

MassDOT Highway Construction Contract: 107617

Bridge Replacement

**Route 128 (Yankee Division Highway) over the
Waters River and Related Work (Noise Barriers)**

September 16, 2019

Purpose and Need

- Bridge D-03-018 is structurally deficient
- Sidewalks are impassable due to significant holes in the concrete deck
- Barriers were installed across the outside curb lines to prevent vehicles from traveling on the deteriorated area
- The project met strict federal requirements for inclusion of noise barriers to mitigate traffic noise

Managing Construction

Managing Construction - Traffic

- Traffic on Route 128 must be managed
- Two lanes of traffic maintained during peak and weekend hours
 - Reduction to 1 lane during night work
- Speed limit reduced to 45 mph through the work zone
- Temporary closure of Exit 24 NB and Exit 25 SB during final stage of construction

Project Benefits

- Replacement of a structurally deficient bridge
- Existing 3-span bridge replaced with single span to improve hydraulics
- Installation of a new Noise Barrier along Route 128 North and South (4,000 feet)

Contract Bid Information

- Project was advertised April 27, 2019
- Engineers Estimate was \$21,330,856.42
- Bid Opening was August 13, 2019

- Six (6) bids were received:

• D W White Construction Inc	\$21,549,327.83
• MIG Corporation	\$25,137,500.60
• Daniel O'Connells Sons Inc	\$25,320,438.00
• SPS New England Inc	\$26,406,408.00
• J F White Contracting Co	\$26,847,072.50
• Barletta Heavy Division Inc	\$31,387,000.00

Project Budget

Line Item	Budget
Bid Amount	\$21,549,327.83
Contingencies	\$2,154,932.78
Construction Engineering	\$1,077,466.39
Total	\$24,781,727.00

- 80% Federal funding, 20% State funding
- Programmed Cost in the 2020-25 TIP: **\$25M**

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 107617: Bridge Replacement Br. No. D-03-018 (NEXT D Beams) Route 128 (Yankee Division Highway) over the Waters River and Related Work (Noise Barriers) with DW White Construction Inc. for an amount not to exceed \$21,549,327.83.