

SECTION 02220 – DEMOLITION

All work and materials shall conform to the Drawings and the provisions of MDOT SECTION 201 – CLEARING RIGHT-OF-WAY, SECTION 202 – REMOVING STRUCTURES AND OBSTRUCTIONS, SECTION 637 – DUST CONTROL with the following modifications and additions:

*MODIFICATIONS:*

Section 201.01 Description – Replace “limits of right-of-way and easement areas” with “project work limits”.

Section 202 Removing Structures and Obstructions – Replace all references to “right-of-way” with “project work limits”.

Section 202.02 Removing Buildings – Removal and disposal of all components coated with lead based paints and asbestos containing materials shall be in accordance with all applicable local, state and federal regulations.

Lead-based paint components such as piping, supports, railings, or other fastened components that can be removed by unbolting or whole in an intact condition without burning, cutting, scraping, grinding, crushing, crumbling, sanding or other actions creating dust and potential exposure hazards shall be removed and disposed in such a manner. In the event components can not be removed without potential dust exposure, then requirements under OSHA 29 CFR 1926.62 shall be followed for training, personal monitoring, and personal protection.

Asbestos gaskets, if removed whole and intact (without scraping, sanding, grinding, or by mechanical means) to prevent crumbling or generating dusts, can be removed by a non-licensed contractor and disposed of as miscellaneous non-friable waste. Asbestos gaskets in a friable condition (crumbling, pulverized or reduced to dust) shall be removed by a licensed asbestos abatement contractor in accordance with State of Maine Chapter 425 Asbestos Management Regulations and OSHA 29 CFR 1926.1101. CONTRACTOR shall inform landfill of asbestos gaskets prior to disposal.

Section 202.03 Removing Existing Superstructure, Structural Concrete, Railings, Curbs, Sidewalks and Bridges – Add the following: Refer to project drawings for materials to be retained by City.

*ADDITIONS:*

JOB CONDITIONS:

- A. Occupancy: CITY will be continuously occupying areas adjacent to demolition. Conduct demolition work in manner that will minimize disruption of CITY’s normal operations.
- B. Permits: CONTRACTOR shall determine and obtain all required permits for demolition.
- C. Condition of Structures: The DEPARTMENT and CITY assume no responsibility for actual condition of structures to be demolished.
  - 1. Conditions existing at time of inspection for bidding purposes will be maintained by CITY in so far as practicable. However, variations within structure may occur by CITY’s removal and salvage operations prior to start of demolition work.

- D. Partial Removal: Items must be removed from structure as work progresses. Salvaged items must be transported from site as they are removed.
- E. Explosives: Use of explosives will not be permitted for demolition purposes.
- F. Traffic: Conduct demolition operations and removal of debris to ensure no interference with roads, streets, walks, and other adjacent occupied or used facilities. Do not close or obstruct streets, walks or other occupied or used facilities without permission from authorities having jurisdiction. Provide alternate routes around closed or obstructed traffic ways.
- G. Protections: Provide temporary barricades and other forms of protection to ensure safe passage of personnel around area of demolition. Conduct operations to prevent injury to adjacent buildings, structures, other facilities, and persons.
  - 1. Provide protective measures as required to provide free and safe passage of people.
  - 2. Provide interior and exterior shoring, bracing, or support to prevent movement, settlement, or collapse of structure or element to the demolished and adjacent facilities or work to remain.
  - 3. Remove protections at completion of Work.
  - 4. Demolition activities will be completed in a manner consistent with 29 CFR 1926/1910 - OSHA Safety and Health Standards for Construction Industry. It is the responsibility of the CONTRACTOR to assure compliance with the OSHA standards.
- H. Damages: Promptly repair damages caused to adjacent facilities by demolition operations at no cost to DEPARTMENT.
- I. Environmental Controls: Use water sprinkling, temporary enclosures, and other suitable methods to limit dust and dirt rising and scattering in air to lowest practical level. Comply with governing regulations, permits, laws, ordinances, etc. pertaining to environmental protection. Dust control will be maintained in accordance with the provisions of MDOT Section 637 and is the responsibility of the CONTRACTOR.

PREPARATION:

- A. General: Provide interior and exterior shoring, bracing, or support to prevent movement, settlement, or collapse of structure or element to the demolished and adjacent facilities or work to remain.
- B. Stop demolition operations and notify RESIDENT immediately if safety of structure appears to be endangered. Take precautions to support structure until determination is made for continuing operations.
- C. Locate, identify, stub-off and disconnect building utility services that are not indicated to remain in accordance with plans.

DEMOLITION:

- A. General: Perform selective demolition work in a systematic manner. Use such methods as required to complete work indicated on Drawings or as specified in accordance with demolition schedule and applicable regulations.

- B. Provide services for effective air and water pollution controls (water sprinkling, temporary enclosures, and other suitable methods) to limit dust and dirt rising and scattering in air to lowest practical level. Comply with governing regulations, permits, laws, and ordinances pertaining to demolition of structures.
- C. Saw-cut asphalt and concrete paved surfaces before removal. Joint cut should be neat and straight.

SALVAGED MATERIALS:

- A. General: Where shown on the Drawings or specified as Salvage, Property of the CITY, or Deliver to CITY, carefully remove indicated items, clean, store, and deliver to CITY at the Public Works Materials Stock Yard located on Outer Congress Street.
- B. Any unanticipated items of significant historic or commercial value discovered in the demolition work shall remain the property of the CITY. CONTRACTOR will have the option to take possession of all other demolition materials or to dispose of them suitably. No materials assigned to CONTRACTOR may remain on site without written authorization from RESIDENT.

\*\*\* END OF SECTION \*\*\*