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## MassDOT R & T Construction Contract: 609258 SCR Early Action Culverts

February 11, 2019





## Overview

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Today's board action will allow for the replacement, cleanout, and removal of culverts within the limits of South Coast Rail Phase 1. In addition, the contractor will perform the civil work associated with the Tarkiln Hill Grade Crossing and the construction of wetland replication areas.

This contract falls within the Board allocated \$108M in the CIP for South Coast Rail. To date, all early actions have been completed within the FY19 CIP allocation.





## Construction Scope

The project includes:

- Removal and replacement of 46 existing culverts
- Removal of a single culvert that crosses ROW
- Cleanout of 16 culverts
- Improvements to the existing storm water drainage system and railroad grade crossing improvements at Tarkiln Hill Rd
- Construction of six wetlands impact mitigation areas adjacent to railroad rights of way.

Line	Replace	Clean	Removal	Total by Line
Middleborough Secondary	10	11	0	<b>21</b>
New Bedford Main Line	22	1	1	<b>24</b>
Fall River Secondary	14	4	0	<b>18</b>
<b>Total</b>	<b>46</b>	<b>16</b>	<b>1</b>	<b>63</b>



## Project Benefits

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- Performing the culvert reconstruction work early, which has independent utility and freight benefits, will accelerate main line construction and reduce main line construction sequence challenges.
- Tarkiln Hill Road civil and grade crossing improvement work, which has been coordinated with a separate and distinct City of New Bedford roadway improvement project, will allow South Coast Rail improvements to be constructed in advance of the City's roadway project.
- The early construction of wetland mitigation sites quickly starts the five-year monitoring periods required by environmental permits, expediting permit close-out.
- Consolidation of all wetland mitigation in one contract facilitates construction oversight and provides greater consistency in regulatory reviews.



## Construction Procurement

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- Project was advertised on November 17, 2018
- Engineer's Estimate was \$17,400,000
- Bid Opening was on January 16, 2019
- Three (3) Bids were received:

**\$18,347,000.00 JF White Contracting Co.**

**\$19,579,395.00 Middlesex Corporation**

**\$21,619,000.00 Barletta Heavy Division**



- Bid analysis and pre-award meeting with the low bidder has been completed. The 5% (\$947,000) variance between the Engineer's Estimate and the low bid submitted is largely attributable to contractor's assessment of their performance risk (time and money) relative to access to work zones, working in a compact corridor, and accelerated schedule.



## Request of the MassDOT Board

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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 609258: SCR Early Action Culverts with JF White for an amount not to exceed \$18,347,000.