276080 |
| 202401284075 | X003540616 | 11295      | 2025072804 | N        | (N/A)      | N          | N          | N          | 202401284075 |

## Crash Data Knapp Dr and IL Route 7 (Theodore St)

| TSCrashLat      | TSCrashLon       | CrashDateT                  |
|-----------------|------------------|-----------------------------|
| 41.551800000000 | -88.120000000000 | 20230126070500.000000000000 |
| 41.551800000000 | -88.120000000000 | 20220118152900.000000000000 |
| 41.55185094670  | -88.11995072350  | 20220322210800.000000000000 |
| 41.551800000000 | -88.120000000000 | 20220311004300.000000000000 |
| 41.551800000000 | -88.120000000000 | 20220509133000.000000000000 |
| 41.551800000000 | -88.120000000000 | 20220616052500.000000000000 |
| 41.55185296450  | -88.11995182100  | 20220726015600.000000000000 |
| 41.551800000000 | -88.120000000000 | 20220819082100.000000000000 |
| 41.551800000000 | -88.120000000000 | 20221021132100.000000000000 |
| 41.551800000000 | -88.120000000000 | 20221209030500.000000000000 |
| 41.551800000000 | -88.120000000000 | 20200524085700.000000000000 |
| 41.551800000000 | -88.120000000000 | 20200524140000.000000000000 |
| 41.551800000000 | -88.120000000000 | 20200728061700.000000000000 |
| 41.551800000000 | -88.120000000000 | 20200801120500.000000000000 |
| 41.551800000000 | -88.120000000000 | 20200816095900.000000000000 |
| 41.551800000000 | -88.120000000000 | 20200821154000.000000000000 |
| 41.551800000000 | -88.120000000000 | 20201229155200.000000000000 |
| 41.551800000000 | -88.120000000000 | 20210114185700.000000000000 |
| 41.551800000000 | -88.120000000000 | 20210117154000.000000000000 |
| 41.551800000000 | -88.120000000000 | 20210124023000.000000000000 |
| 41.551800000000 | -88.120000000000 | 20210213100000.000000000000 |
| 41.551800000000 | -88.120000000000 | 20210329170600.000000000000 |
| 41.551800000000 | -88.120000000000 | 20210425025300.000000000000 |
| 41.551800000000 | -88.120000000000 | 20211024134100.000000000000 |
| 41.551800000000 | -88.120000000000 | 20211028153500.000000000000 |
| 41.551800000000 | -88.120000000000 | 20211028154500.000000000000 |
| 41.551800000000 | -88.120000000000 | 20211210131000.000000000000 |
| 41.55185027200  | -88.11995049600  | 20241112154800.000000000000 |
| 41.55185010050  | -88.11995647240  | 20241219172000.000000000000 |
| 41.55184890300  | -88.11998521810  | 20240311153800.000000000000 |
| 41.55185026110  | -88.11995087600  | 20240412201500.000000000000 |
| 41.55185027340  | -88.11995044930  | 20240806205200.000000000000 |
| 41.55185026780  | -88.11995064380  | 20240828174900.000000000000 |
| 41.55185026530  | -88.11995072920  | 20240904142700.000000000000 |



## Crash Data Knapp Dr at Larkin Ave To Theodore St

| CASE_ID      | OBJECTID | ROUTE | MILE | YEAR | MONTH | DAY | HOUR | DAY_O_WEEK | NUM_VEH | INJURIES |
|--------------|----------|-------|------|------|-------|-----|------|------------|---------|----------|
| 202001152820 | 96254    |       | 0.00 | 20   | 06    | 21  | 22   | Sun        | 1       | 1        |
| 202001260912 | 169178   | 18    | 0.16 | 20   | 10    | 07  | 14   | Wed        | 2       | 0        |
| 202101324304 | 216705   | 18    | 0.38 | 21   | 10    | 11  | 14   | Mon        | 2       | 0        |
| 202101351295 | 235191   |       | 0.00 | 21   | 10    | 20  | 12   | Wed        | 1       | 1        |
| 202401390945 | 0        |       | 0.00 | 24   | 11    | 29  | 09   | Fri        | 1       | 0        |

## Crash Data Knapp Dr at Larkin Ave To Theodore St

| CASE_ID      | FATALITIES | COLL_TYPE                    | WEATHER | LIGHTING               | SURF_COND     | RD_DEFECT  |
|--------------|------------|------------------------------|---------|------------------------|---------------|------------|
| 202001152820 | 0          | Fixed Object                 | Rain    | Darkness, Lighted Road | Dry           | No Defects |
| 202001260912 | 0          | Turning                      | Clear   | Daylight               | Dry           | No Defects |
| 202101324304 | 0          | Sideswipe Opposite Direction | Rain    | Daylight               | Wet           | No Defects |
| 202101351295 | 1          | Pedestrian                   | Clear   | Daylight               | Dry           | No Defects |
| 202401390945 | 0          | Overturned                   | Snow    | Daylight               | Snow or Slush | No Defects |

### Crash Data Knapp Dr at Larkin Ave To Theodore St

| CASE_ID      | RD_FEATURE     | TRAF_CNTRL  | COUNTY | TOWNSHIP | TS_ROUTE | CITY       | DRIVER_1       | VEH1_TYPE |
|--------------|----------------|-------------|--------|----------|----------|------------|----------------|-----------|
| 202001152820 | Not Applicable |             | 099    | 00       | 0000     | Crest Hill | Removed By EMS | Passenger |
| 202001260912 | Not Applicable | Stop Sign   | 099    | 00       | 98       | Crest Hill | Normal         | Passenger |
| 202101324304 | Not Applicable | No Controls | 099    | 00       | 98       | Crest Hill | Normal         | Passenger |
| 202101351295 | Not Applicable | Other       | 099    | 11       | 0000     | Crest Hill | Removed By EMS | Passenger |
| 202401390945 | Not Applicable | Delineators | 099    | 00       | 0000     | Crest Hill | Removed By EMS | SUV       |



## Crash Data Knapp Dr at Larkin Ave To Theodore St

| CASE_ID      | VEH1_SPECL | VEH1_DIR  | VEH1_MANUV            | VEH1_EVNT1               | VEH1_LOC1             | VEH1_EVNT2         |
|--------------|------------|-----------|-----------------------|--------------------------|-----------------------|--------------------|
| 202001152820 | Personal   | North     | Turning Left          | Other Fixed Object       | Other                 |                    |
| 202001260912 | Personal   | South     | Turning Left          | Motor Vehicle In Traffic | On Pavement (Roadway) |                    |
| 202101324304 | Personal   | North     | Negotiating A Curve   | Motor Vehicle In Traffic | On Pavement (Roadway) |                    |
| 202101351295 | Personal   | West      | Skidding/Control Loss | Pedestrian               | On Pavement (Roadway) | Other Fixed Object |
| 202401390945 | Personal   | Southeast | Skidding/Control Loss | Ran Off Roadway          | Off Pavement - Left   | Overturn           |

## Crash Data Knapp Dr at Larkin Ave To Theodore St

| CASE_ID      | VEH1_LOC2             | VEH1_EVNT3 | VEH1_LOC3 | DRIVER_2 | VEH2_TYPE | VEH2_SPECL | VEH2_DIR |
|--------------|-----------------------|------------|-----------|----------|-----------|------------|----------|
| 202001152820 |                       |            |           |          |           |            |          |
| 202001260912 |                       |            |           | Normal   | Passenger | Personal   | West     |
| 202101324304 |                       |            |           | Normal   | Pickup    | Personal   | South    |
| 202101351295 | On Pavement (Roadway) |            |           | N/A      | N/A       | N/A        | N/A      |
| 202401390945 | Off Pavement - Left   |            |           |          |           |            |          |

## Crash Data Knapp Dr at Larkin Ave To Theodore St

| CASE_ID      | VEH2_MANUV     | VEH2_EVNT1               | VEH2_LOC1             | VEH2_EVNT2 | VEH2_LOC2 | VEH2_EVNT3 |
|--------------|----------------|--------------------------|-----------------------|------------|-----------|------------|
| 202001152820 |                |                          |                       |            |           |            |
| 202001260912 | Turning Right  | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202101324304 | Straight Ahead | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |
| 202101351295 | N/A            | N/A                      | N/A                   | N/A        | N/A       | N/A        |
| 202401390945 |                |                          |                       |            |           |            |



## Crash Data Knapp Dr at Larkin Ave To Theodore St

| CASE_ID      | VEH2_LOC3 | DRIVER_3 | VEH3_TYPE | VEH3_SPECL | VEH3_DIR | VEH3_MANUV | VEH3_EVNT1 | VEH3_LOC1 |
|--------------|-----------|----------|-----------|------------|----------|------------|------------|-----------|
| 202001152820 |           |          |           |            |          |            |            |           |
| 202001260912 |           |          |           |            |          |            |            |           |
| 202101324304 |           |          |           |            |          |            |            |           |
| 202101351295 | N/A       |          |           |            |          |            |            |           |
| 202401390945 |           |          |           |            |          |            |            |           |

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Crash Data Knapp Dr at Larkin Ave To Theodore St

| CASE_ID      | VEH3_EVNT2 | VEH3_LOC2 | VEH3_EVNT3 | VEH3_LOC3 | DRIVER_4 | VEH4_TYPE | VEH4_SPECL | VEH4_DIR |
|--------------|------------|-----------|------------|-----------|----------|-----------|------------|----------|
| 202001152820 |            |           |            |           |          |           |            |          |
| 202001260912 |            |           |            |           |          |           |            |          |
| 202101324304 |            |           |            |           |          |           |            |          |
| 202101351295 |            |           |            |           |          |           |            |          |
| 202401390945 |            |           |            |           |          |           |            |          |

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## Crash Data Knapp Dr at Larkin Ave To Theodore St

| CASE_ID      | VEH4_MANUV | VEH4_EVNT1 | VEH4_LOC1 | VEH4_EVNT2 | VEH4_LOC2 | VEH4_EVNT3 | VEH4_LOC3 |
|--------------|------------|------------|-----------|------------|-----------|------------|-----------|
| 202001152820 |            |            |           |            |           |            |           |
| 202001260912 |            |            |           |            |           |            |           |
| 202101324304 |            |            |           |            |           |            |           |
| 202101351295 |            |            |           |            |           |            |           |
| 202401390945 |            |            |           |            |           |            |           |

DRAFT



# Crash Data Knapp Dr at Larkin Ave To Theodore St

| CASE_ID      | DUP_CD        | REC_TYPE | XCOORD              | YCOORD              | INTERSEC | SFE        | AGENCY_NUM |
|--------------|---------------|----------|---------------------|---------------------|----------|------------|------------|
| 202001152820 | 0990000000.00 | B-Injury | 2856489.00505000000 | 1786388.51206000000 | N        | X001936579 | 11295      |
| 202001260912 | 09998000.16   | PD       | 2856411.81608000000 | 1787334.63281000000 | Y        | X002036858 | 11295      |
| 202101324304 | 09998000.38   | PD       | 2856548.06569000000 | 1786207.61348000000 | N        | X002402070 | 11295      |
| 202101351295 | 0990000000.00 | Fatal    | 2856402.31522000000 | 1787350.55077000000 | N        | X002412223 | 11295      |
| 202401390945 | 0990000000.00 | PD       | 2856441.72167000000 | 1787296.04814000000 | N        | X003641615 | 11295      |

## Crash Data Knapp Dr at Larkin Ave To Theodore St

| CASE_ID      | RUNDATE    | WorkZone | WorkZoneTy | WorkersPre | ExceedSpee | CellPhoneU | TSCrashLat     | TSCrashLon      |
|--------------|------------|----------|------------|------------|------------|------------|----------------|-----------------|
| 202001152820 | 2023080704 | N        | (N/A)      | N          | N          | N          | 41.55330000000 | -88.12100000000 |
| 202001260912 | 2023080704 | N        | (N/A)      | N          | N          | N          | 41.55590000000 | -88.12120000000 |
| 202101324304 | 2023080704 | N        | (N/A)      | N          | N          | N          | 41.55280000000 | -88.12080000000 |
| 202101351295 | 2023080704 | N        | (N/A)      | N          | N          | N          | 41.55594427750 | -88.12123331530 |
| 202401390945 | 2025072804 | N        | (N/A)      | N          | N          | N          | 41.55580000000 | -88.12110000000 |

## Crash Data Knapp Dr at Larkin Ave To Theodore St

| CASE_ID      | CrashDateT                  | Crash Location                     |
|--------------|-----------------------------|------------------------------------|
| 202001152820 | 20200621222000.000000000000 | north of south willow Intersection |
| 202001260912 | 20201007143500.000000000000 | north willow Intersection          |
| 202101324304 | 20211011141500.000000000000 | south willow Intersection          |
| 202101351295 | 20211020125800.000000000000 | north willow Intersection          |
| 202401390945 | 20241129092600.000000000000 | north willow Intersection          |



## Crash Data Knapp Dr and Larkin Ave/ Weber Rd

| CASE_ID      | OBJECTID | ROUTE | MILE  | YEAR | MONTH | DAY | HOUR | DAY_O_WEEK | NUM_VEH | INJURIES | FATALITIES | COLL_TYPE                |
|--------------|----------|-------|-------|------|-------|-----|------|------------|---------|----------|------------|--------------------------|
| 202301077165 | 28481    |       | 0.00  | 23   | 03    | 09  | 16   | Thu        | 2       | 0        | 0          | Turning                  |
| 202301110917 | 41320    |       | 0.00  | 23   | 04    | 12  | 09   | Wed        | 2       | 0        | 0          | Sideswipe Same Direction |
| 202301282965 | 48143    |       | 0.00  | 23   | 09    | 07  | 08   | Thu        | 3       | 1        | 0          | Front to Rear            |
| 202301271330 | 73161    |       | 0.00  | 23   | 08    | 28  | 14   | Mon        | 2       | 0        | 0          | Front to Rear            |
| 202301057195 | 77763    | I 8   | 0.01  | 23   | 02    | 20  | 13   | Mon        | 2       | 0        | 0          | Front to Rear            |
| 202301254860 | 84451    |       | 0.00  | 23   | 08    | 14  | 12   | Mon        | 4       | 2        | 0          | Front to Rear            |
| 202301114798 | 103949   |       | 0.00  | 23   | 04    | 16  | 15   | Sun        | 2       | 0        | 0          | Front to Rear            |
| 202301403610 | 147015   |       | 0.00  | 23   | 12    | 13  | 19   | Wed        | 2       | 0        | 0          | Front to Rear            |
| 202301348591 | 210965   |       | 0.00  | 23   | 10    | 30  | 14   | Mon        | 2       | 0        | 0          | Front to Rear            |
| 202301420587 | 262821   | TS56  | 12.21 | 23   | 12    | 27  | 19   | Wed        | 2       | 0        | 0          | Front to Rear            |
| 202301396406 | 266582   |       | 0.00  | 23   | 12    | 07  | 16   | Thu        | 1       | 1        | 0          | Fixed Object             |
| 202301234501 | 294848   |       | 0.00  | 23   | 07    | 28  | 07   | Fri        | 2       | 0        | 0          | Front to Rear            |
| 202201029001 | 13281    | I 8   | 0.01  | 22   | 01    | 23  | 07   | Sun        | 1       | 0        | 0          | Fixed Object             |
| 202201034585 | 19259    | I 8   | 0.01  | 22   | 01    | 27  | 09   | Thu        | 1       | 1        | 0          | Fixed Object             |
| 202201112944 | 70743    | I 8   | 0.01  | 22   | 04    | 08  | 13   | Fri        | 3       | 0        | 0          | Front to Rear            |
| 202201139965 | 91875    | I 8   | 0.01  | 22   | 05    | 05  | 14   | Thu        | 2       | 0        | 0          | Front to Rear            |
| 202201319071 | 214884   | I 8   | 0.01  | 22   | 10    | 06  | 09   | Thu        | 2       | 0        | 0          | Front to Rear            |
| 202201391214 | 267382   | I 8   | 0.01  | 22   | 12    | 03  | 15   | Sat        | 2       | 1        | 0          | Front to Rear            |
| 202001021463 | 9716     |       | 0.00  | 20   | 01    | 15  | 18   | Wed        | 2       | 0        | 0          | Front to Rear            |
| 202001292509 | 190118   | I 8   | 0.01  | 20   | 11    | 04  | 10   | Wed        | 2       | 0        | 0          | Front to Rear            |
| 202001299397 | 195632   | I 8   | 0.01  | 20   | 11    | 11  | 14   | Wed        | 2       | 0        | 0          | Sideswipe Same Direction |
| 202101031067 | 14049    | I 8   | 0.01  | 21   | 01    | 28  | 10   | Thu        | 1       | 0        | 0          | Fixed Object             |
| 202101143024 | 91280    | I 8   | 0.01  | 21   | 05    | 15  | 15   | Sat        | 2       | 0        | 0          | Turning                  |
| 202101240195 | 159129   | I 8   | 0.01  | 21   | 08    | 03  | 18   | Tue        | 2       | 0        | 0          | Front to Rear            |
| 202101254166 | 167857   | I 8   | 0.01  | 21   | 08    | 16  | 03   | Mon        | 2       | 0        | 0          | Sideswipe Same Direction |
| 202101263424 | 177539   | I 8   | 0.01  | 21   | 08    | 24  | 14   | Tue        | 2       | 0        | 0          | Front to Rear            |
| 202101271146 | 182481   | I 8   | 0.01  | 21   | 08    | 30  | 21   | Mon        | 1       | 0        | 0          | Fixed Object             |
| 202101277735 | 185986   | I 8   | 0.01  | 21   | 09    | 03  | 17   | Fri        | 2       | 3        | 0          | Front to Rear            |
| 202101281295 | 187105   | I 8   | 0.01  | 21   | 09    | 07  | 15   | Tue        | 2       | 1        | 0          | Front to Front           |
| 202101353644 | 235416   | I 8   | 0.01  | 21   | 10    | 31  | 03   | Sun        | 1       | 0        | 0          | Fixed Object             |
| 202101373693 | 254101   | I 8   | 0.01  | 21   | 11    | 19  | 18   | Fri        | 2       | 0        | 0          | Sideswipe Same Direction |
| 202101388580 | 262880   | I 8   | 0.01  | 21   | 12    | 02  | 15   | Thu        | 1       | 2        | 0          | Other Non-Collision      |
| 202101402274 | 273574   | I 8   | 0.01  | 21   | 12    | 13  | 10   | Mon        | 3       | 0        | 0          | Sideswipe Same Direction |
| 202101417193 | 282463   | I 8   | 0.01  | 21   | 12    | 24  | 17   | Fri        | 2       | 1        | 0          | Front to Rear            |
| 202401022464 | 0        |       | 0.00  | 24   | 01    | 16  | 13   | Tue        | 2       | 3        | 0          | Turning                  |
| 202401077847 | 0        |       | 0.00  | 24   | 03    | 08  | 13   | Fri        | 2       | 0        | 0          | Turning                  |
| 202401077849 | 0        | TS56  | 12.21 | 24   | 03    | 08  | 13   | Fri        | 2       | 0        | 0          | Front to Rear            |
| 202401098178 | 0        |       | 0.00  | 24   | 03    | 30  | 12   | Sat        | 2       | 0        | 0          | Sideswipe Same Direction |
| 202401192391 | 0        |       | 0.00  | 24   | 06    | 17  | 11   | Mon        | 2       | 0        | 0          | Sideswipe Same Direction |
| 202401225231 | 0        |       | 0.00  | 24   | 07    | 16  | 17   | Tue        | 2       | 0        | 0          | Front to Rear            |

## Crash Data Knapp Dr and Larkin Ave/ Weber Rd

| CASE_ID      | WEATHER         | LIGHTING               | SURF_COND     | RD_DEFECT  | RD_FEATURE     | TRAF_CNTRL         | COUNTY | TOWNSHIP | TS_ROUTE |
|--------------|-----------------|------------------------|---------------|------------|----------------|--------------------|--------|----------|----------|
| 202301077165 | Clear           | Daylight               | Dry           | No Defects | Not Applicable | Stop Sign          | 099    | 00       | 0000     |
| 202301110917 | Clear           | Daylight               | Dry           | No Defects | Not Applicable | Stop Sign          | 099    | 00       | 0000     |
| 202301282965 | Rain            | Daylight               | Wet           | No Defects | Not Applicable | No Controls        | 099    | 00       | 0000     |
| 202301271330 | Clear           | Daylight               | Dry           | No Defects | Not Applicable | No Controls        | 099    | 00       | 0000     |
| 202301057195 | Clear           | Daylight               | Dry           |            | Not Applicable | No Controls        | 099    | 00       | 98       |
| 202301254860 | Rain            | Daylight               | Wet           | No Defects | Not Applicable | No Controls        | 099    | 00       | 0000     |
| 202301114798 | Rain            | Daylight               | Wet           | No Defects | Not Applicable | Delineators        | 099    | 00       | 0000     |
| 202301403610 | Clear           | Darkness               | Dry           | No Defects | Not Applicable | Stop Sign          | 099    | 00       | 0000     |
| 202301348591 | Clear           | Daylight               | Dry           |            | Not Applicable | Stop Sign          | 099    | 00       | 0000     |
| 202301420587 | Clear           | Darkness               | Dry           | No Defects | Not Applicable | Stop Sign          | 099    | 11       | 856      |
| 202301396406 | Clear           | Darkness, Lighted Road | Dry           | No Defects | Not Applicable | Stop Sign          | 099    | 00       | 0000     |
| 202301234501 | Rain            | Daylight               | Wet           |            | Not Applicable | No Controls        | 099    | 00       | 0000     |
| 202201029001 | Snow            | Daylight               | Snow or Slush | No Defects | Not Applicable | No Controls        | 099    | 00       | 98       |
| 202201034585 | Clear           | Daylight               | Dry           |            | Not Applicable | Other Warning Sign | 099    | 00       | 98       |
| 202201112944 | Rain            | Daylight               | Wet           | No Defects | Not Applicable | Delineators        | 099    | 00       | 98       |
| 202201139965 | Rain            | Daylight               | Wet           |            | Not Applicable | No Controls        | 099    | 00       | 98       |
| 202201319071 | Clear           | Daylight               | Dry           |            | Not Applicable | Stop Sign          | 099    | 00       | 98       |
| 202201391214 | Clear           | Daylight               | Dry           | No Defects | Not Applicable | No Controls        | 099    | 00       | 98       |
| 202001021463 | Clear           | Darkness, Lighted Road | Dry           | No Defects | Not Applicable | Stop Sign          | 099    | 11       | 0000     |
| 202001292509 | Clear           | Daylight               | Dry           |            | Not Applicable | No Controls        | 099    | 00       | 98       |
| 202001299397 | Clear           | Daylight               | Dry           | No Defects | Not Applicable | No Controls        | 099    | 00       | 98       |
| 202101031067 | Clear           | Darkness, Lighted Road | Dry           | No Defects | Not Applicable | No Controls        | 099    | 00       | 98       |
| 202101143024 | Rain            | Daylight               | Wet           | No Defects | Not Applicable | Stop Sign          | 099    | 00       | 98       |
| 202101240195 | Clear           | Daylight               | Dry           | No Defects | Not Applicable | Stop Sign          | 099    | 00       | 98       |
| 202101254166 | Clear           | Daylight               | Dry           | No Defects | Not Applicable | No Controls        | 099    | 00       | 98       |
| 202101263424 | Clear           | Daylight               | Dry           | No Defects | Not Applicable | No Controls        | 099    | 00       | 98       |
| 202101271146 | Clear           | Darkness, Lighted Road | Dry           | No Defects | Not Applicable | Stop Sign          | 099    | 00       | 98       |
| 202101277735 | Clear           | Daylight               | Dry           | No Defects | Not Applicable | No Controls        | 099    | 00       | 98       |
| 202101281295 | Rain            | Daylight               | Wet           | No Defects | Not Applicable | No Controls        | 099    | 00       | 98       |
| 202101353644 | Clear           | Darkness, Lighted Road | Dry           | No Defects | Not Applicable | Stop Sign          | 099    | 00       | 98       |
| 202101373693 | Clear           | Darkness, Lighted Road | Dry           | No Defects | Not Applicable | No Controls        | 099    | 00       | 98       |
| 202101388580 | Clear           | Daylight               | Dry           | No Defects | Not Applicable | No Controls        | 099    | 00       | 98       |
| 202101402274 | Clear           | Daylight               | Dry           | No Defects | Not Applicable | Stop Sign          | 099    | 00       | 98       |
| 202101417193 | Cloudy/Overcast | Darkness               | Wet           | No Defects | Not Applicable | Other              | 099    | 00       | 98       |
| 202401022464 | Clear           | Daylight               | Dry           | No Defects | Not Applicable | No Controls        | 099    | 00       | 0000     |
| 202401077847 | Rain            | Daylight               | Wet           | No Defects | Not Applicable | No Controls        | 099    | 00       | 0000     |
| 202401077849 | Rain            | Daylight               | Wet           | No Defects | Not Applicable | No Controls        | 099    | 11       | 856      |
| 202401098178 | Clear           | Daylight               | Dry           | No Defects | Not Applicable | No Controls        | 099    | 00       | 0000     |
| 202401192391 | Clear           | Daylight               | Dry           | No Defects | Not Applicable | No Controls        | 099    | 00       | 0000     |
| 202401225231 | Clear           | Daylight               | Dry           | Other      | Not Applicable | No Controls        | 099    | 00       | 0000     |

## Crash Data Knapp Dr and Larkin Ave/ Weber Rd

| CASE_ID      | CITY       | DRIVER_1       | VEH1_TYPE                    | VEH1_SPEC              | VEH1_DIR  | VEH1_MANUV            | VEH1_EVNT1               |
|--------------|------------|----------------|------------------------------|------------------------|-----------|-----------------------|--------------------------|
| 202301077165 | Crest Hill | Normal         | Passenger                    | Personal               | North     | Turning Right         | Motor Vehicle In Traffic |
| 202301110917 | Crest Hill | Normal         | Passenger                    | Personal               | North     | Slow/Stop In Traffic  | Motor Vehicle In Traffic |
| 202301282965 | Crest Hill | Normal         | Passenger                    | Personal               | South     | Straight Ahead        | Motor Vehicle In Traffic |
| 202301271330 | Crest Hill | Normal         | Passenger                    | Personal               | South     | Straight Ahead        | Motor Vehicle In Traffic |
| 202301057195 | Crest Hill | Normal         | Passenger                    | Personal               | South     | Straight Ahead        | Motor Vehicle In Traffic |
| 202301254860 | Crest Hill | Normal         | Passenger                    | Personal               | South     | Straight Ahead        | Motor Vehicle In Traffic |
| 202301114798 | Crest Hill | Normal         | Passenger                    | Personal               | South     | Slow/Stop In Traffic  | Motor Vehicle In Traffic |
| 202301403610 | Crest Hill | Normal         | Passenger                    | Personal               | North     | Straight Ahead        | Motor Vehicle In Traffic |
| 202301348591 | Crest Hill | Normal         | Passenger                    | Other                  | West      | Straight Ahead        | Motor Vehicle In Traffic |
| 202301420587 | Crest Hill | Normal         | Passenger                    | Personal               | North     | Straight Ahead        | Motor Vehicle In Traffic |
| 202301396406 | Crest Hill | Normal         | Passenger                    | Personal               | West      | Turning Left          | Ran Off Roadway          |
| 202301234501 | Crest Hill | Normal         | Pickup                       | Personal               | South     | Unknown               | Motor Vehicle In Traffic |
| 202201029001 | Crest Hill | Normal         | Passenger                    | Personal               | South     | Skidding/Control Loss | Ran Off Roadway          |
| 202201034585 | Crest Hill | Normal         | Passenger                    | Personal               | North     | Negotiating A Curve   | Ran Off Roadway          |
| 202201112944 | Crest Hill | Other/Unknown  | Passenger                    | Unknown                | South     | Straight Ahead        | Motor Vehicle In Traffic |
| 202201139965 | Crest Hill | Normal         | Van/Mini-Van                 | Personal               | South     | Straight Ahead        | Motor Vehicle In Traffic |
| 202201319071 | Crest Hill | Normal         | Passenger                    | Personal               | West      | Straight Ahead        | Motor Vehicle In Traffic |
| 202201391214 | Crest Hill | Removed By EMS | SUV                          | Personal               | South     | Straight Ahead        | Motor Vehicle In Traffic |
| 202001021463 | Crest Hill | Normal         | SUV                          | Personal               | West      | Slow/Stop In Traffic  | Motor Vehicle In Traffic |
| 202001292509 | Crest Hill | Normal         | Passenger                    | Personal               | South     | Straight Ahead        | Motor Vehicle In Traffic |
| 202001299397 | Crest Hill | Normal         | Pickup                       | Personal               | South     | Changing Lanes        | Motor Vehicle In Traffic |
| 202101031067 | Crest Hill | Other/Unknown  | Pickup                       | Personal               | South     | Turning Left          | Snowbank                 |
| 202101143024 | Crest Hill | Normal         | Passenger                    | Personal               | Northeast | Turning Left          | Motor Vehicle In Traffic |
| 202101240195 | Crest Hill | Normal         | Pickup                       | Personal               | Northwest | Straight Ahead        | Motor Vehicle In Traffic |
| 202101254166 | Crest Hill | Other/Unknown  | Tractor Without Semi-Trailer | Commercial-Single Unit | South     | Changing Lanes        | Motor Vehicle In Traffic |
| 202101263424 | Crest Hill | Normal         | Passenger                    | Personal               | South     | Straight Ahead        | Motor Vehicle In Traffic |
| 202101271146 | Crest Hill | Normal         | Passenger                    | Personal               | South     | Turning Left          | Curb                     |
| 202101277735 | Crest Hill | Normal         | Passenger                    | Personal               | South     | Straight Ahead        | Motor Vehicle In Traffic |
| 202101281295 | Crest Hill | Normal         | Passenger                    | Personal               | North     | Straight Ahead        | Motor Vehicle In Traffic |
| 202101353644 | Crest Hill | Other/Unknown  | Passenger                    | Personal               | Unknown   | Unknown               | Curb                     |
| 202101373693 | Crest Hill | Normal         | Passenger                    | Personal               | South     | Merging               | Motor Vehicle In Traffic |
| 202101388580 | Crest Hill | Normal         | Motorcycle                   | Personal               | North     | Skidding/Control Loss | Fell/Jumped from Vehicle |
| 202101402274 | Crest Hill | Normal         | Passenger                    | Personal               | South     | Changing Lanes        | Motor Vehicle In Traffic |
| 202101417193 | Crest Hill | Normal         | Passenger                    | Personal               | South     | Straight Ahead        | Motor Vehicle In Traffic |
| 202401022464 | Crest Hill | Emotional      | Passenger                    | Personal               | South     | Straight Ahead        | Motor Vehicle In Traffic |
| 202401077847 | Crest Hill | Normal         | SUV                          | Personal               | West      | Turning Right         | Motor Vehicle In Traffic |
| 202401077849 | Crest Hill | Normal         | SUV                          | Personal               | South     | Straight Ahead        | Motor Vehicle In Traffic |
| 202401098178 | Crest Hill | Normal         | Passenger                    | Personal               | South     | Changing Lanes        | Motor Vehicle In Traffic |
| 202401192391 | Crest Hill | Other/Unknown  | Passenger                    | Unknown                | South     | Other                 | Motor Vehicle In Traffic |
| 202401225231 | Crest Hill | Normal         | SUV                          | Personal               | South     | Straight Ahead        | Motor Vehicle In Traffic |

## Crash Data Knapp Dr and Larkin Ave/ Weber Rd

| CASE_ID      | VEH1_LOC1             | VEH1_EVNT2               | VEH1_LOC2            | VEH1_EVNT3     | VEH1_LOC3            | DRIVER_2 | VEH2_TYPE         | VEH2_SPECI |
|--------------|-----------------------|--------------------------|----------------------|----------------|----------------------|----------|-------------------|------------|
| 202301077165 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | Passenger         | Personal   |
| 202301110917 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | Passenger         | Personal   |
| 202301282965 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | Passenger         | Personal   |
| 202301271330 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | Passenger         | Personal   |
| 202301057195 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | Passenger         | Personal   |
| 202301254860 | Intersection          | Motor Vehicle In Traffic | Intersection         |                |                      | Normal   | Passenger         | Personal   |
| 202301114798 | Intersection          |                          |                      |                |                      | Normal   | Passenger         | Personal   |
| 202301403610 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | SUV               | Personal   |
| 202301348591 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | Passenger         | Personal   |
| 202301420587 | Intersection          |                          |                      |                |                      | Normal   | SUV               | Personal   |
| 202301396406 | Off Pavement - Right  | Ditch/Embankment         | Off Pavement - Right |                |                      |          |                   |            |
| 202301234501 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | Passenger         | Personal   |
| 202201029001 | Off Pavement - Right  | Ditch/Embankment         | End Departure        |                |                      |          |                   |            |
| 202201034585 | Off Pavement - Right  | Utility Pole             | Off Pavement - Right | Traffic Signal | Off Pavement - Right |          |                   |            |
| 202201112944 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | Passenger         | Personal   |
| 202201139965 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | Passenger         | Personal   |
| 202201319071 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | Passenger         | Personal   |
| 202201391214 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | Pickup            | Personal   |
| 202001021463 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | Passenger         | Personal   |
| 202001292509 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | Passenger         | Personal   |
| 202001299397 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | Passenger         | Personal   |
| 202101031067 | Intersection          |                          |                      |                |                      |          |                   |            |
| 202101143024 | Intersection          |                          |                      |                |                      | Normal   | SUV               | Personal   |
| 202101240195 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | Passenger         | Personal   |
| 202101254166 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | SUV               | Personal   |
| 202101263424 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | SUV               | Personal   |
| 202101271146 | Off Pavement - Right  |                          |                      |                |                      |          |                   |            |
| 202101277735 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | Passenger         | Personal   |
| 202101281295 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | Passenger         | Personal   |
| 202101353644 | Off Pavement - Right  |                          |                      |                |                      |          |                   |            |
| 202101373693 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | Pickup            | Personal   |
| 202101388580 | On Pavement (Roadway) |                          |                      |                |                      |          |                   |            |
| 202101402274 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | Passenger         | Personal   |
| 202101417193 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | Passenger         | Personal   |
| 202401022464 | Intersection          |                          |                      |                |                      | Normal   | Passenger         | Personal   |
| 202401077847 | Intersection          |                          |                      |                |                      | Normal   | Truck Single Unit | Other      |
| 202401077849 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | SUV               | Personal   |
| 202401098178 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | SUV               | Personal   |
| 202401192391 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | Passenger         | Personal   |
| 202401225231 | On Pavement (Roadway) |                          |                      |                |                      | Normal   | SUV               | Personal   |



## Crash Data Knapp Dr and Larkin Ave/ Weber Rd

| CASE_ID      | VEH2_DIR  | VEH2_MANUV           | VEH2_EVNT1               | VEH2_LOC1             | VEH2_EVNT2               | VEH2_LOC2             | VEH2_EVNT3 |
|--------------|-----------|----------------------|--------------------------|-----------------------|--------------------------|-----------------------|------------|
| 202301077165 | North     | Slow/Stop In Traffic | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202301110917 | North     | Starting In Traffic  | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202301282965 | South     | Straight Ahead       | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202301271330 | South     | Straight Ahead       | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202301057195 | South     | Straight Ahead       | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202301254860 | South     | Slow/Stop In Traffic | Motor Vehicle In Traffic | Intersection          |                          |                       |            |
| 202301114798 | South     | Straight Ahead       | Motor Vehicle In Traffic | Intersection          |                          |                       |            |
| 202301403610 | North     | Straight Ahead       | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202301348591 | West      | Straight Ahead       | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202301420587 | North     | Slow/Stop In Traffic | Motor Vehicle In Traffic | Intersection          |                          |                       |            |
| 202301396406 |           |                      |                          |                       |                          |                       |            |
| 202301234501 | South     | Straight Ahead       | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202201029001 |           |                      |                          |                       |                          |                       |            |
| 202201034585 |           |                      |                          |                       |                          |                       |            |
| 202201112944 | South     | Slow/Stop In Traffic | Motor Vehicle In Traffic | On Pavement (Roadway) | Motor Vehicle In Traffic | On Pavement (Roadway) |            |
| 202201139965 | South     | Slow/Stop In Traffic | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202201319071 | West      | Slow/Stop In Traffic | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202201391214 | South     | Slow/Stop In Traffic | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202001021463 | West      | Straight Ahead       | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202001292509 | South     | Slow/Stop In Traffic | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202001299397 | South     | Straight Ahead       | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202101031067 |           |                      |                          |                       |                          |                       |            |
| 202101143024 | Northwest | Straight Ahead       | Motor Vehicle In Traffic | Intersection          |                          |                       |            |
| 202101240195 | Northwest | Slow/Stop In Traffic | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202101254166 | South     | Straight Ahead       | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202101263424 | South     | Straight Ahead       | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202101271146 |           |                      |                          |                       |                          |                       |            |
| 202101277735 | South     | Slow/Stop In Traffic | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202101281295 | South     | Straight Ahead       | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202101353644 |           |                      |                          |                       |                          |                       |            |
| 202101373693 | South     | Straight Ahead       | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202101388580 |           |                      |                          |                       |                          |                       |            |
| 202101402274 | South     | Straight Ahead       | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202101417193 | South     | Slow/Stop In Traffic | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202401022464 | South     | Turning Left         | Motor Vehicle In Traffic | Intersection          |                          |                       |            |
| 202401077847 | South     | Straight Ahead       | Motor Vehicle In Traffic | Intersection          |                          |                       |            |
| 202401077849 | South     | Slow/Stop In Traffic | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202401098178 | South     | Straight Ahead       | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |
| 202401192391 | South     | Slow/Stop In Traffic | Motor Vehicle In Traffic | Intersection          |                          |                       |            |
| 202401225231 | South     | Slow/Stop In Traffic | Motor Vehicle In Traffic | On Pavement (Roadway) |                          |                       |            |

## Crash Data Knapp Dr and Larkin Ave/ Weber Rd

| CASE_ID      | VEH2_LOC3 | DRIVER_3 | VEH3_TYPE    | VEH3_SPECL | VEH3_DIR | VEH3_MANUV           | VEH3_EVNT1               | VEH3_LOC1             |
|--------------|-----------|----------|--------------|------------|----------|----------------------|--------------------------|-----------------------|
| 202301077165 |           |          |              |            |          |                      |                          |                       |
| 202301110917 |           |          |              |            |          |                      |                          |                       |
| 202301282965 |           | Normal   | Passenger    | Personal   | South    | Turning Left         | Motor Vehicle In Traffic | On Pavement (Roadway) |
| 202301271330 |           |          |              |            |          |                      |                          |                       |
| 202301057195 |           |          |              |            |          |                      |                          |                       |
| 202301254860 |           | Normal   | Passenger    | Personal   | North    | Straight Ahead       | Motor Vehicle In Traffic | Intersection          |
| 202301114798 |           |          |              |            |          |                      |                          |                       |
| 202301403610 |           |          |              |            |          |                      |                          |                       |
| 202301348591 |           |          |              |            |          |                      |                          |                       |
| 202301420587 |           |          |              |            |          |                      |                          |                       |
| 202301396406 |           |          |              |            |          |                      |                          |                       |
| 202301234501 |           |          |              |            |          |                      |                          |                       |
| 202201029001 |           |          |              |            |          |                      |                          |                       |
| 202201034585 |           |          |              |            |          |                      |                          |                       |
| 202201112944 |           | Normal   | Van/Mini-Van | Other      | South    | Slow/Stop In Traffic | Motor Vehicle In Traffic | On Pavement (Roadway) |
| 202201139965 |           |          |              |            |          |                      |                          |                       |
| 202201319071 |           |          |              |            |          |                      |                          |                       |
| 202201391214 |           |          |              |            |          |                      |                          |                       |
| 202001021463 |           |          |              |            |          |                      |                          |                       |
| 202001292509 |           |          |              |            |          |                      |                          |                       |
| 202001299397 |           |          |              |            |          |                      |                          |                       |
| 202101031067 |           |          |              |            |          |                      |                          |                       |
| 202101143024 |           |          |              |            |          |                      |                          |                       |
| 202101240195 |           |          |              |            |          |                      |                          |                       |
| 202101254166 |           |          |              |            |          |                      |                          |                       |
| 202101263424 |           |          |              |            |          |                      |                          |                       |
| 202101271146 |           |          |              |            |          |                      |                          |                       |
| 202101277735 |           |          |              |            |          |                      |                          |                       |
| 202101281295 |           |          |              |            |          |                      |                          |                       |
| 202101353644 |           |          |              |            |          |                      |                          |                       |
| 202101373693 |           |          |              |            |          |                      |                          |                       |
| 202101388580 |           |          |              |            |          |                      |                          |                       |
| 202101402274 |           | Normal   | Passenger    | Personal   | South    | Changing Lanes       | Motor Vehicle In Traffic | On Pavement (Roadway) |
| 202101417193 |           |          |              |            |          |                      |                          |                       |
| 202401022464 |           |          |              |            |          |                      |                          |                       |
| 202401077847 |           |          |              |            |          |                      |                          |                       |
| 202401077849 |           |          |              |            |          |                      |                          |                       |
| 202401098178 |           |          |              |            |          |                      |                          |                       |
| 202401192391 |           |          |              |            |          |                      |                          |                       |
| 202401225231 |           |          |              |            |          |                      |                          |                       |

## Crash Data Knapp Dr and Larkin Ave/ Weber Rd

| CASE_ID      | VEH3_EVNT2               | VEH3_LOC2             | VEH3_EVNT3 | VEH3_LOC3 | DRIVER_4 | VEH4_TYPE                    | VEH4_SPEC1            |
|--------------|--------------------------|-----------------------|------------|-----------|----------|------------------------------|-----------------------|
| 202301077165 |                          |                       |            |           |          |                              |                       |
| 202301110917 |                          |                       |            |           |          |                              |                       |
| 202301282965 |                          |                       |            |           |          |                              |                       |
| 202301271330 |                          |                       |            |           |          |                              |                       |
| 202301057195 |                          |                       |            |           |          |                              |                       |
| 202301254860 | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           | Normal   | Tractor Without Semi-Trailer | Commercial-Multi-Unit |
| 202301114798 |                          |                       |            |           |          |                              |                       |
| 202301403610 |                          |                       |            |           |          |                              |                       |
| 202301348591 |                          |                       |            |           |          |                              |                       |
| 202301420587 |                          |                       |            |           |          |                              |                       |
| 202301396406 |                          |                       |            |           |          |                              |                       |
| 202301234501 |                          |                       |            |           |          |                              |                       |
| 202201029001 |                          |                       |            |           |          |                              |                       |
| 202201034585 |                          |                       |            |           |          |                              |                       |
| 202201112944 |                          |                       |            |           |          |                              |                       |
| 202201139965 |                          |                       |            |           |          |                              |                       |
| 202201319071 |                          |                       |            |           |          |                              |                       |
| 202201391214 |                          |                       |            |           |          |                              |                       |
| 202001021463 |                          |                       |            |           |          |                              |                       |
| 202001292509 |                          |                       |            |           |          |                              |                       |
| 202001299397 |                          |                       |            |           |          |                              |                       |
| 202101031067 |                          |                       |            |           |          |                              |                       |
| 202101143024 |                          |                       |            |           |          |                              |                       |
| 202101240195 |                          |                       |            |           |          |                              |                       |
| 202101254166 |                          |                       |            |           |          |                              |                       |
| 202101263424 |                          |                       |            |           |          |                              |                       |
| 202101271146 |                          |                       |            |           |          |                              |                       |
| 202101277735 |                          |                       |            |           |          |                              |                       |
| 202101281295 |                          |                       |            |           |          |                              |                       |
| 202101353644 |                          |                       |            |           |          |                              |                       |
| 202101373693 |                          |                       |            |           |          |                              |                       |
| 202101388580 |                          |                       |            |           |          |                              |                       |
| 202101402274 |                          |                       |            |           |          |                              |                       |
| 202101417193 |                          |                       |            |           |          |                              |                       |
| 202401022464 |                          |                       |            |           |          |                              |                       |
| 202401077847 |                          |                       |            |           |          |                              |                       |
| 202401077849 |                          |                       |            |           |          |                              |                       |
| 202401098178 |                          |                       |            |           |          |                              |                       |
| 202401192391 |                          |                       |            |           |          |                              |                       |
| 202401225231 |                          |                       |            |           |          |                              |                       |

## Crash Data Knapp Dr and Larkin Ave/ Weber Rd

| CASE_ID      | VEH4_DIR | VEH4_MANUV     | VEH4_EVNT1               | VEH4_LOC1             | VEH4_EVNT2 | VEH4_LOC2 | VEH4_EVNT3 | VEH4_LOC3 |
|--------------|----------|----------------|--------------------------|-----------------------|------------|-----------|------------|-----------|
| 202301077165 |          |                |                          |                       |            |           |            |           |
| 202301110917 |          |                |                          |                       |            |           |            |           |
| 202301282965 |          |                |                          |                       |            |           |            |           |
| 202301271330 |          |                |                          |                       |            |           |            |           |
| 202301057195 |          |                |                          |                       |            |           |            |           |
| 202301254860 | North    | Straight Ahead | Motor Vehicle In Traffic | On Pavement (Roadway) |            |           |            |           |
| 202301114798 |          |                |                          |                       |            |           |            |           |
| 202301403610 |          |                |                          |                       |            |           |            |           |
| 202301348591 |          |                |                          |                       |            |           |            |           |
| 202301420587 |          |                |                          |                       |            |           |            |           |
| 202301396406 |          |                |                          |                       |            |           |            |           |
| 202301234501 |          |                |                          |                       |            |           |            |           |
| 202201029001 |          |                |                          |                       |            |           |            |           |
| 202201034585 |          |                |                          |                       |            |           |            |           |
| 202201112944 |          |                |                          |                       |            |           |            |           |
| 202201139965 |          |                |                          |                       |            |           |            |           |
| 202201319071 |          |                |                          |                       |            |           |            |           |
| 202201391214 |          |                |                          |                       |            |           |            |           |
| 202001021463 |          |                |                          |                       |            |           |            |           |
| 202001292509 |          |                |                          |                       |            |           |            |           |
| 202001299397 |          |                |                          |                       |            |           |            |           |
| 202101031067 |          |                |                          |                       |            |           |            |           |
| 202101143024 |          |                |                          |                       |            |           |            |           |
| 202101240195 |          |                |                          |                       |            |           |            |           |
| 202101254166 |          |                |                          |                       |            |           |            |           |
| 202101263424 |          |                |                          |                       |            |           |            |           |
| 202101271146 |          |                |                          |                       |            |           |            |           |
| 202101277735 |          |                |                          |                       |            |           |            |           |
| 202101281295 |          |                |                          |                       |            |           |            |           |
| 202101353644 |          |                |                          |                       |            |           |            |           |
| 202101373693 |          |                |                          |                       |            |           |            |           |
| 202101388580 |          |                |                          |                       |            |           |            |           |
| 202101402274 |          |                |                          |                       |            |           |            |           |
| 202101417193 |          |                |                          |                       |            |           |            |           |
| 202401022464 |          |                |                          |                       |            |           |            |           |
| 202401077847 |          |                |                          |                       |            |           |            |           |
| 202401077849 |          |                |                          |                       |            |           |            |           |
| 202401098178 |          |                |                          |                       |            |           |            |           |
| 202401192391 |          |                |                          |                       |            |           |            |           |
| 202401225231 |          |                |                          |                       |            |           |            |           |



## Crash Data Knapp Dr and Larkin Ave/ Weber Rd

| CASE_ID      | DUP_CD        | REC_TYPE | XCOORD              | YCOORD              | INTERSEC | SFE        | AGENCY_NUM | RUNDATE    | WorkZone |
|--------------|---------------|----------|---------------------|---------------------|----------|------------|------------|------------|----------|
| 202301077165 | 0990000000.00 | PD       | 2856148.22134000000 | 1788057.58101000000 | Y        | X002949561 | 11295      | 2024062404 | N        |
| 202301110917 | 0990000000.00 | PD       | 2856148.22134000000 | 1788057.58101000000 | Y        | X002982573 | 11295      | 2024062404 | N        |
| 202301282965 | 0990000000.00 | B-Injury | 2856149.89299000000 | 1788054.78689000000 | N        | X003143563 | 11295      | 2024062404 | N        |
| 202301271330 | 0990000000.00 | PD       | 2856149.89299000000 | 1788054.78689000000 | N        | X003132713 | 11295      | 2024062404 | N        |
| 202301057195 | 09998000.01   | PD       | 2856148.22134000000 | 1788057.58101000000 | Y        | X002931852 | 11295      | 2024062404 | N        |
| 202301254860 | 0990000000.00 | B-Injury | 2856149.89299000000 | 1788054.78689000000 | Y        | X003117050 | 11295      | 2024062404 | N        |
| 202301114798 | 0990000000.00 | PD       | 2856148.22134000000 | 1788057.58101000000 | Y        | X002986455 | 11295      | 2024062404 | N        |
| 202301403610 | 0990000000.00 | PD       | 2856149.89299000000 | 1788054.78689000000 | Y        | X003256726 | 11295      | 2024062404 | N        |
| 202301348591 | 0990000000.00 | PD       | 2856149.89299000000 | 1788054.78689000000 | Y        | X003204467 | 11295      | 2024062404 | N        |
| 202301420587 | 099856012.21  | PD       | 2856123.00234000000 | 1788082.52249000000 | Y        | X003271617 | 11295      | 2024062404 | N        |
| 202301396406 | 0990000000.00 | B-Injury | 2856149.89299000000 | 1788054.78689000000 | Y        | X003249719 | 11295      | 2024062404 | N        |
| 202301234501 | 0990000000.00 | PD       | 2856148.22134000000 | 1788057.58101000000 | N        | X003098415 | 11295      | 2024062404 | N        |
| 202201029001 | 09998000.01   | PD       | 2856148.22134000000 | 1788057.58101000000 | N        | X002513380 | 11295      | 2023090404 | N        |
| 202201034585 | 09998000.01   | B-Injury | 2856148.22134000000 | 1788057.58101000000 | N        | X002518923 | 11295      | 2023090404 | N        |
| 202201112944 | 09998000.01   | PD       | 2856148.22134000000 | 1788057.58101000000 | Y        | X002591428 | 11295      | 2023090404 | N        |
| 202201139965 | 09998000.01   | PD       | 2856148.22134000000 | 1788057.58101000000 | Y        | X002617050 | 11295      | 2023090404 | N        |
| 202201319071 | 09998000.01   | PD       | 2856148.22134000000 | 1788057.58101000000 | Y        | X002782074 | 11295      | 2023090404 | N        |
| 202201391214 | 09998000.01   | C-Injury | 2856148.22134000000 | 1788057.58101000000 | Y        | X002849094 | 11295      | 2023090404 | N        |
| 202001021463 | 0990000000.00 | PD       | 2856122.98424000000 | 1788082.50462000000 | Y        | X001815132 | 11295      | 2023080704 | N        |
| 202001292509 | 09998000.01   | PD       | 2856148.22134000000 | 1788057.58101000000 | Y        | X002063912 | 11295      | 2023080704 | N        |
| 202001299397 | 09998000.01   | PD       | 2856148.22134000000 | 1788057.58101000000 | Y        | X002069632 | 11295      | 2023080704 | N        |
| 202101031067 | 09998000.01   | PD       | 2856148.22134000000 | 1788057.58101000000 | N        | X002136309 | 11295      | 2023080704 | N        |
| 202101143024 | 09998000.01   | PD       | 2856148.22134000000 | 1788057.58101000000 | Y        | X002238534 | 11295      | 2023080704 | N        |
| 202101240195 | 09998000.01   | PD       | 2856148.22134000000 | 1788057.58101000000 | Y        | X002325144 | 11295      | 2023080704 | N        |
| 202101254166 | 09998000.01   | PD       | 2856148.22134000000 | 1788057.58101000000 | N        | X002338923 | 11295      | 2023080704 | N        |
| 202101263424 | 09998000.01   | PD       | 2856148.22134000000 | 1788057.58101000000 | Y        | X002347163 | 11295      | 2023080704 | Y        |
| 202101271146 | 09998000.01   | PD       | 2856148.22134000000 | 1788057.58101000000 | Y        | X002353688 | 11295      | 2023080704 | N        |
| 202101277735 | 09998000.01   | C-Injury | 2856148.22134000000 | 1788057.58101000000 | Y        | X002359347 | 11295      | 2023080704 | N        |
| 202101281295 | 09998000.01   | B-Injury | 2856148.22134000000 | 1788057.58101000000 | N        | X002362614 | 11295      | 2023080704 | N        |
| 202101353644 | 09998000.01   | PD       | 2856148.22134000000 | 1788057.58101000000 | N        | X002428230 | 11295      | 2023080704 | N        |
| 202101373693 | 09998000.01   | PD       | 2856148.22134000000 | 1788057.58101000000 | Y        | X002447003 | 11295      | 2023080704 | N        |
| 202101388580 | 09998000.01   | B-Injury | 2856148.22134000000 | 1788057.58101000000 | N        | X002460251 | 11295      | 2023080704 | N        |
| 202101402274 | 09998000.01   | PD       | 2856148.22134000000 | 1788057.58101000000 | Y        | X002472172 | 11295      | 2023080704 | N        |
| 202101417193 | 09998000.01   | C-Injury | 2856148.22134000000 | 1788057.58101000000 | Y        | X002485083 | 11295      | 2023080704 | N        |
| 202401022464 | 0990000000.00 | B-Injury | 2856149.89299000000 | 1788054.78689000000 | Y        | X003291181 | 11295      | 2025072804 | N        |
| 202401077847 | 0990000000.00 | PD       | 2856149.89299000000 | 1788054.78689000000 | Y        | X003346086 | 11295      | 2025072804 | N        |
| 202401077849 | 099856012.21  | PD       | 2856123.31792000000 | 1788082.83410000000 | N        | X003346088 | 11295      | 2025072804 | N        |
| 202401098178 | 0990000000.00 | PD       | 2856149.03003000000 | 1788091.22604000000 | N        | X003366130 | 11295      | 2025072804 | N        |
| 202401192391 | 0990000000.00 | PD       | 2856149.03003000000 | 1788091.22604000000 | Y        | X003455089 | 11295      | 2025072804 | Y        |
| 202401225231 | 0990000000.00 | PD       | 2856149.03003000000 | 1788091.22604000000 | N        | X003485680 | 11295      | 2025072804 | Y        |

## Crash Data Knapp Dr and Larkin Ave/ Weber Rd

| CASE_ID      | WorkZoneTy             | WorkersPre | ExceedSpee | CellPhoneU | TSCrashLat     | TSCrashLon      | CrashDateT                 |
|--------------|------------------------|------------|------------|------------|----------------|-----------------|----------------------------|
| 202301077165 | (N/A)                  | N          | N          | N          | 41.55790000000 | -88.12210000000 | 20230309164600.00000000000 |
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| 202301282965 | (N/A)                  | N          | N          | N          | 41.55790000000 | -88.12210000000 | 20230907084200.00000000000 |
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| 202301057195 | (N/A)                  | N          | N          | N          | 41.55790000000 | -88.12210000000 | 20230220135000.00000000000 |
| 202301254860 | (N/A)                  | N          | N          | N          | 41.55790000000 | -88.12210000000 | 20230814122300.00000000000 |
| 202301114798 | (N/A)                  | N          | N          | N          | 41.55790000000 | -88.12210000000 | 20230416151700.00000000000 |
| 202301403610 | (N/A)                  | N          | N          | N          | 41.55790000000 | -88.12210000000 | 20231213192600.00000000000 |
| 202301348591 | (N/A)                  | N          | N          | N          | 41.55790000000 | -88.12210000000 | 20231030141400.00000000000 |
| 202301420587 | (N/A)                  | N          | N          | N          | 41.55797004750 | -88.12218993330 | 20231227191600.00000000000 |
| 202301396406 | (N/A)                  | N          | N          | N          | 41.55790000000 | -88.12210000000 | 20231207165800.00000000000 |
| 202301234501 | (N/A)                  | N          | N          | N          | 41.55790000000 | -88.12210000000 | 20230728070800.00000000000 |
| 202201029001 | (N/A)                  | N          | N          | N          | 41.55790000000 | -88.12210000000 | 20220123075000.00000000000 |
| 202201034585 | (N/A)                  | N          | N          | N          | 41.55790000000 | -88.12210000000 | 20220127090000.00000000000 |
| 202201112944 | (N/A)                  | N          | N          | N          | 41.55790000000 | -88.12210000000 | 20220408132000.00000000000 |
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| 202201319071 | (N/A)                  | N          | N          | N          | 41.55790000000 | -88.12210000000 | 20221006093100.00000000000 |
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| 202001292509 | (N/A)                  | N          | N          | N          | 41.55790000000 | -88.12210000000 | 20201104103000.00000000000 |
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| 202101254166 | (N/A)                  | N          | N          | N          | 41.55790000000 | -88.12210000000 | 20210816031500.00000000000 |
| 202101263424 | Construction Work Zone | Y          | N          | N          | 41.55790000000 | -88.12210000000 | 20210824143200.00000000000 |
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| 202101281295 | (N/A)                  | N          | N          | N          | 41.55790000000 | -88.12210000000 | 20210907152600.00000000000 |
| 202101353644 | (N/A)                  | N          | N          | N          | 41.55790000000 | -88.12210000000 | 20211031031000.00000000000 |
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| 202401077847 | (N/A)                  | N          | N          | N          | 41.55790000000 | -88.12210000000 | 20240308133800.00000000000 |
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| 202401192391 | Construction Work Zone | N          | N          | N          | 41.55800000000 | -88.12210000000 | 20240617110500.00000000000 |
| 202401225231 | Construction Work Zone | N          | N          | N          | 41.55800000000 | -88.12210000000 | 20240716172200.00000000000 |

**Appendix 7**  
**(KLOA July 2025 TIS - Trip Generation Data)**



**CHRISTOPHER B. BURKE** ENGINEERING, LTD.

9575 W Higgins Road, Suite 600 Rosemont, Illinois 60018-4920 Tel (847) 823-0500 Fax (847) 823-0520

# Traffic Impact Study

## Proposed QuikTrip Convenience Store

Crest Hill, Illinois

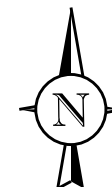


Prepared For:

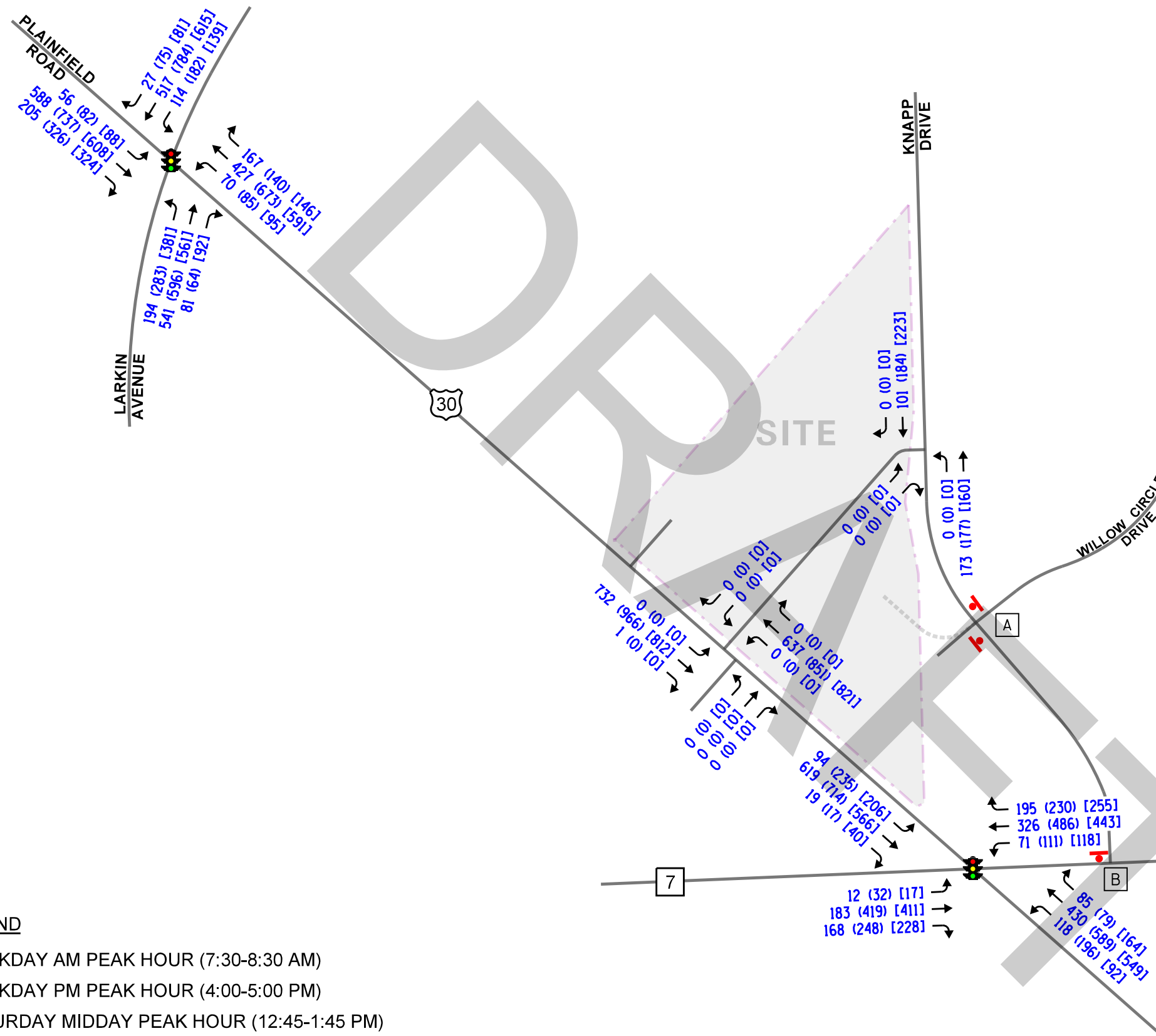
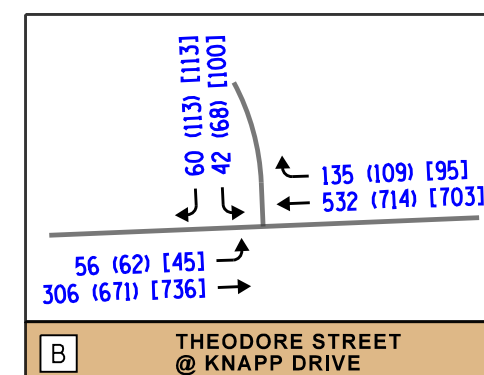
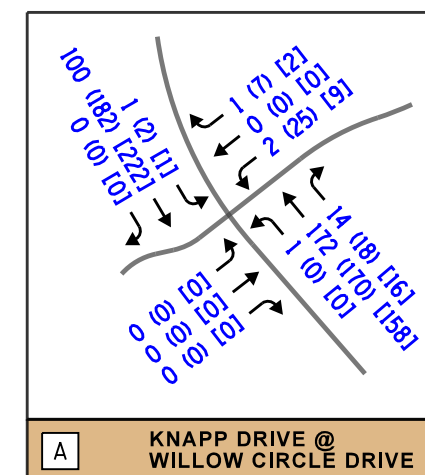


July 31, 2025





NOT TO SCALE



**LEGEND**

- 00 - WEEKDAY AM PEAK HOUR (7:30-8:30 AM)
- (00) - WEEKDAY PM PEAK HOUR (4:00-5:00 PM)
- [00] - SATURDAY MIDDAY PEAK HOUR (12:45-1:45 PM)

QUIKTRIP CONVENIENCE STORE  
CREST HILL, ILLINOIS

EXISTING TRAFFIC VOLUMES



Job No: 24-200

Figure: 4

### 3. Traffic Characteristics of the Proposed Development

In order to properly evaluate future traffic conditions in the surrounding area, it was necessary to determine the traffic characteristics of the proposed development, including the directional distribution and volumes of traffic that it will generate.

#### Proposed Development Plan

As proposed, the site is proposed to be developed with a QuikTrip Convenience Store that is to contain the following:

- Sixteen (16) passenger vehicle fueling positions
- An approximately 5,312 square-foot convenience store

In addition, the north parcel of the site will be developed in the future with a retail use. For the purposes of this study, it was assumed that the parcel will contain an approximately 3,000 square-foot fast-food restaurant with a drive-through lane. It should be noted that a fast-food restaurant typically generates a higher volume of traffic than other retail uses that could occupy this site, and, as such, provides for a conservative analysis. A copy of the proposed site plan is included in the Appendix.

#### Site Access

Access to the development site will be provided via the following two access drives:

- A full movement access drive on Plainfield Road located approximately 665 feet west of Theodore Street.
  - The access drive will provide one inbound lane and one outbound lane.
  - Outbound movements should be placed under stop sign control.
  - Inbound left-turn movements can be accommodated within the existing two-way left-turn lane median on Plainfield Road.
  - This access drive will be part of a permanent access easement between the south parcel (convenience store site) and the north parcel (future commercial use).
  - The access drive is located as far west as practically possible within the site area.
- A right-in/right-out access drive on Plainfield Road located approximately 465 feet west of Theodore Street.
  - The access drive will provide one inbound lane and one outbound lane
  - Left-turn movements will be restricted via striping, signage, and channelization.
  - Outbound movements should be placed under stop sign control.

- A full movement access drive on Knapp Drive located approximately 440 feet north of Theodore Street aligned opposite Willow Circle Drive.
  - The access drive will continue to provide one inbound lane and two outbound lanes striped for a shared left-turn/through lane and an exclusive right-turn lane.
  - Outbound movements will continue to be under stop sign control.

It should be noted that the proposed access system will replace the existing access system serving the site which consists of two full movement access drives on Plainfield Road and two full movement access drives on Knapp Drive.

### Directional Distribution

The directional distribution of future site-generated trips on the roadway system is a function of several variables, including the operational characteristics of the roadway system and the ease with which drivers can travel over various sections of the roadway system. This is particularly true for pass-by traffic. The directions from which patrons and employees of the proposed development will approach and depart the site are illustrated in **Figure 5**. Figure 5 also shows the distances between the existing and proposed access intersections.

### Peak Hour Traffic Volumes

The number of peak hour trips estimated to be generated by the proposed development was based on vehicle trip generation rates contained in *Trip Generation Manual*, 11<sup>th</sup> Edition, published by the Institute of Transportation Engineers (ITE). The “Convenience Store/Gas Station” (Land-Use Code 945) rate was used for the passenger vehicle fueling positions and convenience store and the “Fast-Food Restaurant with Drive-Through Window” (Land-Use Code 934) rate was used for the restaurant.

It is important to note that surveys conducted by ITE have shown that approximately 60 percent of trips made to gas stations, fuel centers, and convenience stores are diverted from the existing traffic on the roadway system as well as approximately 50 percent of trips made to fast-food restaurants with drive-throughs. This is particularly true during the weekday morning and weekday evening peak hours when traffic is diverted from the home-to-work and work-to-home trips. As such, the number of new trips to be generated by the development were reduced to account for pass-by traffic.

**Table 4** summarizes the trips projected to be generated by the proposed development during the peak hours.

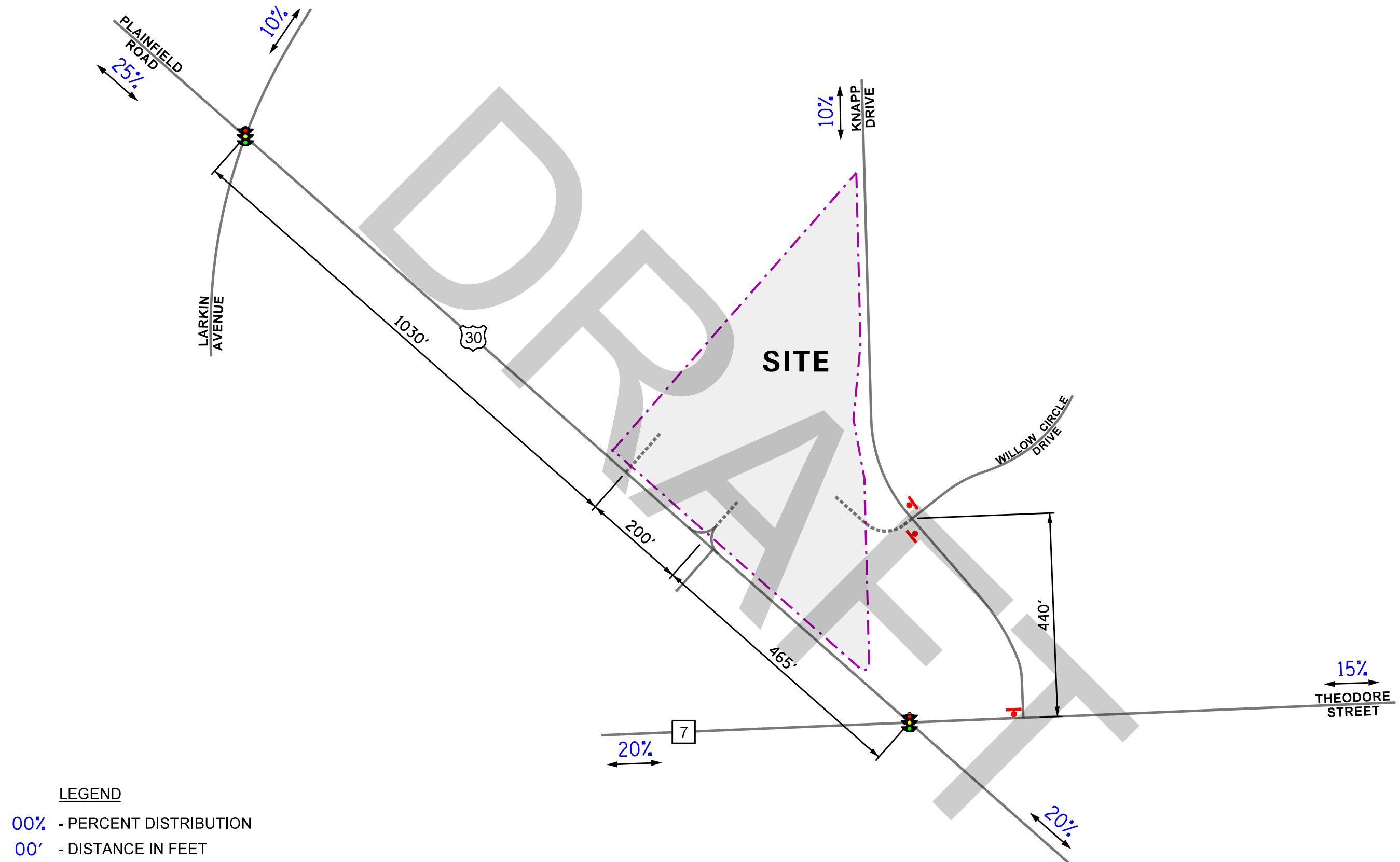
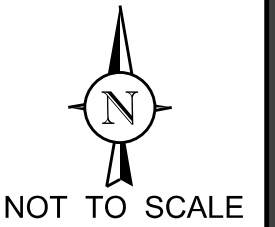




Table 4

## ESTIMATED PEAK HOUR VEHICLE TRIP GENERATION

| ITE<br>Land<br>Use<br>Code | Type/Size                                                | Weekday Morning<br>Peak Hour |            |            | Weekday Evening<br>Peak Hour |            |            | Saturday Midday<br>Peak Hour |            |            |
|----------------------------|----------------------------------------------------------|------------------------------|------------|------------|------------------------------|------------|------------|------------------------------|------------|------------|
|                            |                                                          | In                           | Out        | Total      | In                           | Out        | Total      | In                           | Out        | Total      |
| 945                        | Convenience Store<br>(16 positions,<br>5,312 s.f. Store) | 216                          | 217        | 433        | 182                          | 182        | 364        | 167                          | 160        | 327        |
|                            | <i>Pass-By Reduction (60%)</i>                           | -130                         | -130       | -260       | -109                         | -109       | -218       | -98                          | -98        | -196       |
|                            | <b>New Convenience Store<br/>Trips</b>                   | <b>86</b>                    | <b>87</b>  | <b>173</b> | <b>73</b>                    | <b>73</b>  | <b>146</b> | <b>69</b>                    | <b>62</b>  | <b>131</b> |
| 934                        | Fast-Food<br>Restaurant<br>(3,000 s.f.)                  | 68                           | 66         | 134        | 52                           | 47         | 99         | 85                           | 81         | 166        |
|                            | <i>Pass-By Reduction (50%)</i>                           | -34                          | -34        | -68        | -35                          | -35        | -50        | -42                          | -42        | -84        |
|                            | <b>New Restaurant Trips</b>                              | <b>34</b>                    | <b>32</b>  | <b>66</b>  | <b>27</b>                    | <b>22</b>  | <b>49</b>  | <b>43</b>                    | <b>39</b>  | <b>82</b>  |
|                            | Development New Trips                                    | 120                          | 119        | 239        | 100                          | 95         | 195        | 112                          | 101        | 213        |
|                            | Development Pass-by Trips                                | 164                          | 164        | 328        | 144                          | 144        | 268        | 140                          | 140        | 280        |
|                            | <b>Total Development Trips</b>                           | <b>284</b>                   | <b>283</b> | <b>567</b> | <b>234</b>                   | <b>229</b> | <b>463</b> | <b>252</b>                   | <b>241</b> | <b>493</b> |

## 4. Projected Traffic Conditions

The total projected traffic volumes include the existing traffic volumes, increase in background traffic due to growth, and the traffic estimated to be generated by the proposed development.

### Site Traffic Assignment

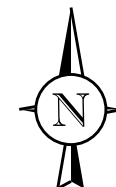
The estimated weekday morning and weekday evening traffic volumes that will be generated by the proposed development were assigned to the roadway system in accordance with the previously described directional distribution (Figure 5). **Figure 6** illustrates the traffic assignment of new vehicle trips and the pass-by traffic assignment is illustrated in **Figure 7**. To provide a conservative analysis of the site access drives, no traffic was assumed to use the cross access connection.

### Background (No-Build) Traffic Volumes

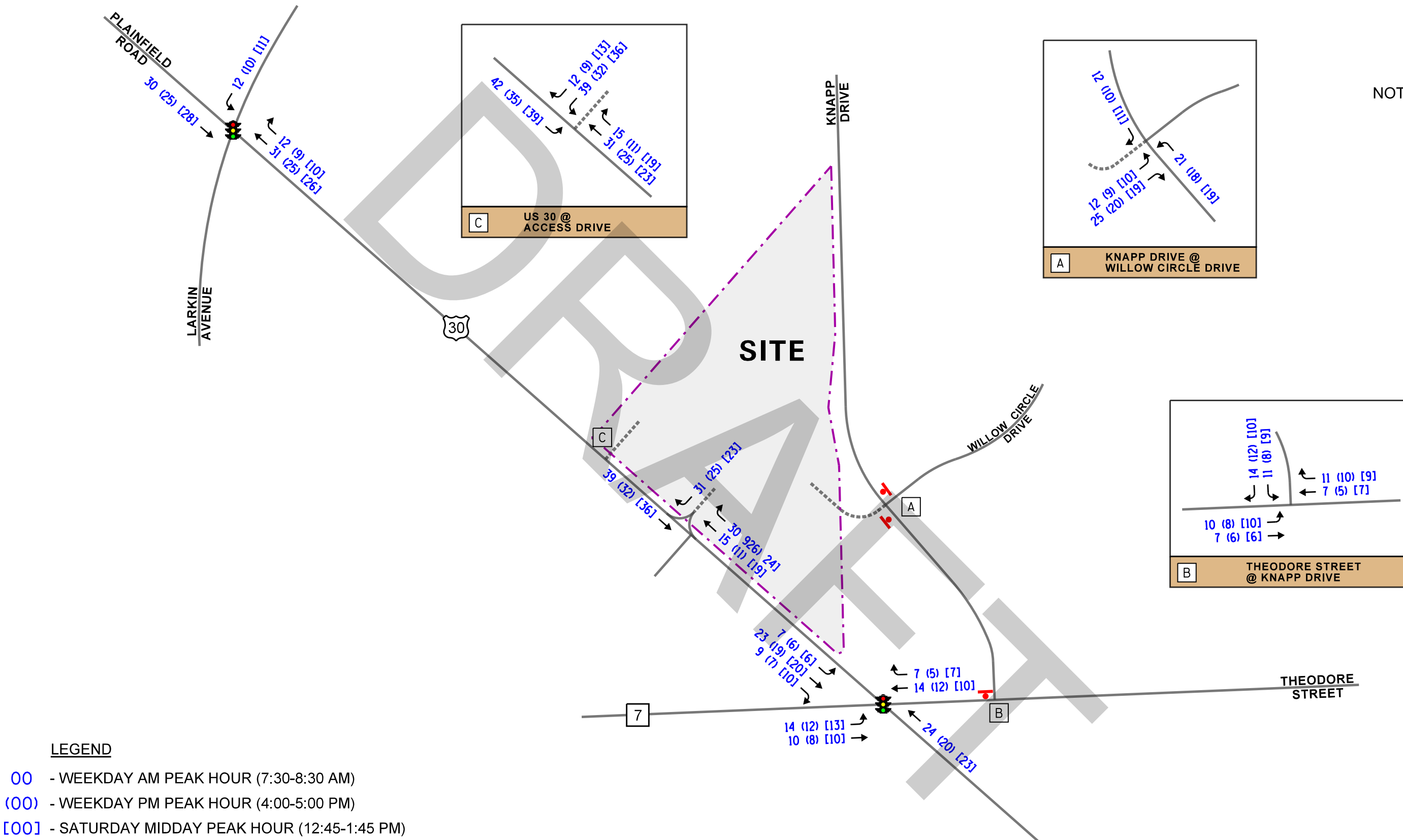
Under no-build and total projected conditions, the existing traffic volumes (Figure 4) were increased by a regional growth factor to account for the increase in existing traffic related to regional growth in the area (i.e., not attributable to any particular planned development). Based on AADT projections provided by the Chicago Metropolitan Agency for Planning (CMAP), the area roadways are projected to experience a compounded growth rate of approximately 0.6 percent per year. As such, a total background growth of 3.7 was added to project Year 2030 conditions. A copy of the CMAP projections letter is included in the Appendix. The Year 2030 no-build traffic volumes are illustrated in **Figure 8**.

### Total Projected Traffic Volumes

The total projected traffic volumes include the existing Year 2030 volumes (Figure 8) and the volume of traffic expected to be generated by the proposed development (Figures 6 and 7). The Year 2030 total projected traffic volumes are illustrated in **Figure 9**.

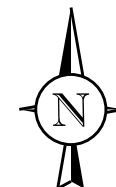


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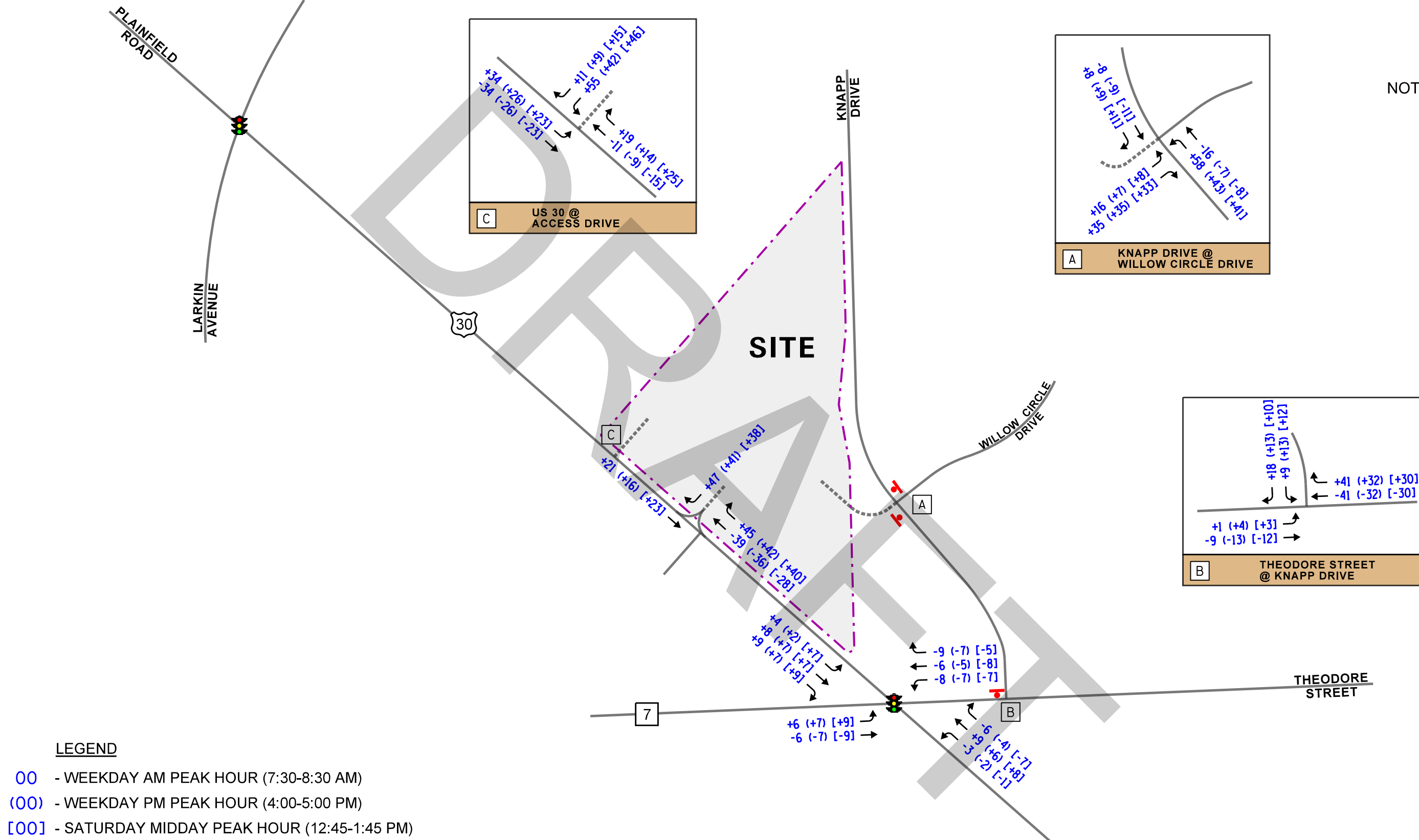


QUIKTRIP CONVENIENCE STORE  
CREST HILL, ILLINOIS

NEW SITE TRAFFIC VOLUMES



NOT TO SCALE



**LEGEND**

- 00 - WEEKDAY AM PEAK HOUR (7:30-8:30 AM)
- (00) - WEEKDAY PM PEAK HOUR (4:00-5:00 PM)
- [00] - SATURDAY MIDDAY PEAK HOUR (12:45-1:45 PM)

QUIKTRIP CONVENIENCE STORE  
CREST HILL, ILLINOIS

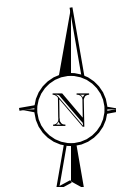
PASS-BY TRAFFIC VOLUMES



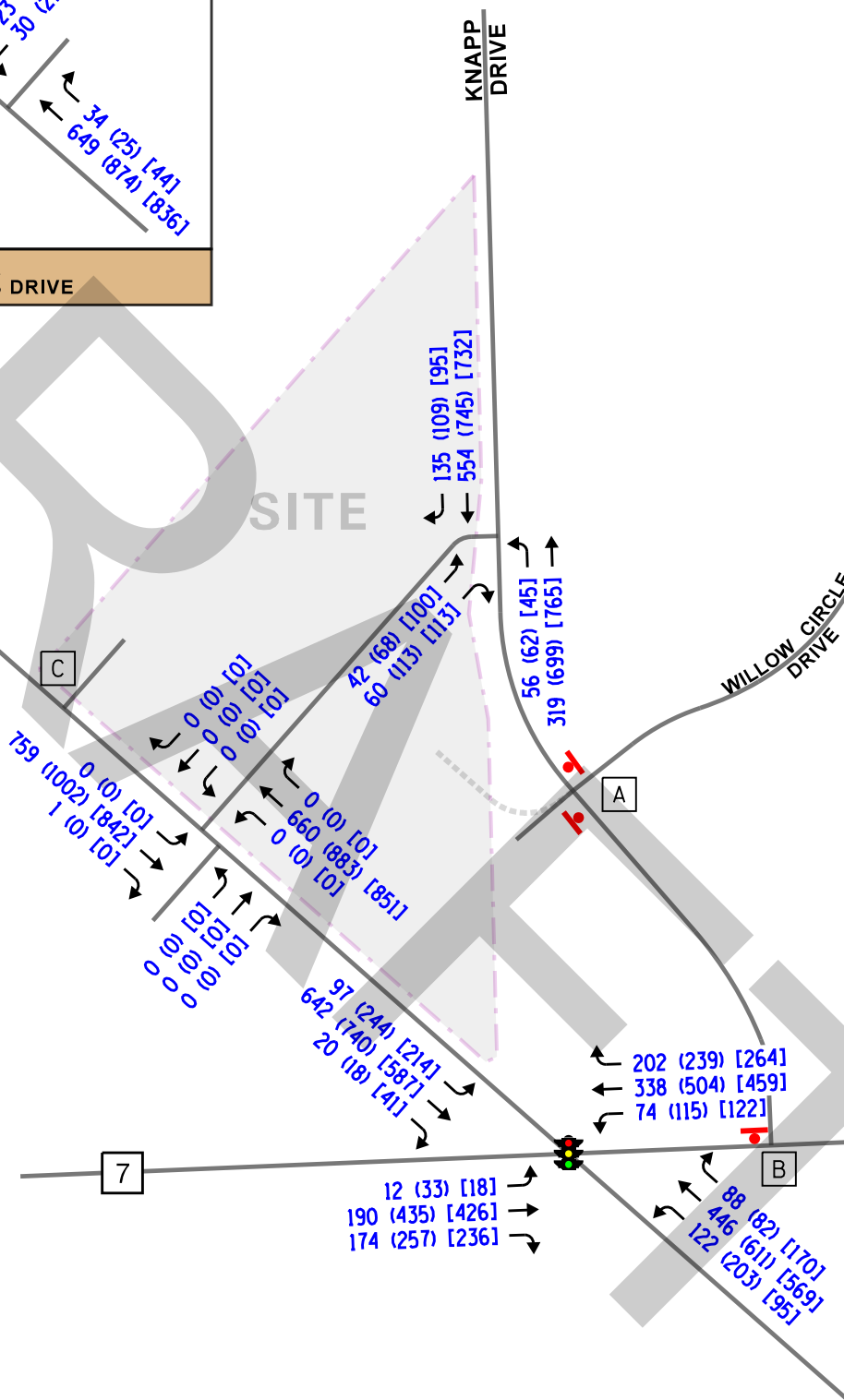
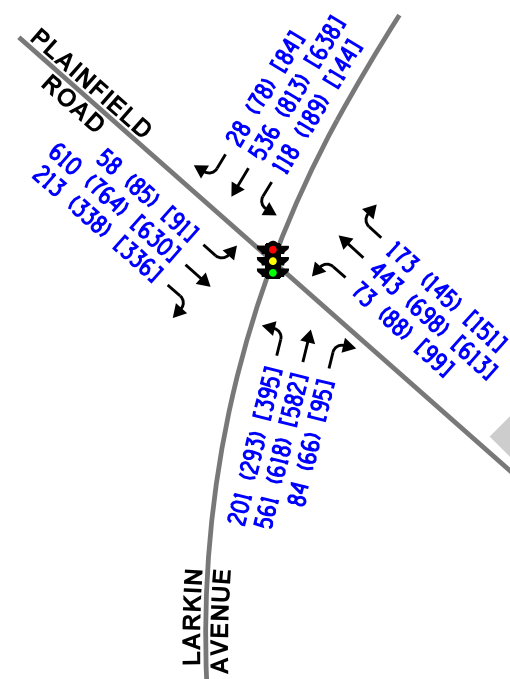
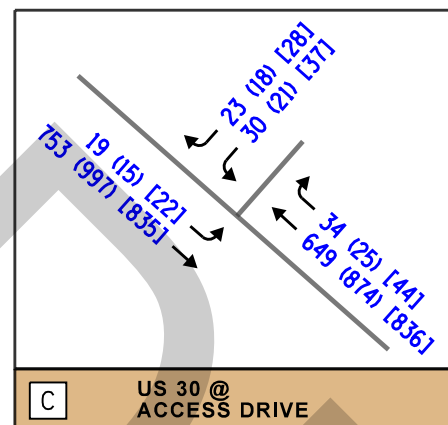
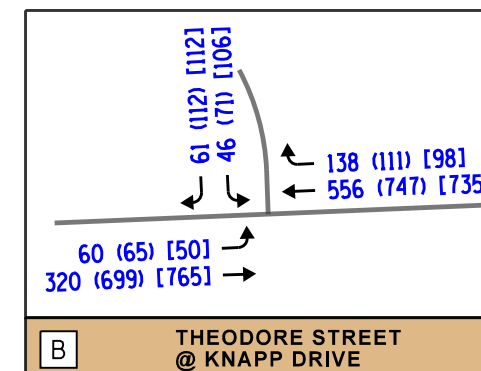
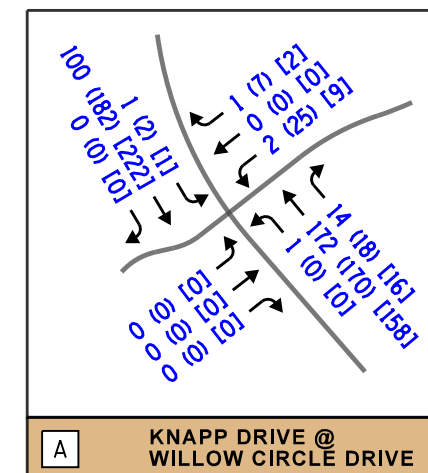
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Figure: 7





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### LEGEND

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- [00] - SATURDAY MIDDAY PEAK HOUR (12:45-1:45 PM)

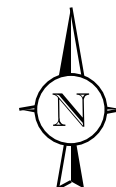
QUIKTRIP CONVENIENCE STORE  
CREST HILL, ILLINOIS

YEAR 2030 NO-BUILD TRAFFIC VOLUMES

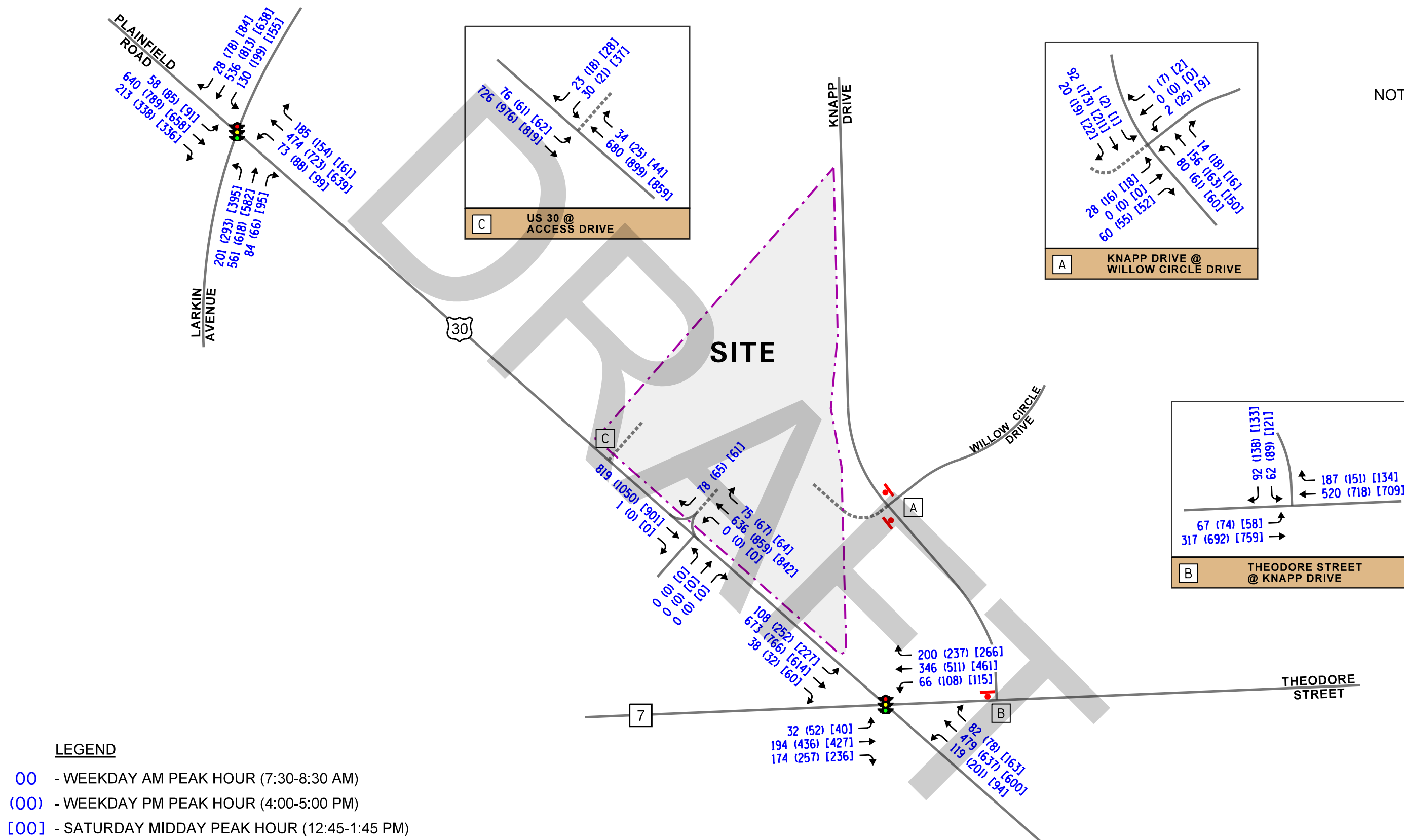


Job No: 24-200

Figure: 8



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QUIKTRIP CONVENIENCE STORE  
CREST HILL, ILLINOIS

YEAR 2030 TOTAL TRAFFIC VOLUMES



Job No: 24-200

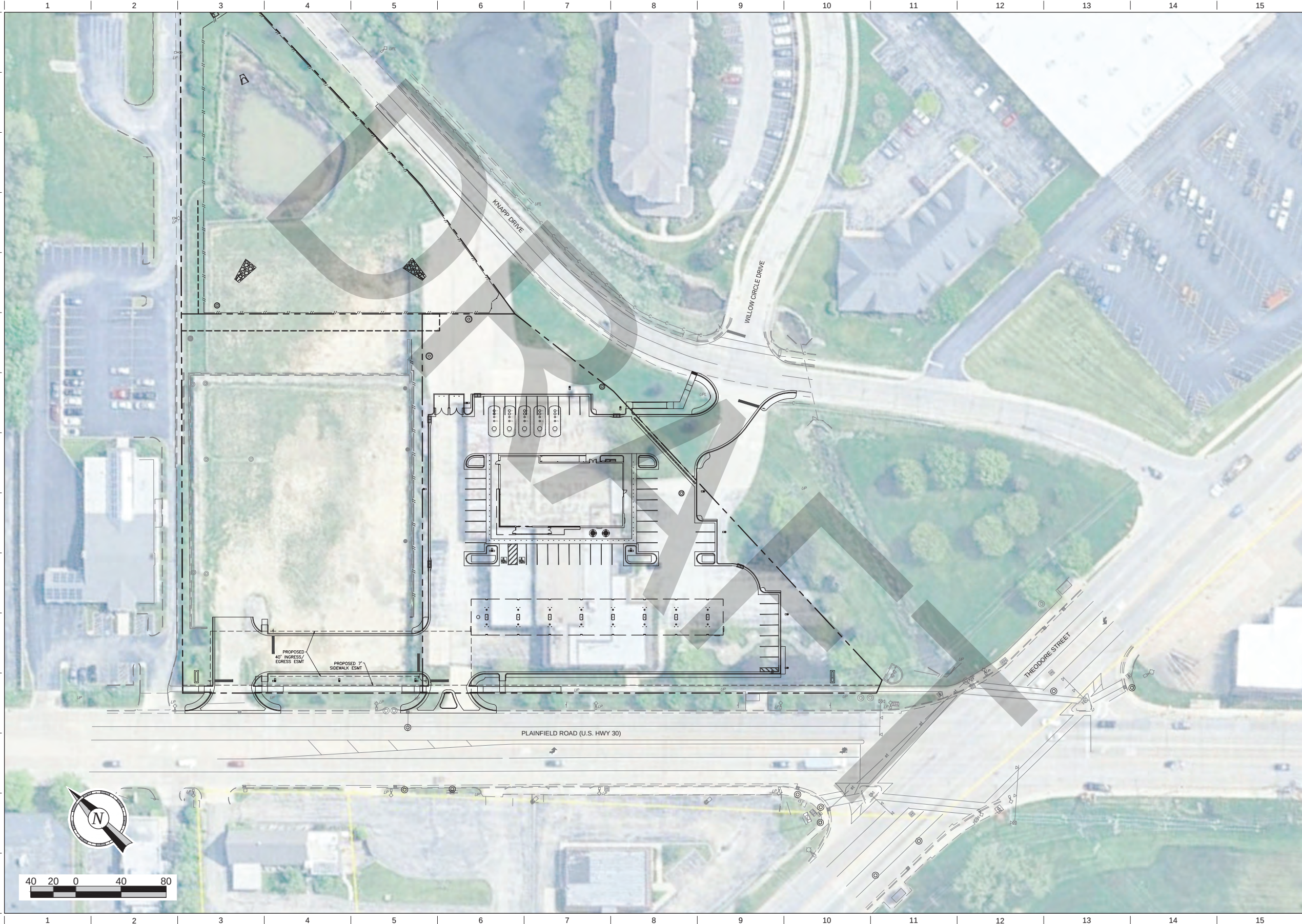
Figure: 9

DRAFT

Site Plan



FILE LOCATION: C:\Civil 3D Projects\014452 Crest Hill, IL\89-4452 Civil.dwg TAB NAME: Site TIS USER: dphol SAVED: 4/22/2025 6:04 PM PLOTTED: 4/22/2025 6:11 PM



PROJECT NO.: 89-4452

**QuikTrip No. 4452**  
1610 PLAINFIELD ROAD  
CREST HILL, WILL COUNTY, ILLINOIS 60403



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PROTOTYPE: P-121  
DIVISION: 89  
VERSION: 001  
DESIGNED BY: DKH  
DRAWN BY: CSH  
REVIEWED BY: CJC

| REV | DATE | DESCRIPTION |
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ORIGINAL ISSUE DATE: 02/27/2025

SHEET TITLE:

SITE PLAN

SHEET NUMBER:

C100



# CMAP 2050 Projections Letter



August 13, 2024

Ryan May  
Project Coordinator  
Kenig, Lindgren, O'Hara and Aboona, Inc.  
9575 West Higgins Road  
Suite 400  
Rosemont, IL 60018

**Subject: Plainfield Road @ Larkin Avenue and @ Theodore Street**  
IDOT

Dear Ms. May:

In response to a request made on your behalf and dated August 9, 2024, we have developed year 2050 average daily traffic (ADT) projections for the subject location.

| ROAD SEGMENT                      | Current ADT (2023) | Year 2050 ADT |
|-----------------------------------|--------------------|---------------|
| Larkin Ave E of Plainfield Rd     | 21,100             | 26,100        |
| Larkin Ave W of Plainfield Rd     | 24,800             | 30,700        |
| Plainfield Rd, @ Larkin Ave       | 19,900             | 23,000        |
| Theodore St east of Plainfield Rd | 15,600             | 18,000        |
| Theodore St west of Plainfield Rd | 12,600             | 14,500        |

Traffic projections are developed using existing ADT data provided in the request letter and the results from the June 2024 CMAP Travel Demand Analysis. The regional travel model uses CMAP 2050 socioeconomic projections and assumes the implementation of the ON TO 2050 Comprehensive Regional Plan for the Northeastern Illinois area. The provision of this data in support of your request does not constitute a CMAP endorsement of the proposed development or any subsequent developments.

If you have any questions, please call me at (312) 386-8806 or email me at [jrodriguez@cmap.illinois.gov](mailto:jrodriguez@cmap.illinois.gov)

Jose Rodriguez, PTP, AICP  
Senior Planner, Research & Analysis



NAPERVILLE  
114 East Van Buren Avenue  
Naperville, IL 60540  
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Writer's Direct Dial  
Writer's Email

(630) 369-2700  
[rrb@kmlegal.com](mailto:rrb@kmlegal.com)

Correspondence response to be sent to the Naperville office.

September 16, 2025

**VIA EMAIL, REGULAR AND CERTIFIED MAIL**  
[rsoliman@cityofcresthill.com](mailto:rsoliman@cityofcresthill.com)

Mayor Raymond R. Soliman  
City of Crest Hill  
20600 City Center Blvd.  
Crest Hill, IL 60403

**Re: Quick Trip Development – Knapp Corridor**

Dear Mayor Soliman:

Our firm represents the Willow Falls Townhome Association (the “Association”), which consists of 104 Townhomes located near the intersection of Knapp Drive and Willow Circle Drive in Crest Hill. This correspondence is sent on behalf of the Association to formally express its position regarding the proposed Quick Trip Development between U.S. Route 30 and Knapp Drive.

While the Association is encouraged by the City of Crest Hill’s continued efforts to support economic development, it has significant concerns regarding the increased vehicular and pedestrian traffic, and the resulting safety impacts, that the proposed development is likely to bring to the surrounding residential area. These concerns, however, would likely be substantially mitigated by restricting vehicle access to the development from Knapp Drive. Accordingly, the Association respectfully requests that all vehicular access to the Quick Trip Development be limited to U.S. Route 30.

As you are aware, Knapp Drive currently experiences a high volume of non-local traffic using the corridor to bypass major intersections, including those at Larkin/Weber, IL Route 7, and U.S. Route 30. Residents have frequently observed this non-local traffic, as well as patrons of local businesses, disregarding the clearly posted 25 mph speed limit, creating serious safety concerns for other vehicles and pedestrians within the area. It is our understanding, however, that the City is seeking to reduce or eliminate the issues caused by this cut-through traffic, as evidenced by the recently approved resolution authorizing a Traffic Impact and Calming Analysis along the Knapp Corridor, from IL Route 7 (Theodore Street) to Larkin Avenue/Weber Road. The Association appreciates and supports this proactive initiative as it has been a cause of concern for quite some time.

## KEOUGH & MOODY, P.C.

To further support the City's initiative to reduce cut-through traffic, the Association urges the City to restrict vehicular access to the Quick Trip Development from Knapp Drive and require all ingress and egress to be routed exclusively via U.S. Route 30. Allowing access from Knapp Drive will likely undermine the City's efforts to mitigate cut-through traffic by providing another route for non-local traffic – thereby exacerbating congestion and safety concerns along the Knapp Corridor.

Conversely, directing all traffic to and from the development through U.S. Route 30 would provide patrons with efficient access immediately after the intersection of IL Route 7 and U.S. Route 30. Given the already elevated traffic volumes and speeding issues along Knapp Drive, the introduction of commercial traffic from a high-volume establishment such as Quick Trip would only intensify the existing challenges.

Accordingly, the Association strongly urges the City to restrict access to the development from Knapp Drive and to require all ingress and egress be routed exclusively through U.S. Route 30. Doing so would not only help preserve the character of the Knapp Corridor and the safety of its residents but may also support the City's broader goals of mitigating cut-through traffic.

We would like to be notified of any updates related to the Traffic Study and the Quick Trip Development. Please direct all notifications and correspondences regarding this matter via email to [rrb@kmlegal.com](mailto:rrb@kmlegal.com).

Thank you for your attention to this matter.

Very truly yours,



REBECKA R. BRONKEMA  
Attorney at Law

cc: Willow Falls Townhome Association



**RECEIVED**  
DEC 17 2025  
CLERK'S OFFICE

URGENT SAFETY PETITION

Dangerous Traffic Conditions Endangering Residents

Date: 12/17/2025  
To: City of Crest Hill, City Council  
From: Residents of Willow Falls, Crest Hill, IL

Dear City Officials,

We, the residents of Willow Falls, are submitting this urgent petition to express our serious concern regarding the dangerous traffic conditions on Knapp Street affecting our senior Willow Falls community. Knapp Street is the residential street to enter our community. Our community is a 55 and older community of senior citizens, with 104 townhomes, independent and assisted living apartments and a memory unit facility.

Petition Summary and Background

There is an immediate public safety risk to the residents of our community as well as those visiting our community, businesses servicing our community and emergency vehicles. Heavy commercial vehicles and large semi-trucks have been traveling Knapp Street at unsafe speeds, despite the posted 25 mph speed limit. The semi-trucks and large vehicles are using the south entrance of Knapp Street as a cut through street to avoid the traffic light where Route 30 intersects with Theodore Street and Larkin Street. As well as using the north entrance of Knapp Street as a cut through street from Weber Road in order to avoid the same intersection. Please see attached Google image and photographs of the heavy commercial vehicles and semi-trucks traveling Knapp Street.

The volume of traffic has made it extremely difficult and unsafe for residents to enter or exit Knapp Street in order to drive to their homes. These vehicles, and the speed at which these vehicles are traveling, is unlawful for a residential area and are putting our elderly residents, visitors, and service providers at daily risk. There is growing fear of accidents and injuries occurring to the residents of our community.

Action Petitioned For

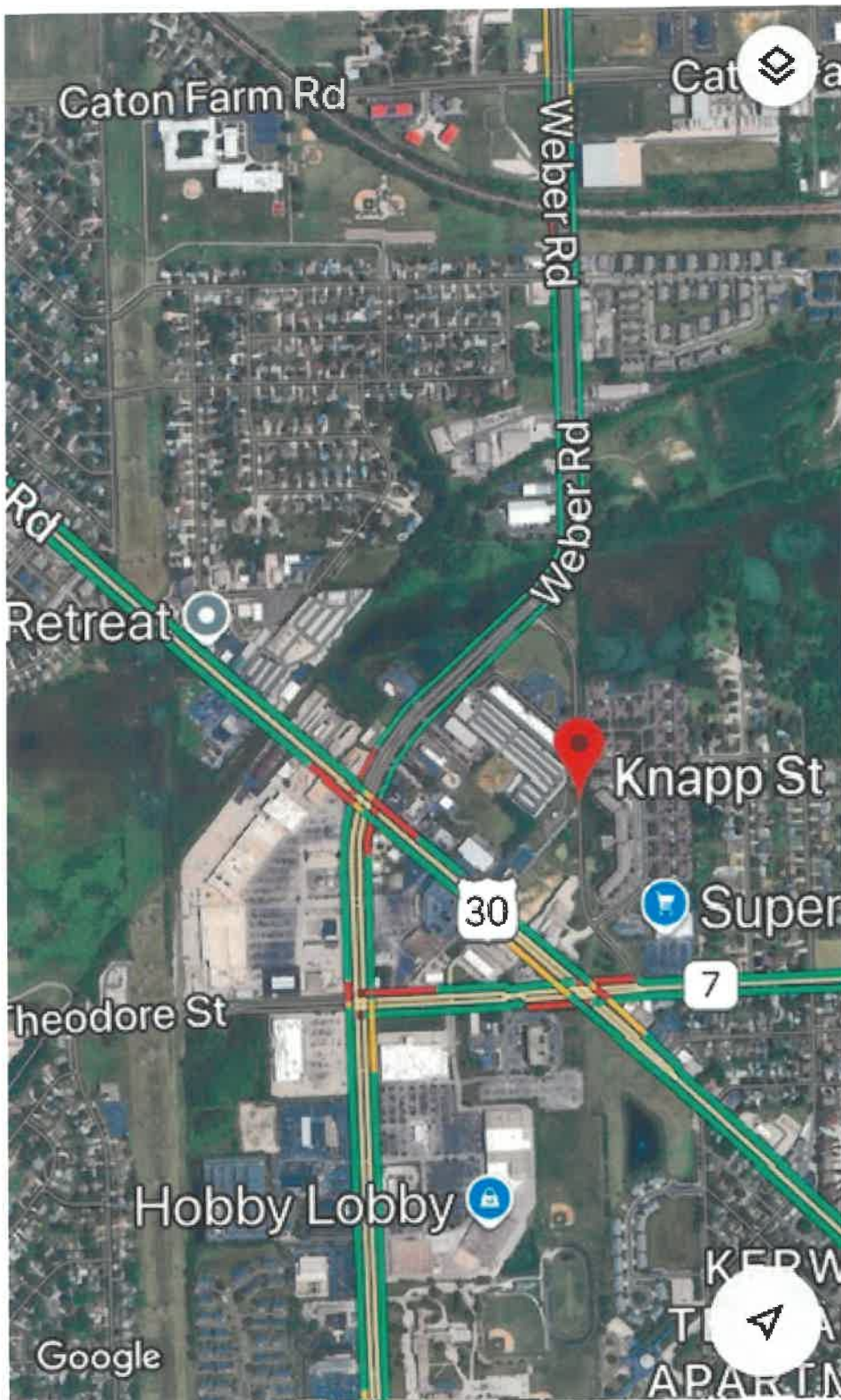
Knapp Street is not a major commercial or industrial road. We respectfully request the City to take immediate corrective action by (1) rerouting truck traffic and large vehicle traffic to safer, more appropriate roads; and (2) the enforcement of the 25 mph speed limit on Knapp Road. These vehicle are not to be traveling on Knapp Road and there are several alternative routes suited for use by large commercial vehicles and semi-trucks.

We respectfully request immediate review and any and all assistance in creating safer conditions on Knapp Street for the Willow Falls community, visitors to our community, businesses servicing our community and emergency vehicles before a serious accident occurs.

Thank you for your urgent attention and support in protecting the safety of our community. If you have any questions, please feel free to contact Lupe Relles at 815-735-4328, 1892 Willow Circle Drive, Crest Hill, IL, 60403; email: laloop2@hotmail.com.

Sincerely,

The Residents of Willow Falls



9/30/25 9:32 Am



9/30/25 9:46 AM



10/3/25 10:40 Am



9/25/25 4:02 pm





9/17/25 10:38AM



9/17/25 10:25AM



10/14/25 9:05AM



10/14/25 8:53AM





10/13/25 11:40 AM



10/13/25 3:38 PM



10/10/25 2:57 PM

