

**SPECIAL PROVISION**

**F-I215(216)13**

**SECTION 02223S**

**REMOVE BRIDGE**

**PART 1 GENERAL**

**1.1 SECTION INCLUDES**

- A. Remove and dispose of existing bridge. Remove the two main spans over I-215 using SPMT's. Remove the first and last spans, substructure and foundations using conventional methods.
- B. Salvage or dispose of in an approved manner.

**1.2 RELATED SECTIONS**

- A. Section 00727: Control of Work
- B. Section 01355: Environmental Protection
- C. Section 02056: Embankment, Borrow, and Backfill

**1.3 ABBREVIATIONS**

- A. SPMT Self Propelled Modular Transport

## **PART 2 PRODUCTS**

### **2.1 COMMON FILL**

- A. Refer to Section 02056

### **3.1 PREPARATION**

- A. Bridge Removal Using the SPMT:
  - 1. Remove all connections from superstructure to substructure to allow the SPMT's to lift the superstructure from the supports.
  - 2. Prepare structure unloading site north of the 4500 South off-ramp on the west side of I-215. Grade area to allow a level and compacted site for the SPMT's to maneuver on to unload the superstructure.
- B. Removal of Last Spans, Substructure and Foundations Using Conventional Methods:
  - 1. Review all work procedures with Engineer.
  - 2. Coordinate utility location in accordance with Section 00727.
    - a. Locate and protect all active utilities.
    - b. Before beginning work:
      - 1. Notify Engineer.
      - 2. Notify all affected utilities.
      - 3. Blue Stake the area.
- C. Restore utility services disturbed by construction operations.
- D. All materials not designated for use or salvage becomes the property of the Contractor unless owned by a utility company.
- E. Excavate all material necessary to permit removal of structure.

### **3.2 SUPERSTRUCTURE REMOVAL USING SPMT's**

- A. Remove spans 2 and 3 of existing structure using SPMT trailers. Contractor will supply required bracing, cribbing, lift supports, and all other items required to remove structure from existing supports and transport to unloading area.
- B. Provide temporary superstructure supports at the structure unloading area to unload the superstructures (2 spans) on to.
- C. Demo and remove superstructures from the temporary unloading area.

### **3.3 REMOVAL AND DISPOSAL**

- A. Remove and dispose of all material promptly using methods acceptable to the Engineer and in accordance with all applicable rules and regulations.
  - 1. Include all excavation, removal, transportation and disposal costs in the item of work.
- B. Repair any damage to adjacent area at no additional cost to Department.
- C. Remove all concrete to at least 2.0 ft below the finished grade, or 2.0 ft below the natural ground surface, whichever is lower.
- D. Obtain all required permits and provide an environmentally safe area for disposal of removed items. Refer to Section 01355.
- E. Dispose of removed obstructions at a site secured by the Contractor. Furnish the Engineer with a copy of the disposal permits or agreements.

### **3.4 BRIDGE**

- A. Arrange detours for traffic flow according to traffic control plans.
- B. Excavate all material necessary to permit removing structure.
- C. Remove structure so that no remaining portion is closer than 3.0 ft to any watercourse or closer than 2.0 ft to the subgrade and embankment surface or within 2.0 ft of the natural ground surface.
- D. Remove all structures that will interfere with proposed construction.

END OF SECTION