



Deck Rehabilitation and Steel Repairs

Maurice J. Tobin Memorial Bridge

US 1 NB & Ramps - Chelsea

September 11, 2017

Maurice J. Tobin Memorial Bridge



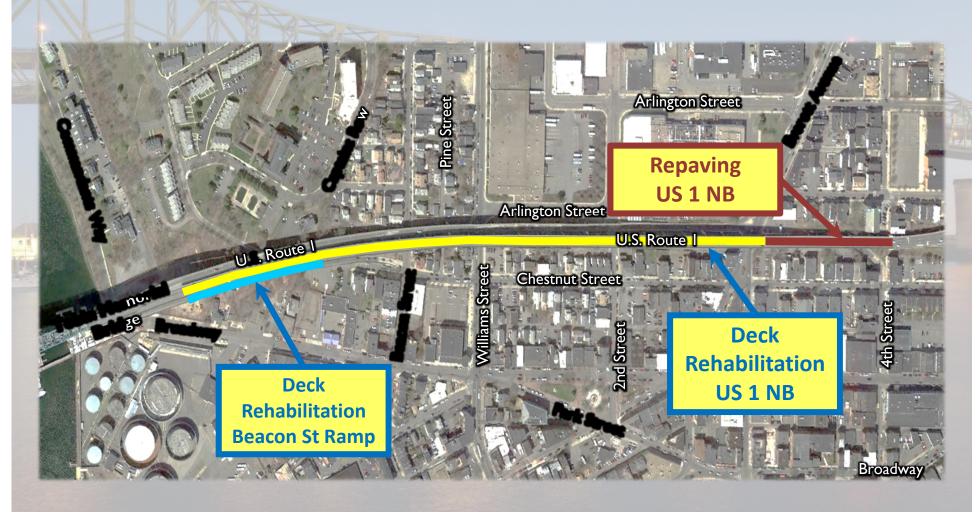


Current Project Limits

Chelsea Approach Spans



US 1 NB - Lower Deck

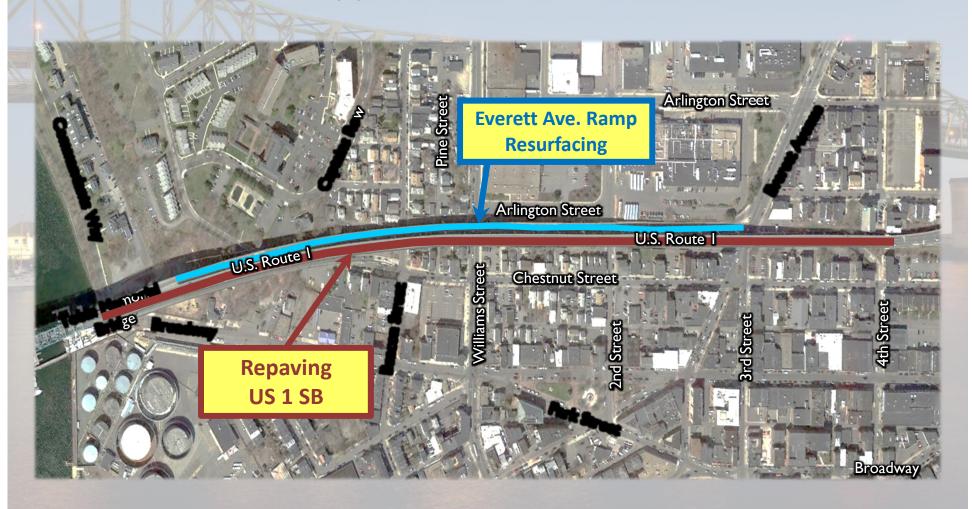


Current Project Limits

Chelsea Approach Spans



US 1 SB - Upper Deck



Scope of Work

Chelsea Approach Spans – Lower Deck







Scope of Work

Chelsea Approach Spans







Steel Repairs



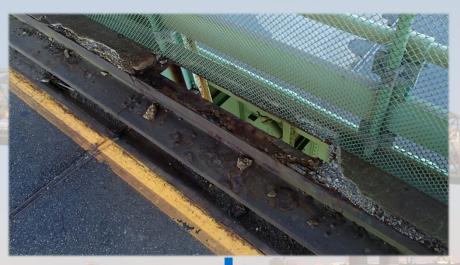


Scope of Work

Chelsea Approach Spans







Safetywalk Repairs





Lane Closures Required

Chelsea Approach Spans









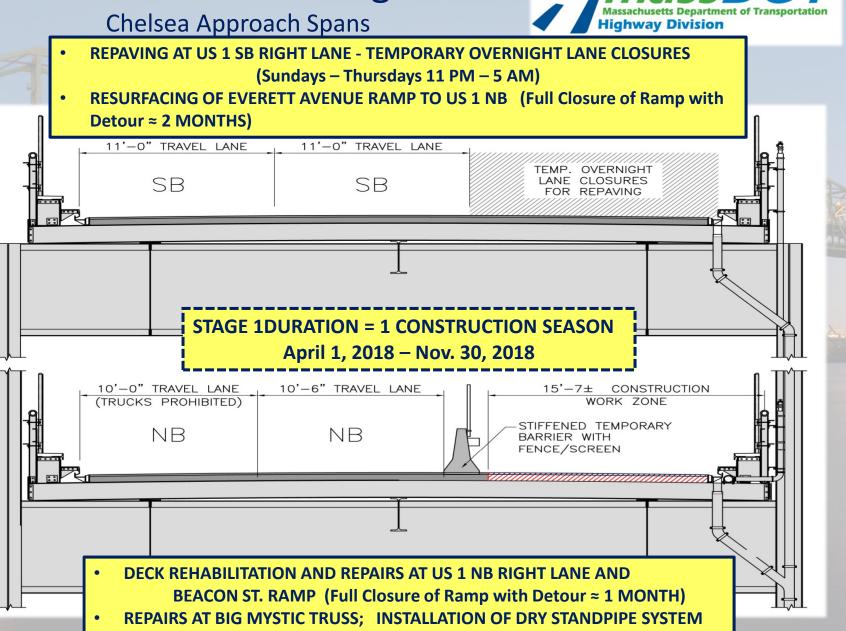






Traffic Control – Stage 1

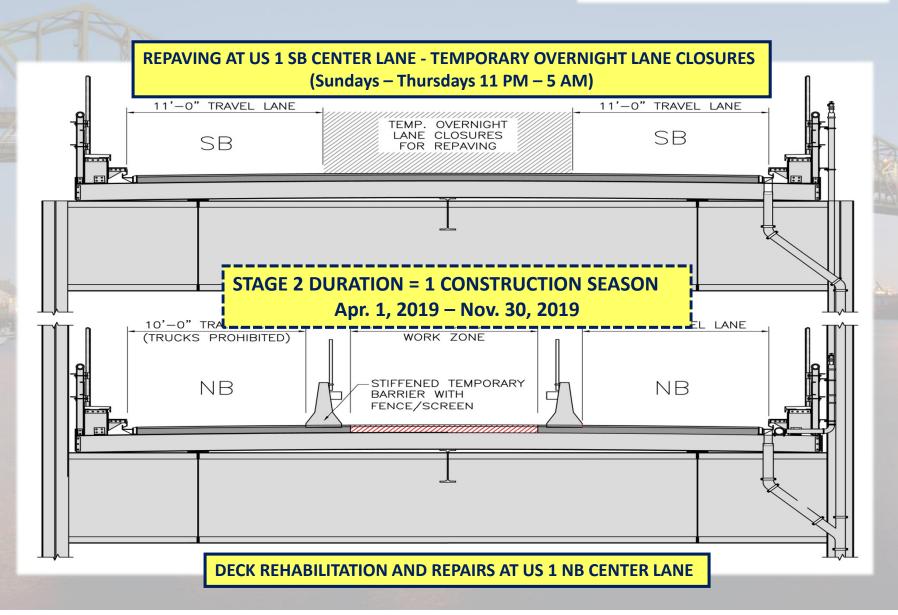




Traffic Control – Stage 2

Chelsea Approach Spans

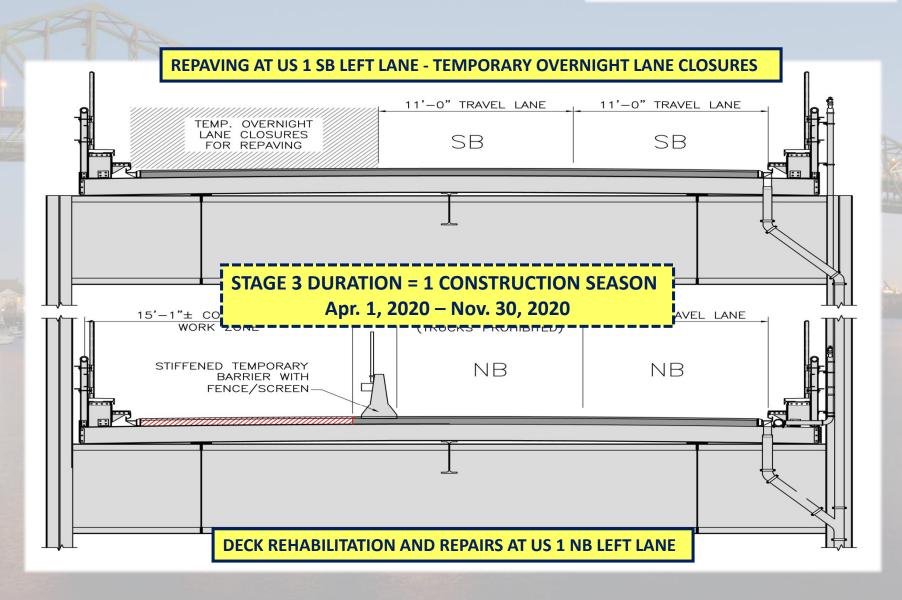




Traffic Control – Stage 3

Chelsea Approach Spans





Traffic Impacts During Construction



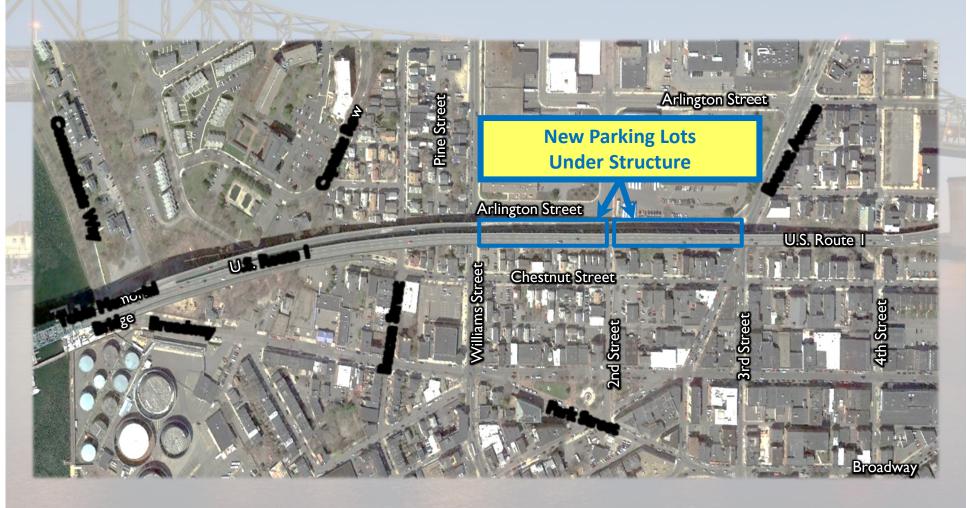
DATES	Northbound (Lower Deck)	Southbound (Upper Deck)
Apr. 1, 2018 - Nov. 30, 2018	One lane closed; two lanes open. Everett Ave. Ramp closed for approx. 2 months. Beacon St. Ramp closed for approx. 1 month.	Three Lanes Open except during milling and paving operations when 1 lane will be closed during night time hours (Sun Thurs, 11 PM - 5 AM)
Dec. 1, 2018 - Mar. 30, 2019	All 3 Lanes open. No closures.	All 3 Lanes open. No closures.
Apr. 1, 2019 - Nov. 30, 2019	One lane closed; two lanes open.	Three Lanes Open except during milling and paving operations when 1 lane will be closed during night time hours (Sun Thurs, 11 PM - 5 AM)
Dec. 1, 2019 - Mar. 30, 2020	All 3 Lanes open. No closures.	All 3 Lanes open. No closures.
Apr. 1, 2020 - Nov. 30, 2020	One lane closed; two lanes open.	Three Lanes Open except during milling and paving operations when 1 lane will be closed during night time hours (Sun Thurs, 11 PM - 5 AM)

Current Project Limits

Chelsea Approach Spans



Parking Lot Construction



Project Dates



- NTP will be issued approximately two weeks after Board approval
- Contract has a three-year duration that will start upon issuance of NTP
- Detailed schedule is due from the contractor 30 days after the NTP is issued
- Contract Duration: 1000 days
- Estimated completion date: June/2020

Project Dates



- Design-Bid-Build procurement method
- Advertised on Oct. 22, 2016
- Bids opened on July 18, 2017
- Canvass of bids performed and verified that documents are in order and that lowest bidder is eligible
- Lowest Eligible Bidder: JF White
- Lowest bid: \$41,637,112

Bids Submitted



• JF White: \$41,637,112

SPS New England: \$44,644,500

• D.W. White: \$45,415,051

• Barletta Heavy: \$53,496,000

Low Bid: \$41,637,112 (9.82% below estimate)

Average Bid: \$46,298,166 (4 bids received)

Project Costs

Deck Rehabilitation and Steel Repairs

Chelsea Approach Spans



Office Estimate

\$46,168,948

CIP Total:

\$49,100,000

Low Bid:

\$41,637,112

Total Project Cost:

\$51,564,534 (5.0% above CIP)

Contractor: JF White – performed the last Deck Rehabilitation project (2008 - Lower Deck - Toll Plaza & Big Mystic)