

MassDOT Highway Construction Contract: 107617

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

September 16, 2019



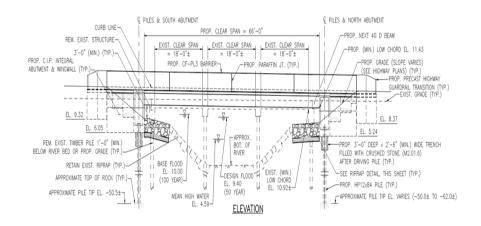
Purpose and Need

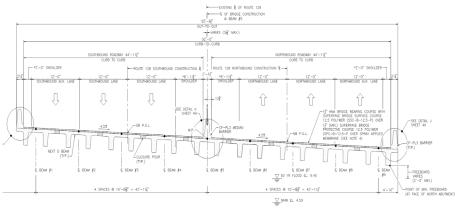
- Bridge D-03-018 is structurally deficient
- Sidewalks are impassable due to significant holes in the concrete deck
- Barriers were installed across the outside curb lines to prevent vehicles from traveling on the deteriorated area
- The project met strict federal requirements for inclusion of noise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



Managing Construction

- 5 year duration
- Bridge replaced in thirds with 6 total stages of construction
- New beams with integral abutments placed behind the existing abutments to minimize impacts to the river
- Reconstruction of a part of Route 128 will mitigate settlement issues







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.