

Welcome!

Tobin Bridge Rehabilitation Project

Chelsea | Project File No. 605957

Contract No. 98626

Public Information Meeting

Chelsea Senior Center

March 27, 2018 | 6:30 p.m.

Agenda

- **Welcome and Introductions**
- **Project Overview**
- **Review of Completed Work to Date**
- **Year 1 Activities – What to Expect**
- **Future Work (Years 2 and 3)**
- **Environmental Concerns**
- **Contingency Measures**
- **Construction Coordination and Management Planning**
- **Public Involvement – How to Stay Informed**
- **Question and Answer**

Project Team



MassDOT's Highway Division

Responsible for administering the Design Process and contract oversight

Contractor: J. F. White Contracting Co.

Contract bid: \$41,637,112.00



Designer: TranSystems Corp.



EXPERIENCE | Transportation

Public Involvement: Howard Stein Hudson



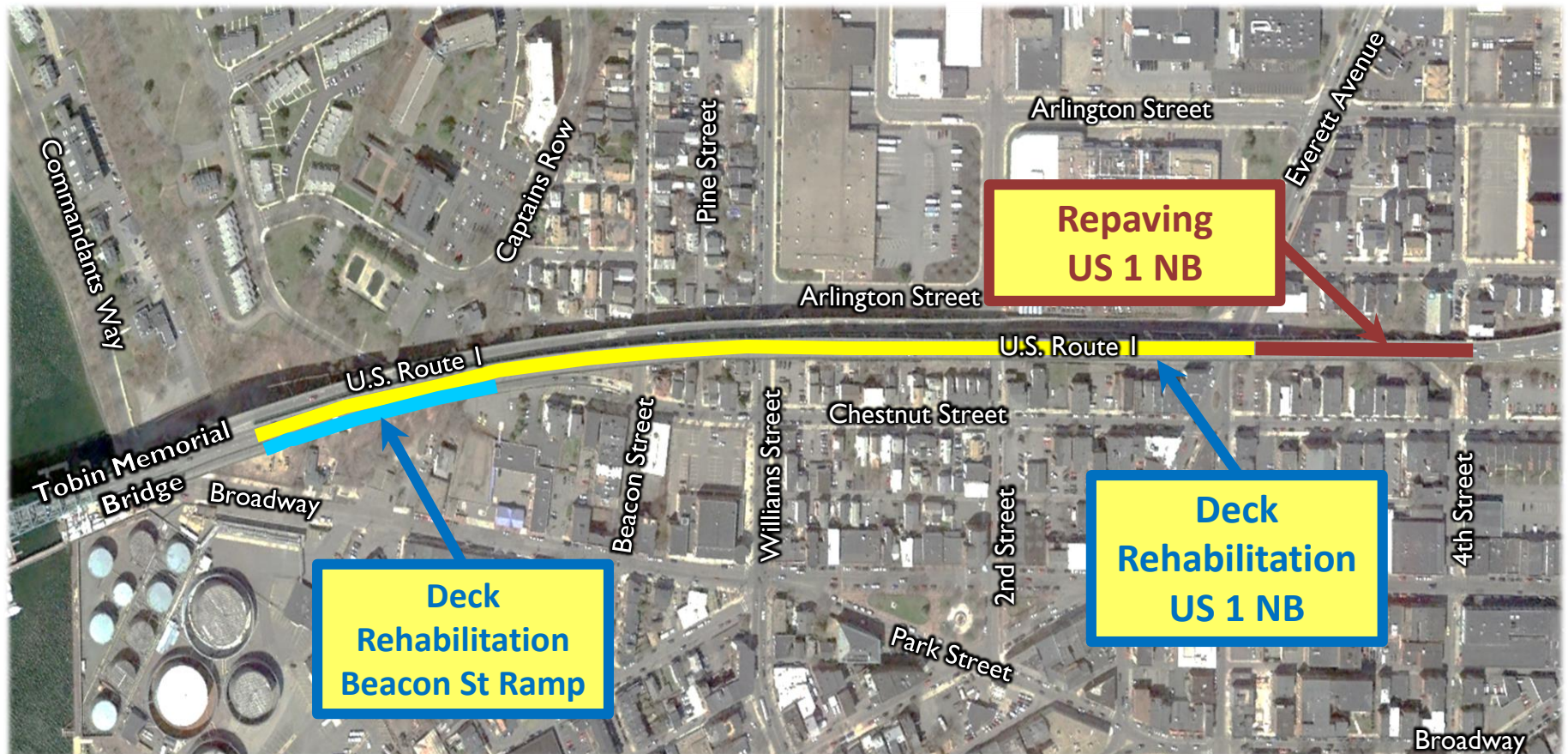
HOWARD STEIN HUDSON

Engineers + Planners

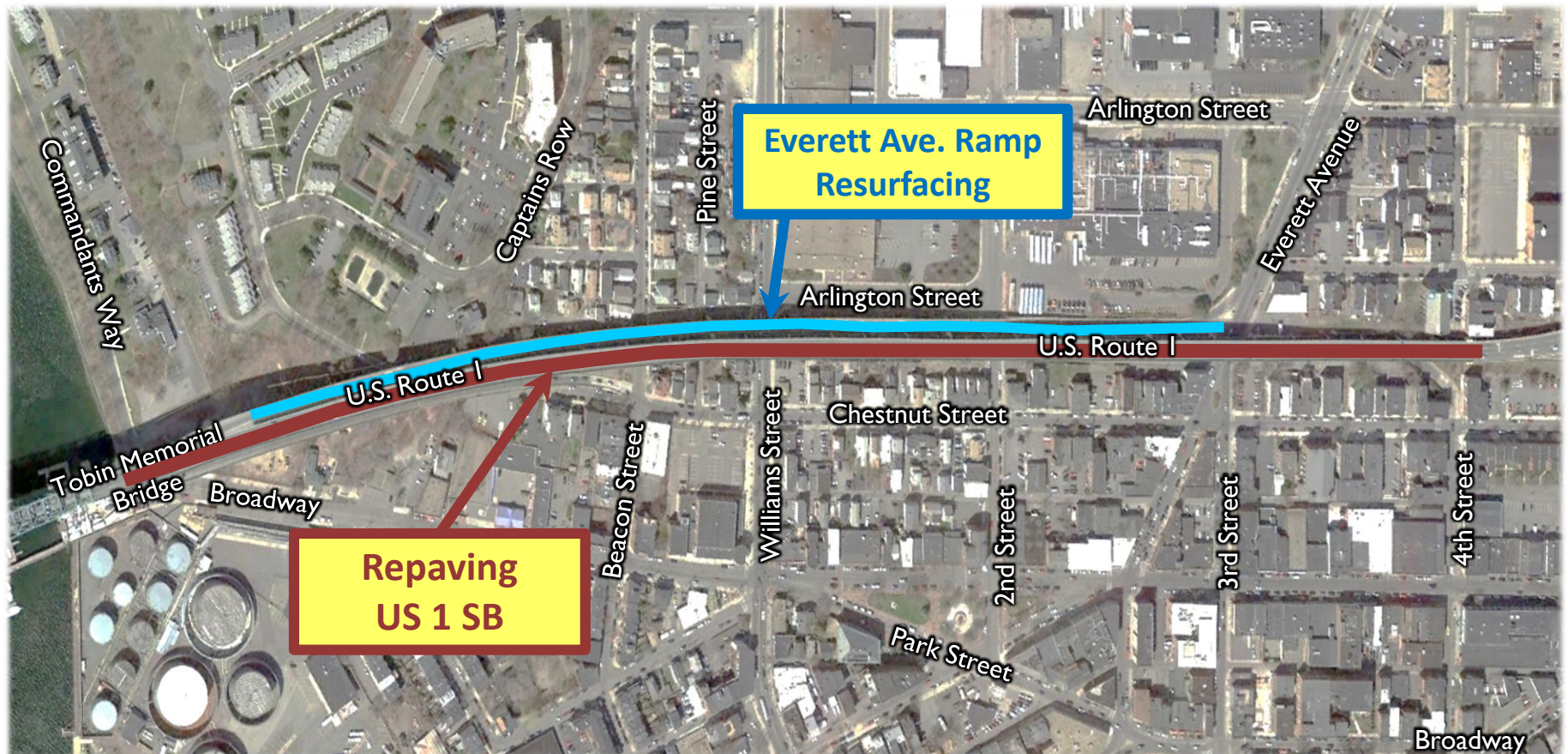
Project Area



Chelsea Approach Spans: US 1 NB - Lower Deck



Chelsea Approach Spans: US 1 SB – Upper Deck



Chelsea Approach Spans: Parking Area Construction



Project Schedule

- **2018 :**
 - Repairs to the upper and lower decks
 - Paving, repairs and resurfacing of the Everett Ave and Beacon Street ramps
 - Additional closure of 4th Street off ramp
 - At no time will more than one ramp be closed.
- **2019 :**
 - Utility installation to prepare the future parking lot
 - Upper and lower deck repair and paving.
- **2020 :**
 - Repairs to the lower deck will finish
 - Curbing and paving of the new parking lot will occur.

Year 1 Schedule

		2018											
Type of Traffic Impact	Activity Name	J	F	M	A	M	J	J	A	S	O	N	D
Construction Season 1 - LOWER DECK - RTE 1 NB													
TEMP LANE CLOSURE ("TLC") - Day Time / Night Time	Day Time & Night Time Single Lane Temporary Closure - Inspections, Survey & As-Building												
City Street Level	Chelsea City Street Sporadic Temporary Lane Closures - Install Temporary Protective Shielding												
Concrete Barrier Work Zone	Setup Right Lane Closure For Deck Rehabilitation - 24/7												
Concrete Barrier Work Zone	Beacon Street Ramp Closure - Steel Repairs & Resurfacing												
Concrete Barrier Work Zone	Remove Right Lane Closure & Setup Left Lane Closure 24/7												
Concrete Barrier Work Zone	4th Street Ramp Closure												
Construction Season 1 - UPPER DECK - RTE 1 SB													
TEMP LANE CLOSURE ("TLC") Day Time / Night Time	Day Time Single Lane Temporary Closure & Night Time Two Lane Closure - Micromill, Waterproof Bridge Deck, Pave												
Concrete Barrier Work Zone	Everett Ave Ramp Closed For Deck Repairs												
TEMP LANE CLOSURE ("TLC") - Day Time	Day Time Single Lane Closure - Gutter Line Structural Repairs (Left or Right Lane)												

***Weather permitting, off peak lane closures will occur throughout the year**

Current Status

- **Developing & Implementing Project Critical Plans**
 - Noise Control Study & Mitigation Measures
 - Pollution Prevention
 - Dust Suppression and Containment Plan
 - Traffic Management / Detour Plans
 - Contingency Plan
 - 24/7 Incident Response Plan / Light Duty – Heavy Duty Tow Truck Services Plan
 - Rodent Control
- **Design and install SafeSpan working platform and containment system – Lower Deck**
- **Inspection and as-built repair areas**
- **Material Procurement Long Lead Items**
- **Schedule Development & Planning**

Year 1 Activities – Mainline

- **Repairs to upper deck– including steel repairs, roadway milling, bridge deck waterproofing and repaving.**
 - Performed during off-peak lane closures
- **Repairs to the lower deck – including extensive steel repairs and painting, concrete deck replacement and paving.**
 - Performed during full-time lane closures from April 8 – November 30, 2018

***In the 24 hours following this meeting, the start date for the lower deck lane closure was postponed to April 22. The original date has been left as a transparent reflection of the meeting as presented on March 27th.**

Year 1 Activities –Ramps

- **Resurfacing of Everett Avenue on ramp**
 - Performed using full time ramp closure
 - May 2018 – June 2018, 1 month duration.
- **Repairs and resurfacing of Beacon Street off ramp**
 - Performed using full time ramp closure
 - Summer 2018, 2 month duration.
- **During Phase 1B, Fall of 2018, the 4th Street Ramp must be closed for no longer than one month in order to complete repairs in its vicinity.**

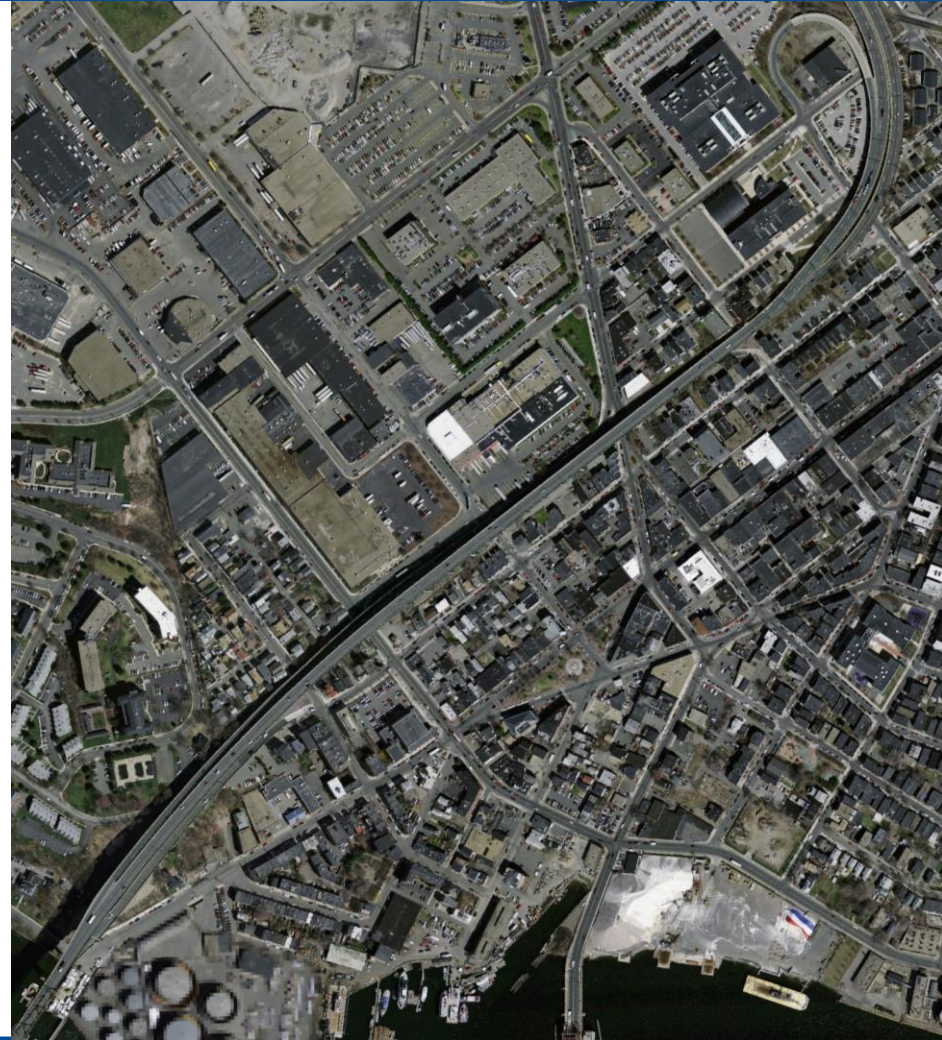


Year 1 – What to Expect

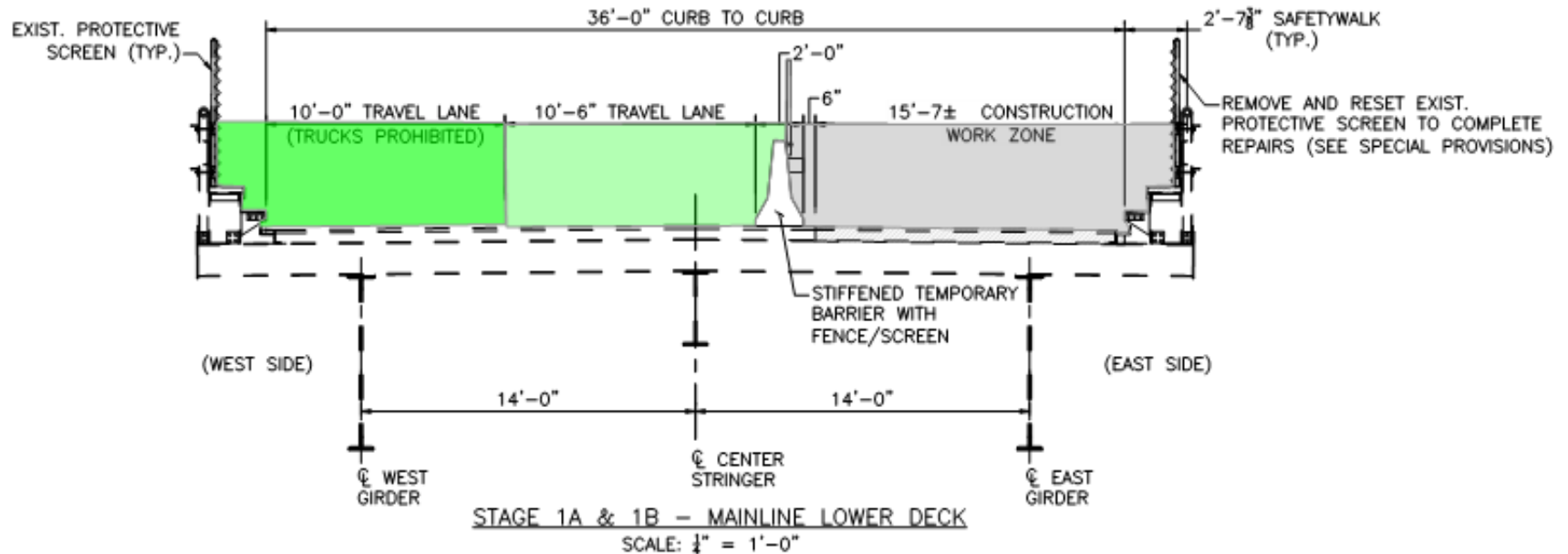
- **Standard Work Day:**
 - Off Peak Day Time Temporary Lane Closures – As allowed by MassDOT per contract
 - Lower Deck
 - April through November
 - Single Lane Closed 24/7
 - Behind barrier work zone - 7:00 AM – 7:00 PM and some overnights
 - Upper Deck
 - Noon to 11:00 PM 2 lanes open
 - 11:00PM to 5:00 AM: 1 lane open

Year 1 – What to Expect

- **Ramp Closures**
 - Everett Avenue Ramp – Closed 24/7 for 1 month max – May to June 2018
 - Beacon Street Ramp – Closed 24/7 for 2 months – Summer 2018
 - 4th Street Ramp – Closed 24/7 for 1 month max – Fall 2018
 - Only 1 ramp will be closed at any given time.



Year 1 – Mainline

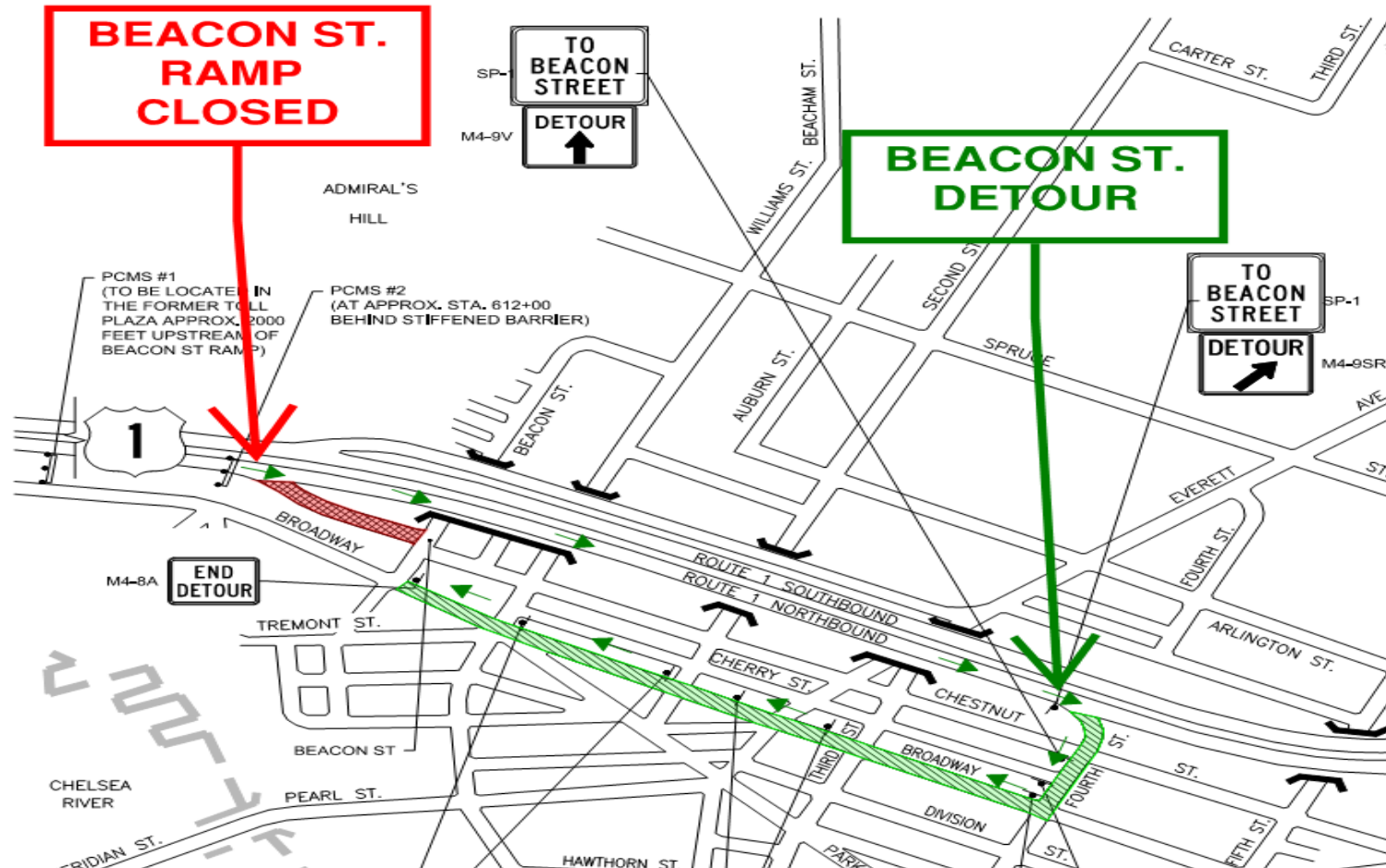


US 1 NB Right Lane Closed – April 8 – Nov. 30, 2018

*In the 24 hours following this meeting, the start date for the lower deck lane closure was postponed to April 22. The original date has been left as a transparent reflection of the meeting as presented on March 27th.

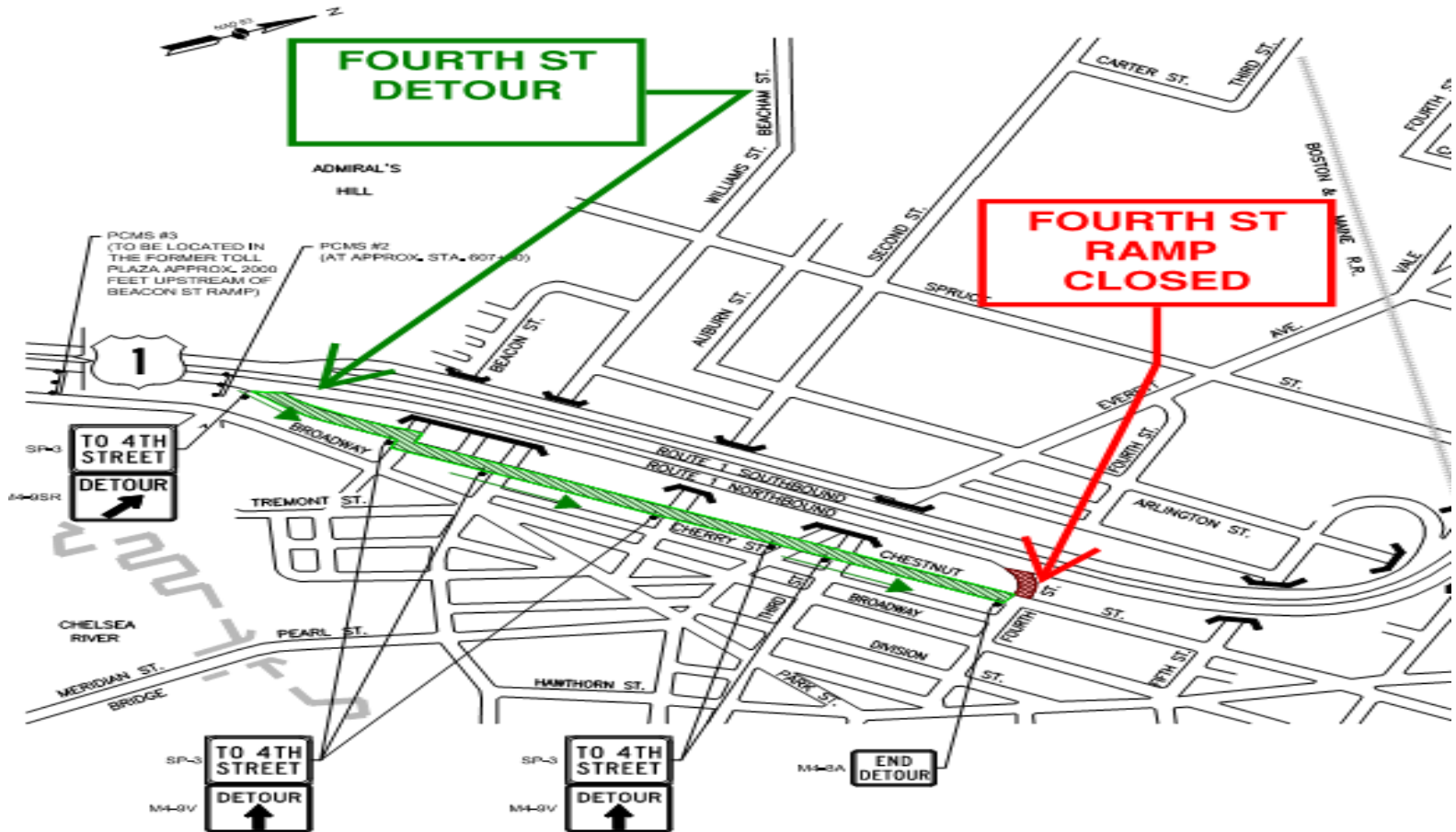
May – June 2018 (1 month duration)

Year 1 – Beacon Street Ramp Closure



Summer 2018 (2 month duration)

Year 1 – 4th Street Ramp Closure



Fall 2018 (1 month duration)

Years 2 & 3 Schedule

		2019												2020							
Type of Traffic Impact	Activity Name	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	
Construction Season 2 - LOWER DECK - RTE 1 NB																					
Concrete Barrier Work Zone	Left Lane Closure (Blast / Deck Repairs / Structural Repairs / Paving)																				
TEMP LANE CLOSURE ("TLC") Day Time	Chelsea City Street Sporadic Temporary Lane Closures - Parking Lot Utilities & Lot Construction under lower deck																				
Construction Season 2 - UPPER DECK - RTE 1 SB																					
TEMP LANE CLOSURE ("TLC") - Day Time	Day Time Single Lane Closure - Gutter Line Structural Repairs (Left or Right Lane)																				
Construction Season 3 - LOWER DECK - RTE 1 NB																					
Concrete Barrier Work Zone	Center Lane Closure 24/7																				
Street Level	Chelsea City Street Sporadic Temporary Lane Closures - Parking Lot Construction																				
	Substantial Completion																				
	Contractor Final Completion																				

***Weather permitting, off peak lane closures will occur throughout the year**

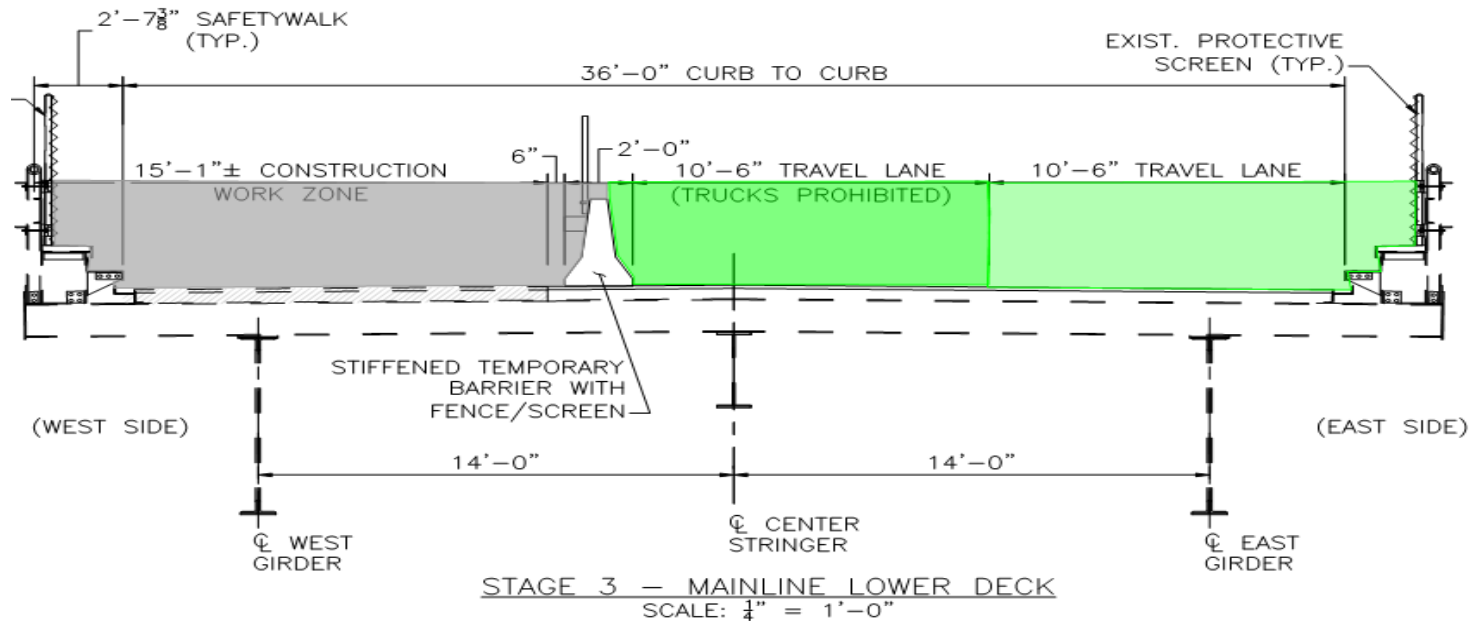
Years 2 & 3 Activities

- **Continue repairs to upper deck– Including steel repairs during off peak temporary lane closures.**
- **Continue repairs to the lower deck- Including extensive steel repairs and painting, concrete deck replacement and paving.**
 - Left lane closure 24/7 – April 1 – Nov. 30, 2019
 - Center lane closure 24/7 – April 1 – July 15, 2020
- **Extensive Structural Steel Repairs – underside of the lower deck**
- **Drainage improvements, parking lot construction, lighting Improvements, fire standpipe and security camera installation.**

Years 2 & 3 – What to Expect

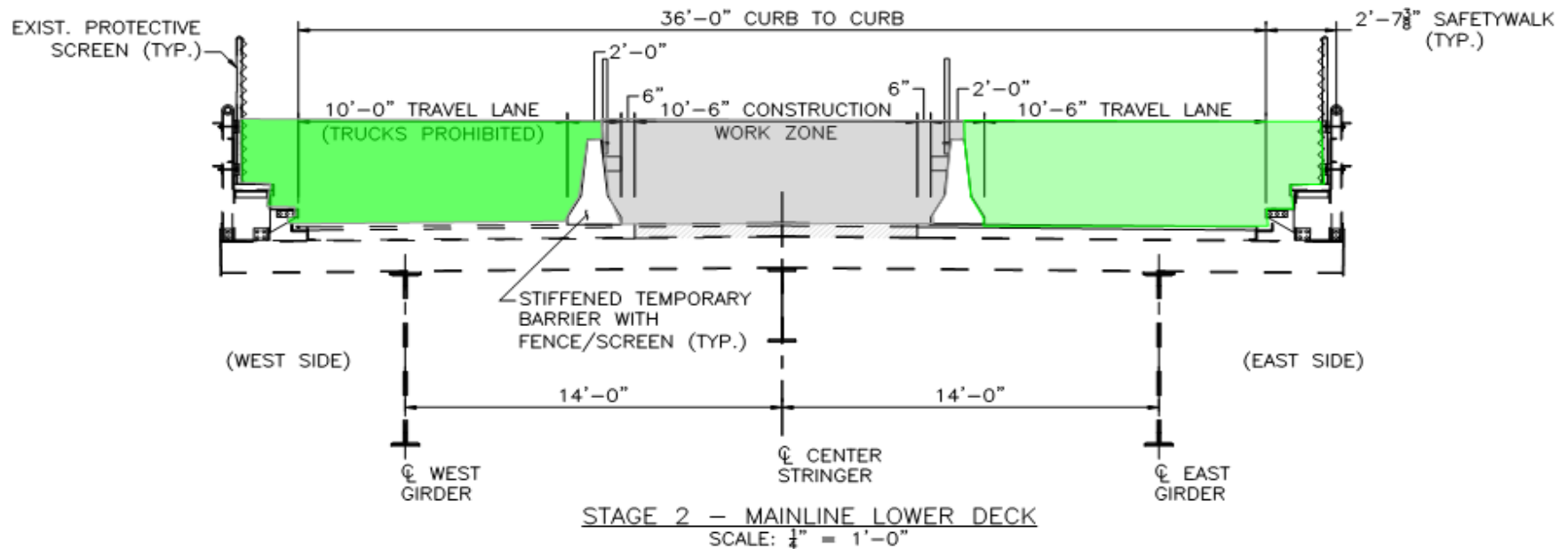
- **Standard Work Day:**
 - Off Peak day time temporary lane closures – As allowed by MassDOT per contract
 - Lower Deck
 - April through November
 - Single Lane Closed 24/7
 - Behind barrier work zone: 7:00 AM – 7:00 PM and some overnights
 - Upper Deck
 - Noon to 11:00 PM – 2 lanes open
 - 11:00 PM to 5:00 AM – 1 lane open

Years 2 & 3 Traffic Management



US 1 NB Left Lane Closed April 1 – Nov. 30, 2019

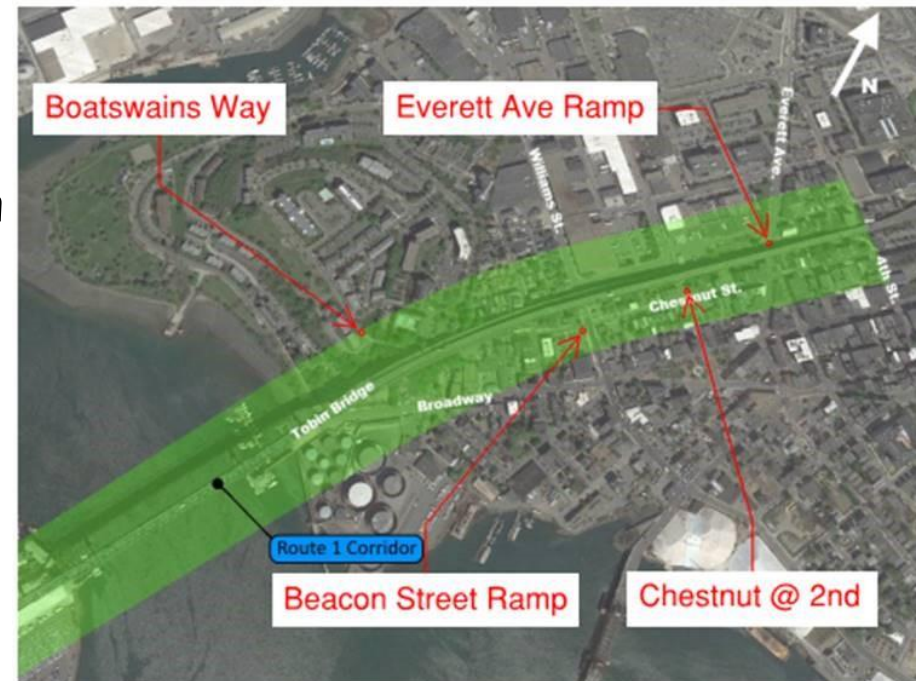
Years 2 & 3 Traffic Management



US 1 NB Center Lane Closed April 1 – July 15, 2020

Environmental Concerns

- MassDOT required a detailed noise control specification
- Noise Control Study & Mitigation Measures
 - Provides an effective tool to measure construction noise and reduce its effect.
 - Has a proven track record:
 - Fore River Bridge Replacement Project (Quincy)
 - Kenneth F. Burns Replacement Project (Worcester)
 - Casey Arborway Project (Jamaica Plain)



Noise Monitoring Areas

Environmental Concerns

- Provisions for dust and lead control, as well as noise control are all in the contract
 - Baseline
 - Monitoring
- All federal, state, local, and OSHA regulations will be followed

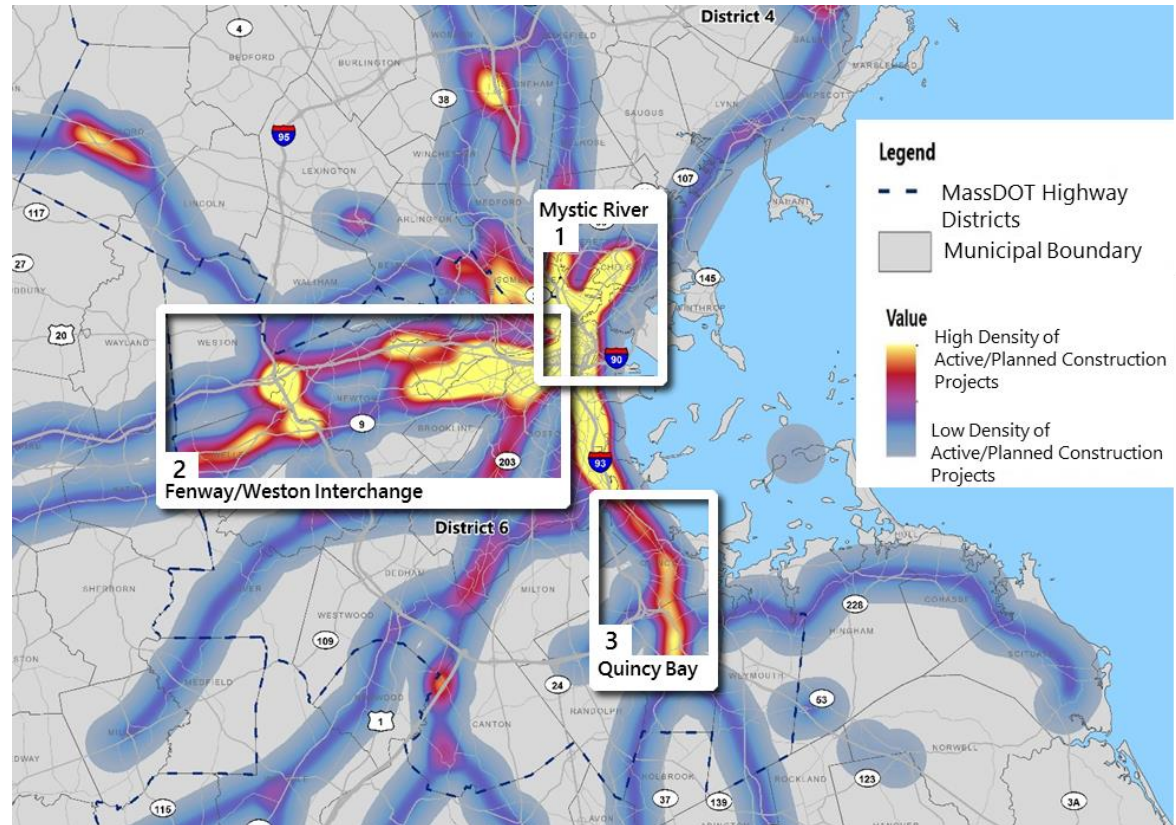


Contingency Measures

- **Light Duty Tow Truck will be available 24/7 - required response time of no more than 10 minutes for the light duty tow truck minutes from the reporting of an incident/accident.**
 - In effect April 1 – November 30 (each year)
- **Heavy Duty wrecker will be on standby - required response time of no more than 20 minutes from the reporting of an incident/accident.**
 - In effect April 1 – November 30 (each year)
- **Contingency Plan includes procedures in place for temporary and / or emergency repairs, response to natural disasters and equipment breakdowns.**

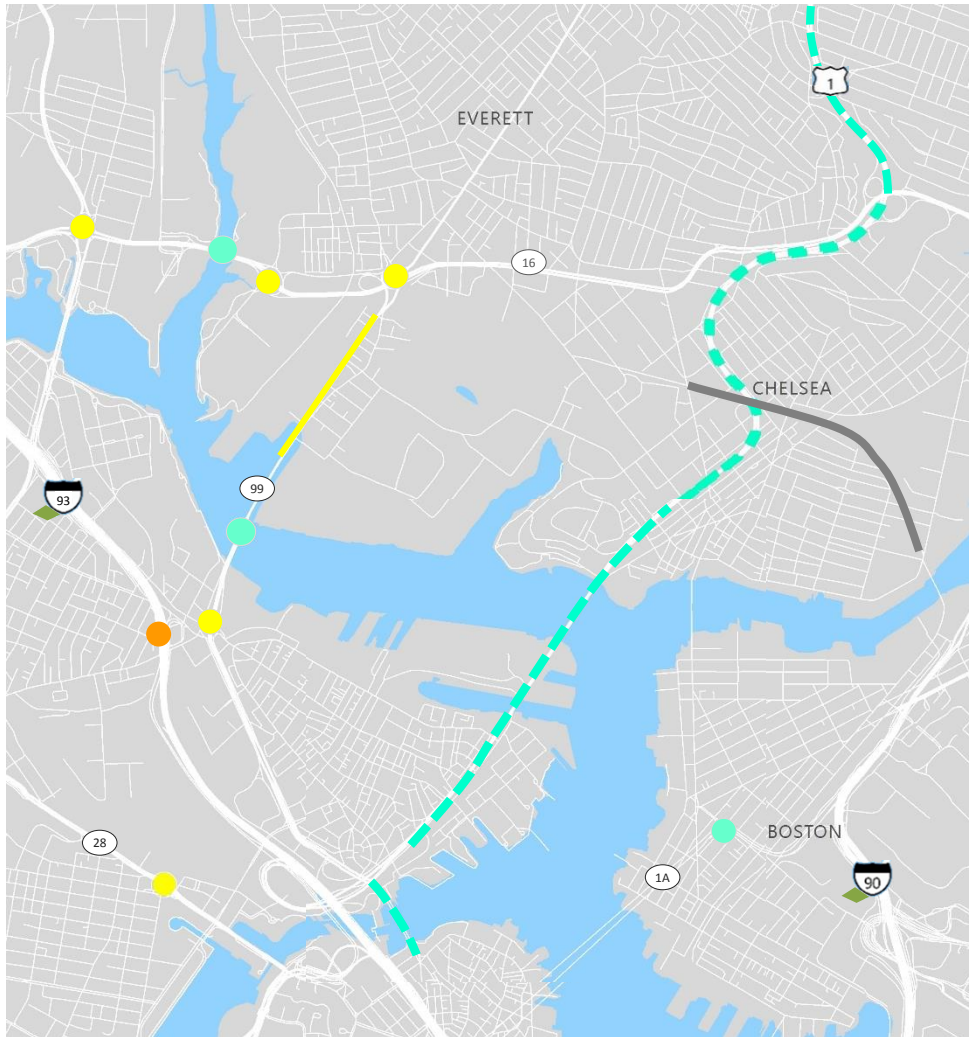
Construction Coordination & Management Planning

- Joint effort between Highway Division and MBTA to identify potential schedule conflicts and impacts to the public during the 2018 construction season
- Results will allow the Highway Division to focus on improved safety and public outreach strategies



246 projects for 2018

2018 Hot Spot #1: Mystic River Project Owner



MBTA (2)



Sullivan Square Lower
Busway

Silverline Gateway Phase 1

Private (2)



Wynn Casino Mitigation

North Point Route 28
Improvements (Phase 1)

MassDOT (7)



North Washington Street Bridge

Woods Memorial Bridge
(Revere Beach Parkway Bridge
Replacement)

Route 1 Resurfacing and Related
Work

Tobin Bridge Deck Rehabilitation

Tobin Bridge Painting & Repairs

Sumner Tunnel Legacy Toll Plaza
30 Demolition

Alford Street (Route 99) Bridge
(City of Boston Bridge)





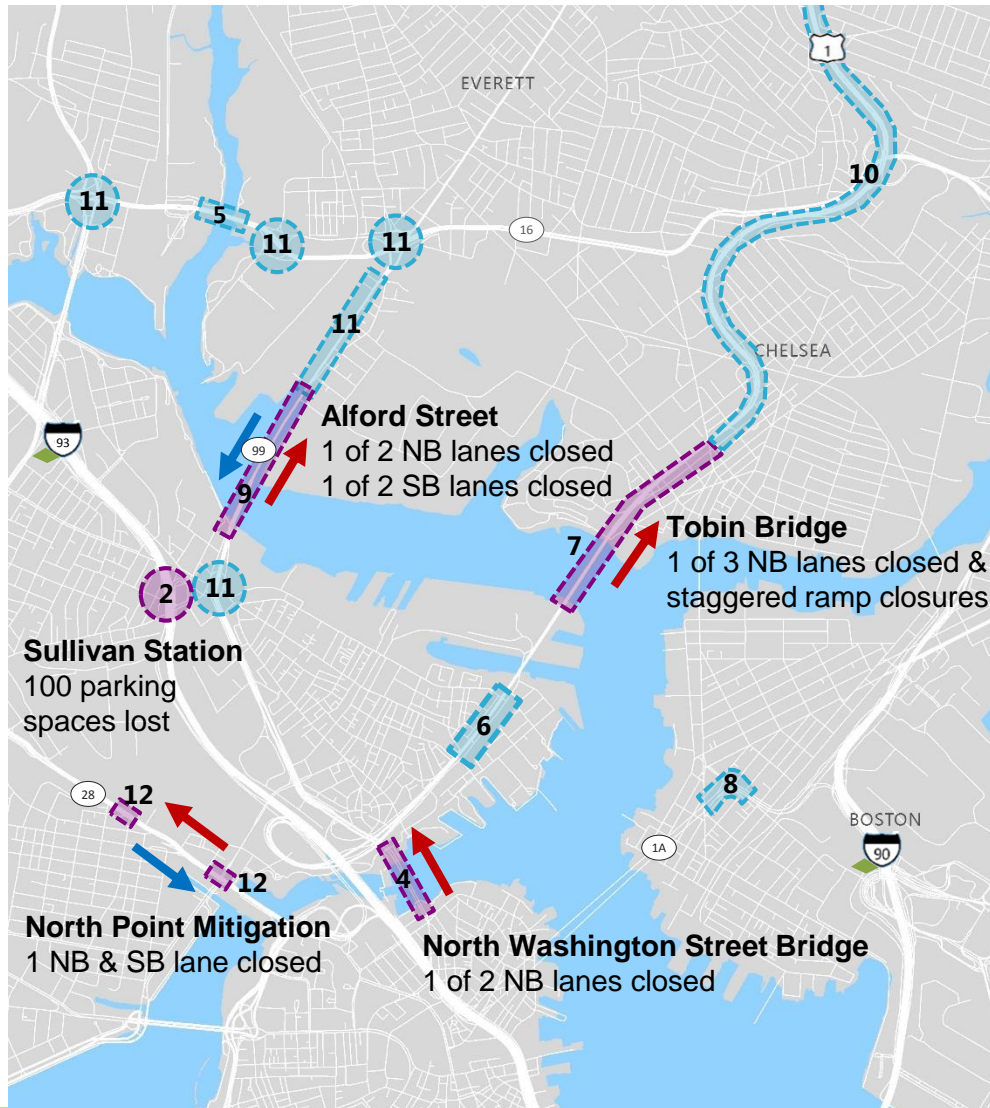
	3-Mar	10-Mar	17-Mar	24-Mar	31-Mar	7-Apr	14-Apr	21-Apr	28-Apr	5-May	12-May	19-May	26-May	2-Jun	9-Jun	16-Jun	23-Jun	30-Jun	7-Jul	14-Jul	21-Jul	28-Jul	4-Aug	11-Aug	18-Aug	25-Aug	1-Sep	8-Sep	15-Sep	22-Sep	29-Sep	6-Oct	13-Oct	20-Oct	27-Oct	3-Nov	10-Nov	17-Nov	24-Nov	1-Dec	8-Dec	15-Dec	22-Dec	29-Dec			
MBTA																																															
1 Silver Line Gateway Phase I																																															
2 Sullivan Station Lower Busway																																															
Commuter Rail																																															
3 Positive Trail Control																																															
MassDOT Highway																																															
4 North Washington Street Bridge Replacement																																															
5 Revere Beach Parkway Bridge Replacement (Woods Memorial Bridge)																																															
6 Tobin Bridge Painting & Repairs - Northbound Lane																																															
7 Tobin Bridge Deck Rehabilitation - Northbound Lane																																															
8 Demolition of Legacy Toll Plaza 30 Along I-90 (Sumner Tunnel)																																															
9 Alford Street (Route 99) Bridge																																															
10 Route 1 Resurfacing and Related Work																																															
Private																																															
11 Wynn Casino Improvements																																															
12 North Point - Route 28 Improvements (Phase 1)																																															

*Dates subject to change based on available resources, weather, emergencies, etc.

*Dates subject to change based on available resources, weather, emergencies, etc.

Active Construction with Track/Lane Impacts - 24 hours
Active Construction with Track/Lane Impacts - Off-Peak Hours Only

2018 Hot Spot #1: Mystic River Transportation Schedule Impacts



- Tobin Bridge Closures will have operational impacts to the MBTA Bus Route #111
- Additional MBTA Bus operational/routing impacts related to North Washington Street, Alford Street and North Point mitigation requirements



Northbound from Boston

Southbound to Boston

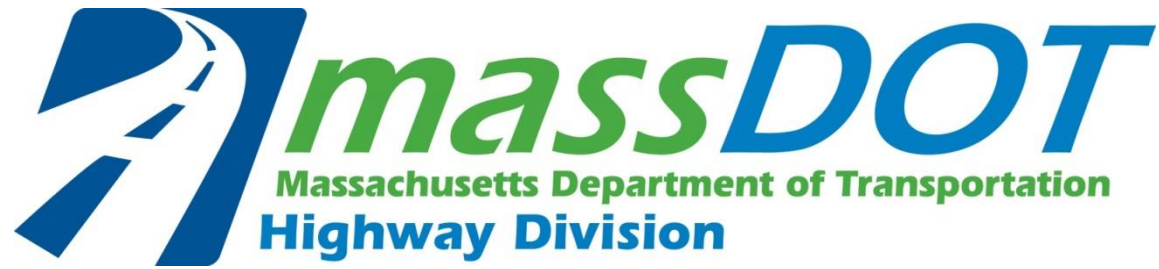
Numbers refer to project descriptions on previous slide

 Active Construction with Track/Lane Impacts - 24 hours
 Active Construction with Track/Lane Impacts - Off-Peak Hours Only

Stay Informed

- Monthly construction look-ahead are beginning – [sign up for the email list](#)
- Alerts for major traffic operations via
 - email bursts
 - local and city wide media
 - MassDOT social media
 - project website
- Next Meeting is anticipated for Spring 2019 in Chelsea





Thank You

Q&A

[http://www.massdot.state.ma.us/highway/
HighlightedProjects/TobinBridgeRepairProject.aspx](http://www.massdot.state.ma.us/highway/HighlightedProjects/TobinBridgeRepairProject.aspx)

Donny Dailey
MassDOT
Government and Public Affairs

Hannah Brockhaus
Howard Stein Hudson
Public Involvement Specialist
hbrockhaus@hshassoc.com
617 482 7080 x 228