

608.2 Detectable Warning Devices Type 2

Qualification Requests

On the laboratory test report that is sent in with the request, the test data must show that the material is in compliance with requirements for Detectable Warning Devices (DWD) Type 2.

Qualification Procedures

The requirements for test reports that are received for QPL prequalification are as follows.

- ◆ The producer will submit a set of detailed drawings and test reports for the DWD's.
- ◆ MDT will ensure that the product meets the testing requirements on the web page and the dimensions on the Detailed Drawings. The material will be rejected if MDT's requirements are not meet.

Material Requirements

Detectable Warning Devices must meet the requirements listed in the Detailed Drawings, the Standard Specifications for Road and Bridge Construction subsection 608.02, the Supplemental specifications to Montana Standard Specifications subsection 608.02, or contract Special Provisions, and the requirements listed on the following pages. All Steel and iron products must meet the requirements listed in the Standard Specifications for Road and Bridge Construction subsection "106.09 Domestic Materials". All testing and reporting is to conform to the above requirements whether it is for the quality control test reports, random or auditing test, or for disqualification or requalification.

Requirements for Detectable Warning Devices:

GENERAL

Acceptance of Detectable Warning Devices shall be based on source and fabricator approval prior to being added to the Qualified Products List (QPL). Detectable Warning Devices shall meet the requirements of Americans with Disabilities Act (ADA) Public Rights of Way Guidelines (PROWAG). It will be up to the manufacturer of the product to demonstrate to the Montana Department of Transportation (MDT) that their product meets PROWAG Guidelines and MDT standard specifications and detailed drawings. The Detectable Warning Device shall also meet the following requirements:

1. Installation

- a. The installation must provide a product meeting grade and transition requirements of Detailed Drawing 608-40.

2. Proven testing and durability

- a. Provide documentation showing that the product has been tested and used successfully in other cold climates and snow regions of the United States.
- b. Provide information and documentation that the DWD has been plow tested with a sidewalk plow. The test plow must be a trip plow, weigh a minimum of 35 lbs/linear foot, and have a rigid metal bottom edge. Detectable Warning Devices that do not retain 90% of the domes after fifty (50) controlled test plowings will not be accepted.

3. Slip Resistance

- a. Provide test results showing Slip Resistance has been tested by ASTM C 1028, and the combined Wet and Dry Static Co-Efficient of Friction is not less than 0.80 on top of domes and field area for both the coated and non-coated specimen.

4. Buy America

- a. All steel and iron products must comply with section 106.09 of the Standard Specifications for Road and Bridge Construction.