

Broadview Avenue Roadway Safety Improvements, Town of Warrenton

Daytime Work Hours Proposal

May 14, 2024



Today's Objective

- Discuss advantages of daytime work
- Brief the Council on work items GEI proposes completing during daytime operations
- Explore options for possible daytime closures



Scope of Work

- Reconstruction of the intersection of U.S. 211 (Frost Avenue) and Broadview Avenue
- Traffic signal modifications
- Installation of medians to improve safety and manage access
- Crosswalk and sidewalk upgrades



General Advantages of Daytime Work

Safety

Increased Efficiency

Reduced Disruption to Residents

Minimization of Environmental Impact

Improved Quality Control

Project Specific Advantages of Daytime Work

Safety of Pedestrians and the Travelling Public

Increased Productivity

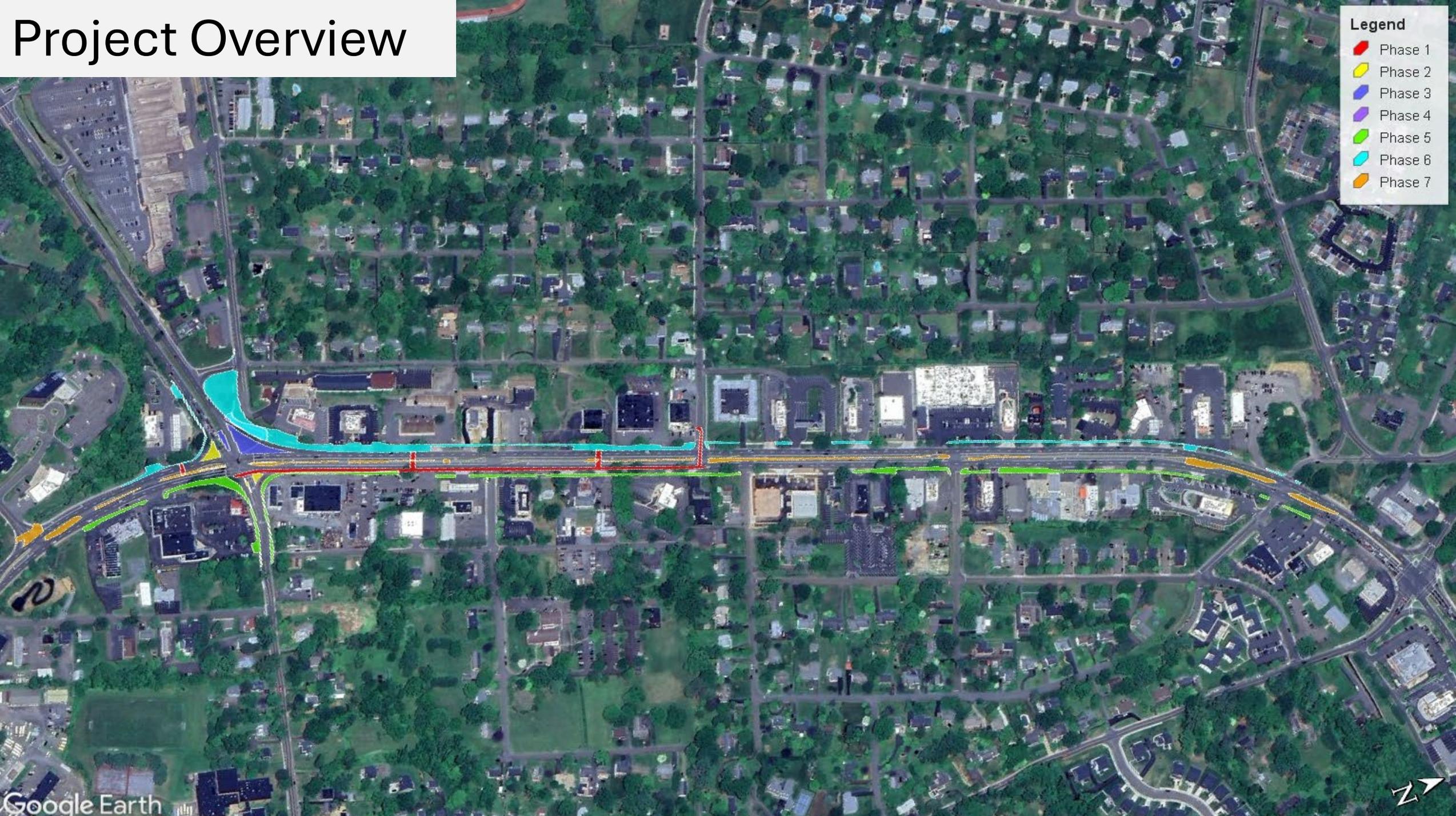
Reduced Disruption to Residents

Communications with Business Owners

Project Overview

Legend

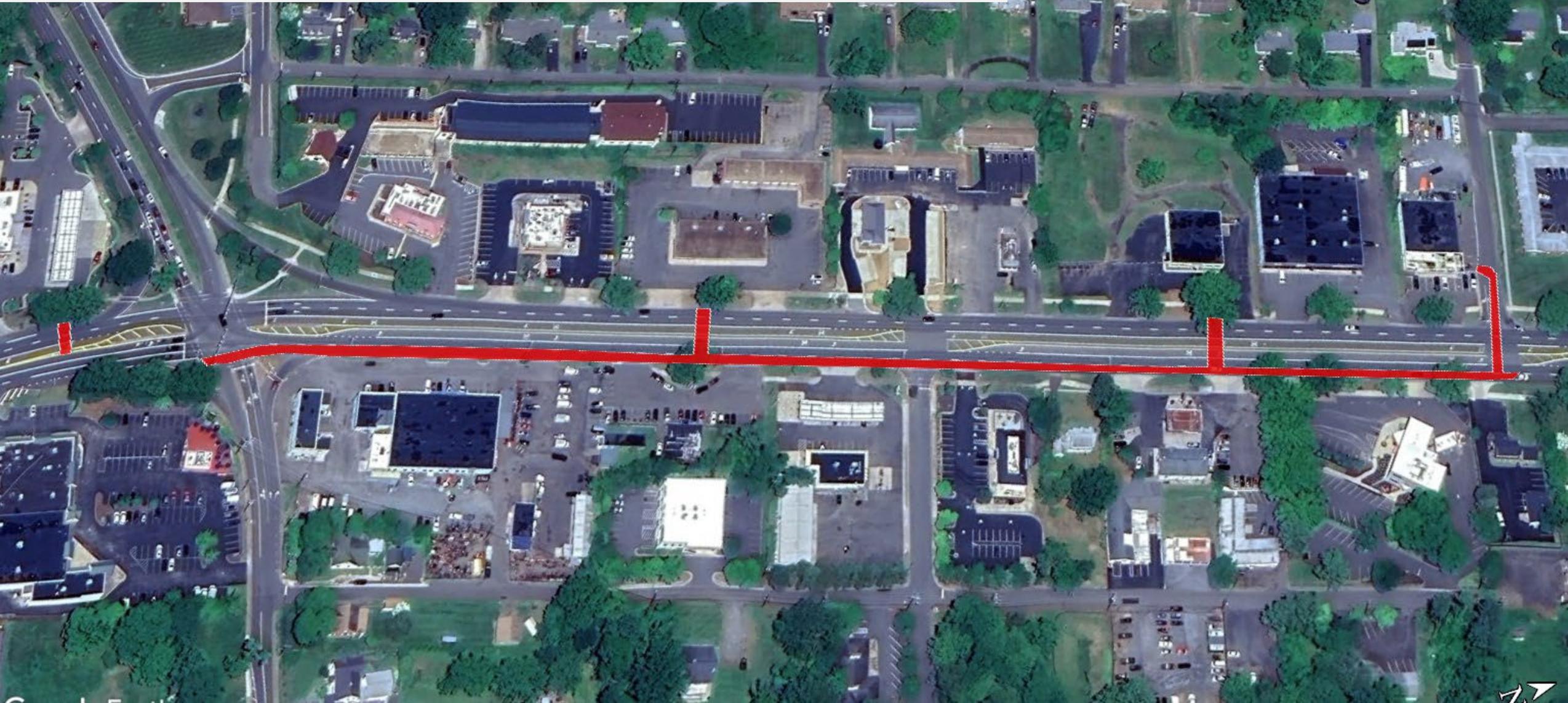
- Phase 1
- Phase 2
- Phase 3
- Phase 4
- Phase 5
- Phase 6
- Phase 7



K32 Phase 1

Waterline installation on East side of Broadview Ave. from Waterloo St. to Goldcup Dr.

Legend
Phase 1



Phase 1

Work to Be Completed This Phase

- Proposed water line to be installed on east side of roadway from intersection of Waterloo St. and Broadview Ave. to the intersection of Gold Cup Dr. and Broadview Ave.

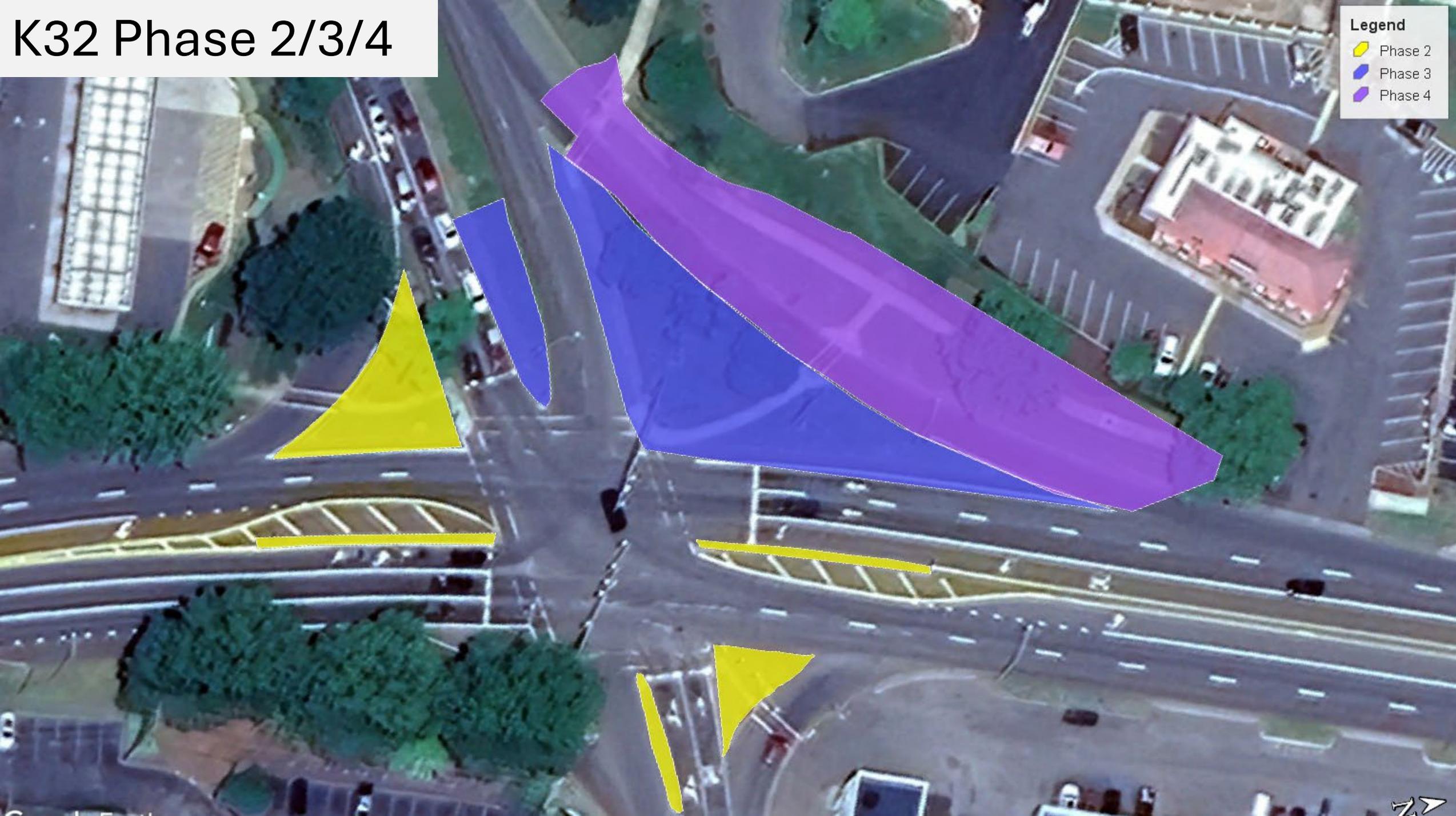
Proposed Daytime Work This Phase

- Utility Test Holes
- Waterline (where feasible)

K32 Phase 2/3/4

Legend

- Phase 2
- Phase 3
- Phase 4



Phase 2/3/4

Work to Be Completed This Phase

- Intersection Improvements within the intersection of Broadview Avenue, Waterloo Street, Frost Avenue
- Installation of curb, sidewalk, medians, islands
- Traffic signal upgrades

Proposed Daytime Work This Phase

- Sidewalks
- Curb and island reconstruction that can be completed using partial lane closures
- Signal work outside of active traffic areas, to include signal pole foundations and conduit boring where feasible

K32 Phase 5

Remove and replace sidewalk, lighting, and new signal on Northbound side of Broadview Ave.

Legend
Phase 5



Phase 5

Work to Be Completed This Phase

- Sidewalk upgrades, driveway aprons, curb and street lighting will be installed along the east side of Broadview
- Median and curb reconstruction on east side of Waterloo Street and Broadview Intersection.

Proposed Daytime Work This Phase

- Concrete flatwork (curb, sidewalk, entrances)
- Street lighting
- Paving
- Portions of curb reconstruction on Waterloo Street

K32 Phase 6

Remove and replace sidewalk, lighting, and new signal on Southbound side of Broadview Ave.

Legend
Phase 6



Phase 6

Work to Be Completed This Phase

- Sidewalk upgrades, driveway aprons, curb and street lighting will be installed along the west side of Broadview
- Median and curb reconstruction on Frost Avenue

Proposed Daytime Work This Phase

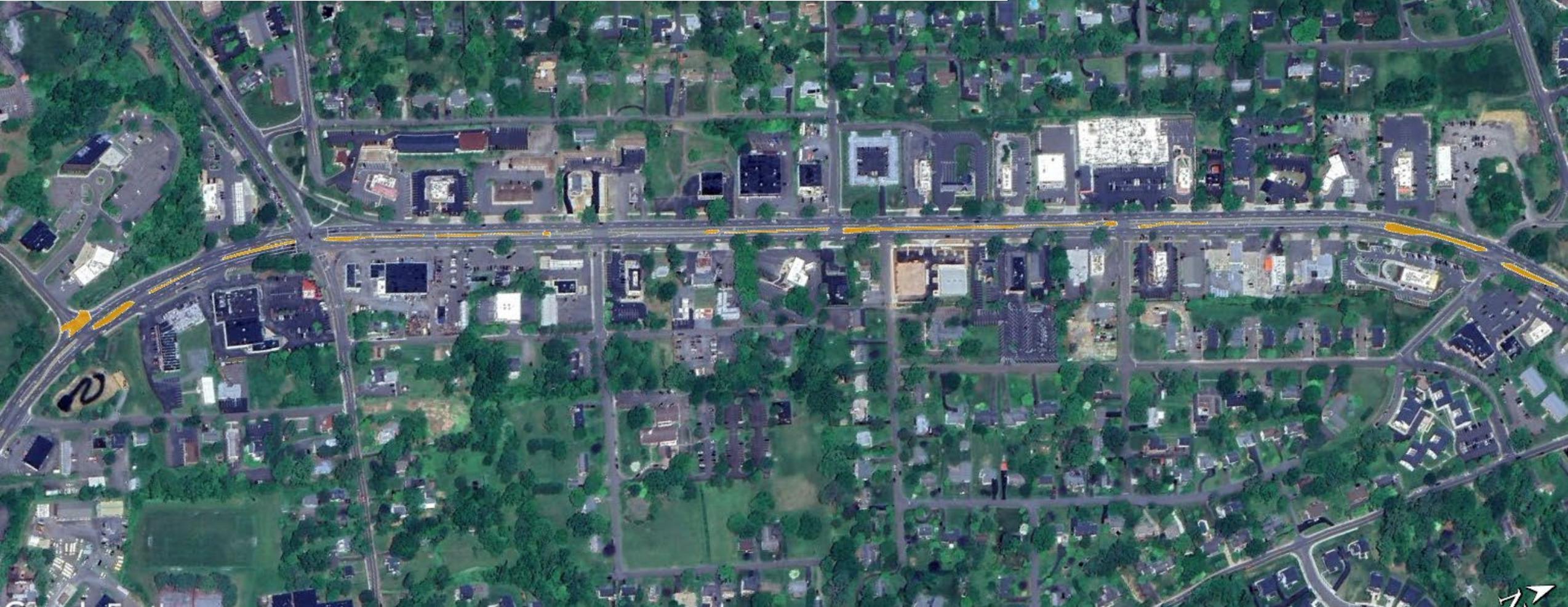
- Concrete flatwork (curb, sidewalk, entrances)
- Street lighting
- Paving
- Portions of curb and median work on Frost Avenue

K32 Phase 7

All Broadview Ave. traffic to be shifted to outside lanes. Inside lanes will be closed and median will be constructed at this time. Mill and overlay of asphalt and pavement markings will also be completed in this phase.

Legend

 Phase 7



Phase 7

Work to Be Completed This Phase

- Concrete medians to be constructed on Broadview Avenue
- Final paving and pavement markings

Proposed Daytime Work This Phase

- Concrete Flatwork (Curb, Sidewalk, Entrances)
- Paving (Where Feasible)
- Street Lighting

Summary of Requested Daytime Work Items (In Order of Precedence to Time-Savings)

- Concrete Flatwork (All Phases)
- Storm Drainage (All Phases)
- Sign Installations (Phase 7)
- Traffic Signal Improvements (Phases 2/3/4)
- Portions of Waterline Installation (Phase 1)

Example of Traffic Control Plan (Phase 5)

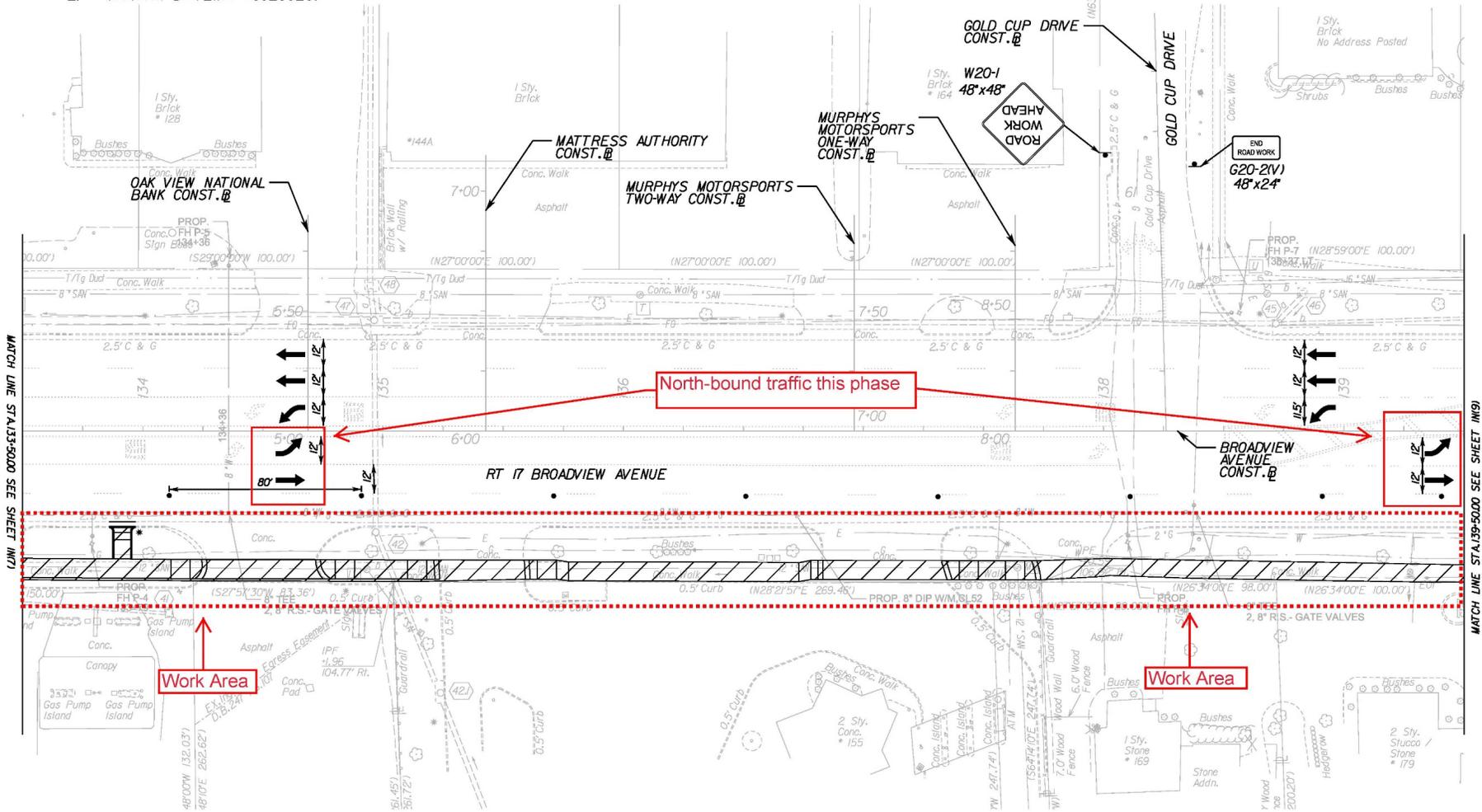
SUBSURFACE UTILITY BY DATE ACCUMARK, INC. 08-19-2020

MAINTENANCE OF TRAFFIC PHASE V

Wallace Montgomery
Vienna, Virginia
TRAFFIC ENGINEER

VA.	11/29 BUS /211	10/17-20/200 P-101, R-201, C-501 7017-156-309 P-101, R-201, C-501	IN(8)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT			

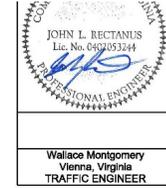
- NOTE
- PEDESTRIAN ACCESS SHOULD BE MAINTAINED EXCEPT WHERE ADJACENT TO ACTIVE WORK ZONE. UTILIZE VMAPM STD. TTC-35J.
 - MAINTAIN DRIVEWAY ACCESSES.



Example of Traffic Control Plan (Phase 7)

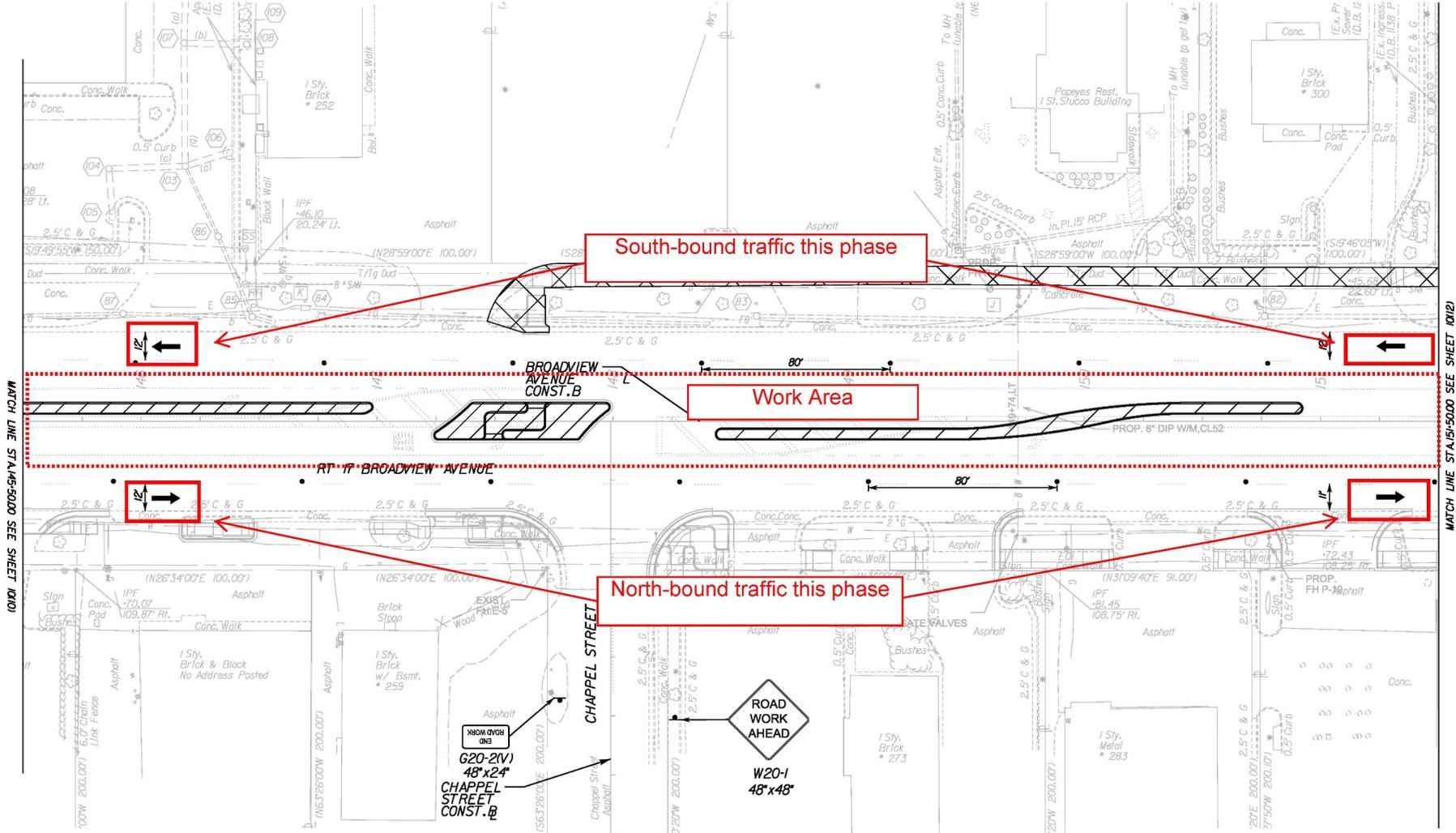
SUBSURFACE UTILITY BY, DATE ACCUMARK, INC. 08-19-2020

MAINTENANCE OF TRAFFIC PHASE VII



VA.	11/29/21	P-101, R-201, C-501 7017-156-309 P-101, R-201, C-501	10(11)
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DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



MATCH LINE STA. 145+50.00 SEE SHEET 1010

MATCH LINE STA. 151+50.00 SEE SHEET 1012

Asphalt
END ROADWORK
G20-2(V)
48"x24"
CHAPPEL STREET
CONST. B

ROAD WORK AHEAD
W20-1
48"x48"

Q&A Session

