

Highway Administrator's Report

Jonathan Gulliver
November 16, 2022

Agenda

- Thanksgiving Travel
- Wrong Way Vehicle Detection Pilot
- Snow and Ice Update
- Appendix: Thanksgiving week key corridor travel predictions

Thanksgiving Travel

- **Plan ahead for busy holiday travel week**
- To minimize unnecessary impacts, MassDOT is:
- Prohibiting unscheduled work outside of fixed work zones from Tuesday, Nov. 22 at 5 a.m. through Monday, Nov. 28, at 9 p.m.
- Opening HOV “zipper” lane on Southeast Expressway extended hours on Tuesday, Nov. 22, and Wednesday, Nov. 23 (**Lane will not be opened on Thursday, Nov. 24, Friday, Nov. 25*)
- Pausing Sumner Tunnel weekend closures: tunnel will remain open for use on both weekends before and after Thanksgiving



Thanksgiving Travel Challenges and Timeframes

- Predicted travel impacts: Turnpike between I-84 and I-495

MONDAY 11/21/2022	TUESDAY 11/22/2022	WEDNESDAY 11/23/2022	THURSDAY 11/24/2022	FRIDAY 11/25/2022	SATURDAY 11/26/2022	SUNDAY 11/27/2022
I-90 EB between I-84 and I-495						
Good day to travel Little to no congestion	Minor Congestion 2:00 PM to 6:00 PM	Minor Congestion 1:00 PM to 4:00 PM	Minor Congestion 11:00 AM to 1:00 PM	Minor Congestion 12:00 PM to 7:00 PM	Heavy Traffic 11:00 AM to 8:00 PM Travel early or avoid weekend travel to avoid delays	Heavy Traffic 11:00 AM to 11:00 PM Travel early or avoid weekend to avoid delays WORST TRAVEL TIME OF THE WEEK
I-90 WB between I-84 and I-495						
Good day to travel Little to no congestion	Heavy Traffic 2:00 PM to 9:00 PM Travel in the morning to avoid delays	Heavy Traffic 10:00 AM to 8:00 PM Major delays expected WORST TRAVEL TIME OF THE WEEK	Heavy Traffic 10:00 AM to 1:00 PM Travel early to avoid delays	Heavy Traffic 10:00 AM to 4:00 PM Major delays expected. Travel early or after 4:00 to avoid delays	Heavy Traffic 10:00 AM to 5:00 PM Travel early or after 5:00 to avoid delays	Heavy Traffic 11:00 AM to 7:00 PM Major delays expected. Travel early or after 7:00 to avoid delays

Thanksgiving Travel Challenges and Timeframes

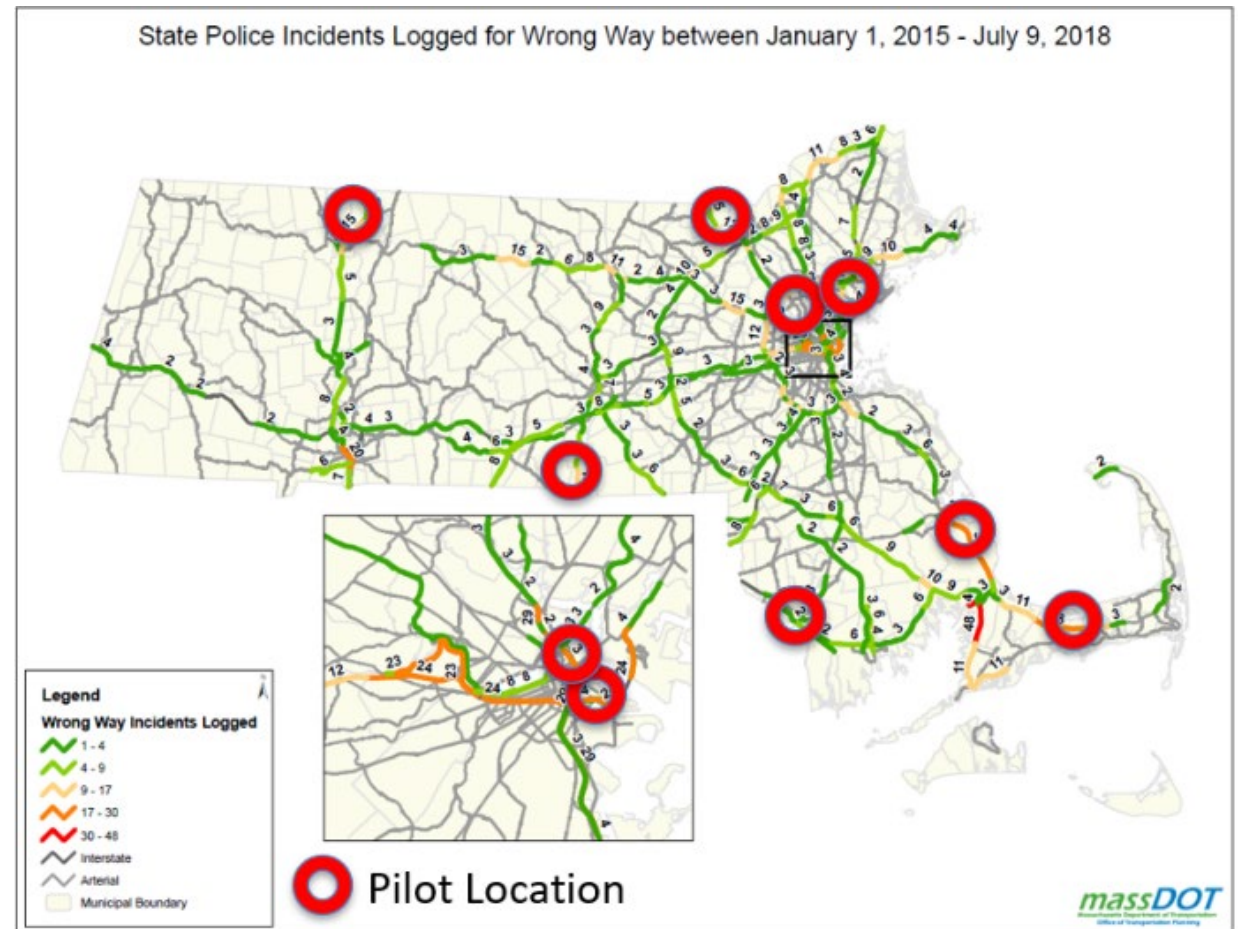
- Predicted travel impacts: Southeast Expressway

MONDAY 11/21/2022	TUESDAY 11/22/2022	WEDNESDAY 11/23/2022	THURSDAY 11/24/2022	FRIDAY 11/25/2022	SATURDAY 11/26/2022	SUNDAY 11/27/2022
I-93 (SE Expressway) NB between Braintree and Boston						
Heavy Traffic 5:00 AM to 12:00 PM 3:00 PM to 7:00 PM	Heavy Traffic 5:00 AM to 7:00 PM WORST TRAVEL TIME OF THE WEEK	Heavy Traffic 5:00 AM to 7:00 PM	Expect Some Delays 6:00 PM to 8:00 PM	Heavy Traffic 10:00 AM to 4:00 PM	Heavy Traffic 11:00 AM to 7:00 PM	Heavy Traffic 12:00 PM to 7:00 PM
I-93 (SE Expressway) SB between Boston and Braintree						
Heavy Traffic 6:00 AM to 12:00 PM 2:00 PM – 7:00 PM	Heavy Traffic 7:00 AM to 9:00 PM WORST TRAVEL TIME OF THE WEEK	Heavy Traffic 7:00 AM to 6:00 PM	Heavy Traffic 11:00 AM to 3:00 PM	Heavy Traffic 12:00 PM to 6:00 PM	Heavy Traffic 10:00 AM to 5:00 PM	Minor Congestion 11:00 AM to 1:00 PM

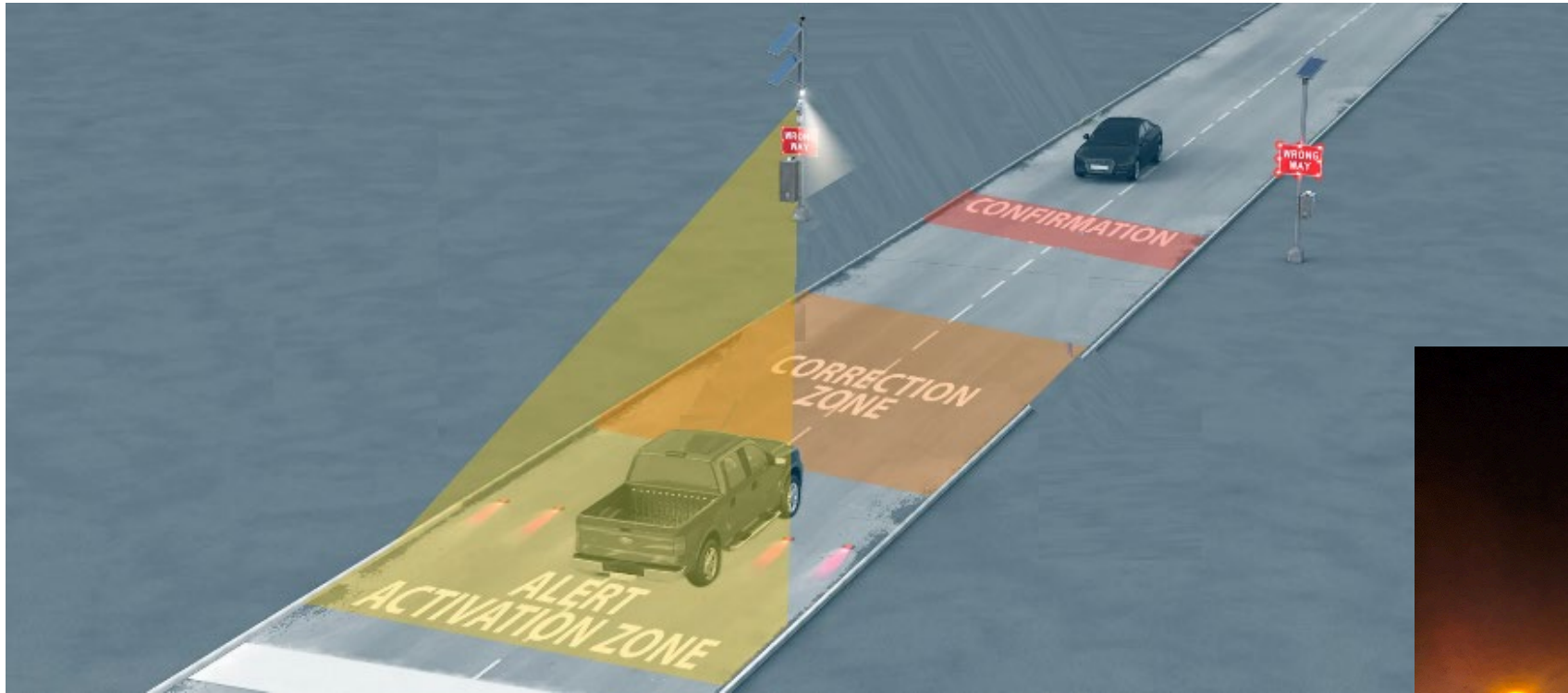
Wrong Way Vehicle Detection Pilot

- \$2.6 million pilot program focused on 16 ramps across Massachusetts
- Installation ongoing throughout this week; network expected to be operational by spring 2023

Location #	District	Location	Exit (Old/New)	City/Town
1	2	I-91 North	Exit 28B/50B	Barnardston
2	2	I-91 South	Exit 28/50	Barnardston
3	3	I-395 North	Exit 1/1	Webster
4	3	I-395 South	Exit 1/1	Webster
5	4	I-95 North	Exit 32B/50B	Burlington
6	4	I-95 South	Exit 32B/50B	Burlington
7	4	US 3 South	Exit 31/81C	Chelmsford
8	4	Route 128 North	Exit 22/43	Danvers
9	4	Route 128 South	Exit 22/43	Danvers
10	5	US 6 East at Route 132	Exit 6/68	Barnstable
11	5	US 6 West at Route 132	Exit 6/68	Barnstable
12	5	Route 3 North	Exit 5/13	Plymouth
13	5	Route 3 South	Exit 5/13	Plymouth
14	5	I-195 East	Exit 5/11	Fall River
15	6	I-93 North	Exit 23/17	Boston
16	6	I-90 East	Exit 20/135	Boston



Wrong Way Vehicle Detection Pilot



- Solar powered system uses thermal camera detection units
- Upon detection, system activates LED flashing sign at ramp
- Notification sent to HOC, MSP for response



Wrong Way Vehicle Detection Pilot



Snow and Ice Update

- As of now, 550 MassDOT and 3,057 pieces of vendor equipment ready for use
 - ~9.5 percent decrease from last year; however, vendor equipment applications are still in process
- District maintenance garages are performing preseason maintenance and repairs on all MassDOT snow and ice equipment
- All MassDOT staff involved with snow and ice will receive operations training; ongoing through mid-December

Material on hand:

- Salt (tons): 272,800
- MgCl (gallons): 591,200
- Blended brine (gallons): 72,612
- MassDOT takes delivery of salt on an ongoing basis under statewide contract
- Current shipping costs create upward pressure on price
- Municipalities can purchase off MassDOT contract to mitigate price increases



Appendix:

Thanksgiving Week Key Corridor and Predictions (1 of 3)

MONDAY 11/21/2022	TUESDAY 11/22/2022	WEDNESDAY 11/23/2022	THURSDAY 11/24/2022	FRIDAY 11/25/2022	SATURDAY 11/26/2022	SUNDAY 11/27/2022
I-90 EB between I-84 and I-495						
Good day to travel Little to no congestion	Minor Congestion 2:00 PM to 6:00 PM	Minor Congestion 1:00 PM to 4:00 PM	Minor Congestion 11:00 AM to 1:00 PM	Minor Congestion 12:00 PM to 7:00 PM	Heavy Traffic 11:00 AM to 8:00 PM Travel early or avoid weekend travel to avoid delays	Heavy Traffic 11:00 AM to 11:00 PM Travel early or avoid weekend to avoid delays WORST TRAVEL TIME OF THE WEEK
I-90 WB between I-84 and I-495						
Good day to travel Little to no congestion	Heavy Traffic 2:00 PM to 9:00 PM Travel in the morning to avoid delays	Heavy Traffic 10:00 AM to 8:00 PM Major delays expected WORST TRAVEL TIME OF THE WEEK	Heavy Traffic 10:00 AM to 1:00 PM Travel early to avoid delays	Heavy Traffic 10:00 AM to 4:00 PM Major delays expected. Travel early or after 4:00 to avoid delays	Heavy Traffic 10:00 AM to 5:00 PM Travel early or after 5:00 to avoid delays	Heavy Traffic 11:00 AM to 7:00 PM Major delays expected. Travel early or after 7:00 to avoid delays
I-84 EB between CT state line and I-90						
Good day to travel Little to no congestion	Good day to travel Little to no congestion	Minor Congestion 2:00 PM to 5:00 PM	Heavy Traffic Expect Major Delays 11:00 AM to 2:00 PM Travel prior to 11:00 AM to avoid delays	Minor Congestion 12:00 PM to 4:00 PM	Heavy Traffic Expect Major Delays 12:00 PM to 7:00 PM Travel in the morning to avoid delays	Heavy Traffic Expect Major Delays 12:00 AM to 9:00 PM Travel in the morning to avoid delays WORST TRAVEL TIME OF THE WEEK
I-91 NB between CT state line and I-90						
Minor Congestion 2:00 PM to 4:00 PM	Good day to Travel Little to no congestion	Good day to travel Little to no congestion	Good day to travel Little to no congestion	Minor Congestion 12:00 PM to 2:00 PM	Good day to Travel Little to no congestion	Good day to Travel Little to no congestion
I-91 SB between I-90 and CT state line						
Minor Congestion 4:00 PM to 6:00 PM	Expect Some Delays 3:00 PM to 6:00 PM	Minor Congestion 2:00 PM to 5:00 PM	Good day to travel Little to no congestion	Good day to travel Little to no congestion	Expect Some Delays 5:00 PM to 7:00 PM	Good day to Travel Little to no congestion

Appendix:

Thanksgiving Week Key Corridor and Predictions (2 of 3)

MONDAY 11/21/2022	TUESDAY 11/22/2022	WEDNESDAY 11/23/2022	THURSDAY 11/24/2022	FRIDAY 11/25/2022	SATURDAY 11/26/2022	SUNDAY 11/27/2022
I-93 (SE Expressway) NB between Braintree and Boston						
Heavy Traffic 5:00 AM to 12:00 PM 3:00 PM to 7:00 PM	Heavy Traffic 5:00 AM to 7:00 PM WORST TRAVEL TIME OF THE WEEK	Heavy Traffic 5:00 AM to 7:00 PM	Expect Some Delays 6:00 PM to 8:00 PM	Heavy Traffic 10:00 AM to 4:00 PM	Heavy Traffic 11:00 AM to 7:00 PM	Heavy Traffic 12:00 PM to 7:00 PM
I-93 (SE Expressway) SB between Boston and Braintree						
Heavy Traffic 6:00 AM to 12:00 PM 2:00 PM to 7:00 PM	Heavy Traffic 7:00 AM to 9:00 PM WORST TRAVEL TIME OF THE WEEK	Heavy Traffic 7:00 AM to 6:00 PM	Heavy Traffic 11:00 AM to 3:00 PM	Heavy Traffic 12:00 PM to 6:00 PM	Heavy Traffic 10:00 AM to 5:00 PM	Minor Congestion 11:00 AM to 1:00 PM
MA-3 NB between Plymouth and Braintree						
Minor Congestion 6:00 AM to 8:00 AM	Expect Some Delays 6:00 AM to 8:00 AM	Good day to Travel Little to no congestion	Heavy Traffic 6:00 PM to 8:00 PM Travel in the morning to avoid delays	Heavy Traffic 10:00 AM to 2:00 PM Travel in the early morning or late evening to avoid delays WORST TRAVEL TIME OF THE WEEK	Heavy Traffic 11:00 AM to 5:00 PM Travel in the morning to avoid delays	Expect Some Delays 11:00 AM to 12:00 PM
MA-3 SB between Braintree and Plymouth						
Minor Congestion 4:00 PM to 6:00 PM	Expect Some Delays 1:00 PM to 7:00 PM	Heavy Traffic 11:00 AM to 5:00 PM Travel in the morning to avoid delays WORST TRAVEL TIME OF THE WEEK	Heavy Traffic 11:00 AM to 2:00 PM Travel in the early morning or late evening to avoid delays	Minor Congestion 11:00 to 3:00 PM	Minor Congestion 12:00 PM to 2:00 PM	Good day to Travel Little to no congestion
MA-24 NB between I-495 and I-93						
Good day to Travel Little to no congestion	Good day to Travel Little to no congestion	Good day to Travel Little to no congestion	Good day to Travel Little to no congestion	Good day to Travel Little to no congestion	Expect Some Delays 7:00 AM to 9:00 AM	Expect Some Delays 6:00 AM to 9:00 PM
MA-24 SB between I-93 and I-495						
Expect Some Delays 3:00 PM to 6:00 PM	Expect Some Delays 3:00 PM to 6:00 PM	Good day to Travel Little to no congestion	Good day to Travel Little to no congestion	Good day to Travel Little to no congestion	Good day to Travel Little to no congestion	Good day to Travel Little to no congestion

Appendix:

Thanksgiving Week Key Corridor and Predictions (3 of 3)

MONDAY 11/21/2022	TUESDAY 11/22/2022	WEDNESDAY 11/23/2022	THURSDAY 11/24/2022	FRIDAY 11/25/2022	SATURDAY 11/26/2022	SUNDAY 11/27/2022
I-95 NB between RI state line and I-93						
Expect Some Delays 5:00 AM to 9:00 AM	Expect Some Delays 6:00 AM to 8:00 AM	Good day to Travel Little to no congestion	Good day to Travel Little to no congestion	Good day to Travel Little to no congestion	Expect Some Delays 6:00 AM to 9:00 AM	Heavy Traffic 4:00 PM to 6:00 PM Travel in the early morning to avoid delays WORST TRAVEL TIME OF THE WEEK
I-95 SB between I-93 and RI state line						
Expect Some Delays 2:00 PM to 6:00 PM	Heavy Traffic 3:00 PM to 6:00 PM Travel in the early morning to avoid delays	Heavy Traffic 2:00 PM to 5:00 PM Travel in the early morning to avoid delays WORST TRAVEL TIME OF THE WEEK	Good day to Travel Little to no congestion	Good day to Travel Little to no congestion	Good day to Travel Little to no congestion	Good day to Travel Little to no congestion
I-93 NB between Boston and NH state line						
Heavy Traffic 2:00 PM to 6:00 PM	Heavy Traffic 2:00 PM to 7:00 PM WORST TRAVEL TIME OF THE WEEK	Heavy Traffic 12:00 PM to 4:00 PM	Good day to Travel Little to no congestion	Good day to Travel Little to no congestion	Good day to Travel Little to no congestion	Good day to Travel Little to no congestion
I-93 SB between NH state line and Boston						
Heavy Traffic 5:00 AM to 10:00 AM & 2:00 PM to 6:00 PM	Heavy Traffic 7:00 AM to 10:00 AM & 4:00 PM to 7:00 PM WORST TRAVEL TIME OF THE WEEK	Expect Some Delays 1:00 PM to 3:00 PM	Good day to Travel Little to no congestion	Good day to Travel Little to no congestion	Good day to Travel Little to no congestion	Good day to Travel Little to no congestion
I-495 NB between I-90 and US-3						
Good day to travel Little to no congestion	Good day to travel Little to no congestion	Good day to travel Little to no congestion	Good day to travel Little to no congestion	Good day to travel Little to no congestion	Good day to travel Little to no congestion	Good day to travel Little to no congestion
I-495 SB between US-3 and I-90						
Good day to travel Little to no congestion	Expect Some Delays 5:00 PM to 7:00 PM	Expect Some Delays 12:00 PM to 5:00 PM	Good day to travel Little to no congestion	Good day to travel Little to no congestion	Good day to travel Little to no congestion	Good day to travel Little to no congestion