

Special Specification 7233

Remove and Install Ferry Landing Grating Panels



1. DESCRIPTION.

This Item will govern for the furnishing of all labor, equipment and materials for the removal and installation of the Ferry Landing Grating Panels as shown on the plans.

2. MATERIALS.

All materials must be as shown on the plans and conform to the pertinent requirements of the following items:

- Item 441, "Steel Structures"
- Item 442, "Metal for Structures"
- Item 445, "Galvanizing"
- Item 446, "Cleaning, Paint and Painting"
- Item 447, "Structural Bolting"
- Item 448, "Structural Field Welding"
- Item 449, "Anchor Bolts"
- Item 471, "Frames, Grates, Rings, Covers."

Furnish new materials. Ensure all materials and construction methods conform to the details shown on the plans and the requirements of this Item. Materials may be referenced by the following list of standards.

- ASTM A153, Zinc Coating (Hot Dip) on Iron and Steel Hardware,
- ASTM F3125 Grade A325, High-strength Structural Bolts and Assemblies, and
- ASTM F738M, Stainless Steel Bolts.

- 2.1. **Anchor Bolts, Nuts and Washers.** Meet the requirements of ASTM F3125 Grade A325 or ASTM A449, size per manufacturer's recommendations and will be galvanized in accordance with ASTM A153.

3. CONSTRUCTION.

Construction methods, workmanship, equipment and materials used must conform to the various items of the standard specifications which govern the items of work to be performed under this contract and as specified on the plans.

Follow the sequence of removal and construction provided in the plans to ensure existing and new substructure elements adjacent to the channel are continuously protected from marine traffic.

4. MEASUREMENT.

This Item will be measured by each Ferry Landing Grating Panel System installed. Removal of the existing system is subsidiary to the installation of the new system.

5. PAYMENT.

All work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Ferry Landing Grating Panel System." This price must be full compensation for furnishing tools, equipment, labor, materials and incidentals necessary to complete the work.