MICHIGAN

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

FOR

**DETECTABLE WARNING SURFACE, CAST IRON, BRIDGE**

BRG:JJA 1 of 2 APPR:WCC:CPM:07-10-24

**a. Description.** This work consists of constructing bridge curb ramps with cast iron detectable warning surfaces as shown on the plans. Complete this work in accordance with the standard specifications, Standard Plan R-28 Series, sections 707 and 906 of the Standard Specifications for Construction, and as described herein.

**b. Materials.** Use detectable warning surfaces that furnish tactile and visual warning and contrast visually with adjacent walking surfaces, either light-on-dark or dark-on-light. Furnish cast iron detectable warning surfaces that conform to the dimensions shown on Standard Plan R-28 Series. Add shear developers with 3/4 diameter shear studs on back side meeting the requirements of subsection 906.09 of the Standard Specifications for Construction. Install radial cast iron detectable warning plates for ramps where the back of curb and gutter radii are from 9.5 foot to 35 foot. Install rectangular or square cast iron detectable warning plates at other locations. Select one of the following products, or furnish an Engineer approved equal, for this project.

EJ (East Jordan)

301 Spring Street

East Jordan, MI 49727

Phone: 800-874-4100

Product Name: DURALAST Detectable Warning Plate with Black Asphaltic Coating

TufTile, Inc.

905 Telser Road

Lake Zurich, IL 60047

Phone: 888-960-8897

Product Name: TufTile Cast Iron Detectable Warning Plate, FED #37038

ADA Solutions

323 Andover Street – Suite 3

Wilmington, MA 01887

Phone: 800-372-0519

Product Name: Iron Dome

Furnish all detectable warning surfaces from the same manufacturer unless otherwise approved by the Engineer.

**c. Construction.** Construct curb ramps in accordance with subsection 803.03 of the Standard Specifications for Construction and Standard Plan R-28 Series. Install detectable warning surfaces in accordance with the manufacturer’s instructions and Standard Plan R-28 Series.

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

**Pay Item Pay Unit**

Detectable Warning Surface, Cast Iron, Bridge Foot

**Detectable Warning Surface, Cast Iron, Bridge** will be measured in place by length along the center of the 24 inch wide detectable warning material at specified locations.

All work required by this special provision will be measured and paid for as specified in subsection 803.04 of the Standard Specifications for Construction.