



Excavation & General Contractor, Inc.

TRAFFIC CONTROL PLAN
FOR
Kennebec Water District
Pleasant Street Area Water Main Improvements
DHHS Project Contract #: 2023-35
KWD JOB #22-W10
Waterville, Maine
February 1st, 2024

Prepared by:

Kolby S. Martin
NITRAM Excavation & General Contractor, Inc.
330 Neck Road
Benton, Me 04901

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207-453-2362



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Description of Project:

NITRAM, Inc. will be working on the replacement of the existing water mains, fire hydrants and all service lines on Pleasant Street, Place, Court and Center Street between Pleasant Street and Elm Street in Waterville, Maine. The sections of road Nitram will be working on are approximately 4,500 feet long. It is anticipated that this project will take between 28-32 weeks.

Section A - Contacts:

Nitram's Traffic Control Supervisor for this project will be:

Scott Martin, President; Cell # 692- 7749

Kolby Martin, Operations Manager; Cell # 692-7746

Kenny Reid, Supervisor; Cell# 692-6001

Scott, Kolby, and Kenny have the authority to correct issues and to shut the job down if necessary and shall be the responsible person for all site signage and be the 24/7 emergency response person.

Section B - Phasing:

Phase 1: Main Street to North Street. This section of road would be closed to all traffic until the main is installed. Then closed periodically to finish services and paving. 600 Feet of Road Closure

Phase 2: North Street to Park Street. This section of road would be reduced to one way south bound traffic only; closing the northbound lane (North St. to Park St.) constantly until this phase is complete. Pleasant Place & Center Street would be closed during main installation. 1,200 Feet of Lane Closure

Phase 3: Western Ave to Park Street. This section of road would be reduced to one way south bound traffic only; closing the northbound lane (Western Ave to Park St.) constantly until this phase is complete. 1,600 Feet of Lane Closure

Temporary signage, cones and barrels will be in place when the lane is shifted & when the road is closed during construction hours.

The sequence of work will be coordinated with the Kennebec Water District, Waterville Public Works, and any appropriate utilities.

Meetings will be held as necessary to discuss progress, anticipated work schedules and resolve any conflicts.



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Section C – Traffic Movement:

Phase 1: While working on this section of Pleasant Street traffic will need to travel to North Street to access Pleasant Street. While doing the work on Main Street flaggers will be used and a lane shift is expected.

Expected Working Days: 10

Phase 2: Traffic traveling south bound on Pleasant Street will not be interrupted by our work. However, traffic wanting to travel north on Pleasant Street will need to take the detour laid out in Section G. Traffic on Pleasant Court and Center Street will be closed during the day and re-opened at night.

Expected Working Days: 60

Phase 3: Traffic traveling south bound on Pleasant Street will not be interrupted by our work. However, traffic wanting to travel north on Pleasant Street will need to take the detour laid out in Section G.

Expected Working Days: 50

Pedestrian Traffic: Pleasant Street has sidewalks running down both sides of the street. So pedestrian walking impact is not expected.

Section D- Traffic Control Treatments:

Temporary traffic control treatments will consist of temporary signs set upon easels and the use of reflective traffic cones and barrels. Signs and other traffic control devices will meet current MUTCD requirements for spacing and placement. Nitram anticipates the use of certified flaggers in certain situations to assist in the flow of traffic. Any trenches left open overnight will be covered with steel plates and have machines parked up against them. Light towers will be used on Western Ave work to supply lighting to the job while its done after sundown.

All changes in traffic patterns will be in place before morning commuting traffic (7:00am)

Road/Lane Closures will be in place 24/7 while each phase of work is being completed.

All night work will be performed between the hours of 8:00pm – 6:00am. (Unless otherwise specified)

All trench work done on State Roads will be paved within a week of final pipe installation. Reclaim will be used for temporary surface restorations.

The sign package anticipated for this job includes:



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Work Area:

- Road Work Ahead
- Detour Ahead
- One Lane Road Ahead
- Lane Shift
- Detour Left/Right/Straight
- Flagger Sign
- Road Closed Local Traffic Only
- End Road Work

Other Typical Signs:

- Be Prepared to Stop
- Bump
- Low Shoulder
- No Left Turn
- No Right Turn

This sign package is a minimum, other signs may be required as work progresses.

Section E - Flaggers:

The anticipated Flagging subcontractor for this project is Project Flagging. It is anticipated that only the Main Street, Western Ave & North Street intersection work will require multiple flaggers. Light towers will be provided in night work scenarios.

Section F – Impact Notification:

Nitram Excavation will be monitoring traffic backups and will adjust as necessary. Special attention will be taken during high traffic times including morning afternoon rush hours and when area schools are open.

All changes in traffic patterns will be communicated with the City of Waterville, Waterville Police Department, and Waterville Fire Department prior to laying out signage.

In the event of a significant traffic impact, local emergency officials and local government officials will be notified. Below is a list of contacts for this project.

Emergency Phone Numbers:

- Maine State Police – 207-657-3030
- Kennebec County Sheriff's Dept. – 207-623-3614
- Waterville Police Dept. 207-680-4700 or 911 in case of emergency
- Waterville Fire Dept. – 207-680-4735 or 911 in case of emergency
- Waterville Public Works, Matt Skehan, 207-680-4744
- Kennebec Water District Office # – 207-872-2763



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Waterville Post Office – 800-275-8777
MDOT Safety Director, Bob Skehan - 207-624-3349
Nitram Excavation Project Superintendent, Scott Martin - Cell# 692-7749
Nitram Excavation Project Manager, Kolby Martin – Cell # 692-7746
Nitram Excavation Office # 453-2362
Central Maine Power Co. – 1800-696-1000

Section G – Detours:

Phase 1: Traffic that needs to turn and use Pleasant Street will be directed to take Main Street to North Street and vice versa. Expected Working Days: 10

Phase 2: Traffic that is traveling south on Pleasant from North Street will be uninterrupted. Traffic that needs to travel on Pleasant Street coming from Western Ave will be directed down Park Street to Elm St, then to travel to Main St and to turn left onto North Street to re-enter Pleasant Street. Center Street will be closed during main installation on that road but outside that time it will have a sign saying, “Road Closed Center St Traffic Only”.
Expected Working Days: 60

Phase 3: Traffic that is traveling south on Pleasant from North/Park Street will be uninterrupted. Traffic that needs to travel on Pleasant Street coming from Western Ave will be directed down Western Ave to Elm St, then to turn left onto Park St to re-enter Pleasant Street.
Expected Working Days: 50

Section H – Maximum Length of Lane Closure:

The maximum length of contiguous lane closure will be 1,600 feet in Phase 3. Phase 2 is approximately 1,280 feet and Phase 1 is 625 feet.

Section I – Temporary Road Surface:

The temporary road surface will be one of the following: gravel, reclaim or existing pavement. Dust control will be accomplished utilizing water and calcium as needed. The surface will be swept daily to eliminate the buildup of debris.

Temporary road surfaces will be properly delineated with signs, cones, and barrels (2009 MUTCD). Dust will be controlled to ensure adequate visibility for passing traffic.

Each night and weekend the road surface will be stabilized to stand heavy rains with all road water being diverted to a stabilized area.

Work performed on State Roads will be restored to its previous condition within a week following the final required construction. Until then necessary measures will be taken to maintain safe travel for traffic.



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Section J – Coordination of Temporary Items:

Temporary delineators shall consist of cones and barrels and will be placed so as not to interfere with the traveling public.

It is anticipated that Traffic signals will not be used for this project.

Light Towers will be supplied and used when working after sunset.

Type I & III barricades will be used in specific locations to assist in keeping traffic out of the north bound lanes.

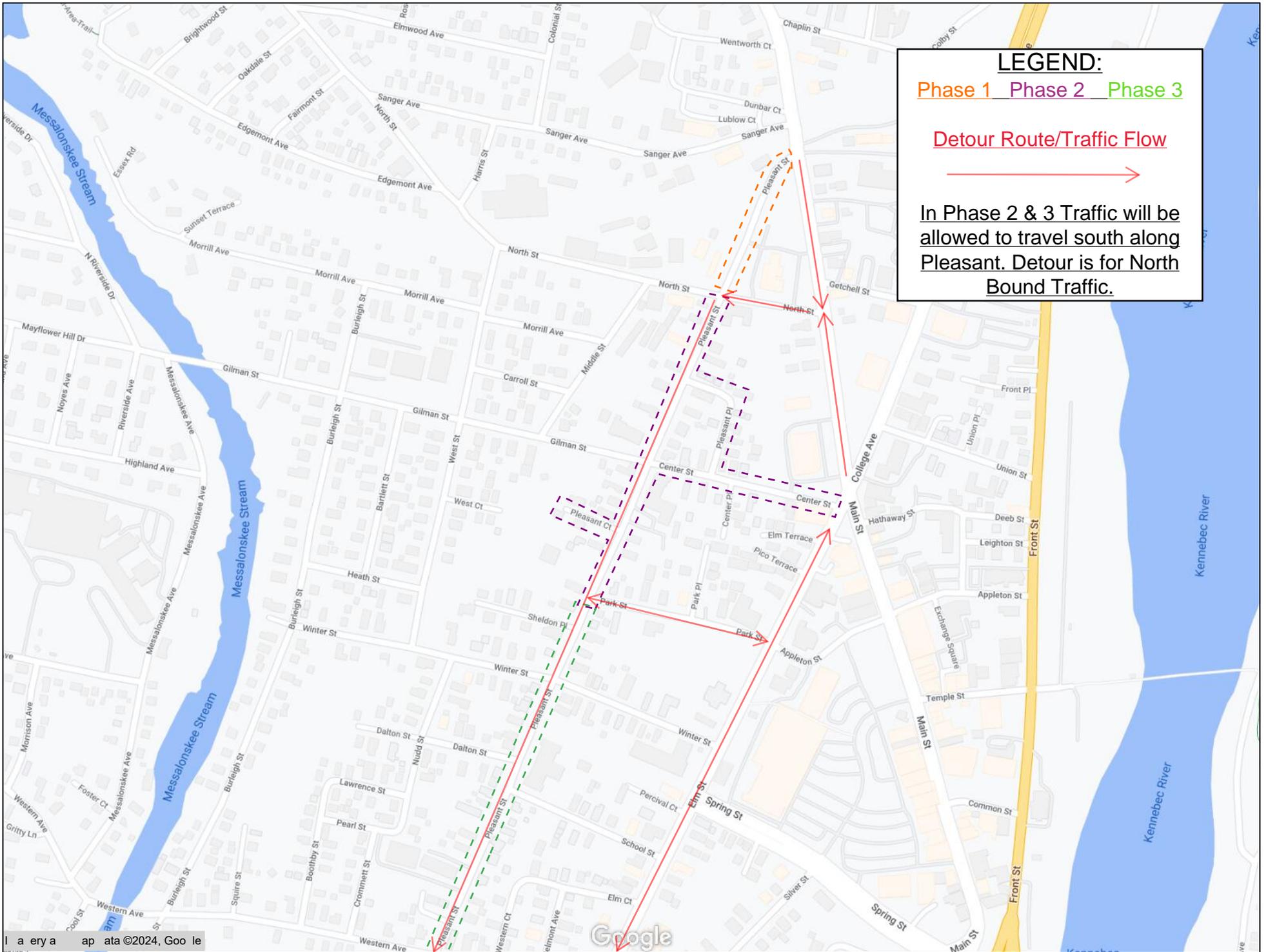
Section K: Night Work

Work on Western Ave will be done at night to lessen the impact of the shutdown. Therefore we will supply light towers at all flagger locations at least 1 at the excavation site to provide sufficient lighting for everyone. All workers will be wearing HI-VIS Grade 3 or better vests as well as pants for the flaggers.

Please contact me with any questions or concerns.

Kolby Martin

Attachments:
Detour Maps 1-4



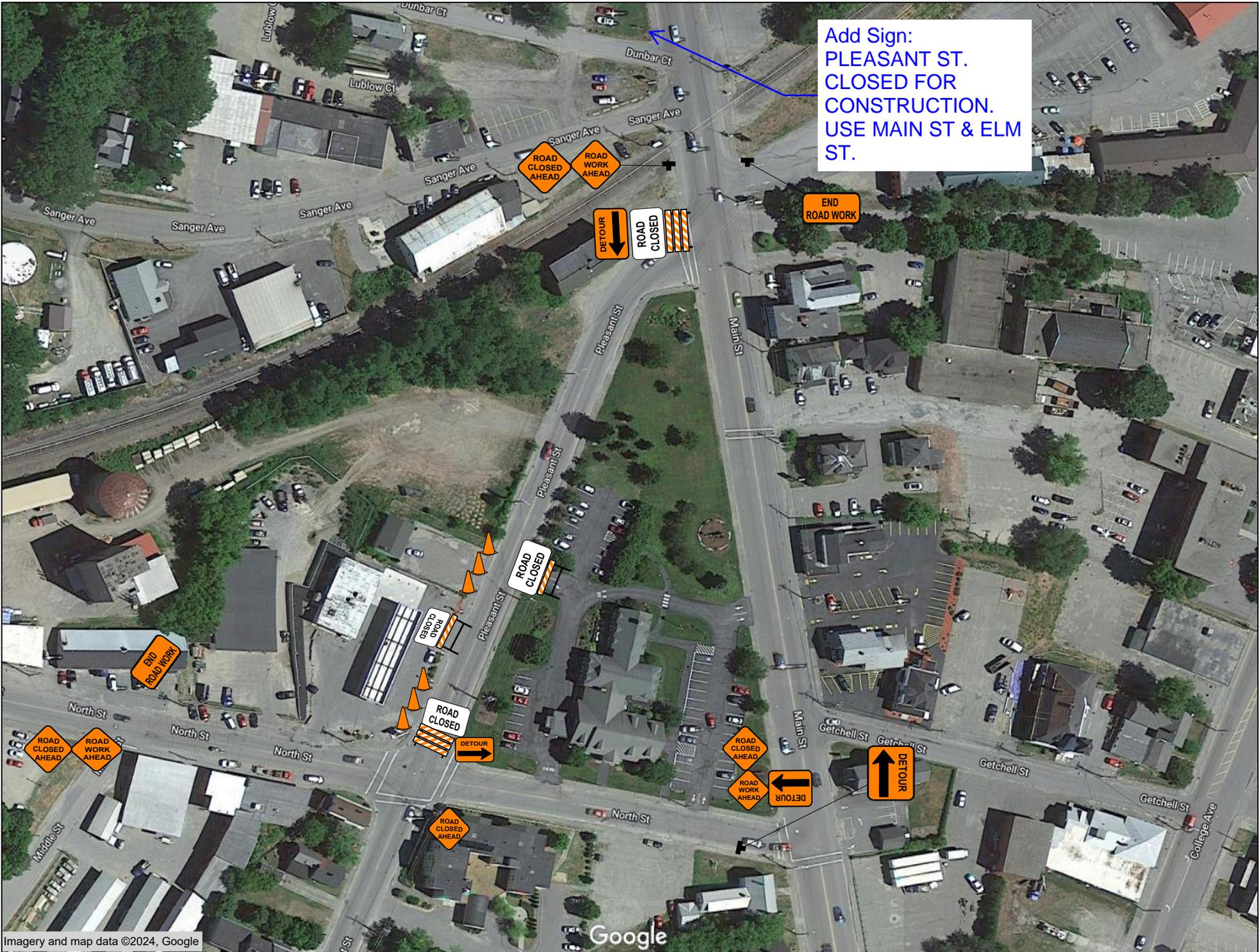
LEGEND:

Phase 1 Phase 2 Phase 3

Detour Route/Traffic Flow



In Phase 2 & 3 Traffic will be allowed to travel south along Pleasant. Detour is for North Bound Traffic.



Add Sign:
PLEASANT ST.
CLOSED FOR
CONSTRUCTION.
USE MAIN ST & ELM
ST.

ROAD
CLOSED
AHEAD

ROAD
WORK
AHEAD

DETOUR
↓

ROAD
CLOSED

END
ROAD
WORK

ROAD
CLOSED

ROAD
CLOSED

DETOUR
→

ROAD
CLOSED
AHEAD

ROAD
WORK
AHEAD

DETOUR
←

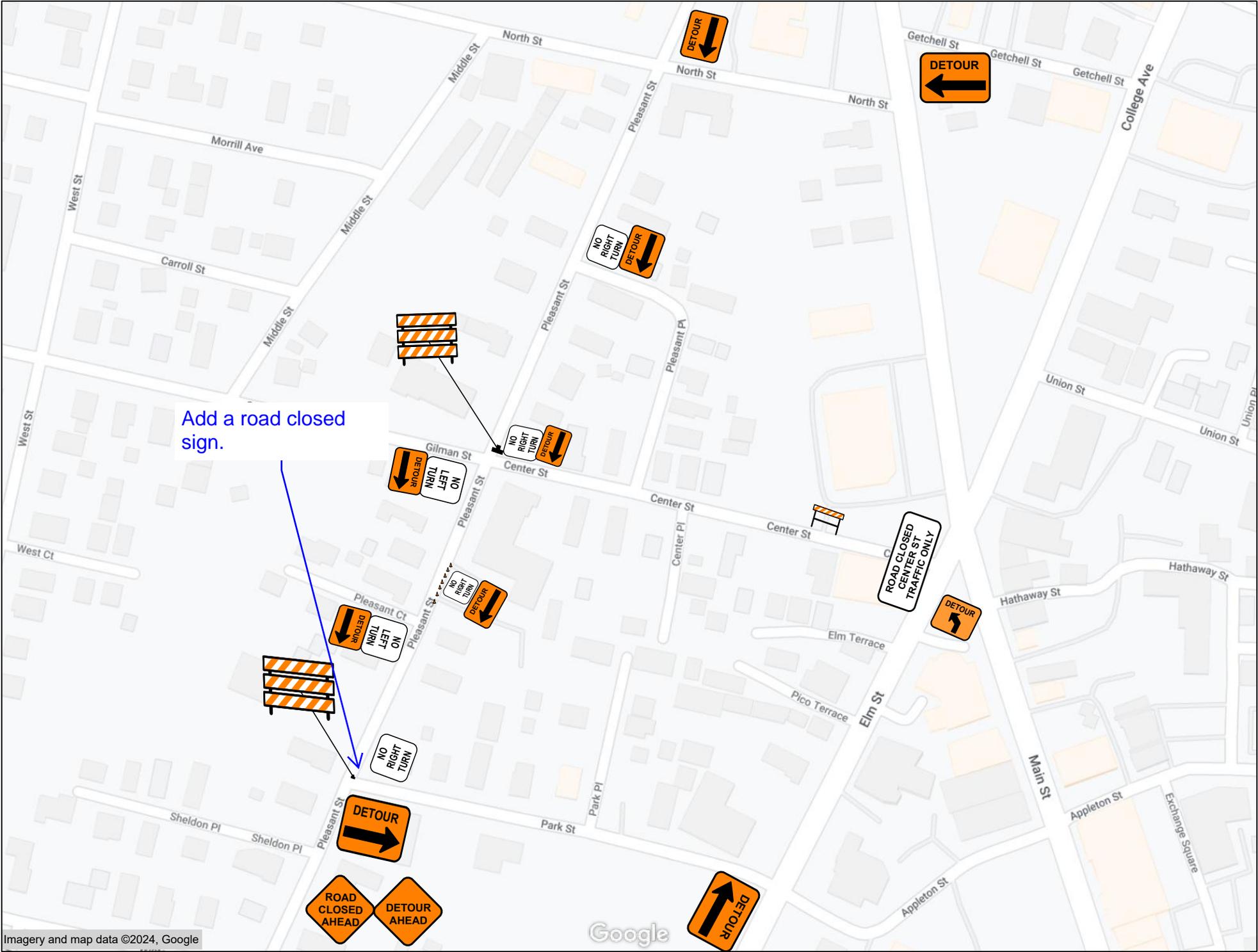
DETOUR
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END
ROAD
WORK

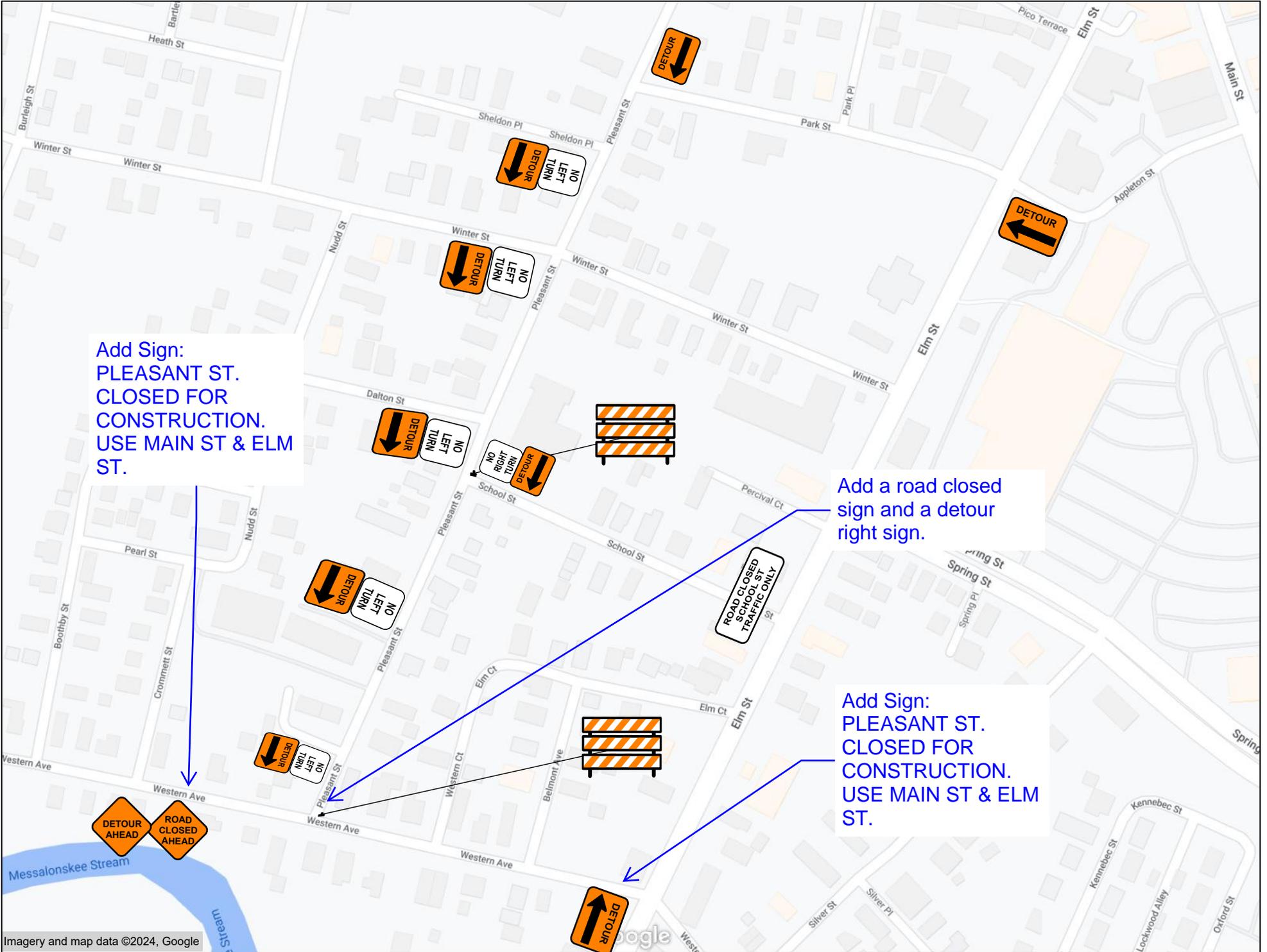
ROAD
CLOSED
AHEAD

ROAD
WORK
AHEAD

ROAD
CLOSED
AHEAD



Add a road closed sign.



Add Sign:
PLEASANT ST.
CLOSED FOR
CONSTRUCTION.
USE MAIN ST & ELM
ST.

Add a road closed
sign and a detour
right sign.

Add Sign:
PLEASANT ST.
CLOSED FOR
CONSTRUCTION.
USE MAIN ST & ELM
ST.

