

From: [McArthur, Katherin \(DOT\)](#)
To: [Dalton, James M. \(DOT\)](#)
Cc: [Smith, James M. \(DOT\)](#)
Subject: 605311 (Marion - Wareham - Bridge Replacement, M-05-001=W-06-013 & W-06-016, Wareham Street (US 6) Over Weweantic River) 25% hazardous materials review
Date: Tuesday, January 25, 2022 12:12:42 PM
Attachments: [605311_25% Hazardous materials memo.01242022.pdf](#)

Hi Jim,

I've completed my 25% review of 605311, updated Bluebeam, and attached my comments to this email. Please let me know if you have any questions or concerns. Thank you!

Katherin McArthur
Environmental Analyst
EMS/Sustainability/HazMat
(857) 368-8806



To: Marie Rose, P.E., Director of Project Management

Attn: James Dalton

From: James M. Smith, Supervisor, Hazardous Materials Review *JMS*

Date: January 24, 2022

Subject: Marion – Wareham – Bridge Replacement, M-05-001=W-06-013 & W-06-016,
Wareham Street (US 6) over Weweantic River
Key #605311

SUMMARY

The referenced project was reviewed to evaluate the potential for oil and hazardous material impacts to the proposed work. Information regarding the proposed work was obtained from the 25% submission by Parsons Transportation Group Inc.

The Massachusetts Department of Transportation (MassDOT) is proposing the structural replacement of the two bridges, M-05-001=W-06-013 & W-06-016, that carry US-6, Wareham Street/Road and Marion Road, over the Weweantic River between the towns of Marion and Wareham. Improvements in the project include but are not limited to roadway reconstruction and widening to accommodate four 11-foot travel lanes, 4-foot shoulders and two 10-foot shared use paths. Pile supported retaining walls will also be constructed along the causeway connecting the two bridges, and along portions of the approaches.

Painted Steel

Lead-based paint was used on steel bridge components up through the early 1990s and may be encountered during this project. If it is anticipated that painted steel will be encountered, the project should include the General Requirements for Demolition and Work Involving Painted Steel (02/06/2020 version) to guide the Contractor during bridge demolition.

Painted Concrete

The project involves work that will impact concrete with a coating that may contain lead. The contractor must test the coating to determine whether lead is present. If lead is present, all work shall be performed in accordance with the OSHA standards contained in 29 CFR Part 1926.62 – Lead. Dust and debris shall be prevented from entering the environment (including but not limited to soil, air, and water). The contract shall comply with all applicable conditions of Section 961.68 “Handling of Hazardous Waste and Reporting Release Programs” and Section 961.69 “Submittals” of the 2020 MassDOT Standard Specifications for Highways and Bridges.

Treated Wood

The existing wooden formwork and shielding are suspected to have been treated with chemicals which may include, but are not limited to, creosote, pentachlorophenol and/or CCA. This project

should carry the special provision for Disposal of Treated Wood Products, Item 184.1. This item shall include all costs for sampling, laboratory testing, loading, transportation and disposal of the treated wood.

Asbestos

The 25% plans include utility conduits on the bridge marked as “FIBER” and “BAHC”. Please confirm whether or not these conduits include asbestos. If asbestos is present or if the material of which the conduit is made is unknown, it is recommended that Items 182.1 – Inspection and Testing for Asbestos (if needed) and 182.2 – Removal and Disposal of Asbestos be included in the contract.

Sediment

Environmental sampling found polycyclic aromatic hydrocarbons (PAHs) and metals in Weweantic River sediment. A Section 401 Water Quality Certificate (WQC) will be required for the project and should include directives covering how to handle and dispose of any contaminated dredged sediment.

The Hazardous Materials Unit recommends that Item 180.01 – Environmental Health and Safety Program, Item 180.02 – Personnel Protection Level C Upgrade, Item 180.03 – Licensed Site Professional Services, Item 181.11 – Disposal of Unregulated Soil, Item 181.12 – Disposal of Regulated Soil – In-State Facility, Item 181.13 – Disposal of Regulated Soil – Out-of-State Facility, and Item 181.14 – Disposal of Hazardous Waste be used to cover expenses associated with contaminated sediment. All of these items were properly included in the 25% submission. Once a WQC is obtained it should be checked to ensure that MassDOT item language complies with the requirements of the WQC.

Sediment sampling results must be included in the bid package.

Any special provisions recommended for this project are considered standard and, as such, should not be modified without prior written approval from Environmental Services.

This memorandum has been uploaded to ProjectInfo. Should you have any questions regarding the content of this memorandum please contact Katherin McArthur at katherin.mcarthur@dot.state.ma.us.

JMS/kmm