MICHIGAN

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

FOR

**TEMPORARY WORK PLATFORM**

BRG:AM 1 of 2 APPR:SCK:JAB:07-19-21

**a. Description.** This work consists of designing, furnishing, installing, and removing a temporary work platform under the bridge deck to perform substructure repairs.

**b. Materials.** Furnish materials that meet the requirements of sections 906, 908 and 912 of the Standard Specifications for Construction and the following loading requirements:

Design the temporary work platforms in accordance with the *AASHTO Guide Specification for Bridge Temporary Works*.

**c. Submittals.** Submit complete shop drawings and design calculations, sealed by a Professional Engineer licensed in the State of Michigan, for the temporary work platform in accordance with subsection 104.02 of the Standard Specifications for Construction. Include details of fabrication, erection, attachment to the existing structure, locations, and staging on the shop drawings. Do not submit partial shop drawings unless approved by the Engineer.

1. Design Requirements.

A. The total dead load of the platform in the unloaded condition must not exceed 10 psf.

B. The total live load on the platform must not exceed 50 psf in addition to the weight of the proposed temporary support system.

2. Test Reports. Where reference is made to *ASTM* designations provide test reports that certify conformance to each test method.

3. Shop Drawings. Include on each sheet a title block in the lower right-hand corner with the sheet number of the drawing, Department job number and control section. Include revision dates and remarks on revised drawing sheets. Detail the railing system used on the temporary work platform, including any anchorage points to the existing structure. Show all details, dimensions, and cross-sections necessary to clearly indicate the attachment and anchorage of the temporary work platform to the existing structure. Give maximum loads for anchorage points.

Allow a minimum of 14 calendar days for Engineer review of the first shop drawing submittal and each subsequent resubmittal. No extensions of contract time or additional compensation will be granted for delays in preparing the final shop drawings or securing approval from the Engineer unless the Engineer’s review of a submittal exceeds the 14 calendar day allowance and such a delay impacts the final project completion date.

Prepare shop drawings as outlined herein and include all technical data and details pertinent to the design, fabrication, and installation of the temporary work platform.

**d. Construction.** Install temporary work platform at the locations where the repair cannot be performed using equipment from the top of the deck or from the ground. Install the temporary work platform in accordance with section 707 of the Standard Specifications for Construction. Do not alter the existing structural steel members. Ensure attachment details to the existing bridge are approved by the Engineer. Note that the spans move relative to each other; at expansion joints, make no attachments that would lock the two items together. Do not weld to any existing bridge member. Do not stockpile material on the temporary work platforms.

Protect coatings against damage from any attachments. Repair any damaged coating in accordance with section 715 of the Standard Specifications for Construction and to the satisfaction of the Engineer.

**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**

Temp Work Platform (Structure Identification) Lump Sum

**Temp Work Platform (Structure Identification)** includes shop drawing preparation, design, furnishing, installing, maintaining, and removing the temporary work platform used to complete the work. Payment also includes any work to repair damaged coatings.