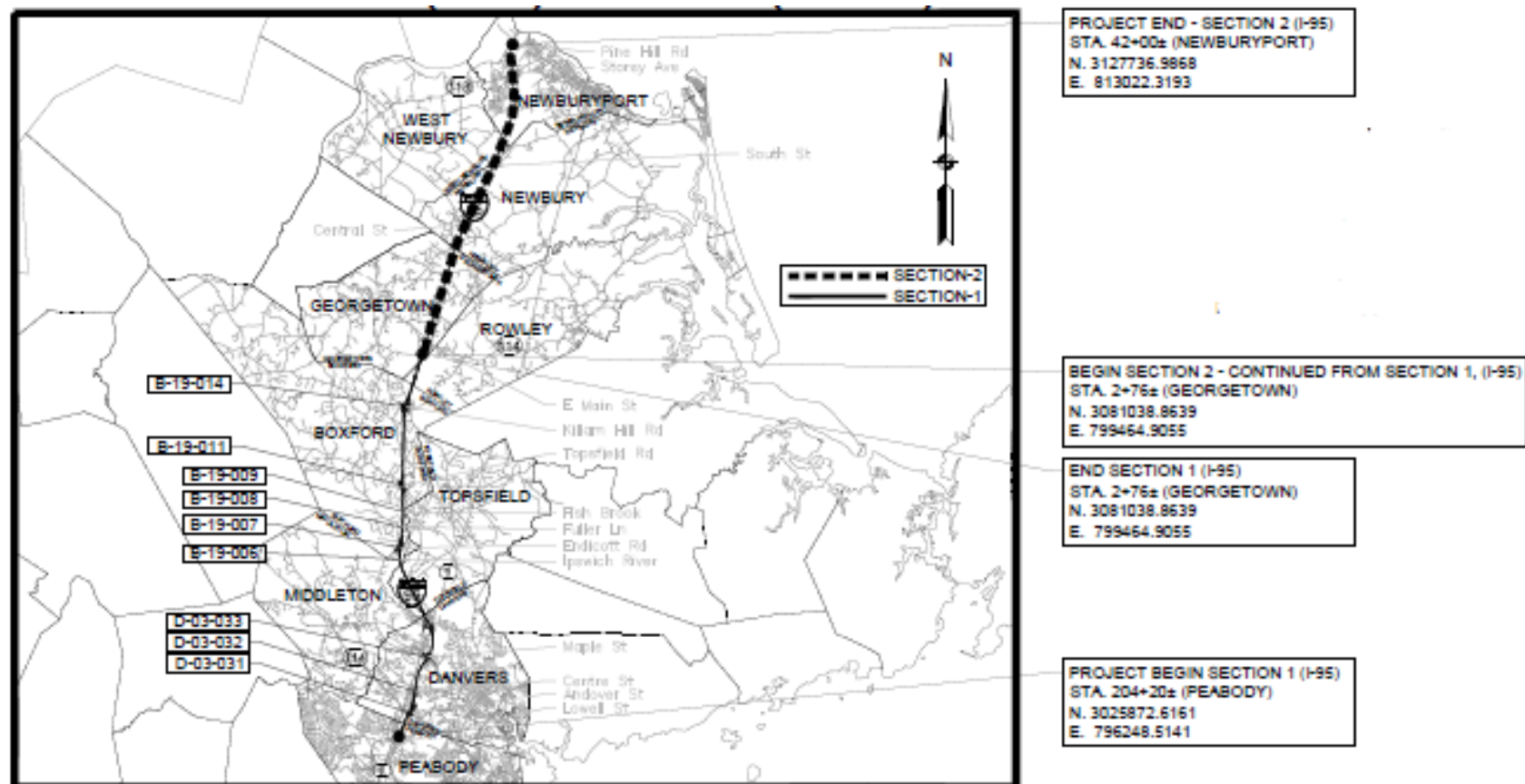




MassDOT Highway Construction Contract: 111374
Resurfacing and Related Work (Including 9 Bridge Decks and
Cable Barrier Installation) on a Section of Interstate 95

Joint Board Meeting
August 2020

Project Location



Overview



- Resurfacing and Related Work on a Section of Interstate 95, including Ramps
- Resurfacing and Related Work on 9 Bridge Decks to address deterioration
- Installation of Cable Barrier System within the median
- The project begins in Peabody (STA 204+20, MM 66.61) and continues north ending in Newburyport (STA 42+00, MM 86.09), a length of approx. 102,855 feet or 19.48 miles
- Requesting MassDOT Board approval of \$25.8M contract with Aggregate Industries NE Region Inc.
- Construction will take approximately 3.75 years to complete; staged to maintain 1 lane of traffic in each direction at all times

Purpose and Need

- Existing pavement has degraded to a poor level and requires resurfacing. Use of Pavement Preservation resurfacing will improve the pavement serviceability, condition and roadway safety. Resurfacing at all ramps will be included.
- Superstructures of bridges have deteriorated and require routine maintenance work.
- High number of crossover crashes within the project limits.
- This section of Interstate 95 was last resurfaced in 2005.

Construction Scope



Interstate 95 Mainline:

- Micromill and overlay with $\frac{3}{4}$ inch of Ultra Thin Bonded Overlay (UTBO) proposed surface treatment. Use of Hot Applied Asphaltic Crack Filler as surface preparation for the UTBO treatment
- Variable depth (0" – $\frac{3}{4}$ ") micromilling for inlay adjacent to shoulders
- Fog seal of roadway shoulders
- Installation of Cable Barrier within the median

Construction Scope (cont'd)



Interstate 95 Ramps & Secondary Roadways:

- Micromill and overlay with 2 inches of Superpave Hot Mix Asphalt the on- and off-ramps and segments of roadway within State Highway Layout at the intersections of Route 114, Centre Street, Route 62, Endicott Road, Topsfield Road, and Route 97.
- Reconstruction of sidewalks and ramps within secondary roadway limits as needed.

Construction Scope (cont'd)



Interstate 95 Bridges:

- Micromill and overlay of bridge decks with 2.5 inches of Superpave Hot Mix Asphalt.
- Selective bridge deck reconstruction
- Selective repairs and replacement of bridge joints

Construction Scope (cont'd)



Additional Work:

- Installation of Stormwater BMP
- Cleaning of existing catch basins and drainage pipes
- Removal and replacement of substandard and damaged guardrail segments and end treatments
- Replacement of scored concrete pavement at gores with milled rumble strips.
- Placement of pavement markings.

Traffic Impacts

- Lane shifting will have minor impacts to the overall traffic pattern.
- One lane of traffic in each direction will be maintained at all times.
- All work under this contract shall be conducted between the hours of 9:00 PM and 5:00 AM unless otherwise authorized by the Engineer and with certain exceptions for holidays.

Procurement



- Project was advertised May 16, 2020
- Engineers Estimate was \$22,193,982.00
- Bid Opening was July 28, 2020
- Three (3) bids were received:
 - **Aggregate Industries NE Region Inc. \$25,797,948.00**
 - Brox Industries \$26,236,967.32
 - PJ Keating Company \$27,672,985.00

Overall Project Budget



Line Item	Budget
Bid Amount	\$25,797,948.00
Contingencies	\$2,592,828.55
Construction Engineering	\$1,003,800.00
Total	\$29,394,576.55

- Prog. Cost in the 2020 TIP: \$25.98M, split 90/10% Fed/NFA
- CIP Cost: \$28.4M, FY 21-\$2.5M, Beyond FY21-\$25.9M
- Cost above STIP programmed amount covered by EWO Account

Request of the Board

- Staff request that the MassDOT Board authorize the Secretary of the Massachusetts Department of Transportation, or her designee, to award and execute MassDOT Construction Contract 111374: Resurfacing and Related Work (Including 9 Bridge Decks and Cable Barrier Installation) on a Section of Interstate 95 with Aggregate Industries NE Region Inc. for an amount not to exceed \$25,797,948.00.