

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
SIDEWALK RAMPS WITH CAST IRON DETECTABLE WARNING SURFACES

DES:DBP

1 of 2

APPR:JAB:TES:05-04-17

a. Description. This work consists of constructing and/or reconstructing sidewalk ramps with cast iron detectable warning surfaces at the specified location(s). Complete this work according to the standard specifications and Standard Plan R-28 Series, except as modified herein.

b. Materials. Use detectable warning surfaces that provide tactile and visual warning and contrast visually with adjacent walking surfaces, either light-on-dark or dark-on-light. Provide cast iron detectable warning surfaces that conform to the dimensions shown on Standard Plan R-28 Series. Select one of the following products, or provide an approved equal, for this project.

Neenah Foundry

2121 Brooks Ave

Neenah, WI 54956

Phone: 920-725-7000

Product Name: NF Detectable Warning Plates

East Jordan

301 Spring Street

East Jordan, MI 49727

Phone: 800-874-4100

Product Name: EJ Cast Iron Detectable Warning Plate

TufTile, Inc.

1200 Flex Court

Lake Zurich, IL 60047

Phone: 888-960-8897

Product Name: TufTile Cast Iron Detectable Warning Plate

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

c. Construction. Construct sidewalk ramps according to subsection 803.03 of the Standard Specifications for Construction and Standard Plan R-28 Series, except that the ramps must be the thickness as shown on the plans. Install detectable warning surfaces according to the manufacturer's instructions and Standard Plan R-28 Series.

When replacing gutters in addition to sidewalk ramps, transition the gutter cross section in advance of the sidewalk ramp to meet the dimensions and profile in 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.....Foot

Detectable Warning Surface, Cast Iron 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, Cast Iron** will include the cost of removing sidewalk, sidewalk ramp, and restoration. Payment includes all labor, materials, and equipment to install 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.