MICHIGAN

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

FOR

**DETECTABLE WARNING SURFACE, MODIFIED**

OAK:LLS 1 of 2 APPR:CPM:CAL:06-09-22

**a. Description.** This work consists of installing ADA compliant detectable warning surfaces in accordance with this special provision, the plans, the standard specifications, and Standard Plan R-28 Series, except as modified herein.

**b. Materials.** Furnish materials in accordance with the standard specifications and as specified herein.

1. Straight Sections. Where the sidewalk is 5 feet in width or less, furnish and install a singular prefabricated cast-in-place detectable warning surface tile matching the width of the sidewalk.

Where the sidewalk exceeds 5 feet in width and singular prefabricated sections are not available, utilize a combination of prefabricated sections as follows:

● 6 feet: Two 3-foot sections

● 7 feet: One 3-foot and one 4-foot section

● 8 feet: Two 4-foot sections

● 10 feet: Two 5-foot sections

Do not cut tiles unless the ramp has a skewed configuration.

2. Radial Sections. Where a sidewalk ramp is located within a radial section and the plans indicate the detectable warning surface is to be installed adjacent to the back of curb, furnish and install a radial detectable warning surface as shown on the plans.

3. Color. Furnish detectable warning surfaces within the Cities of Ferndale and Detroit meeting the requirements of Federal Color No. 20109. Furnish detectable warning surfaces within the City of Pleasant Ridge meeting the requirements of Federal Color No. 27038.

**c. Construction.**

1. Install detectable warning surfaces in accordance with subsection 803.03 of the Standard Specifications for Construction, the manufacturer’s instructions, and Standard Plan R-28 Series, except that the curb offset for radial detectable warning surfaces must not be greater than 2 inches, measured from the ends of the radius.

2. Install detectable warning surfaces with the joint between panels being flush with the top.

3. Acceptance of the detectable warning surfaces will be by visual inspection.

**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, Modified Foot

**Detectable Warning Surface, Modified** will be measured in place by length along the center of the 24 inch wide detectable warning material at specified locations. If the Contractor must remove the existing concrete sidewalk or sidewalk ramp in conjunction with retrofitting a detectable warning device, the unit price for Detectable Warning Surface, Modified will include the cost of removing sidewalk, sidewalk ramp, and restoration. Payment includes installing detectable warning surface.

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