

PROPOSED DRAFT
DECEMBER 2014

608.01 DESCRIPTION

This work is the construction of concrete sidewalks and the installation of Detectable Warning Devices (DWDs) at locations shown in the contract.

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608.02 MATERIALS

Use cast iron DWDs having a natural grey finish. Use DWDs – Type 1 for new sidewalk construction. DWDs – Type 1 are cast directly into sidewalk. Use DWDs – Type 2 for retrofits on existing sidewalks. Ensure gray iron castings are manufactured from iron conforming to ASTM A48 Class 30B, as noted in AASHTO M 306. Ensure ductile iron castings are manufactured from iron conforming to ASTM A536 Grade 80-55-06

Deleted: where new concrete is not being placed. DWDs – Type 2 are surface applied on the sidewalk

Furnish DWDs listed on the QPL.

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608.03.3 Detectable Warning Devices

A. General. Install DWDs so they extend the full width of the ramp, and the edge of the dome panel is located no more than 6 inches (150 mm) from the back of curb. Ensure that DWD edges are flush with adjacent sidewalk without gap or lip, with domes protruding above adjacent surfaces. If DWDs require cutting, locate non-factory edges on the exterior side of DWD installation.

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B. Type 2. Saw cut from existing sidewalk the minimum area required to allow installation. Remove the old sidewalk full depth within the cut area. Place new concrete meeting Section 608 requirements, and install DWD in accordance with manufacturer recommendation.

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608.04 METHOD OF MEASUREMENT

Concrete sidewalk is measured by the square yard (m²), including wheelchair ramps and concrete under detectable warning devices.

DWDs are measured by the square yard (m²) installed and accepted. For Type 2 DWDs, removal of existing devices, concrete sawing and removal and all new concrete is not measured separately for payment.

COMMENTS

1. For 608.04 method of measurement, second sentence in paragraph 2, couldn't it say: **For Type 2 DWDs, removal of existing devices, concrete sawing and removal and all new concrete are incidental to the item and are not measured separately for payment.**

Response: "incidental to the work and is not measured for payment" is found throughout the spec book. Comment noted.

2. The cast iron DWD's are natural grey in color. That does not meet the contrast requirement. Yellow or Red or typical colors that do provide contrast. They may need to paint them.

Response: Natural grey is how the industry refers to uncoated cast iron. The material oxidizes over time and provides contrast.

3. Most DWD's in Bozeman are brick red. The new Spec calling out that they be Gray will look out of place in Bozeman.

Response: The natural grey cast iron oxidizes over time and also turns a red color. If a particular city requests something other than our standard, consideration will be given on a project basis.

FINAL

EFFECTIVE APRIL 16, 2015

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