

## X4240800 DETECTABLE WARNINGS (SPECIAL) (LCDOT)

Effective: February 11, 2015

Revised: May 14, 2015

**Description:** This work shall consist of furnishing and installing detectable warnings in hot-mix asphalt accessibility ramps.

**Materials:** The detectable warnings shall be cast iron panels of the sizes shown on the plans and shall meet the following material specification:

The detectable warning plate shall be constructed of gray iron meeting the requirements of Article 1006.14 of the "Standard Specifications" and ASTM A48, CLASS 30A, 30B or 35B; or cast ductile iron meeting the requirements of Article 1006.15 of the "Standard Specifications".

The coating system shall consist of a rust inhibiting epoxy primer and a finish coat.

The epoxy primer shall have the following properties:

Property	Test Method	Performance
Humidity	ASTM D1735	1000 Hours Minimum
Water Immersion	ASTM D870	250 Hours Minimum
Corrosion Resistance (Salt Spray)	ASTM B117	1000 Hours Minimum

Cold Rolled Steel Lab Panels

The finish coat shall be a powder coat and shall have the following properties:

Property	Test Method	Performance
Color	---	Federal Yellow
Corrosion Resistance (Salt Spray)	ASTM B117	1000 Hours Minimum

Cold Rolled Steel Lab Panels

**General:** The installation of detectable warnings shall meet the requirements of Article 424.09 of the "Standard Specifications".

Prior to ordering/installing the detectable warnings the Contractor shall provide Engineer with documentation from the Manufacturer that the detectable warnings can be installed in HMA pavement.

**Method of Measurement:** This work will be measured for payment in place installed, in square feet. *The hot-mix asphalt area under the detectable warnings will be measured for payment as HOT-MIX ASPHALT SURFACE COURSE of the mix, design and thickness specified, with no deductions made for the detectable warnings panels located within the ramp.*

**Basis of Payment:** This work will be paid for at the contract unit price per square foot of DETECTABLE WARNINGS. *The unit price shall include all equipment, materials and labor required to install the panels.*