

February 9, 2021

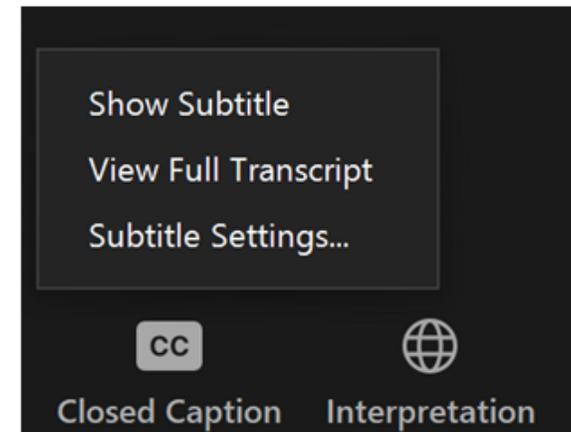
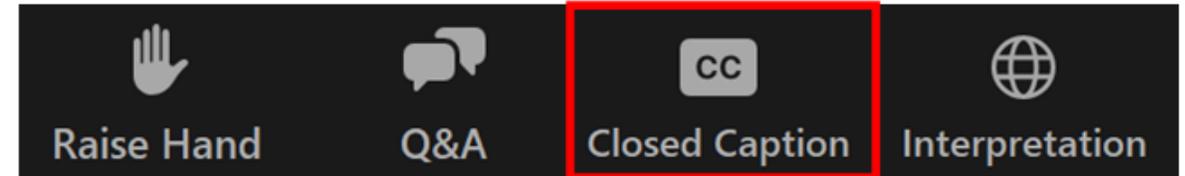
Southborough-Westborough I-90 Superstructure Replacements (EB & WB) over Woodland, Cordaville, Parkerville and Flanders Roads

Public Information Meeting



How To Use Zoom Captioning

- You can view closed captions by clicking the **Closed Captions** feature and selecting from the options shown.
- **Show Subtitle** will display a caption at the bottom of the screen.
- **View Full Transcript** will display the meeting's audio transcription in a window to the right.



Agenda

Welcome and Introductions

Project Goals

Construction Schedule and Staging

ABC Construction

Traffic Impacts & Local Detour Routes

Public Outreach Plan

Questions & Answers

MassDOT I-90 Projects



acceler-8
 I-90 BRIDGE REPLACEMENTS
 8 Bridges 8 Weekends

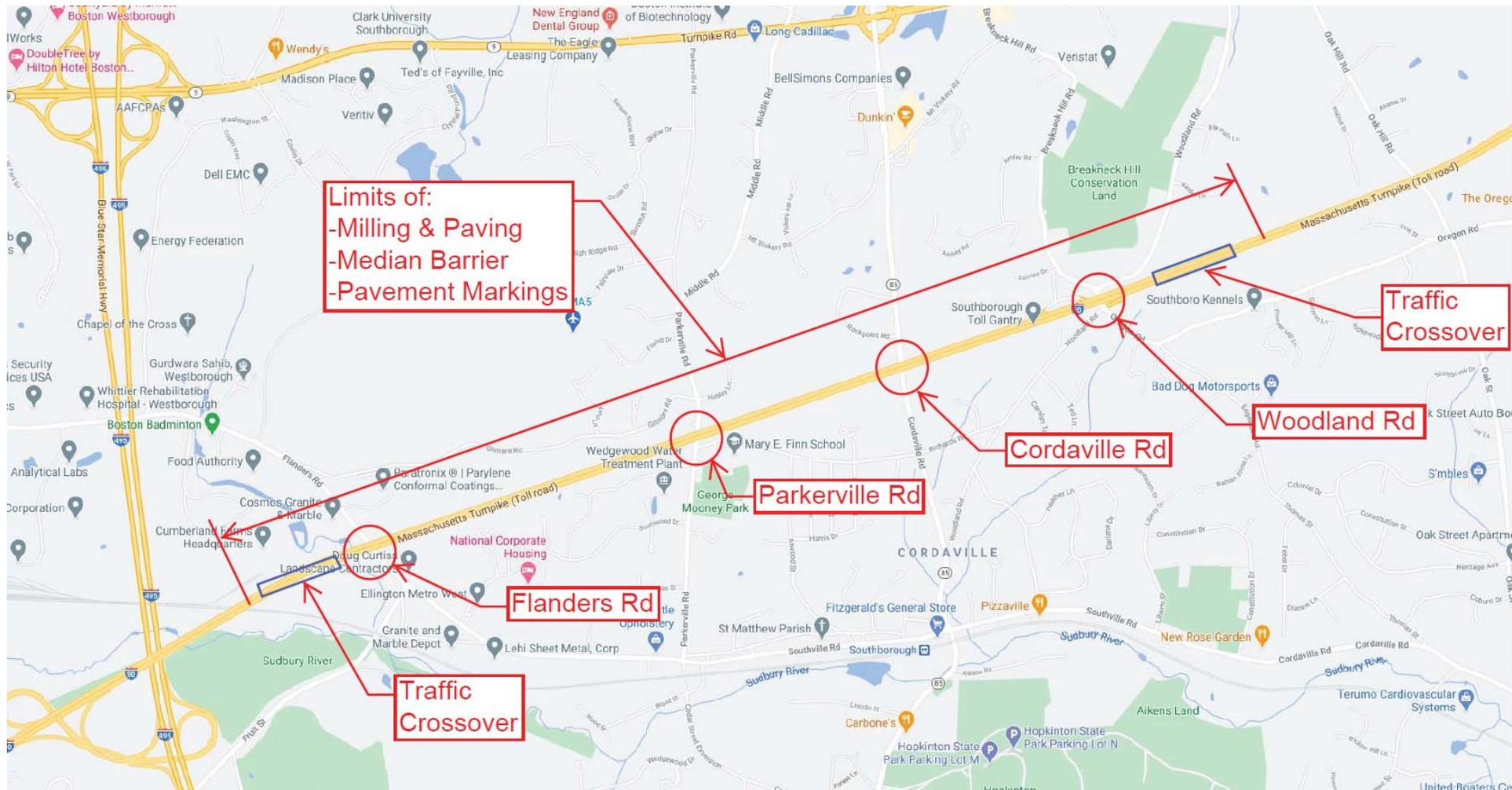


Southborough-Westborough I-90 Superstructure Replacements (EB & WB) over Woodland, Cordaville, Parkerville and Flanders Roads

Project Goals

- **Replace Failing Bridge Decks and Superstructures**
 - **Increase life of each bridge (75 Years)**
- **Improve Clearance to Local Roadways below**
- **Increase available width between Abutments of Cordaville Road**
- **Upgrade Median Barrier**
- **Upgrade I-90 Driving Surface and Pavement Markings**
- **Upgrade Shoulder Protection**
 - **New Shoulder Barrier & New Guardrail**

Work Activities and Locations



Significant Construction Work

Estimated Start Dates and Durations:

- February 2021 – March 2021 Flanders Rd. Utility Relocation
- February 2021 – May 2021 – I-90 Median Barrier Replacement
- February 2021 – July 2021 Bridge Abutments
- March 2021 – May 2021 – Median Crossover Construction
- May 2021 – Movable Barrier Trial Run
- **June 2021 – August 2021 – Rapid Bridge Replacements**
- August 2021 – October 2021 – I-90 Median Barrier Replacement
- September 2021 – November 2021 – Final Paving

Construction Staging by Weekend

56 Hour Work Window

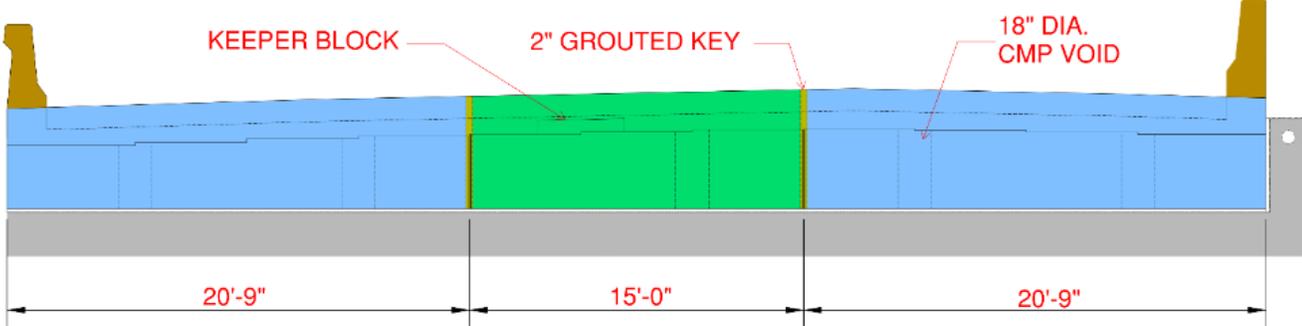
MassDOT I-90 Southborough - Westborough Acceler-8 Construction Sequence

Wknd No.	Primary Work Location	Primary Operation	Hwy. Direction	Start	24 hrs per day over Weekend		End
				FRI @ 9pm	SAT	SUN	MON @ 5am
1	Woodland Road	Bridge Replacement	WB	6/18/2021	6/19/2021	6/20/2021	6/21/2021
2	Cordaville Road	Full Bridge Replacement	WB	6/25/2021	6/26/2021	6/27/2021	6/28/2021
3	Parkerville Rd & Flanders Rd	Bridge Replacement	WB	7/9/2021	7/10/2021	7/11/2021	7/12/2021
4	Woodland Parkerville & Flanders	Waterproof & Pave	WB	7/16/2021	7/17/2021	7/18/2021	7/19/2021
5	Woodland Road	Bridge Replacement	EB	7/23/2021	7/24/2021	7/25/2021	7/26/2021
6	Cordaville Road	Full Bridge Replacement	EB	7/30/2021	7/31/2021	8/1/2021	8/2/2021
7	Parkerville Rd & Flanders Rd	Bridge Replacement	EB	8/6/2021	8/7/2021	8/8/2021	8/9/2021
8	Woodland Parkerville & Flanders	Waterproof & Pave	EB	8/13/2021	8/14/2021	8/15/2021	8/16/2021

56 Hour Weekend Construction

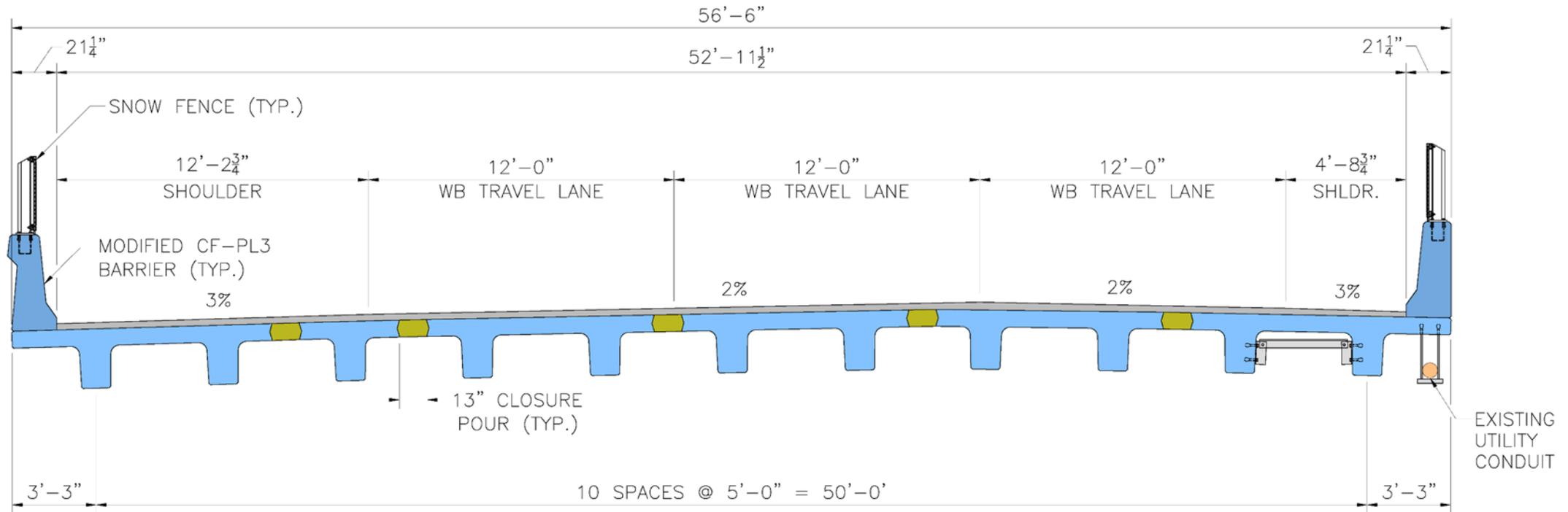


Accelerated Bridge Construction (ABC) Pre-Cast Elements

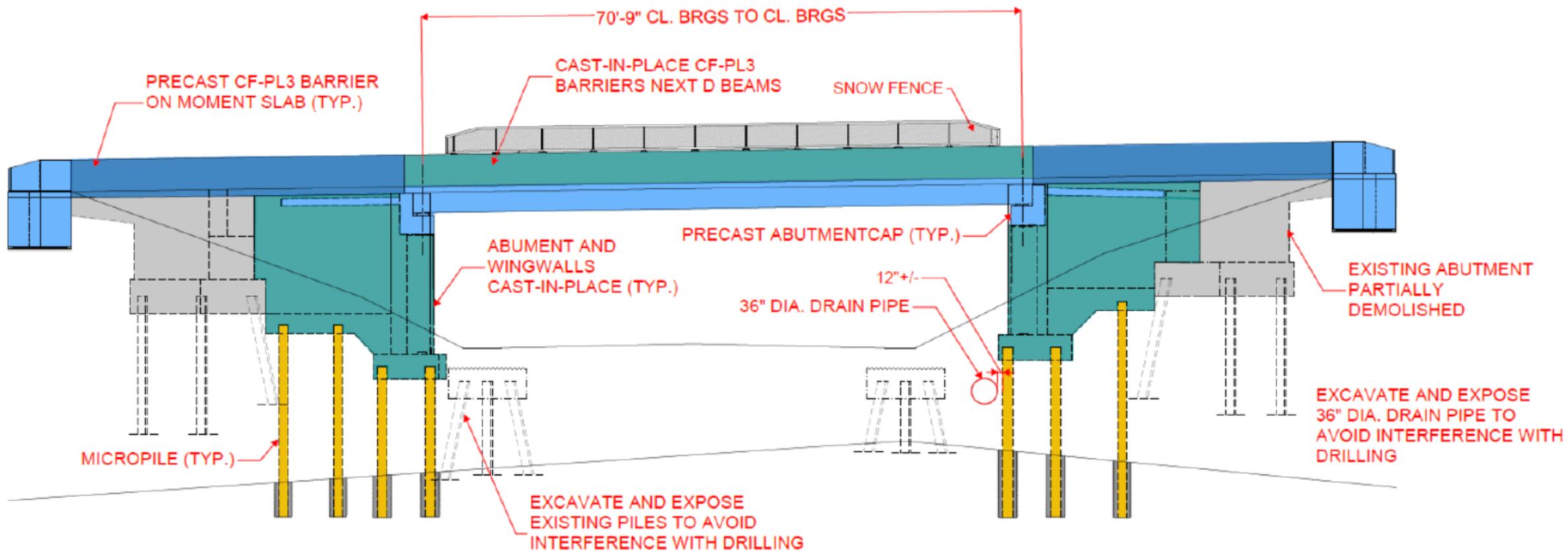


Caps – three to four pieces at each abutment depending upon skew

Accelerated Bridge Construction (ABC) - NEXT D Beams



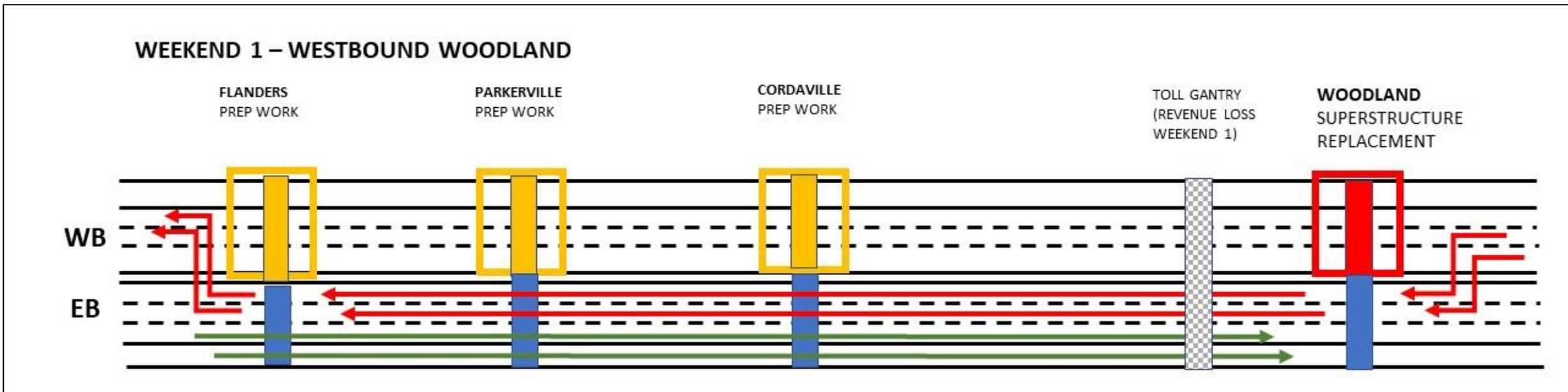
Cordaville Road – New Abutments



Acceler-8: TMPs & Crossovers

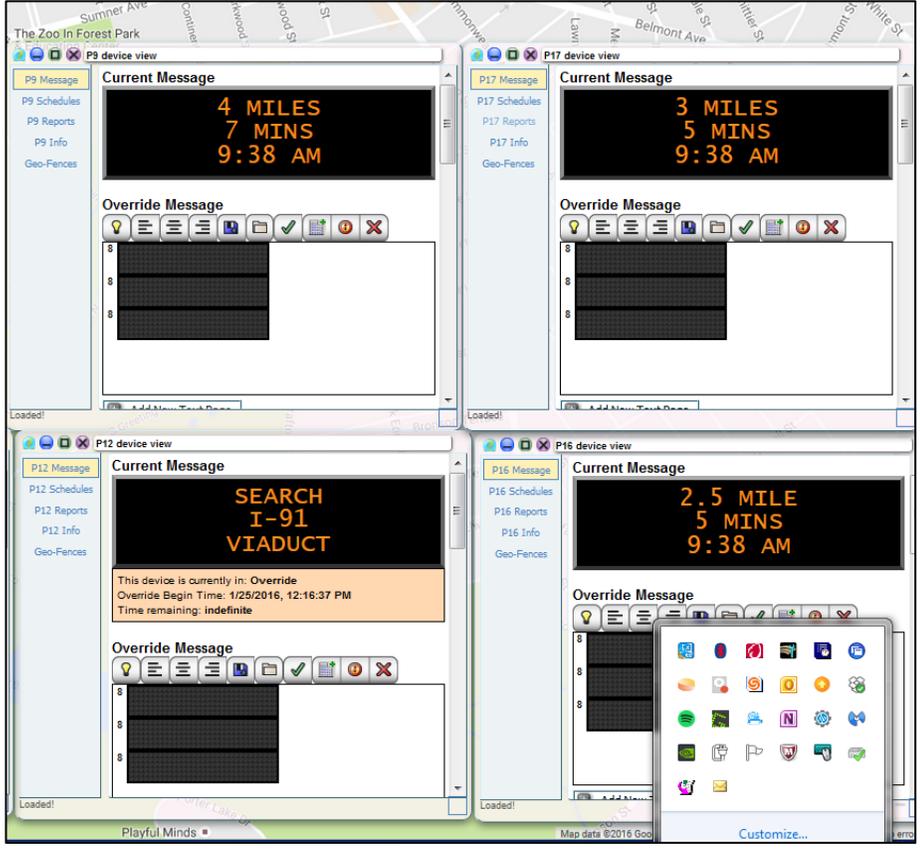
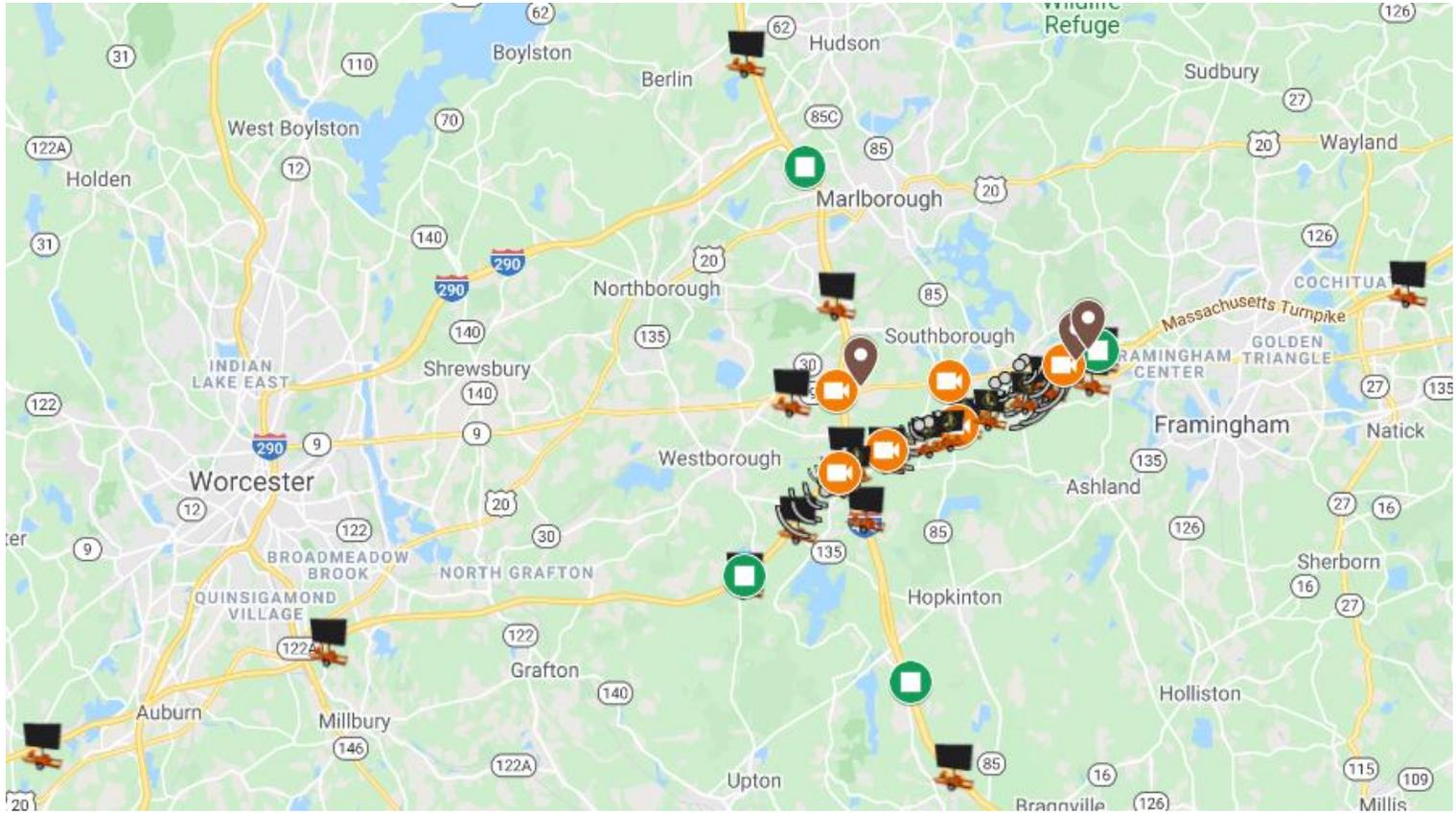


Multiple Work Areas during Weekend Traffic Set-ups



Weekend #1 includes the bridge deck replacement along I-90 westbound (WB) at Woodland Road Bridge (red) while performing excavation and demolition of the approach slabs, followed by backfill, compaction and temporary pavement along I-90 WB at Cordaville, Parkerville and Flanders Road Bridges (yellow).

Real Time Traffic

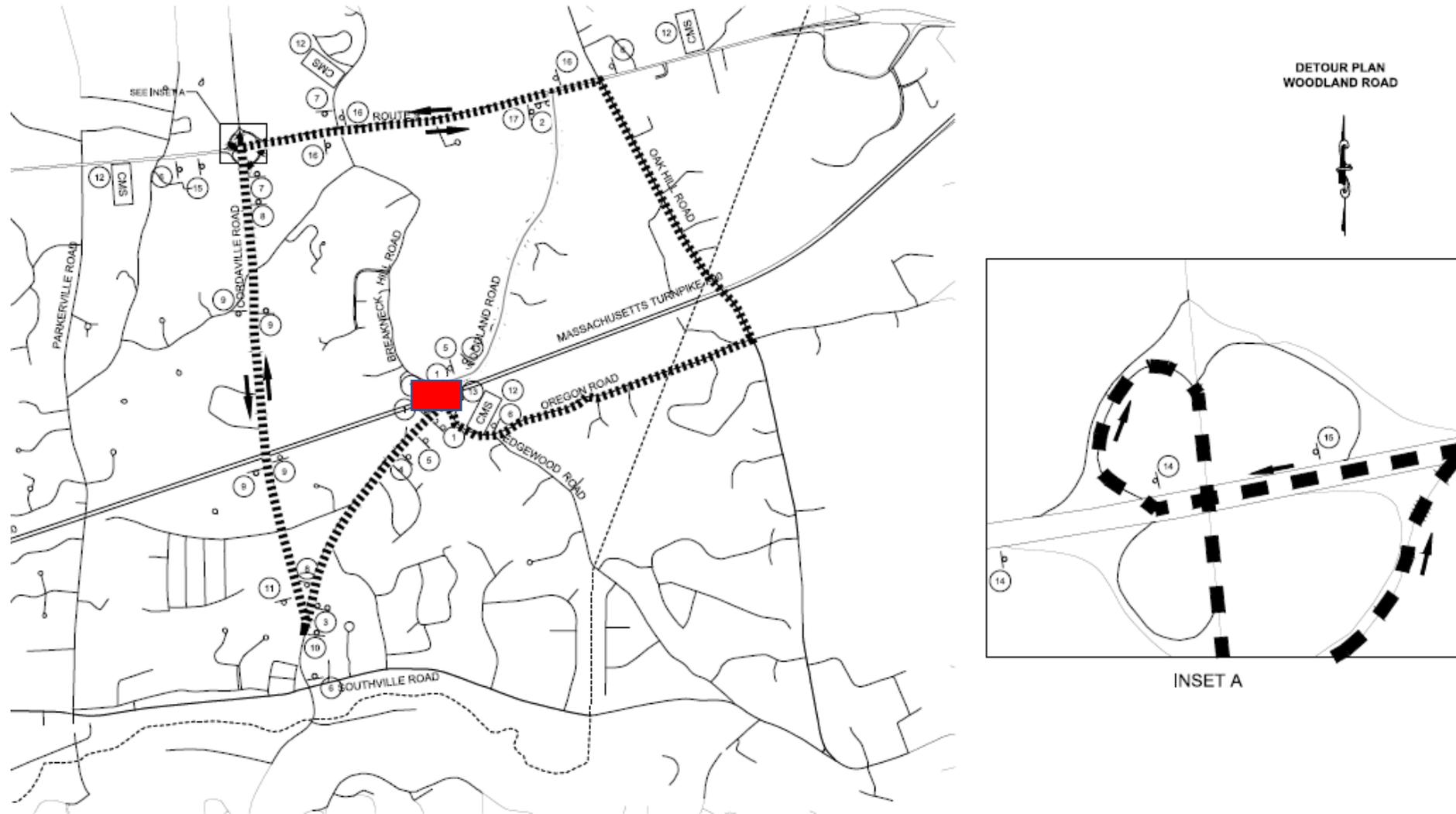


- Real Time Traffic Management (RTTM) systems, Regional PCMS and “Go Time” info
 - Distance/Time info provided at multiple locations along the Mass Pike, I-495 and Route 9

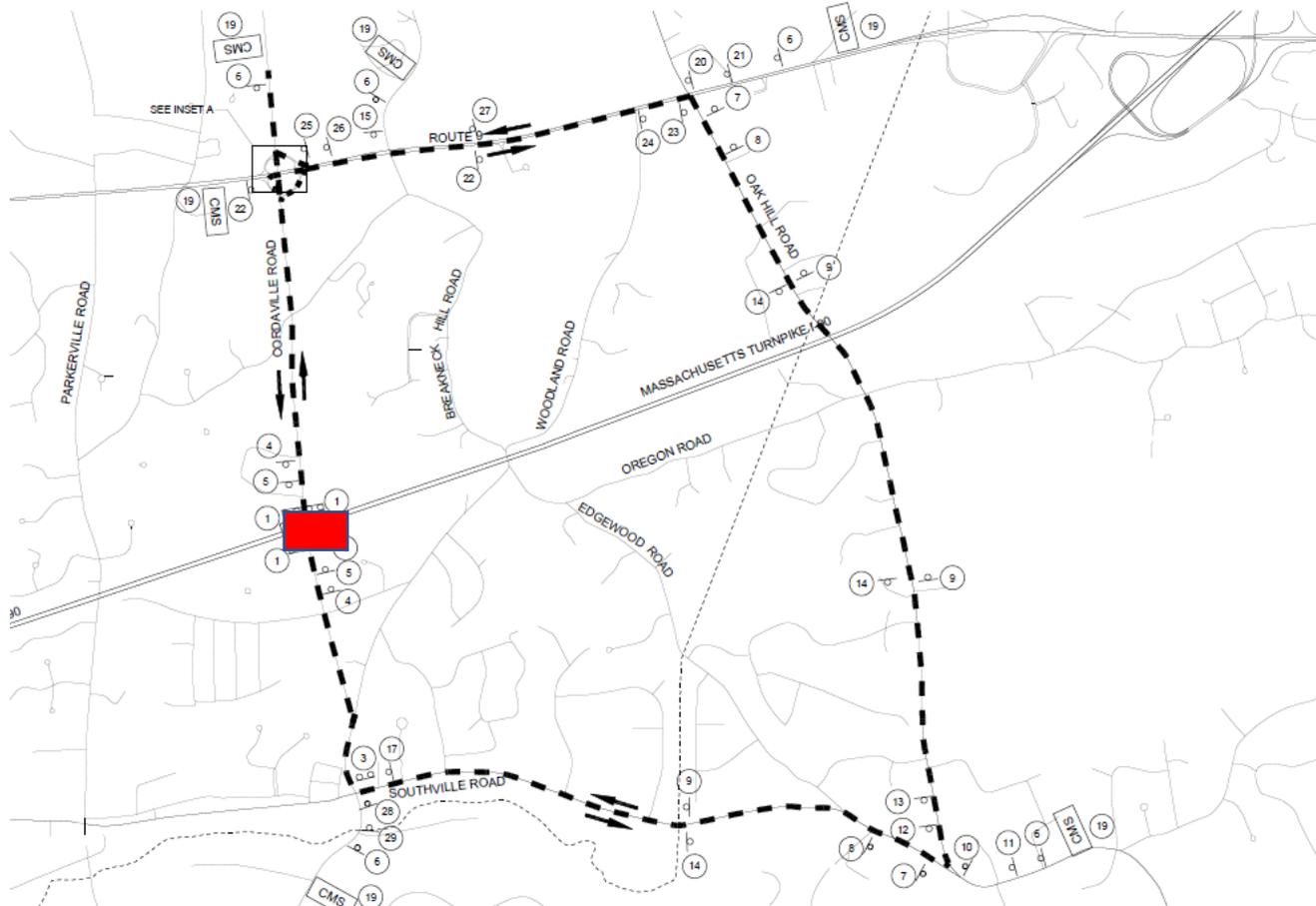


Southborough-Westborough I-90 Superstructure Replacements (EB & WB) over Woodland, Cordaville, Parkerville and Flanders Roads

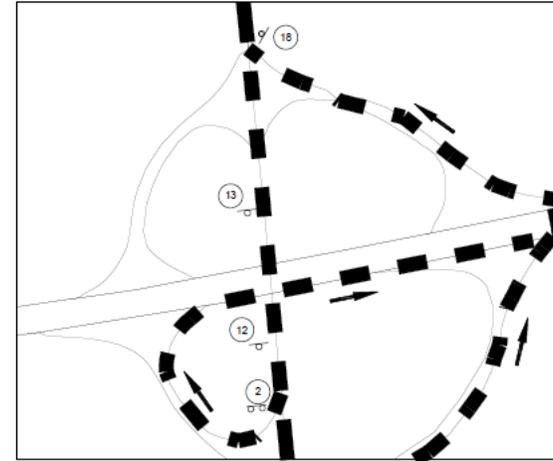
Local Detour Plan for Woodland Road Closure



Local Detour Plan for Cordaville Road Closure



DETOUR PLAN
CORDAVILLE ROAD



INSET A

- 1

ROAD
CLOSED

R11-2
48"x30"
- 2

ROAD CLOSED
1 MILE AHEAD
LOCAL TRAFFIC ONLY

DETOUR →
- 3

ROAD CLOSED
3/4 MILE AHEAD
LOCAL TRAFFIC ONLY

← DETOUR
- 4

ROAD
CLOSED
1000 FT

W20-3
36"x36"
- 5

ROAD
CLOSED
500 FT

W20-3
36"x36"
- 6

DETOUR
1000 FT

W20-2
36"x36"
- 7

DETOUR
→

M4-6R
30"x24"
- 8

DETOUR
→

M4-6AR
30"x24"
- 9

DETOUR
↑

M4-6S
30"x24"
- 10

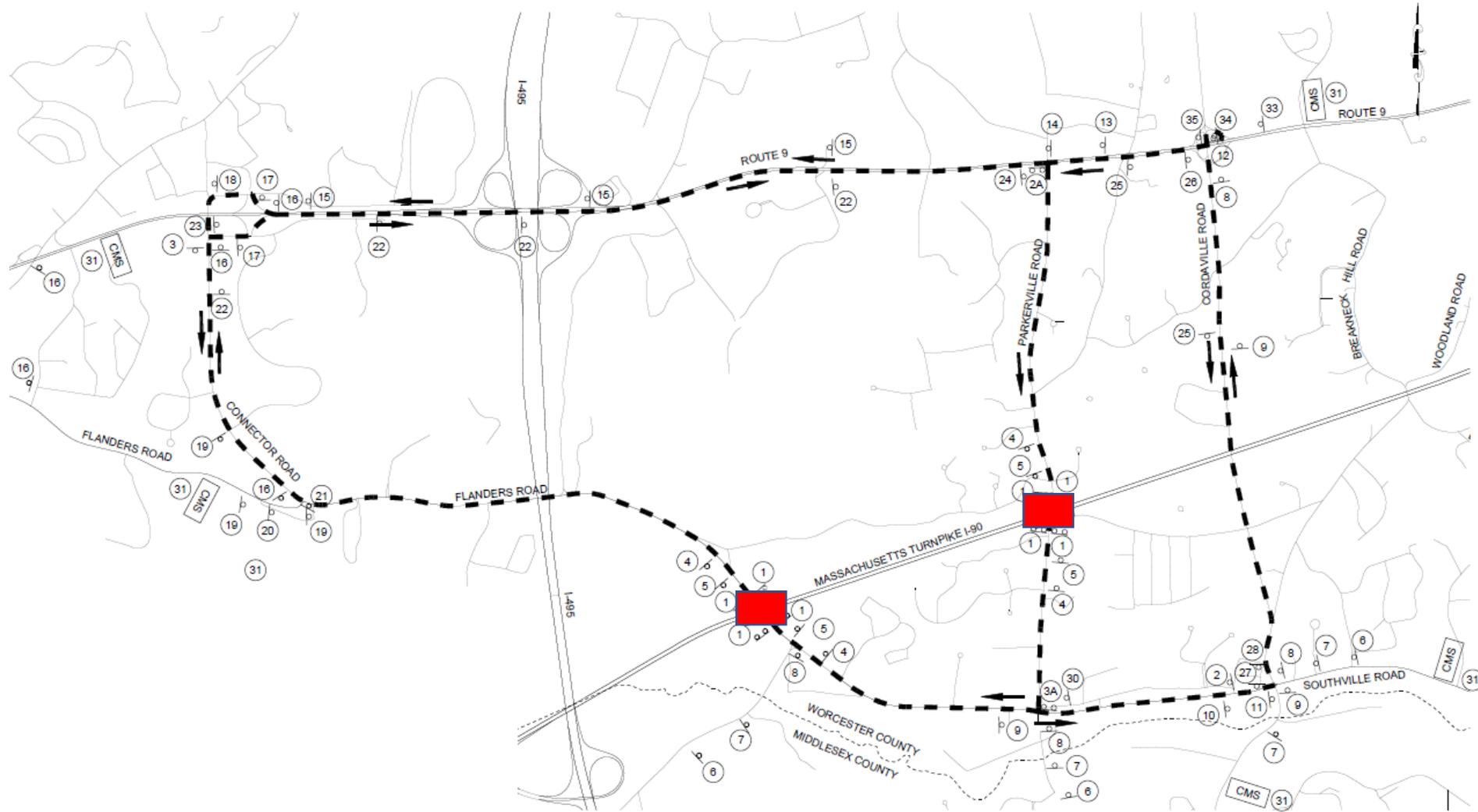
DETOUR
↙

M4-6SL
30"x24"
- 11

END
DETOUR

M4-6a
30"x24"

Flanders and Parkerville Closed on Same Weekend

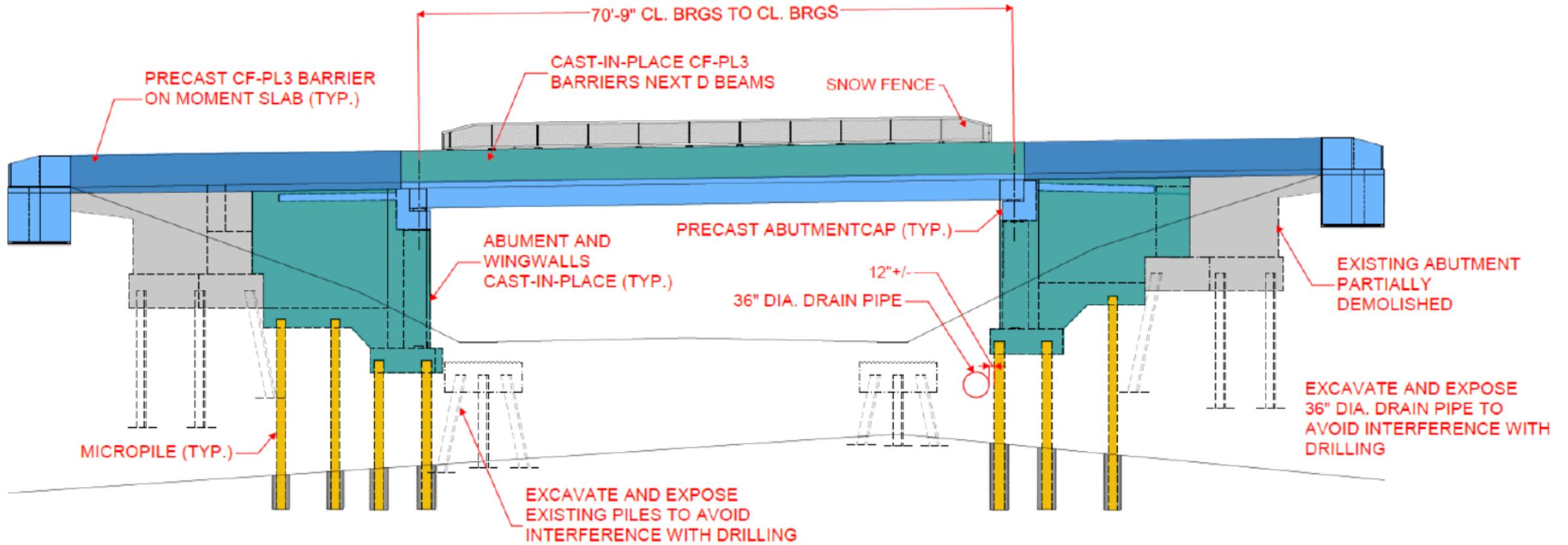


DETOUR PLAN
PARKERVILLE ROAD &
FLANDERS ROAD

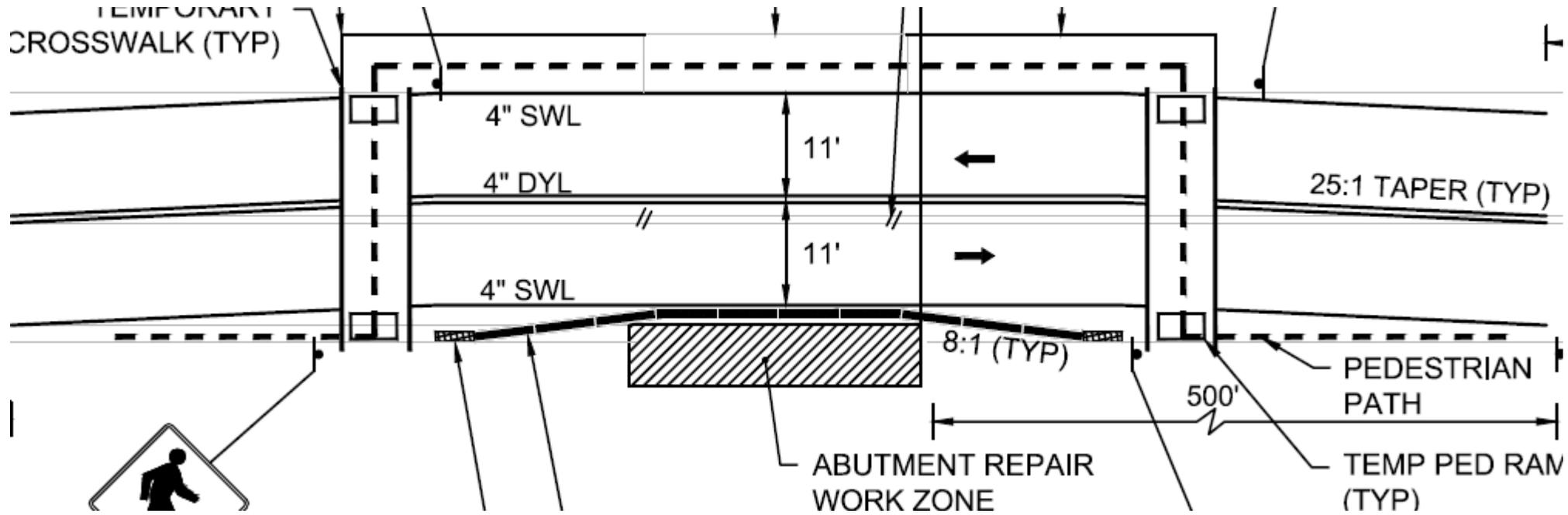
Woodland, Flanders and Parkerville Roads Existing Abutments will be Re-Faced



Cordaville Road – New Abutments



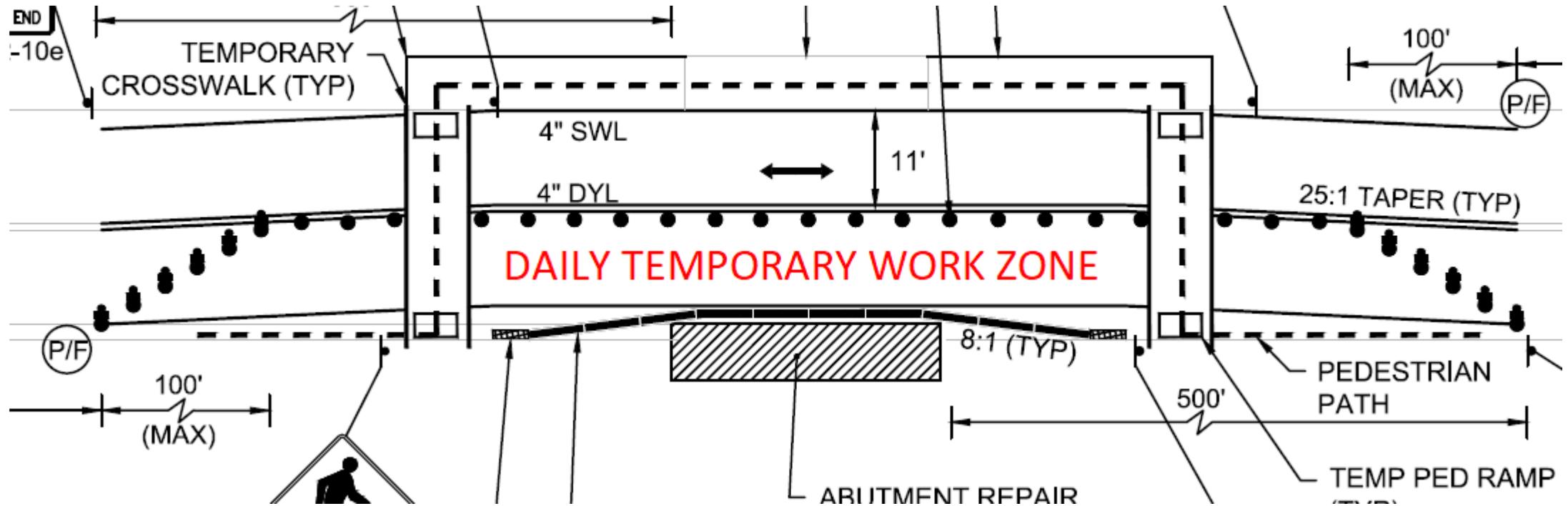
Typical Abutment Work Zone



TEMPORARY TWO-WAY TRAFFIC CONTROL AT ABUTMENT REPAIR LOCATIONS

N.T.S.

Typical Abutment Work Zone



TEMPORARY ONE-WAY ALTERNATING TRAFFIC CONTROL AT ABUTMENT REPAIR LOCATIONS

N.T.S.

Southborough-Westborough I-90 Superstructure Replacements
(EB & WB) over Woodland, Cordaville, Parkerville and Flanders Roads

Public Participation and Outreach

- Early Action Advisories
 - Utility Relocation (Flanders Rd)
 - Median Barrier Replacement (I-90 ROW)
- Dedicated Project Website
 - www.mass.gov/Acceler8Bridges
- Email Advisories for Traffic Impacts with Advance Notice
- Comprehensive Email Contact List
 - Email Contact List includes other area projects, Chambers, TMAs, trucking and travel industries, local and regional elected officials, town departments, etc.
- Public Information Meeting
 - February 9, 2021
- Construction Kickoff Public Meetings in April and May
 - Prior to start of major construction activities
- Briefings

Public Outreach Tools



Twitter



E-Mail



Community Calendar



Website



Advertisements



Television



Fact Sheets



Public Meetings



Newspaper

How to Reach Us

For questions, comments, and concerns:

Email us at A8@dot.state.ma.us

For project updates and more information:

Visit the website at <http://www.mass.gov/Acceler8Bridges>, where you can also sign up for the project email list to receive meeting notices and advisories.



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Closing Remarks

- MassDOT **D-B Experienced Management Personnel**
 - I-93 Fast-14, Cedar St Bridge, Longfellow Bridge
 - Empowering Key People
 - Effective and Quick Issue Resolution
- Including Safety in the Planning
- ABC Sequence insuring **more Reliable Weekend Schedules**
- Experienced implementation of **Incident Action and Contingency Plans**
- Evaluated, understood and **Addressed all Risks**

Our team's experience on I-93 Fast 14 has informed our plan for the Acceler-8 project.





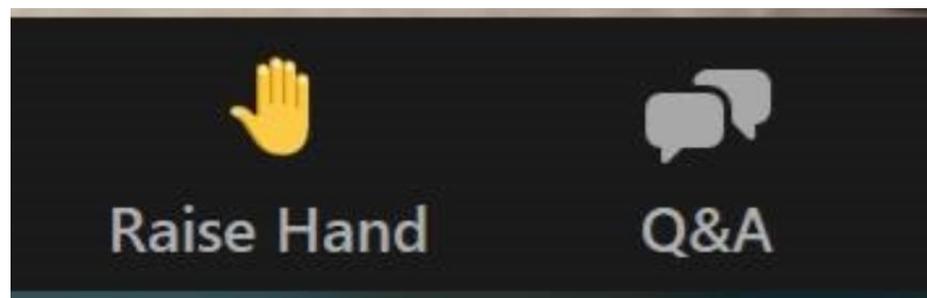
Questions & Answers

Q+A After Presentation

*If you are joining via phone only, you may press *9 to raise your hand.*

- Please share only one question or comment at a time.
- Use the **Q&A** button to submit a typed question or comment.
- Press the **RAISE HAND** button to share your question or comment verbally. Wait for the moderator to recognize you and unmute you before speaking.

You can always send questions and comments to A8@dot.state.ma.us



acceler - 8
I-90 BRIDGE REPLACEMENTS
8 Bridges 8 Weekends

massDOT
Massachusetts Department of Transportation
Highway Division



Thank you!

Email us at A8@dot.state.ma.us

Visit the project website: www.mass.gov/Acceler8Bridges

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