

ITEM 656.01070312 REMOVE, STORE AND REASSEMBLE EXISTING HINGED ALUMINUM PLATES (EA)

1. DESCRIPTION:

- 1.01 This work shall consist of dismantling, storing and reassembling existing hinged aluminum plates where indicated on the Contract Plans or where ordered by the Engineer. It shall include the removal of bolts necessary to dismantle existing aluminum plates and the installation of new bolts necessary for reassembly.

2. MATERIALS:

- 2.01 The aluminum plates being removed and reassembled are minimum 1/4" (6 mm) diamond plate aluminum. The hinges are constructed of aluminum or brass alloy with grade 316 stainless steel pins. The aluminum plates have their edges beveled so as not to present a tripping hazard. The aluminum plates and hinges have been supplied with a mill finish. The new fasteners shall match the diameter and length of the existing fasteners that are removed and be galvanized in accordance with Subsection 719-01.

3. CONSTRUCTION DETAILS:

- 3.01 All existing hinged aluminum plates designated for removal, storage, and reassembly shall be carefully marked prior to dismantling.
- 3.02 Disassembly work shall be performed in accordance with the requirements of Subsection 589-3. The same procedures followed for the removal of steel shall be followed for the removal of the hinged aluminum plates. Prior to the beginning of disassembly work, the Contractor shall document the condition of the existing hinged aluminum plates. The Engineer shall verify, and certify, the accuracy of the Contractor's documentations. After the verification and certification, the Engineer shall be supplied with two certified copies of the documentation. All damage or otherwise unacceptable hinged aluminum plate conditions, which are not so documented, shall be the Contractor's sole responsibility. The Contractor shall repair, or replace, undocumented unacceptable hinged aluminum plates as required by the Engineer at no additional cost to the Authority. All new miscellaneous metal and new fasteners other than the hinged aluminum plates and members required to reassemble and install the existing hinged aluminum plates shall be included under the cost of this item.
- 3.03 Any modification made to the existing lower catwalk lower planks that affects the wood preservative treatment shall be done in accordance with Subsection 594-3.02.
- 3.04 Hinged aluminum plates shall not come into direct contact with any steel surface unless otherwise noted.
- 3.05 Installation of the hinged aluminum plates has been done in order to provide maintenance personnel safe access. Installation of hinges to the aluminum plate and walking surface shall be in a manner so as not to present a tripping hazard to pedestrians. Once the hinged aluminum plate has been removed the contractor shall take the appropriate measures to prevent fall hazards.
- 3.06 No new holes will be required to properly reinstall the hinged aluminum plates. Modifying the existing hinged aluminum plates without prior permission from the Engineer is prohibited. Hinged aluminum plates modified without prior permission of the Engineer shall be replaced by the Contractor at no additional cost to the Authority.

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3. CONSTRUCTION DETAILS: (cont'd)

3.08 Any plates or fasteners damaged by the Contractor shall be replaced with new ones at no additional cost to the Authority.

4. METHOD OF MEASUREMENT:

4.01 Hinged aluminum plates dismantled, stored and reassembled shall be measured as the number of complete plates dismantled, stored and reassembled in accordance with this specification, the plans and directions of the Engineer.

5. BASIS OF PAYMENT:

5.01 The unit price bid for each dismantling, storage, and reassembly of the hinged aluminum plates shall include the cost of furnishing all labor, materials, and equipment necessary to satisfactorily complete the work.

5.02 The Contractor shall be paid fifty (50) percent of the unit price bid for each dismantling, storage, and reassembly of the hinged aluminum plates when the plates are removed and stored. The remaining fifty (50) percent of the unit price bid for each dismantling, storage, and reassembly item on the contract plans shall be paid when the hinged aluminum plates are reassembled and accepted by the Engineer. Monthly payment shall be made for this work in proportion to the work satisfactorily completed.