MICHIGAN

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

FOR

**STEEL TRASH RACK REPLACEMENT**

DET:MS 1 of 2 APPR:NAP:DMG:07-21-21

**a. Description.** This work consists of removing and disposing of existing steel trash racks and furnishing and installing new galvanized steel trash racks at the pump station influent as shown on the plans and as directed by the Engineer.

**b. Materials.** Furnish materials in accordance with the following sections of the Standard Specifications for Construction.

Adhesive Anchoring 712

Structural Steel 906

Anchor Bolts, Nuts and Washers 908

Miscellaneous Metal Products 908

Structure Expansion Anchors and Bolts 914

Provide steel for trash racks in accordance with *ASTM A709/A709M* *Grade 36* and section 906 of the Standard Specifications for Construction unless otherwise noted in the contract.

Hot dip galvanize trash racks after fabrication in accordance with to *ASTM A123/A123M* and *ASTM A153/A153M* where applicable.

Fabricate trash racks in accordance with dimensions shown on the plans. Ensure clear spacing of vertical bars is as shown on the plans.

**c. Shop Drawing Submittals.** Prepare shop drawings of fabrication details in accordance with subsection 104.02 of the Standard Specifications for Construction. Do not use contract plans instead of shop drawings. Clearly indicate any field measurements that differs from the plans on the shop drawings. Do not start fabrication before the Engineer approves the shop drawings. Provide the QAI with a hardcopy of the approved shop drawings.

The approval of shop drawings does not relieve the Contractor from the responsibility to correct errors or omissions or to provide adequate field measurements as may be required. It is the Contractors responsibility to call attention to all deviations from the plans, specifications, and details. If deviations have not been clearly identified, they will not be considered as part of the shop drawing approval.

**d. Construction.** Remove existing steel trash racks as directed by the Engineer. Reserve existing removed trash racks, found to be in good condition, for use by the Department in accordance with subsection 204.03.B of the Standard Specifications for Construction.

Dispose of material in accordance with subsection 204.03.B of the Standard Specifications for Construction. Field measure existing openings and support dimensions prior to fabrication. Prepare existing opening to receive new trash racks. Fabricate trash rack sections as shown on the plans to fit existing openings. Install trash rack panels in existing openings. Secure trash racks as shown on plans.

Repair all galvanized areas damaged during construction in accordance with subsection 716.03.E of the Standard Specifications for Construction. If damage is excessive, the Engineer reserves the right to require the entire trash rack to be hot dip galvanized again at no cost to the contract.

**e. Measurement and Payment.** The completed work, as described, will be measured as a lump sum and paid for at the contract price using the following pay item:

**Pay Item Pay Unit**

Steel Trash Rack Replacement (Structure Identification) Lump Sum