**KENDUSKEAG AVE.**
WIN 026095.00

**STILLWATER AVE.**
WIN 027176.00

# BANGOR I-95 BRIDGE REPLACEMENTS

Public Meeting
August XX, 2024

MaineDOT HNTB

# PROJECT AREA MAP

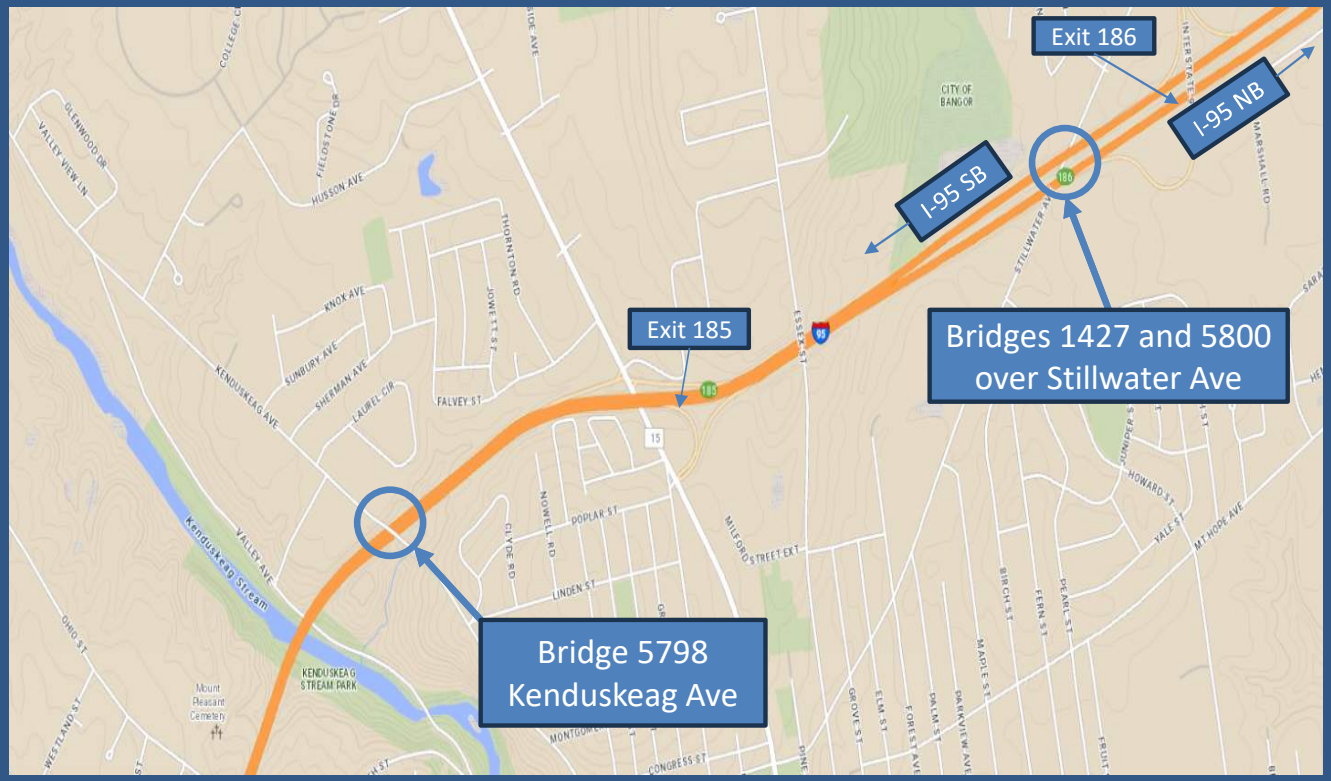
**Project Site Description:**

**Kenduskeag Ave. over I-95 (#5798)**

- 4-span steel bridge carrying Kenduskeag Ave. over I-95 northbound and southbound
- Located 0.4 miles south of exit 185

**I-95 over Stillwater Ave. (#5800, #1427)**

- Twin 3-span bridges carrying I-95 NB & SB over Stillwater Ave.
- Located at exit 186

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# PROJECT GOALS

**Kenduskeag Ave. over I-95 (#5798)**

- Replace aging bridge
- Reduce maintenance costs and increase service life of the bridge
- Provide pier protection in I-95 Median

**I-95 over Stillwater Ave. (#5800, #1427)**

- Replace aging bridges
- Reduce maintenance costs and increase service life of the bridges
- Improve I-95 shoulder widths, exit, and entrance ramps to meet current standards
- Increase vertical clearances over Stillwater Ave.
- Widen Stillwater Ave. to include center turning lane

**Overall Goals:**

- Minimize impacts to private property, environment, and traveling public
- Thorough coordination with adjacent construction projects
- Identify a cost-effective solution

# KENDUSKEAG AVE. BRIDGE

**Existing Bridge**

- 4-span steel beam bridge
- Kenduskeag AADT: 3,760 (2023)
- I-95 NB/SB AADT: 25,700/24,820 (2023)
- Existing vertical clearance: 16.25’
- Roadway: Two 11’ lanes/ 2-3’ shoulders

**Conceptual Solution:**

- 2-span steel girder bridge
- I-95 median pier protection

**Site Constraints:**

- Aerial utilities spanning I-95
- Residential area north of bridge

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# KENDUSKEAG AVE. MAINTENANCE OF TRAFFIC

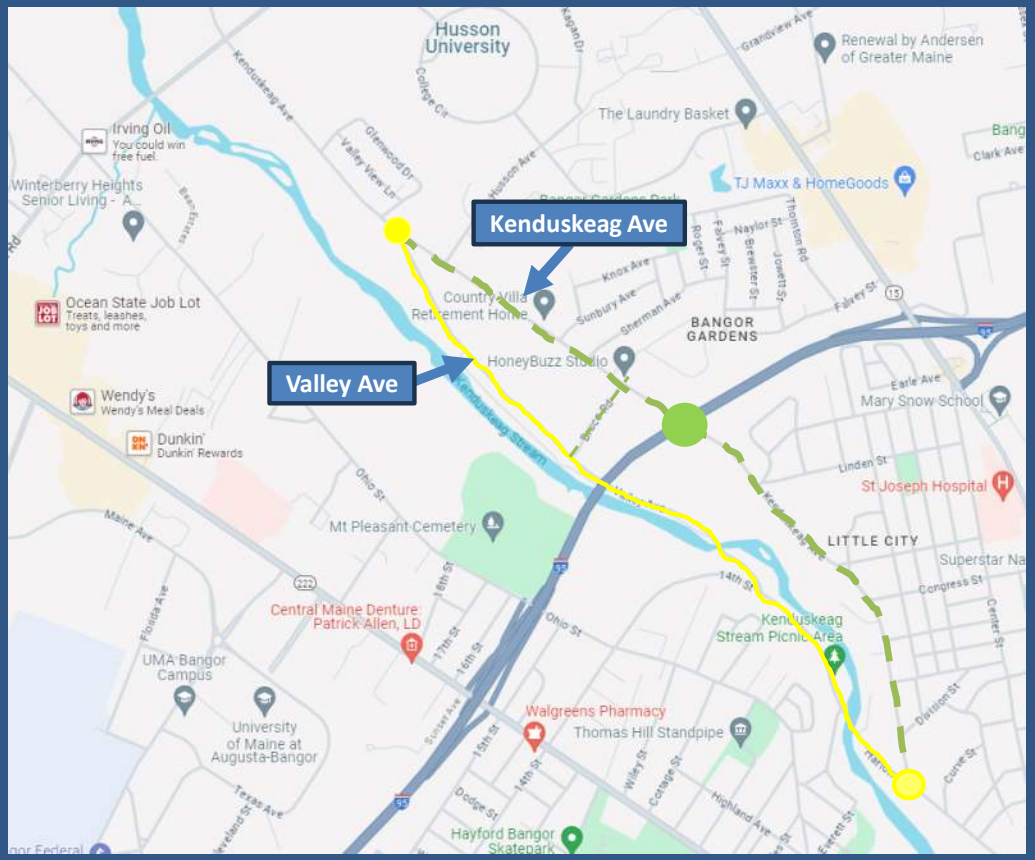
**Goals**

**Kenduskeag Ave.**

- Minimize construction duration by closing bridge
- Use Valley Ave. to detour traffic (6 min, 3 miles)

**I-95 NB & SB**

- Minimize impacts to traffic by utilizing lane shifts to accommodate construction of median pier
- Minimize closures for girder erection to night closures only

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# I-95 NB/SB BRIDGES OVER STILLWATER AVE

**Existing Bridge**

- I-95 NB/SB AADT: 24,890/25,890 (2023)
- Existing vertical clearance NB/SB: 14.5’/14.66’
- Roadway: Two 12’ lanes, 8-12’ shoulders
- Bridge: Two 12’ lanes, 3’ shoulders

**Conceptual Solution:**

- 3 lane steel girder bridges
- Improve shoulder widths to meet current standards
- Improve exit and entrance ramps to meet current standards
- Increase vertical clearance

**Site Constraints:**

- Underground and aerial utilities along Stillwater Ave.
- Shallow bedrock beneath existing substructure
- Pedestrian path along I-95 NB exit ramp

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# STILLWATER AVE.

**Existing Roadway:**

- AADT: 16,160 (2024)
- Posted Speed Limit: 35 MPH
- Roadway: Two 12’ Lanes/6’ Shoulder/ 5’ sidewalk along northern side

**Conceptual Solution:**

- Stillwater profile adjustments to meet vertical clearance needs
- Widen to 3 lanes to include a center turn lane

**Site Constraints:**

- Underground and aerial utilities along Stillwater Ave.
- Shallow bedrock beneath Stillwater Ave.
- Local businesses in close proximity to bridges

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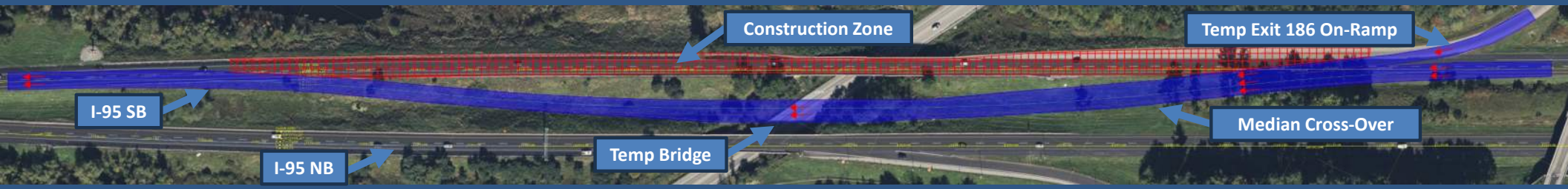
# I-95 OVER STILLWATER MAINTENANCE OF TRAFFIC

**Goals**

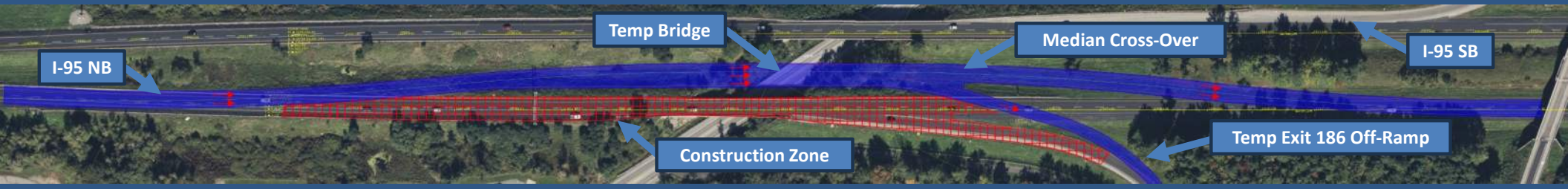
- Maintain two lanes of traffic on I-95 at all times.
- Maintain exit and entrance ramp access at all times.
- Maintain pedestrian access for path along I-95 NB off-ramp.

**Conceptual Solution**

- Construct median cross-over and temporary bridge for thru traffic during construction.
- Construct temporary ramps to allow access.




I-95 SOUTHBOUND CONSTRUCTION PHASE




I-95 NORTHBOUND CONSTRUCTION PHASE

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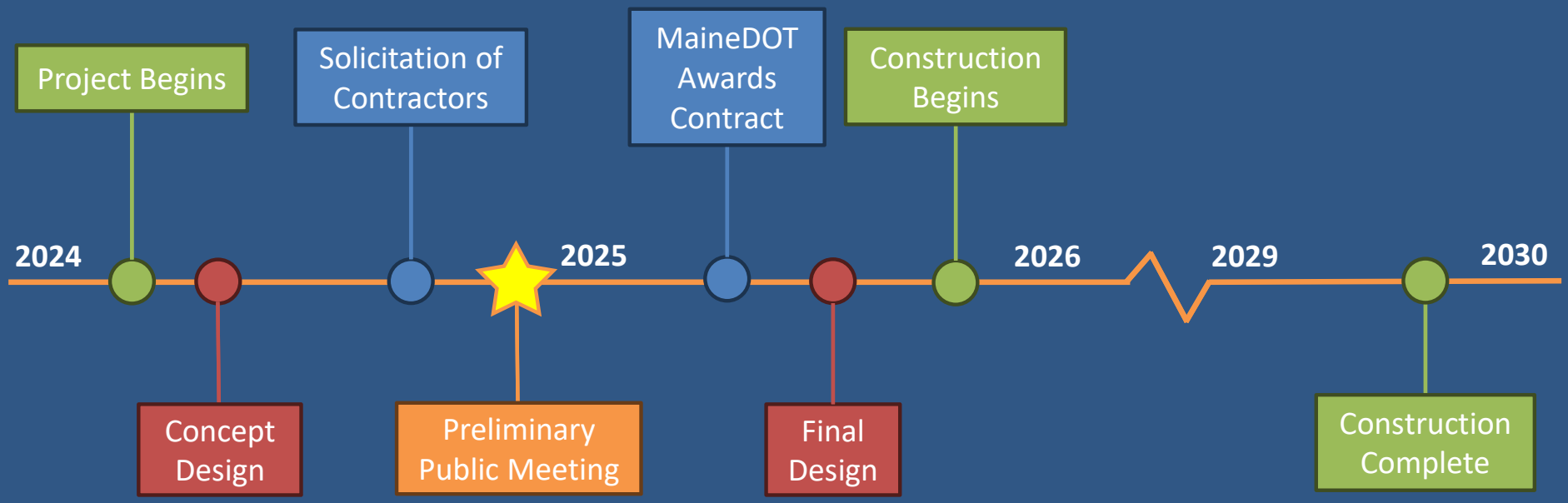
# STILLWATER AVE. MAINTENANCE OF TRAFFIC

**Goals**

- Maintain continuous traffic and pedestrian access for majority of construction
- Minimize lane closures by utilizing phased construction and lane shifts
- Minimize durations of one-way alternating traffic during utility relocations and demolition
- Minimize number of closures and limit to weekends and or nights for construction operations including girder erection or other major elements

# PROJECT DEVELOPMENT TIMELINE

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# CLOSING REMARKS

The public process is an essential part of delivering successful projects. MaineDOT uses these meetings not only to provide information but also to gather input. We appreciate the insights from local residents, businesses, and professionals with knowledge of the area. Thank you for taking the time to view this presentation. We look forward to your questions, comments, and contributions.

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