MICHIGAN

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

FOR

**PEDESTRIAN STRUCTURES, TEMPORARY, SPECIAL FOR JOB NUMBER 106621**

BRG:KSF 1 of 2 APPR:SCK:DMG:01-11-24

**a. Description.** This work consists of designing, constructing, maintaining, removing, and disposing of a temporary pedestrian bridge and foundation support system in accordance with section 714 of the Standard Specifications for Construction, the plans and this special provision.

**b. Materials.** None specified.

**c. Construction.** Unless directed otherwise by the Engineer, construction of the temporary pedestrian bridge must be in accordance with the plans and subsection 714.03 of the Standard Specification for Construction, except as specified in this special provision.

Use of the temporary pedestrian bridge is required during construction of the Edward Hines Drive over Old M-14 (Ann Arbor Road) vehicular bridge.

1. Design the temporary pedestrian bridge to carry live loading in the amount of 90 psf over the entire structure and in accordance with the current *AASHTO LRFD Bridge Design Specifications* and *AASHTO LRFD Guide Specifications for the Design of Pedestrian Bridges.*

2. Furnish a minimum 14-foot clear width; measured between inside faces of pedestrian railing at right angles to the temporary bridge crossing.

3. Design pedestrian railing and connections to the temporary pedestrian bridge in accordance with the *AASHTO LRFD Bridge Design Specifications* and *AASHTO LRFD Guide Specifications for the Design of Pedestrian Bridges.*

4. Furnish a surface on the temporary pedestrian bridge and from the temporary pedestrian bridge to the temporary approaches that meets the requirements of the ADA.

5. The bridge must not encroach below the proposed low chord of the new vehicular bridges being constructed as part of this project.

6. Live load deflection on the bridge must not exceed 1/1000 of the span length.

7. Furnish a foundation support system which will not adversely impact existing utilities to remain (both overhead and underground), and the existing and proposed structures.

**d. 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 items:

**Pay Item Pay Unit**

Structures, Temp, Spec Lump Sum

Structures, Temp, Spec, Rem Lump Sum

1. **Structures, Temp, Spec** includes payment for design, furnishing, installing, and maintaining the temporary pedestrian structure and foundation.

2. **Structures, Temp, Spec, Rem** includes the complete removal and disposal of the temporary pedestrian bridge and foundation.

Payment for temporary pedestrian pathways on the approaches to the temporary pedestrian bridge will be paid for with other items.