

Folsom City Council Staff Report

MEETING DATE:	12/13/2022
AGENDA SECTION:	Consent Calendar
SUBJECT:	Resolution No. 10960 - A Resolution Authorizing the Public Works Department to Install All-Way Stop Sign Control at the Intersection of Montrose Drive and Lowe's/Trader Joe's Shopping Center and Home Goods/Target Shopping Center
FROM:	Public Works Department

RECOMMENDATION / CITY COUNCIL ACTION

The Public Works Department recommends that the City Council pass and adopt Resolution No. 10960 - A Resolution Authorizing the Public Works Department to Install All-Way Stop Sign Control at the Intersection of Montrose Drive and Lowe's/Trader Joe's Shopping Center and Home Goods/Target Shopping Center.

BACKGROUND / ISSUE

The Public Works Department received a request to evaluate the safety of the intersection of Montrose Drive and Lowe's/Trader Joe's shopping center and Home Goods/Target shopping center. Montrose Drive is classified as a local roadway and serves as a north-south connection between East Bidwell Street and Natoma Street. Most of the concerns are related to vehicle speeds of approaching traffic southbound from School Street and a concern about the line of sight of approaching vehicles when turning out from the Lowe's/Trader Joe's shopping center.

Staff requested that an all way stop sign analysis be performed by the City's on-call traffic engineering consultant, Kimley-Horn and Associates, Inc. Their conclusion was that "the intersection of Montrose Drive at Target/Trader Joe's Shopping Center Driveway satisfies AWSC (All-Way Stop Control) warrant guidance specified by CMUTCD (California Manual of Uniform Traffic Control Devices) methodologies. Furthermore, based on the vehicle speeds along Montrose Drive and field observations, there are two turning movement (eastbound turning left and right) with substandard intersection sight distance and stopping sight distance.

Based on these findings, it is recommended that the City consider the conversion to AWSC control at this intersection.”

POLICY / RULE

Chapter 10.12 of the Folsom Municipal Code grants the City Council final authority with respect to the placement of new stop signs.

ANALYSIS

This item was considered by the Traffic Safety Committee at its October 27, 2022, meeting which the Committee voted unanimously to recommend an all-way stop control. A copy of the Action Summary from that meeting is attached to this report.

The Kimley-Horn and Associates, Inc. Multi-Way Stop Sign Analysis warrant analysis is also attached to this report.

FINANCIAL IMPACT

Installation of new signs and markings should not exceed \$6,000 and will be paid out of the Traffic Safety Projects, Project No. 8023, which is funded through Measure A (Fund 276).

ENVIRONMENTAL REVIEW

This project has been deemed categorically exempt from environmental review.

ATTACHMENTS

1. Resolution No. 10960 - A Resolution Authorizing the Public Works Department to Install All-Way Stop Sign Control at the Intersection of Montrose Drive and Lowe's/Trader Joe's Shopping Center and Home Goods/Target Shopping Center
2. Action Summary – Traffic Safety Committee, October 27, 2022
3. CMUTCD Multi-Way Stop Sign Warrant Analysis performed by Kimley-Horn and Associates, Inc.
4. Map of Intersection

Submitted,

Mark Rackovan, PUBLIC WORKS DIRECTOR

Attachment 1

Resolution No. 10960

RESOLUTION NO. 10960

**A RESOLUTION AUTHORIZING THE PUBLIC WORKS DEPARTMENT TO
INSTALL ALL-WAY STOP SIGN CONTROL AT THE INTERSECTION OF
MONTROSE DRIVE AND LOWE'S/TRADER JOE'S SHOPPING CENTER AND
HOME GOODS/TARGET SHOPPING CENTER**

WHEREAS, the Public Works Department received a request to evaluate traffic safety at the intersection of Montrose Drive and Lowe's/Trader Joe's Shopping Center and Home Goods/Target Shopping Center; and

WHEREAS, the intersection is currently side street stop controlled; and

WHEREAS, Kimley-Horn and Associates, Inc. assessed the intersection and determined that all-way stop control is warranted based on line of sight and traffic volume; and

WHEREAS, the Traffic Safety Committee reviewed the request at its October 27, 2022 meeting and voted unanimously to recommend all-way stop control; and

WHEREAS, sufficient funds are budgeted and available in the Traffic Safety Projects, Project No. 8023, utilizing the Measure A Fund (Fund 276); and

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Folsom authorizes the Public Works Department to install all-way stop sign control at the intersection of Montrose Drive and Lowe's/Trader Joe's Shopping Center and Home Goods/Target Shopping Center.

PASSED AND ADOPTED this 13th day of December 2022, by the following roll-call vote:

AYES: Councilmember(s):
NOES: Councilmember(s):
ABSENT: Councilmember(s):
ABSTAIN: Councilmember(s):

MAYOR

ATTEST:

Christa Freemantle, CITY CLERK

Attachment 2

Draft Action Summary – Traffic Safety
Committee, August 26, 2021

City of Folsom
TRAFFIC SAFETY COMMITTEE
MEETING MINUTES
4:00 p.m., Thursday, October 27th, 2022

Effective July 7, 2022, the City of Folsom is returning to all in-person City Council, Commission, and Committee meetings. Remote participation for the public will no longer be offered. Everyone is invited and encouraged to attend and participate in City meetings in person.

1. MEETING CALLED TO ORDER

Meeting called to order 4:08 pm

2. ROLL CALL:

Bailey, Bosch, Delp, Galovich, McGee, Soulsby, Washburn
Present: Bailey, Bosch, Galovich, Soulsby Absent: Delp, Washburn

3. APPROVE ACTION SUMMARY

Action Summary of the regular September 22nd, 2022, meeting will stand approved unless any Committee member requests a revision.
Bosch moved to approve Bailey seconded. Committee unanimous.

4. BUSINESS FROM FLOOR/GOOD OF THE ORDER

Discuss any items not on the agenda that a member of the public wishes to bring to the Committee's attention. The Committee cannot take formal action on the item but can request that it be placed on a future agenda for further discussion if necessary.
A resident asked for an update regarding the new Pedestrian Signs coming on East Natoma and Bosch gave an update.

5. ACTION ITEMS

1. NEIGHBORHOOD ISSUES

a. MONTROSE DRIVE STOP SIGN

Soulsby moved and Bailey seconded, committee unanimous. Traffic safety recommends that City Council approve an all -way stop sign at the intersection of Montrose Drive and Lowe's/Trader Joe's Shopping Center and Home Goods/Target Shopping Center.

b. PARKSHORE DRIVE & PLAZA DRIVE STOP SIGN REQUEST

Bosch moved and Soulsby seconded, committee unanimous. This item was recommended to be postponed to a future agenda

c. RANDALL DRIVE & SANTANA WAY STOP SIGN REQUEST

Bailey moved and Soulsby seconded, committee unanimous. They recommend that the Public Works Department request that the petition submitter request additional signatures of support from the two homes on the corner closest to the proposed single stop sign and that they get more signatures from residents on Santana way.

6. DISCUSSION ITEMS

- a. **PROJECT UPDATE FOR MEDIAN BARRIER
PROJECT ON EAST NATOMA**

Bosch provided an update and answered questions.

- b. **LIST OF FUTURE AGENDA ITEMS**

7. ADJOURNMENT

Meeting adjourned at 5:52

Attachment 3

CMUTCD Multi-way Stop Sign Warrant Analysis

To: Zach Bosch, City of Folsom

From: Amy Butler, EI
Robert Paderna, P.E., RSP₁

Re: **Intersection Evaluation**
Montrose Drive at Target/Trader Joe's Shopping Center Driveway

Date: October 7, 2022

The purpose of this memorandum is to document the results of a traffic engineering evaluation of the intersection of Montrose Drive at Target/Trader Joe's Shopping Center Driveway (the "study intersection") in the City of Folsom, California. Kimley-Horn understands that the City of Folsom has received requests to evaluate the existing traffic conditions at the study intersection and to perform an All-Way Stop Control (AWSC) warrant analysis. The study intersection is currently a Side-Street Stop Control (SSSC) intersection with free movements along Montrose Drive. This evaluation has been completed to evaluate the need for intersection traffic control or other safety modifications based on observed existing conditions and traffic volume data.

Data Collection

A site visit was completed on September 14, 2022, to observe intersection lane configurations, existing traffic control, speed limits, lane utilization, adjacent land uses, and other readily apparent features that were deemed by Kimley-Horn to be relevant to the Scope of Services.

Four (4) roadway segment volume counts were collected from 6:00am to 10:00pm on a Thursday, Friday, and Saturday (September 8th, 16th, and August 27th, respectively), due to the hours of operation of the businesses that access the study intersection's driveways. These counts were conducted along the approaches to the study intersection and speed data was also collected along the Montrose approaches. Site location can be seen in **Exhibit 1**. The traffic count sheets are provided in **Attachment A**.

Traffic Control Warrants

An All-Way Stop Control (AWSC) warrant evaluation was completed for the study intersection based on the methodologies noted in Section 2B.07 of the *California Manual on Uniform Traffic Control Devices (CMUTCD), 2014 Edition (Revision 6, March 30, 2021)*. The evaluation of the AWSC warrant requirements determined that the warrant is satisfied for the study intersection. Summary sheets for the warrant evaluation are included as **Attachment B** to this memorandum.

Intersection Sight Distance

An evaluation of sight distance for the study intersection was completed based on observed horizontal and vertical geometric conditions. These evaluations were performed in accordance with the guidelines presented in the *Geometric Design of Highways and Streets, 2011*, published by the American Association of State Highway and Transportation Officials (AASHTO), and the *Highway Design Manual*, published by Caltrans. The results of this evaluation are presented in **Table 1** (see **Exhibit 1** for a graphical depiction of the sight distance observations).

Table 1 – Summary of Sight Distance Observations

ID	Approach	Movement Direction	Observed SD (ft.)		Required Intersection Sight Distance (ft.) ¹	Status ²	Achievable SD (ft.) ³
			Looking Left	Looking Right			
A	Eastbound (Trader Joe’s Driveway)	Left	214	>500	250	Obstructed	>400
B		Right	214		250	Obstructed	>400
C	Westbound (Target Driveway)	Left	>500	>500	250	Acceptable	-
D		Right	>500		250	Acceptable	-

Notes: SD = Sight Distance, ISD = Intersection Sight Distance
¹ Passenger Vehicles, assumed design speed of 35 mph due to 85th % 32 mph for southbound/northbound approaches
² Obstructed indicates that an object at a height above the elevation of the adjacent roadway blocks the drivers’ view
³ Achievable Sight Distance refers to the condition anticipated to be achieved with removal or maintenance of roadside vegetation, including the mentioned intermediate obstructions.

The intersection sight distance for the eastbound Trader Joe’s Driveway approach looking to the left (vehicles looking toward southbound Montrose Drive) is insufficient. Currently, there is vegetation obstructing views for these motorists. If these obstructions were to be removed it would be possible to achieve acceptable intersection sight distance requirements. Caltrans’ Highway Design Manual states that “the minimum value for corner sight distance at both signalized and unsignalized intersections shall be equal to the stopping sight distance as given in Table 201.1, measured as previously described.” Table 201.1¹ presents the Stopping Sight Distance (SSD) based on design speed. Due to an 85th percentile speed of 32 mph for the northbound approach, the design speed used to determine the SSD was 35 mph. The SSD associated with 35 mph is 250 feet.

Summary and Recommendations

The intersection of Montrose Drive at Target/Trader Joe’s Shopping Center Driveway satisfies AWSC warrant guidance specified by CMUTCD methodologies. Furthermore, based on the vehicle speeds along Montrose Drive and field observations, there are two turning movement (eastbound turning left and right) with substandard intersection sight distance and stopping sight distance. Based on these findings, it is recommended that the City consider the conversion to AWSC control at this intersection.

Attachments:

- Exhibit 1** – Sight Distance Observations
- Attachment A** – Traffic Count Sheets
- Attachment B** – AWSC Warrant Analysis Worksheets

¹ Caltrans Highway Design Manual. May 7, 2012. Page 200-1

Montrose Drive at Target/Trader Joe's Shopping Center Driveway - Intersection Evaluation



NOT TO SCALE



Attachment A
Traffic Count Sheets

VOLUME

Montrose Dr N/O Target/Trader Joe's Shopping Center Dwy

Day: Thursday
 Date: 9/8/2022

City: Folsom
 Project #: CA22_070181_002

DAILY TOTALS					NB	SB	EB	WB	Total		
					2,283	2,687	0	0	4,970		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	0	0	0	0		12:00	60	60	0	0	120
00:15	0	0	0	0		12:15	47	86	0	0	133
00:30	0	0	0	0		12:30	37	50	0	0	87
00:45	0	0	0	0		12:45	56	200	46	242	102 442
01:00	0	0	0	0		13:00	50	40	0	0	90
01:15	0	0	0	0		13:15	47	63	0	0	110
01:30	0	0	0	0		13:30	42	43	0	0	85
01:45	0	0	0	0		13:45	43	182	49	195	92 377
02:00	0	0	0	0		14:00	51	43	0	0	94
02:15	0	0	0	0		14:15	47	46	0	0	93
02:30	0	0	0	0		14:30	53	33	0	0	86
02:45	0	0	0	0		14:45	40	191	59	181	99 372
03:00	0	0	0	0		15:00	42	36	0	0	78
03:15	0	0	0	0		15:15	34	39	0	0	73
03:30	0	0	0	0		15:30	35	61	0	0	96
03:45	0	0	0	0		15:45	56	167	45	181	101 348
04:00	0	0	0	0		16:00	37	49	0	0	86
04:15	0	0	0	0		16:15	53	46	0	0	99
04:30	0	0	0	0		16:30	39	37	0	0	76
04:45	0	0	0	0		16:45	52	181	66	198	118 379
05:00	0	0	0	0		17:00	67	57	0	0	124
05:15	0	0	0	0		17:15	51	49	0	0	100
05:30	0	0	0	0		17:30	57	39	0	0	96
05:45	0	0	0	0		17:45	37	212	44	189	81 401
06:00	3	19	0	0	22	18:00	41	40	0	0	81
06:15	12	16	0	0	28	18:15	41	29	0	0	70
06:30	7	17	0	0	24	18:30	34	36	0	0	70
06:45	9	31	20	72	29 103	18:45	40	156	32	137	72 293
07:00	9	27	0	0	36	19:00	35	22	0	0	57
07:15	22	34	0	0	56	19:15	29	26	0	0	55
07:30	43	40	0	0	83	19:30	26	27	0	0	53
07:45	56	130	92	193	148 323	19:45	23	113	22	97	45 210
08:00	34	104	0	0	138	20:00	32	29	0	0	61
08:15	41	62	0	0	103	20:15	22	29	0	0	51
08:30	32	50	0	0	82	20:30	28	21	0	0	49
08:45	24	131	56	272	80 403	20:45	19	101	13	92	32 193
09:00	23	56	0	0	79	21:00	14	15	0	0	29
09:15	30	31	0	0	61	21:15	11	12	0	0	23
09:30	28	53	0	0	81	21:30	15	11	0	0	26
09:45	33	114	49	189	82 303	21:45	13	53	9	47	22 100
10:00	27	42	0	0	69	22:00	0	0	0	0	
10:15	31	56	0	0	87	22:15	0	0	0	0	
10:30	32	33	0	0	65	22:30	0	0	0	0	
10:45	41	131	37	168	78 299	22:45	0	0	0	0	
11:00	47	50	0	0	97	23:00	0	0	0	0	
11:15	40	66	0	0	106	23:15	0	0	0	0	
11:30	43	73	0	0	116	23:30	0	0	0	0	
11:45	60	190	45	234	105 424	23:45	0	0	0	0	
TOTALS	727	1128			1855	TOTALS	1556	1559			3115
SPLIT %	39.2%	60.8%			37.3%	SPLIT %	50.0%	50.0%			62.7%

DAILY TOTALS					NB	SB	EB	WB	Total
					2,283	2,687	0	0	4,970

AM Peak Hour	11:30	07:45		11:30	PM Peak Hour	16:45	12:00		12:00
AM Pk Volume	210	308		474	PM Pk Volume	227	242		442
Pk Hr Factor	0.875	0.740		0.891	Pk Hr Factor	0.847	0.703		0.831
7 - 9 Volume	261	465		726	4 - 6 Volume	393	387		780
7 - 9 Peak Hour	07:30	07:45		07:30	4 - 6 Peak Hour	16:45	16:45		16:45
7 - 9 Pk Volume	174	308		472	4 - 6 Pk Volume	227	211		438
Pk Hr Factor	0.777	0.740		0.797	Pk Hr Factor	0.847	0.799		0.883

VOLUME

Montrose Dr N/O Target/Trader Joe's Shopping Center Dwy

Day: Friday
 Date: 9/16/2022

City: Folsom
 Project #: CA22_070181_002

DAILY TOTALS						NB	SB	EB	WB	Total	
						2,529	3,030	0	0	5,559	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	0	0	0	0		12:00	39	60	0	0	99
00:15	0	0	0	0		12:15	44	52	0	0	96
00:30	0	0	0	0		12:30	56	56	0	0	112
00:45	0	0	0	0		12:45	38	177	53	221	91 398
01:00	0	0	0	0		13:00	52	51	0	0	103
01:15	0	0	0	0		13:15	51	39	0	0	90
01:30	0	0	0	0		13:30	60	47	0	0	107
01:45	0	0	0	0		13:45	42	205	70	207	112 412
02:00	0	0	0	0		14:00	57	43	0	0	100
02:15	0	0	0	0		14:15	65	72	0	0	137
02:30	0	0	0	0		14:30	74	50	0	0	124
02:45	0	0	0	0		14:45	70	266	92	257	162 523
03:00	0	0	0	0		15:00	70	103	0	0	173
03:15	0	0	0	0		15:15	52	52	0	0	104
03:30	0	0	0	0		15:30	52	83	0	0	135
03:45	0	0	0	0		15:45	53	227	50	288	103 515
04:00	0	0	0	0		16:00	62	50	0	0	112
04:15	0	0	0	0		16:15	55	58	0	0	113
04:30	0	0	0	0		16:30	55	65	0	0	120
04:45	0	0	0	0		16:45	57	229	64	237	121 466
05:00	0	0	0	0		17:00	52	51	0	0	103
05:15	0	0	0	0		17:15	54	47	0	0	101
05:30	0	0	0	0		17:30	52	54	0	0	106
05:45	0	0	0	0		17:45	39	197	58	210	97 407
06:00	5	20	0	0	25	18:00	47	46	0	0	93
06:15	10	15	0	0	25	18:15	37	48	0	0	85
06:30	7	17	0	0	24	18:30	51	38	0	0	89
06:45	9	31	27	79	36 110	18:45	45	180	36	168	81 348
07:00	8	25	0	0	33	19:00	42	26	0	0	68
07:15	12	33	0	0	45	19:15	35	29	0	0	64
07:30	41	31	0	0	72	19:30	39	28	0	0	67
07:45	53	114	82	171	135 285	19:45	25	141	30	113	55 254
08:00	36	97	0	0	133	20:00	37	45	0	0	82
08:15	23	56	0	0	79	20:15	30	19	0	0	49
08:30	37	50	0	0	87	20:30	20	11	0	0	31
08:45	33	129	51	254	84 383	20:45	22	109	15	90	37 199
09:00	29	63	0	0	92	21:00	17	13	0	0	30
09:15	34	46	0	0	80	21:15	22	14	0	0	36
09:30	27	49	0	0	76	21:30	13	5	0	0	18
09:45	28	118	42	200	70 318	21:45	18	70	7	39	25 109
10:00	44	44	0	0	88	22:00	0	0	0	0	
10:15	20	53	0	0	73	22:15	0	0	0	0	
10:30	29	55	0	0	84	22:30	0	0	0	0	
10:45	42	135	46	198	88 333	22:45	0	0	0	0	
11:00	58	66	0	0	124	23:00	0	0	0	0	
11:15	51	83	0	0	134	23:15	0	0	0	0	
11:30	40	87	0	0	127	23:30	0	0	0	0	
11:45	52	201	62	298	114 499	23:45	0	0	0	0	
TOTALS	728	1200			1928	TOTALS	1801	1830			3631
SPLIT %	37.8%	62.2%			34.7%	SPLIT %	49.6%	50.4%			65.3%

DAILY TOTALS						NB	SB	EB	WB	Total
						2,529	3,030	0	0	5,559
AM Peak Hour	11:00	11:00			11:00	PM Peak Hour	14:15	14:45		14:15
AM Pk Volume	201	298			499	PM Pk Volume	279	330		596
Pk Hr Factor	0.866	0.856			0.931	Pk Hr Factor	0.943	0.801		0.861
7 - 9 Volume	243	425			668	4 - 6 Volume	426	447		873
7 - 9 Peak Hour	07:30	07:45			07:45	4 - 6 Peak Hour	16:00	16:15		16:00
7 - 9 Pk Volume	153	285			434	4 - 6 Pk Volume	229	238		466
Pk Hr Factor	0.722	0.735			0.804	Pk Hr Factor	0.923	0.915		0.963

VOLUME

Montrose Dr N/O Target/Trader Joe's Shopping Center Dwy

Day: Saturday
 Date: 8/27/2022

City: Folsom
 Project #: CA22_070181_002

DAILY TOTALS						NB	SB	EB	WB	Total	
						2,124	2,398	0	0	4,522	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	0	0	0	0		12:00	50	62	0	0	112
00:15	0	0	0	0		12:15	48	61	0	0	109
00:30	0	0	0	0		12:30	45	70	0	0	115
00:45	0	0	0	0		12:45	52	195	49	242	101 437
01:00	0	0	0	0		13:00	56	37	0	0	93
01:15	0	0	0	0		13:15	55	58	0	0	113
01:30	0	0	0	0		13:30	47	57	0	0	104
01:45	0	0	0	0		13:45	56	214	58	210	114 424
02:00	0	0	0	0		14:00	43	53	0	0	96
02:15	0	0	0	0		14:15	42	46	0	0	88
02:30	0	0	0	0		14:30	45	51	0	0	96
02:45	0	0	0	0		14:45	36	166	42	192	78 358
03:00	0	0	0	0		15:00	50	57	0	0	107
03:15	0	0	0	0		15:15	45	51	0	0	96
03:30	0	0	0	0		15:30	52	44	0	0	96
03:45	0	0	0	0		15:45	44	191	39	191	83 382
04:00	0	0	0	0		16:00	46	44	0	0	90
04:15	0	0	0	0		16:15	52	43	0	0	95
04:30	0	0	0	0		16:30	54	40	0	0	94
04:45	0	0	0	0		16:45	49	201	37	164	86 365
05:00	0	0	0	0		17:00	51	33	0	0	84
05:15	0	0	0	0		17:15	38	40	0	0	78
05:30	0	0	0	0		17:30	39	41	0	0	80
05:45	0	0	0	0		17:45	45	173	32	146	77 319
06:00	2	6	0	0	8	18:00	37	72	0	0	109
06:15	9	11	0	0	20	18:15	30	41	0	0	71
06:30	4	8	0	0	12	18:30	34	27	0	0	61
06:45	9	24	12	37	21 61	18:45	31	132	34	174	65 306
07:00	9	16	0	0	25	19:00	35	38	0	0	73
07:15	7	19	0	0	26	19:15	24	31	0	0	55
07:30	5	12	0	0	17	19:30	27	22	0	0	49
07:45	7	28	12	59	19 87	19:45	34	120	18	109	52 229
08:00	9	40	0	0	49	20:00	19	20	0	0	39
08:15	19	28	0	0	47	20:15	29	6	0	0	35
08:30	26	39	0	0	65	20:30	15	11	0	0	26
08:45	20	74	34	141	54 215	20:45	15	78	17	54	32 132
09:00	34	43	0	0	77	21:00	18	14	0	0	32
09:15	20	45	0	0	65	21:15	17	7	0	0	24
09:30	34	47	0	0	81	21:30	10	13	0	0	23
09:45	43	131	30	165	73 296	21:45	13	58	10	44	23 102
10:00	50	49	0	0	99	22:00	0	0	0	0	
10:15	25	55	0	0	80	22:15	0	0	0	0	
10:30	30	62	0	0	92	22:30	0	0	0	0	
10:45	63	168	64	230	127 398	22:45	0	0	0	0	
11:00	44	54	0	0	98	23:00	0	0	0	0	
11:15	39	67	0	0	106	23:15	0	0	0	0	
11:30	40	58	0	0	98	23:30	0	0	0	0	
11:45	48	171	61	240	109 411	23:45	0	0	0	0	
TOTALS	596	872			1468	TOTALS	1528	1526			3054
SPLIT %	40.6%	59.4%			32.5%	SPLIT %	50.0%	50.0%			67.5%

DAILY TOTALS						NB	SB	EB	WB	Total
						2,124	2,398	0	0	4,522
AM Peak Hour	11:45	11:45			11:45	PM Peak Hour	13:00	12:00		12:00
AM Pk Volume	191	254			445	PM Pk Volume	214	242		437
Pk Hr Factor	0.955	0.907			0.967	Pk Hr Factor	0.955	0.864		0.950
7 - 9 Volume	102	200			302	4 - 6 Volume	374	310		684
7 - 9 Peak Hour	08:00	08:00			08:00	4 - 6 Peak Hour	16:15	16:00		16:00
7 - 9 Pk Volume	74	141			215	4 - 6 Pk Volume	206	164		365
Pk Hr Factor	0.712	0.881			0.827	Pk Hr Factor	0.954	0.932		0.961

VOLUME

Montrose Dr S/O Target/Trader Joe's Shopping Center Dwy

Day: Thursday
 Date: 9/8/2022

City: Folsom
 Project #: CA22_070181_001

DAILY TOTALS					NB	SB	EB	WB	Total		
					2,228	3,286	0	0	5,514		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	0	0	0	0		12:00	66	71	0	0	137
00:15	0	0	0	0		12:15	36	113	0	0	149
00:30	0	0	0	0		12:30	37	55	0	0	92
00:45	0	0	0	0		12:45	53	192	56	295	109 487
01:00	0	0	0	0		13:00	42	65	0	0	107
01:15	0	0	0	0		13:15	32	72	0	0	104
01:30	0	0	0	0		13:30	40	63	0	0	103
01:45	0	0	0	0		13:45	47	161	59	259	106 420
02:00	0	0	0	0		14:00	46	59	0	0	105
02:15	0	0	0	0		14:15	41	68	0	0	109
02:30	0	0	0	0		14:30	45	46	0	0	91
02:45	0	0	0	0		14:45	44	176	72	245	116 421
03:00	0	0	0	0		15:00	37	56	0	0	93
03:15	0	0	0	0		15:15	49	62	0	0	111
03:30	0	0	0	0		15:30	28	68	0	0	96
03:45	0	0	0	0		15:45	54	168	48	234	102 402
04:00	0	0	0	0		16:00	40	66	0	0	106
04:15	0	0	0	0		16:15	50	62	0	0	112
04:30	0	0	0	0		16:30	36	62	0	0	98
04:45	0	0	0	0		16:45	48	174	71	261	119 435
05:00	0	0	0	0		17:00	63	62	0	0	125
05:15	0	0	0	0		17:15	55	56	0	0	111
05:30	0	0	0	0		17:30	50	48	0	0	98
05:45	0	0	0	0		17:45	37	205	55	221	92 426
06:00	4	18	0	0	22	18:00	44	52	0	0	96
06:15	16	21	0	0	37	18:15	44	41	0	0	85
06:30	7	18	0	0	25	18:30	38	48	0	0	86
06:45	6	33	18	75	24 108	18:45	32	158	40	181	72 339
07:00	11	30	0	0	41	19:00	41	41	0	0	82
07:15	22	42	0	0	64	19:15	35	41	0	0	76
07:30	42	43	0	0	85	19:30	29	42	0	0	71
07:45	58	133	86	201	144 334	19:45	23	128	36	160	59 288
08:00	35	96	0	0	131	20:00	32	38	0	0	70
08:15	41	60	0	0	101	20:15	30	32	0	0	62
08:30	39	53	0	0	92	20:30	28	30	0	0	58
08:45	27	142	64	273	91 415	20:45	12	102	25	125	37 227
09:00	30	59	0	0	89	21:00	11	20	0	0	31
09:15	27	44	0	0	71	21:15	12	20	0	0	32
09:30	27	58	0	0	85	21:30	17	12	0	0	29
09:45	34	118	55	216	89 334	21:45	7	47	14	66	21 113
10:00	28	51	0	0	79	22:00	0	0	0	0	
10:15	29	72	0	0	101	22:15	0	0	0	0	
10:30	32	42	0	0	74	22:30	0	0	0	0	
10:45	40	129	54	219	94 348	22:45	0	0	0	0	
11:00	44	50	0	0	94	23:00	0	0	0	0	
11:15	30	72	0	0	102	23:15	0	0	0	0	
11:30	40	78	0	0	118	23:30	0	0	0	0	
11:45	48	162	55	255	103 417	23:45	0	0	0	0	
TOTALS	717	1239			1956	TOTALS	1511	2047			3558
SPLIT %	36.7%	63.3%			35.5%	SPLIT %	42.5%	57.5%			64.5%

DAILY TOTALS					NB	SB	EB	WB	Total
					2,228	3,286	0	0	5,514
AM Peak Hour	11:30	11:30		11:30	PM Peak Hour	16:45	12:00		12:00
AM Pk Volume	190	317		507	PM Pk Volume	216	295		487
Pk Hr Factor	0.720	0.701		0.851	Pk Hr Factor	0.857	0.653		0.817
7 - 9 Volume	275	474		749	4 - 6 Volume	379	482		861
7 - 9 Peak Hour	07:30	07:45		07:45	4 - 6 Peak Hour	16:45	16:00		16:15
7 - 9 Pk Volume	176	295		468	4 - 6 Pk Volume	216	261		454
Pk Hr Factor	0.759	0.768		0.813	Pk Hr Factor	0.857	0.919		0.908

VOLUME

Montrose Dr S/O Target/Trader Joe's Shopping Center Dwy

Day: Friday
 Date: 9/16/2022

City: Folsom
 Project #: CA22_070181_001

DAILY TOTALS						NB	SB	EB	WB	Total	
						2,483	3,613	0	0	6,096	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	0	0	0	0		12:00	39	70	0	0	109
00:15	0	0	0	0		12:15	42	62	0	0	104
00:30	0	0	0	0		12:30	46	67	0	0	113
00:45	0	0	0	0		12:45	34	161	70	269	104
01:00	0	0	0	0		13:00	48	60	0	0	108
01:15	0	0	0	0		13:15	51	58	0	0	109
01:30	0	0	0	0		13:30	58	55	0	0	113
01:45	0	0	0	0		13:45	39	196	69	242	108
02:00	0	0	0	0		14:00	57	63	0	0	120
02:15	0	0	0	0		14:15	73	88	0	0	161
02:30	0	0	0	0		14:30	71	64	0	0	135
02:45	0	0	0	0		14:45	67	268	93	308	160
03:00	0	0	0	0		15:00	54	98	0	0	152
03:15	0	0	0	0		15:15	57	57	0	0	114
03:30	0	0	0	0		15:30	44	103	0	0	147
03:45	0	0	0	0		15:45	57	212	64	322	121
04:00	0	0	0	0		16:00	62	76	0	0	138
04:15	0	0	0	0		16:15	57	73	0	0	130
04:30	0	0	0	0		16:30	49	86	0	0	135
04:45	0	0	0	0		16:45	53	221	73	308	126
05:00	0	0	0	0		17:00	49	60	0	0	109
05:15	0	0	0	0		17:15	59	66	0	0	125
05:30	0	0	0	0		17:30	44	69	0	0	113
05:45	0	0	0	0		17:45	39	191	64	259	103
06:00	6	22	0	0	28	18:00	47	70	0	0	117
06:15	10	17	0	0	27	18:15	36	61	0	0	97
06:30	11	19	0	0	30	18:30	47	51	0	0	98
06:45	11	38	22	80	33	18:45	34	164	53	235	87
07:00	10	29	0	0	39	19:00	40	38	0	0	78
07:15	12	37	0	0	49	19:15	37	44	0	0	81
07:30	44	33	0	0	77	19:30	35	38	0	0	73
07:45	53	119	75	174	128	19:45	27	139	38	158	65
08:00	37	84	0	0	121	20:00	37	56	0	0	93
08:15	30	62	0	0	92	20:15	28	39	0	0	67
08:30	38	50	0	0	88	20:30	20	22	0	0	42
08:45	35	140	51	247	86	20:45	20	105	17	134	37
09:00	25	75	0	0	100	21:00	20	16	0	0	36
09:15	33	53	0	0	86	21:15	22	20	0	0	42
09:30	33	57	0	0	90	21:30	14	7	0	0	21
09:45	29	120	51	236	80	21:45	10	66	12	55	22
10:00	32	49	0	0	81	22:00	0	0	0	0	
10:15	34	57	0	0	91	22:15	0	0	0	0	
10:30	36	56	0	0	92	22:30	0	0	0	0	
10:45	50	152	60	222	110	22:45	0	0	0	0	
11:00	57	88	0	0	145	23:00	0	0	0	0	
11:15	54	96	0	0	150	23:15	0	0	0	0	
11:30	38	98	0	0	136	23:30	0	0	0	0	
11:45	42	191	82	364	124	23:45	0	0	0	0	
TOTALS	760	1323			2083	TOTALS	1723	2290			4013
SPLIT %	36.5%	63.5%			34.2%	SPLIT %	42.9%	57.1%			65.8%

DAILY TOTALS						NB	SB	EB	WB	Total
						2,483	3,613	0	0	6,096

AM Peak Hour	10:45	11:00	11:00	PM Peak Hour	14:00	14:45	14:15
AM Pk Volume	199	364	555	PM Pk Volume	268	351	608
Pk Hr Factor	0.873	0.929	0.925	Pk Hr Factor	0.918	0.852	0.944
7 - 9 Volume	259	421	680	4 - 6 Volume	412	567	979
7 - 9 Peak Hour	07:30	07:45	07:45	4 - 6 Peak Hour	16:00	16:00	16:00
7 - 9 Pk Volume	164	271	429	4 - 6 Pk Volume	221	308	529
Pk Hr Factor	0.774	0.807	0.838	Pk Hr Factor	0.891	0.895	0.958

VOLUME

Montrose Dr S/O Target/Trader Joe's Shopping Center Dwy

Day: Saturday
 Date: 8/27/2022

City: Folsom
 Project #: CA22_070181_001

DAILY TOTALS					NB	SB	EB	WB	Total		
					2,096	3,034	0	0	5,130		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	0	0	0	0		12:00	50	67	0	0	117
00:15	0	0	0	0		12:15	47	69	0	0	116
00:30	0	0	0	0		12:30	38	75	0	0	113
00:45	0	0	0	0		12:45	46	181	65	276	111 457
01:00	0	0	0	0		13:00	59	52	0	0	111
01:15	0	0	0	0		13:15	58	70	0	0	128
01:30	0	0	0	0		13:30	44	73	0	0	117
01:45	0	0	0	0		13:45	50	211	77	272	127 483
02:00	0	0	0	0		14:00	51	63	0	0	114
02:15	0	0	0	0		14:15	41	68	0	0	109
02:30	0	0	0	0		14:30	46	72	0	0	118
02:45	0	0	0	0		14:45	39	177	59	262	98 439
03:00	0	0	0	0		15:00	64	63	0	0	127
03:15	0	0	0	0		15:15	46	67	0	0	113
03:30	0	0	0	0		15:30	56	54	0	0	110
03:45	0	0	0	0		15:45	42	208	57	241	99 449
04:00	0	0	0	0		16:00	47	58	0	0	105
04:15	0	0	0	0		16:15	48	57	0	0	105
04:30	0	0	0	0		16:30	52	49	0	0	101
04:45	0	0	0	0		16:45	51	198	62	226	113 424
05:00	0	0	0	0		17:00	49	53	0	0	102
05:15	0	0	0	0		17:15	34	62	0	0	96
05:30	0	0	0	0		17:30	38	54	0	0	92
05:45	0	0	0	0		17:45	39	160	54	223	93 383
06:00	2	3	0	0	5	18:00	34	86	0	0	120
06:15	9	9	0	0	18	18:15	32	49	0	0	81
06:30	2	7	0	0	9	18:30	27	46	0	0	73
06:45	10	23	9	28	19 51	18:45	35	128	37	218	72 346
07:00	10	13	0	0	23	19:00	31	57	0	0	88
07:15	9	19	0	0	28	19:15	23	36	0	0	59
07:30	5	17	0	0	22	19:30	28	26	0	0	54
07:45	7	31	13	62	20 93	19:45	28	110	26	145	54 255
08:00	9	36	0	0	45	20:00	17	32	0	0	49
08:15	12	30	0	0	42	20:15	21	13	0	0	34
08:30	25	39	0	0	64	20:30	14	19	0	0	33
08:45	21	67	42	147	63 214	20:45	14	66	21	85	35 151
09:00	33	42	0	0	75	21:00	13	23	0	0	36
09:15	20	50	0	0	70	21:15	16	11	0	0	27
09:30	33	51	0	0	84	21:30	13	18	0	0	31
09:45	47	133	49	192	96 325	21:45	12	54	11	63	23 117
10:00	50	69	0	0	119	22:00	0	0	0	0	
10:15	32	65	0	0	97	22:15	0	0	0	0	
10:30	44	69	0	0	113	22:30	0	0	0	0	
10:45	52	178	72	275	124 453	22:45	0	0	0	0	
11:00	36	72	0	0	108	23:00	0	0	0	0	
11:15	45	82	0	0	127	23:15	0	0	0	0	
11:30	45	90	0	0	135	23:30	0	0	0	0	
11:45	45	171	75	319	120 490	23:45	0	0	0	0	
TOTALS	603	1023			1626	TOTALS	1493	2011			3504
SPLIT %	37.1%	62.9%			31.7%	SPLIT %	42.6%	57.4%			68.3%

DAILY TOTALS					NB	SB	EB	WB	Total
					2,096	3,034	0	0	5,130

AM Peak Hour	11:30	11:00	11:15	PM Peak Hour	13:00	13:15	13:15
AM Pk Volume	187	319	499	PM Pk Volume	211	283	486
Pk Hr Factor	0.935	0.886	0.924	Pk Hr Factor	0.894	0.919	0.949
7 - 9 Volume	98	209	307	4 - 6 Volume	358	449	807
7 - 9 Peak Hour	08:00	08:00	08:00	4 - 6 Peak Hour	16:15	16:45	16:00
7 - 9 Pk Volume	67	147	214	4 - 6 Pk Volume	200	231	424
Pk Hr Factor	0.670	0.875	0.836	Pk Hr Factor	0.962	0.931	0.938

Prepared by NDS/ATD

VOLUME

Target Dwy E/O Montrose Dr

Day: Thursday
Date: 9/8/2022

City: Folsom
Project #: CA22_070181_003

DAILY TOTALS						NB	SB	EB	WB	Total	
						0	0	1,022	985	2,007	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00					0	12:00			34	19	53
00:15					0	12:15			10	25	35
00:30					0	12:30			20	19	39
00:45					0	12:45			21	85	25
									88		46
01:00					0	13:00			27	18	45
01:15					0	13:15			21	23	44
01:30					0	13:30			23	25	48
01:45					0	13:45			23	94	18
									84		41
02:00					0	14:00			16	25	41
02:15					0	14:15			15	18	33
02:30					0	14:30			17	11	28
02:45					0	14:45			25	73	20
									74		45
03:00					0	15:00			18	12	30
03:15					0	15:15			24	17	41
03:30					0	15:30			22	19	41
03:45					0	15:45			18	82	14
									62		32
04:00					0	16:00			28	25	53
04:15					0	16:15			27	22	49
04:30					0	16:30			14	20	34
04:45					0	16:45			24	93	22
									89		46
05:00					0	17:00			23	14	37
05:15					0	17:15			35	25	60
05:30					0	17:30			27	21	48
05:45					0	17:45			16	101	19
									79		35
06:00			4	2	6	18:00			22	25	47
06:15			6	5	11	18:15			22	18	40
06:30			3	4	7	18:30			25	19	44
06:45			1	14	2	18:45			14	83	16
				13	3				78		30
07:00			3	3	6	19:00			19	20	39
07:15			2	7	9	19:15			13	14	27
07:30			1	5	6	19:30			11	14	25
07:45			11	17	4	19:45			11	54	18
				19	15				66		29
08:00			13	6	19	20:00			13	16	29
08:15			3	7	10	20:15			14	10	24
08:30			13	4	17	20:30			12	13	25
08:45			16	45	14	20:45			4	43	9
				31	30				48		13
09:00			19	10	29	21:00			7	8	15
09:15			10	12	22	21:15			4	6	10
09:30			14	13	27	21:30			5	3	8
09:45			12	55	16	21:45			1	17	9
				51	28				26		10
10:00			17	21	38	22:00					0
10:15			20	29	49	22:15					0
10:30			13	22	35	22:30					0
10:45			23	73	30	22:45					0
				102	53						0
11:00			22	13	35	23:00					0
11:15			21	17	38	23:15					0
11:30			26	19	45	23:30					0
11:45			24	93	26	23:45					0
				75	50						0
TOTALS			297	291	588	TOTALS			725	694	1419
SPLIT %			50.5%	49.5%	29.3%	SPLIT %			51.1%	48.9%	70.7%

DAILY TOTALS						NB	SB	EB	WB	Total	
						0	0	1,022	985	2,007	
AM Peak Hour			11:15	10:00	11:15	PM Peak Hour			16:45	12:45	16:45
AM Pk Volume			105	102	186	PM Pk Volume			109	91	191
Pk Hr Factor			0.772	0.850	0.877	Pk Hr Factor			0.779	0.910	0.796
7 - 9 Volume			62	50	112	4 - 6 Volume			194	168	362
7 - 9 Peak Hour			08:00	08:00	08:00	4 - 6 Peak Hour			16:45	16:00	16:45
7 - 9 Pk Volume			45	31	76	4 - 6 Pk Volume			109	89	191
Pk Hr Factor			0.703	0.554	0.633	Pk Hr Factor			0.779	0.890	0.796

Prepared by NDS/ATD

VOLUME

Target Dwy E/O Montrose Dr

Day: Friday
Date: 9/16/2022

City: Folsom
Project #: CA22_070181_003

DAILY TOTALS						NB	SB	EB	WB	Total		
						0	0	1,077	992	2,069		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL	
00:00					0	12:00			23	18	41	
00:15					0	12:15			26	20	46	
00:30					0	12:30			27	29	56	
00:45					0	12:45			19	95	18	85
01:00					0	13:00			28	27	55	
01:15					0	13:15			16	18	34	
01:30					0	13:30			19	15	34	
01:45					0	13:45			31	94	22	82
02:00					0	14:00			19	26	45	
02:15					0	14:15			34	26	60	
02:30					0	14:30			21	25	46	
02:45					0	14:45			33	107	20	97
03:00					0	15:00			33	28	61	
03:15					0	15:15			27	20	47	
03:30					0	15:30			22	18	40	
03:45					0	15:45			24	106	17	83
04:00					0	16:00			28	32	60	
04:15					0	16:15			24	25	49	
04:30					0	16:30			25	17	42	
04:45					0	16:45			25	102	17	91
05:00					0	17:00			30	19	49	
05:15					0	17:15			20	18	38	
05:30					0	17:30			20	22	42	
05:45					0	17:45			22	92	16	75
06:00			4	5	9	18:00			18	19	37	
06:15			2	2	4	18:15			21	19	40	
06:30			3	3	6	18:30			15	18	33	
06:45			5	14	1	11	18:45		12	66	16	72
07:00			2	4	6	19:00			10	18	28	
07:15			2	4	6	19:15			16	19	35	
07:30			5	4	9	19:30			11	19	30	
07:45			6	15	5	17	19:45		17	54	12	68
08:00			5	3	8	20:00			7	16	23	
08:15			15	5	20	20:15			9	14	23	
08:30			13	6	19	20:30			13	10	23	
08:45			14	47	11	25	20:45		5	34	5	45
09:00			12	11	23	21:00			8	3	11	
09:15			17	14	31	21:15			4	5	9	
09:30			14	16	30	21:30			2	4	6	
09:45			14	57	15	56	21:45		0	14	8	20
10:00			16	17	33	22:00					0	
10:15			22	10	32	22:15					0	
10:30			29	23	52	22:30					0	
10:45			20	87	15	65	22:45				0	
11:00			18	35	53	23:00					0	
11:15			32	23	55	23:15					0	
11:30			22	14	36	23:30					0	
11:45			21	93	28	100	23:45				0	
TOTALS				313	274	587	TOTALS			764	718	1482
SPLIT %				53.3%	46.7%	28.4%	SPLIT %			51.6%	48.4%	71.6%

DAILY TOTALS						NB	SB	EB	WB	Total
						0	0	1,077	992	2,069
AM Peak Hour		10:30	11:00	10:30	PM Peak Hour		14:15	13:45	14:15	
AM Pk Volume		99	100	195	PM Pk Volume		121	99	220	
Pk Hr Factor		0.773	0.714	0.886	Pk Hr Factor		0.890	0.952	0.902	
7 - 9 Volume		62	42	104	4 - 6 Volume		194	166	360	
7 - 9 Peak Hour		08:00	08:00	08:00	4 - 6 Peak Hour		16:15	16:00	16:00	
7 - 9 Pk Volume		47	25	72	4 - 6 Pk Volume		104	91	193	
Pk Hr Factor		0.783	0.568	0.720	Pk Hr Factor		0.867	0.711	0.804	

Prepared by NDS/ATD

VOLUME

Target Dwy E/O Montrose Dr

Day: Saturday
Date: 8/27/2022

City: Folsom
Project #: CA22_070181_003

DAILY TOTALS					NB	SB	EB	WB	Total					
					0	0	1,022	913	1,935					
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
00:00					0	12:00			29	22	51			
00:15					0	12:15			22	12	34			
00:30					0	12:30			19	22	41			
00:45					0	12:45			25	95	26	82	51	177
01:00					0	13:00			34	21	55			
01:15					0	13:15			25	23	48			
01:30					0	13:30			21	27	48			
01:45					0	13:45			31	111	30	101	61	212
02:00					0	14:00			27	17	44			
02:15					0	14:15			21	22	43			
02:30					0	14:30			31	19	50			
02:45					0	14:45			26	105	23	81	49	186
03:00					0	15:00			40	23	63			
03:15					0	15:15			28	20	48			
03:30					0	15:30			28	24	52			
03:45					0	15:45			27	123	23	90	50	213
04:00					0	16:00			26	20	46			
04:15					0	16:15			14	23	37			
04:30					0	16:30			20	17	37			
04:45					0	16:45			19	79	20	80	39	159
05:00					0	17:00			18	18	36			
05:15					0	17:15			12	17	29			
05:30					0	17:30			19	24	43			
05:45					0	17:45			11	60	9	68	20	128
06:00			1	0	1	18:00			17	14	31			
06:15			2	0	2	18:15			12	16	28			
06:30			0	0	0	18:30			4	18	22			
06:45			6	9	2	2	8	11	17	50	10	58	27	108
07:00			3	0	3	19:00			9	10	19			
07:15			4	1	5	19:15			14	9	23			
07:30			1	3	4	19:30			10	13	23			
07:45			2	10	3	7	5	17	13	46	12	44	25	90
08:00			6	9	15	20:00			9	4	13			
08:15			12	7	19	20:15			9	5	14			
08:30			9	9	18	20:30			8	12	20			
08:45			7	34	4	29	11	63	9	35	4	25	13	60
09:00			17	11	28	21:00			4	7	11			
09:15			18	15	33	21:15			1	2	3			
09:30			21	12	33	21:30			4	3	7			
09:45			24	80	22	60	46	140	1	10	3	15	4	25
10:00			12	19	31	22:00					0			
10:15			23	24	47	22:15					0			
10:30			28	19	47	22:30					0			
10:45			24	87	22	84	46	171			0			
11:00			15	24	39	23:00					0			
11:15			30	22	52	23:15					0			
11:30			23	16	39	23:30					0			
11:45			20	88	25	87	45	175			0			
TOTALS				308	269	577	TOTALS			714	644	1358		
SPLIT %				53.4%	46.6%	29.8%	SPLIT %			52.6%	47.4%	70.2%		

DAILY TOTALS					NB	SB	EB	WB	Total
					0	0	1,022	913	1,935

AM Peak Hour	11:15	10:15	11:15	PM Peak Hour	14:30	13:00	15:00
AM Pk Volume	102	89	187	PM Pk Volume	125	101	213
Pk Hr Factor	0.850	0.927	0.899	Pk Hr Factor	0.781	0.842	0.845
7 - 9 Volume	44	36	80	4 - 6 Volume	139	148	287
7 - 9 Peak Hour	08:00	08:00	08:00	4 - 6 Peak Hour	16:00	16:00	16:00
7 - 9 Pk Volume	34	29	63	4 - 6 Pk Volume	79	80	159
Pk Hr Factor	0.708	0.806	0.829	Pk Hr Factor	0.760	0.870	0.864

Prepared by NDS/ATD

VOLUME

Trader Joe's Shopping Center Dwy W/O Montrose Dr

Day: Thursday
Date: 9/8/2022

City: Folsom
Project #: CA22_070181_004

DAILY TOTALS					NB	SB	EB	WB	Total			
					0	0	1,829	1,138	2,967			
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL	
00:00					0	12:00			47	27	74	
00:15					0	12:15			48	25	73	
00:30					0	12:30			33	27	60	
00:45					0	12:45			44	172	35	114
01:00					0	13:00			59	17	76	
01:15					0	13:15			46	24	70	
01:30					0	13:30			44	24	68	
01:45					0	13:45			38	187	27	92
02:00					0	14:00			44	32	76	
02:15					0	14:15			50	25	75	
02:30					0	14:30			45	18	63	
02:45					0	14:45			48	187	34	109
03:00					0	15:00			45	14	59	
03:15					0	15:15			38	23	61	
03:30					0	15:30			36	19	55	
03:45					0	15:45			35	154	26	82
04:00					0	16:00			46	29	75	
04:15					0	16:15			47	23	70	
04:30					0	16:30			44	22	66	
04:45					0	16:45			33	170	22	96
05:00					0	17:00			34	16	50	
05:15					0	17:15			42	29	71	
05:30					0	17:30			41	19	60	
05:45					0	17:45			32	149	24	88
06:00			1	1	2	18:00			28	22	50	
06:15			3	1	4	18:15			28	15	43	
06:30			4	4	8	18:30			31	17	48	
06:45			2	10	2	8	18:45		27	114	13	67
07:00			2	1	3	19:00			27	15	42	
07:15			4	1	5	19:15			23	15	38	
07:30			2	2	4	19:30			21	12	33	
07:45			4	12	5	9	19:45		16	87	9	51
08:00			12	14	26	20:00			16	10	26	
08:15			12	18	30	20:15			11	12	23	
08:30			24	19	43	20:30			17	9	26	
08:45			29	77	22	73	20:45		15	59	1	32
09:00			30	25	55	21:00			8	1	9	
09:15			27	13	40	21:15			5	0	5	
09:30			28	21	49	21:30			1	0	1	
09:45			19	104	18	77	21:45		3	17	0	1
10:00			34	30	64	22:00					0	
10:15			43	34	77	22:15					0	
10:30			36	36	72	22:30					0	
10:45			38	151	27	127	22:45				0	
11:00			38	26	64	23:00					0	
11:15			46	26	72	23:15					0	
11:30			48	33	81	23:30					0	
11:45			47	179	27	112	23:45				0	
TOTALS				533	406	939	TOTALS			1296	732	2028
SPLIT %				56.8%	43.2%	31.6%	SPLIT %			63.9%	36.1%	68.4%

DAILY TOTALS					NB	SB	EB	WB	Total		
					0	0	1,829	1,138	2,967		
AM Peak Hour			11:30	10:00	11:30	PM Peak Hour			12:45	12:00	14:00
AM Pk Volume			190	127	302	PM Pk Volume			193	114	296
Pk Hr Factor			0.990	0.882	0.932	Pk Hr Factor			0.818	0.814	0.902
7 - 9 Volume			89	82	171	4 - 6 Volume			319	184	503
7 - 9 Peak Hour			08:00	08:00	08:00	4 - 6 Peak Hour			16:00	16:00	16:00
7 - 9 Pk Volume			77	73	150	4 - 6 Pk Volume			170	96	266
Pk Hr Factor			0.664	0.830	0.735	Pk Hr Factor			0.904	0.828	0.887

Prepared by NDS/ATD

VOLUME

Trader Joe's Shopping Center Dwy W/O Montrose Dr

Day: Friday
Date: 9/16/2022

City: Folsom
Project #: CA22_070181_004

DAILY TOTALS					NB	SB	EB	WB	Total					
					0	0	2,067	1,353	3,420					
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
00:00					0	12:00			50	35	85			
00:15					0	12:15			46	28	74			
00:30					0	12:30			55	36	91			
00:45					0	12:45			50	201	28	127	78	328
01:00					0	13:00			53	39	92			
01:15					0	13:15			44	27	71			
01:30					0	13:30			50	36	86			
01:45					0	13:45			53	200	42	144	95	344
02:00					0	14:00			39	26	65			
02:15					0	14:15			55	39	94			
02:30					0	14:30			43	30	73			
02:45					0	14:45			48	185	31	126	79	311
03:00					0	15:00			52	36	88			
03:15					0	15:15			39	32	71			
03:30					0	15:30			60	28	88			
03:45					0	15:45			39	190	22	118	61	308
04:00					0	16:00			55	33	88			
04:15					0	16:15			48	36	84			
04:30					0	16:30			60	25	85			
04:45					0	16:45			46	209	25	119	71	328
05:00					0	17:00			44	21	65			
05:15					0	17:15			40	24	64			
05:30					0	17:30			46	25	71			
05:45					0	17:45			35	165	23	93	58	258
06:00			1	1	2	18:00			39	16	55			
06:15			2	0	2	18:15			34	18	52			
06:30			0	2	2	18:30			31	17	48			
06:45			0	3	3	18:45			33	137	9	60	42	197
07:00			1	1	2	19:00			26	20	46			
07:15			4	2	6	19:15			28	18	46			
07:30			1	1	2	19:30			22	16	38			
07:45			5	11	16	19:45			22	98	11	65	33	163
08:00			7	19	26	20:00			17	15	32			
08:15			26	17	43	20:15			23	6	29			
08:30			28	22	50	20:30			23	9	32			
08:45			30	91	29	20:45			8	71	4	34	12	105
09:00			34	17	51	21:00			7	2	9			
09:15			31	20	51	21:15			5	0	5			
09:30			29	29	58	21:30			1	2	3			
09:45			22	116	15	21:45			7	20	2	6	9	26
10:00			39	23	62	22:00					0			
10:15			33	31	64	22:15					0			
10:30			35	35	70	22:30					0			
10:45			39	146	28	22:45					0			
11:00			51	45	96	23:00					0			
11:15			64	45	109	23:15					0			
11:30			54	33	87	23:30					0			
11:45			55	224	32	23:45					0			
TOTALS				591	461	1052	TOTALS		1476	892	2368			
SPLIT %				56.2%	43.8%	30.8%	SPLIT %		62.3%	37.7%	69.2%			

DAILY TOTALS					NB	SB	EB	WB	Total
					0	0	2,067	1,353	3,420

AM Peak Hour	11:00	11:00	11:00	PM Peak Hour	16:00	13:00	13:00
AM Pk Volume	224	155	379	PM Pk Volume	209	144	344
Pk Hr Factor	0.875	0.861	0.869	Pk Hr Factor	0.871	0.857	0.905
7 - 9 Volume	102	102	204	4 - 6 Volume	374	212	586
7 - 9 Peak Hour	08:00	08:00	08:00	4 - 6 Peak Hour	16:00	16:00	16:00
7 - 9 Pk Volume	91	87	178	4 - 6 Pk Volume	209	119	328
Pk Hr Factor	0.758	0.750	0.754	Pk Hr Factor	0.871	0.826	0.932

VOLUME

Trader Joe's Shopping Center Dwy W/O Montrose Dr

Day: Saturday
Date: 8/27/2022

City: Folsom
Project #: CA22_070181_004

DAILY TOTALS						NB	SB	EB	WB	Total				
						0	0	2,161	1,388	3,549				
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
00:00					0	12:00			49	37	86			
00:15					0	12:15			44	25	69			
00:30					0	12:30			50	41	91			
00:45					0	12:45			53	196	32	135	85	331
01:00					0	13:00			56	31	87			
01:15					0	13:15			52	41	93			
01:30					0	13:30			52	39	91			
01:45					0	13:45			65	225	39	150	104	375
02:00					0	14:00			52	40	92			
02:15					0	14:15			57	35	92			
02:30					0	14:30			55	23	78			
02:45					0	14:45			53	217	36	134	89	351
03:00					0	15:00			42	33	75			
03:15					0	15:15			56	33	89			
03:30					0	15:30			50	40	90			
03:45					0	15:45			54	202	30	136	84	338
04:00					0	16:00			54	35	89			
04:15					0	16:15			47	38	85			
04:30					0	16:30			42	28	70			
04:45					0	16:45			50	193	28	129	78	322
05:00					0	17:00			43	21	64			
05:15					0	17:15			44	23	67			
05:30					0	17:30			42	33	75			
05:45					0	17:45			42	171	12	89	54	260
06:00			0	2	2	18:00			40	20	60			
06:15			1	1	2	18:15			27	25	52			
06:30			1	0	1	18:30			26	14	40			
06:45			3	5	3	6	18:45		23	116	17	76	40	192
07:00			2	3	5	19:00			35	13	48			
07:15			2	1	3	19:15			25	14	39			
07:30			7	4	11	19:30			15	15	30			
07:45			4	15	4	12	8	27	28	103	13	55	41	158
08:00			10	17	27	20:00			30	11	41			
08:15			25	11	36	20:15			25	6	31			
08:30			16	15	31	20:30			16	11	27			
08:45			21	72	11	54	32	126	14	85	4	32	18	117
09:00			28	22	50	21:00			13	2	15			
09:15			30	22	52	21:15			4	0	4			
09:30			39	25	64	21:30			4	1	5			
09:45			35	132	18	87	53	219	1	22	1	4	2	26
10:00			46	33	79	22:00					0			
10:15			36	34	70	22:15					0			
10:30			44	42	86	22:30					0			
10:45			54	180	33	142	87	322			0			
11:00			55	38	93	23:00					0			
11:15			56	39	95	23:15					0			
11:30			65	31	96	23:30					0			
11:45			51	227	39	147	90	374			0			
TOTALS			631	448	1079	TOTALS			1530	940	2470			
SPLIT %			58.5%	41.5%	30.4%	SPLIT %			61.9%	38.1%	69.6%			

DAILY TOTALS						NB	SB	EB	WB	Total
						0	0	2,161	1,388	3,549

AM Peak Hour	10:45	10:30	11:00	PM Peak Hour	13:45	13:15	13:15
AM Pk Volume	230	152	374	PM Pk Volume	229	159	380
Pk Hr Factor	0.885	0.905	0.974	Pk Hr Factor	0.881	0.970	0.913
7 - 9 Volume	87	66	153	4 - 6 Volume	364	218	582
7 - 9 Peak Hour	08:00	08:00	08:00	4 - 6 Peak Hour	16:00	16:00	16:00
7 - 9 Pk Volume	72	54	126	4 - 6 Pk Volume	193	129	322
Pk Hr Factor	0.720	0.794	0.875	Pk Hr Factor	0.894	0.849	0.904

Spot Speed Study

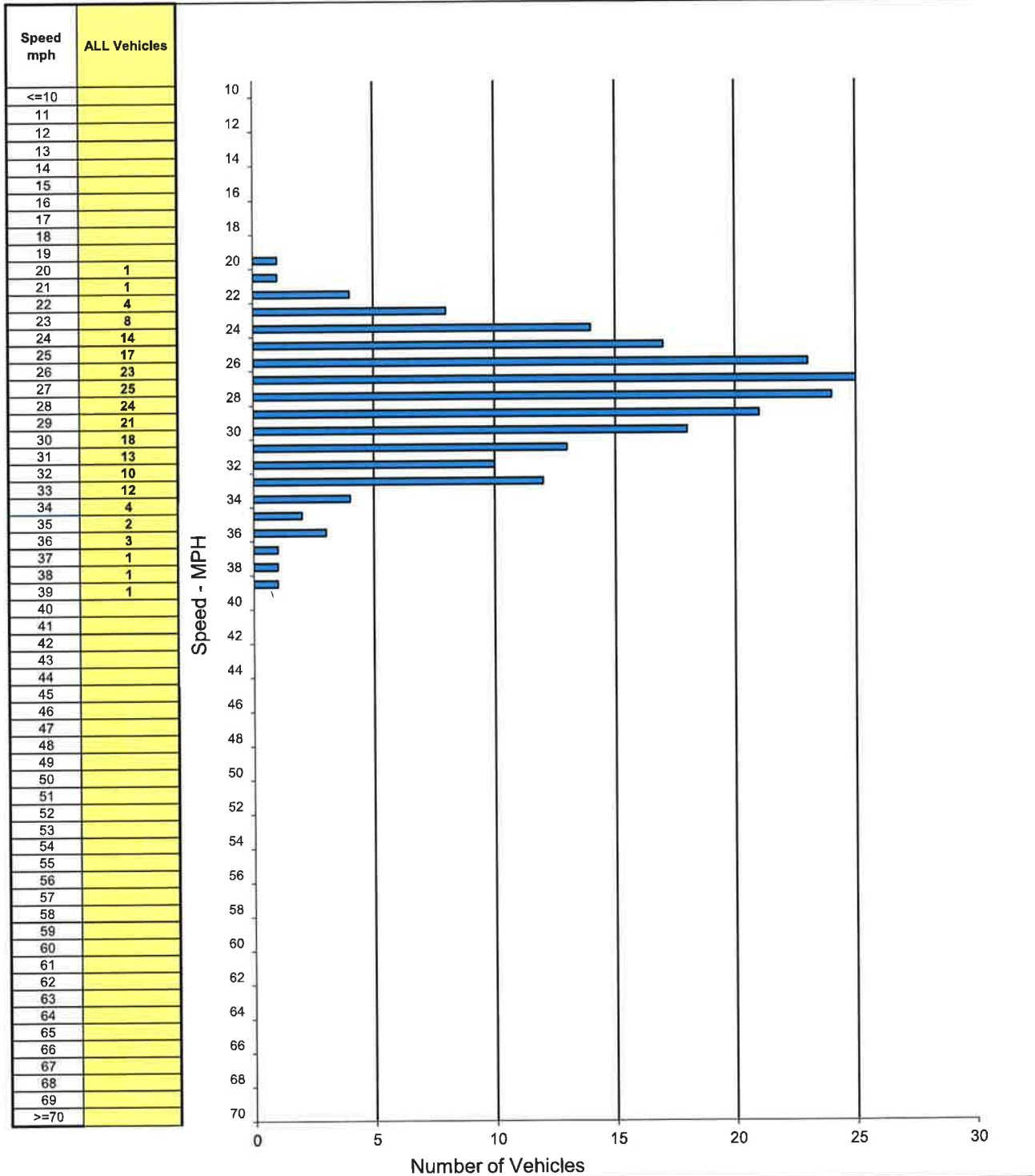
Prepared by: National Data & Surveying Services

City of Folsom

DATE: 8/24/2022
TIME: 13:15-14:15

Location: Montrose Dr & Target/Trader Joe's Shopping Center Dwy
Posted Speed: 25 MPH Clear/Dry Project #: 22-070180-001

Northbound & Southbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	203	20 - 39	28 mph	32 mph	24 - 33	177	87%	6% / 14	6% / 12

Attachment B
Warrant Analysis Worksheets

Intersection Evaluation

Montrose Drive at Target/Trader Joe's Shopping Center Driveway

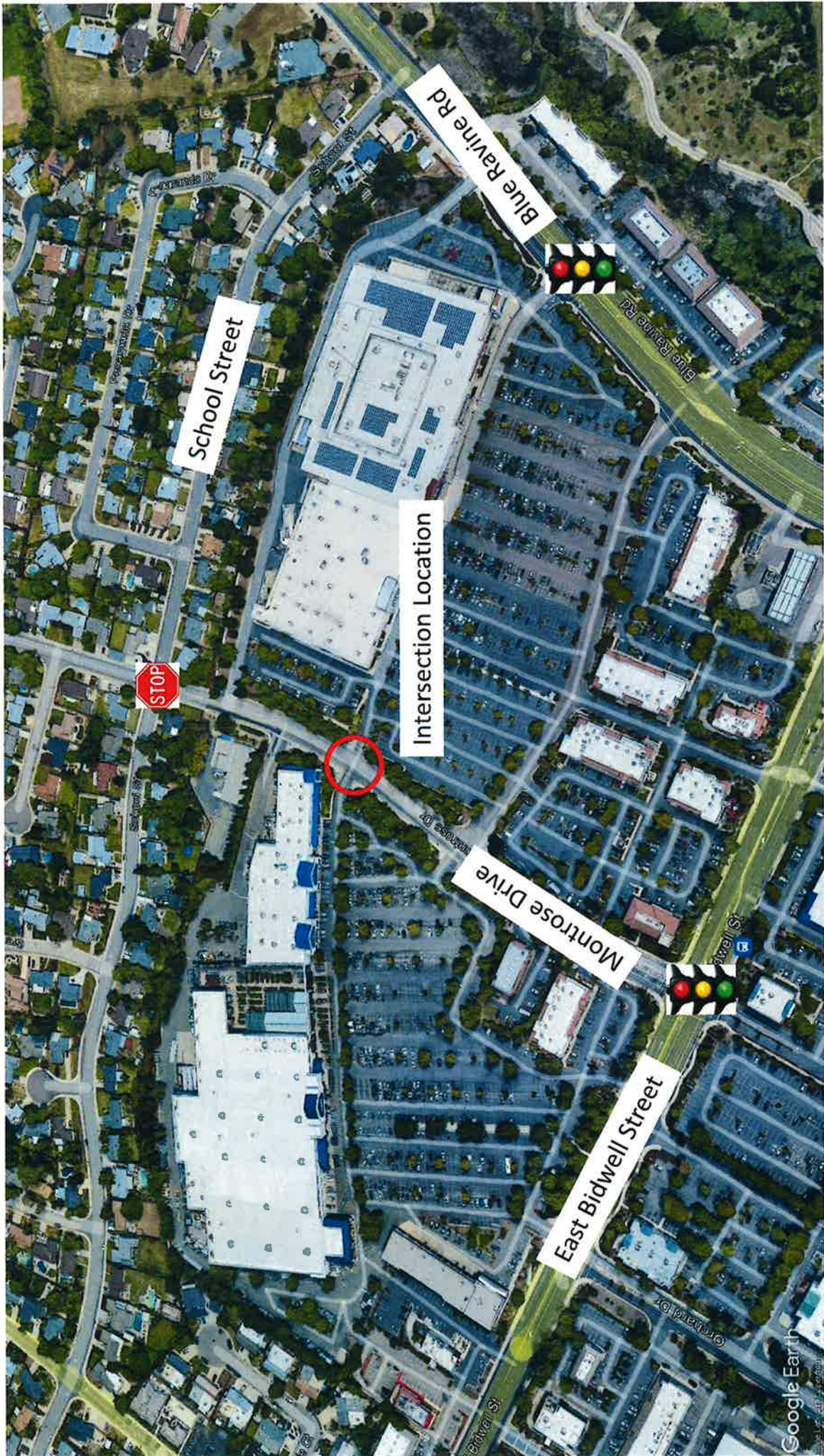
Multiway Stop Warrant Analysis (100%)

Hours	Hourly Volumes (veh/hr)	
	Major Street Approach	Minor Street Approach
	Montrose Dr	Target/Trader Joe's Shopping Center Driveway
6:00 AM	95	16
7:00 AM	239	29
8:00 AM	341	110
9:00 AM	311	174
10:00 AM	354	244
11:00 AM	433	298
12:00 PM	417	276
1:00 PM	396	294
2:00 PM	420	281
3:00 PM	419	262
4:00 PM	400	279
5:00 PM	370	237
6:00 PM	313	193
7:00 PM	235	157
8:00 PM	173	113
9:00 PM	101	42
Daily	5017	3005

Highest 8 Hours Average	401	271
Threshold	300	200
Threshold Met	Yes	Yes
Warrant Met?	YES	

Attachment 4

Map of Intersection



*This page intentionally left blank
to facilitate double-sided printing.*



CITY OF
FOLSOM
DISTINCTIVE BY NATURE