MICHIGAN

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

FOR

**TEMPORARY BARRIER GATE**

MET:RDM 1 of 2 APPR:CT:CRB:05-06-21

**a. Description.** This work consists of furnishing, installing, adjusting, operating, maintaining, and removing a gating system within a temporary concrete barrier, allowing access of emergency vehicles to the other side.

**b. Materials.** Provide a minimum 26 foot portable steel barrier gate device that meets the criteria for NCHRP 350, Test Level 3 (TL-3) or MASH, TL-3 for longitudinal barrier.

Provide barrier reflector markers meeting the requirements of subsection 922.04.A of the Standard Specifications for Construction.

**c. Construction.** The cross section and length of the temporary concrete barrier used on the project is to be submitted to the temporary barrier gate manufacturer, a minimum of 2 weeks prior to the date the temporary barrier gate is needed on site. Ensure that the proper transition components are provided.

Install the temporary barrier gate per the manufacturer’s recommendations.

Install the transition pieces of the barrier gate onto the temporary concrete barrier off site. Ensure a manufacturer’s representative is on site to oversee the installation of the first transition components and barrier gate. Coordinate with the manufacturer to ensure that a manufacturer’s representative is on site during installation.

Place the temporary barrier gate where shown on the plans or as directed by the Engineer. Deploy the barrier gate at the same time and sequence as the temporary concrete barrier. Place barrier reflectors of the appropriate color on the barrier gate.

Install barrier reflector markers on the barrier gate as described in subsection 812.03.D.10 of the Standard Specifications for Construction.

Ensure the Contractor, MDOT personnel and first responders are trained by the manufacturer to operate the barrier gate to quickly open and close the barrier gate. Unless otherwise specified by the Engineer, the number of participants at each training session will be limited to a maximum of 50 individuals. The training will take place at an offsite location, determined by the Contractor, and approved by the Engineer.

Operate the gate hinged on one end when possible. If necessary, operate the gate by unhinging both ends of the gate and rolling the gate out of its space. During gate operation, ensure that no portion of the gate enters an active traveled lane. Ensure the gate is closed properly before traffic can run adjacent to it.

Personnel other than the Contractor may operate the gate due to an incident. When notified by the Engineer that the gate has been left open or closed improperly, immediately travel to the gate location and close the gate properly. If the Contractor observes that the gate has been left open or closed improperly by individuals other than the Contractor’s workers, immediately contact the Engineer and obtain the Engineer’s approval before attempting to close the gate properly.

**d. Measurement and Payment.** The completed work, as described, will be measured and paid for at the contract unit price using the following pay items:

**Pay Item Pay Unit**

Barrier Gate, Temp, Furn Each

Barrier Gate, Temp, Oper Each

Barrier Gate, Temp, Relocated Each

Barrier Gate, Temp, Open/Close Each

1. **Barrier Gate, Temp, Furn** will be measured in accordance with subsection 812.04.L.1 of the Standard Specifications for Construction. Payment includes furnishing and installing the barrier gate system in the initial location with barrier reflectors attached. Payment for **Barrier, Gate Temp, Furn** includes the manufacturer’s representative presence during initial installation. Payment also includes the offsite training of the Contractor, MDOT personnel and first responders in the operation of the temporary barrier gate.

2. **Barrier Gate, Temp, Oper** includes maintaining and final removal of the barrier gate from the project.

3. **Barrier Gate, Temp, Relocated** includes the cost of relocating the temporary barrier gate longitudinally on the same roadbed, or to another roadbed, including temporarily storing the barrier gate. Temporary storage of the barrier includes removing, loading, and hauling the barrier gate to a temporary storage site, followed by reloading, hauling, and re-installation in the new location.

4. **Barrier Gate Temp, Open/Close** includes all work associated to open the gate and close the gate to allow egress and ingress for emergency vehicles during an incident. Work may require removing or sweeping debris from the pavement to allow the wheels on the temporary barrier gate to roll freely. Payment will be for each occurrence of an incident when the gate is required to be opened and closed. Depending on the situation, the gate may both be swung open like a door or unhinged on both ends and pushed out of the way. Payment for the opening and closing of the gate will not be included in the payment made under the **Barrier Gate, Temp, Oper** pay item.