

EXPERIMENTAL PROJECTS WORK PLAN

EVALUATION OF THE METADOME DETECTABLE WARNING DEVICE (DWD)/TRUNCATED DOMES FOR USE IN EXISTING AND NEW ASPHALT PAVEMENT INSTALLATIONS

Location: Three Forks; Gallatin County/ Missoula – Clements Rd. & Third St.; Missoula County

Project Name: Three Forks – Urban/Missoula – Clements Rd. & Third St.

Project Number: UPN 6944000-UPP 8199(100)/STPP-STPE 13-5(8)96

Experimental Project No.: MT 12-08

Type of Project: DWD Truncated Dome Evaluation

Principal Investigators: Craig Abernathy, Experimental Program Manager (ExPM)

Objective

Determine the constructability and durability of the MetaDome-MDAsphalt truncated dome for installation on asphalt cement (AC) pavement in an existing retrofit or new AC application.

Description

The project has two locations for installation of the MDAsphalt DWD; in Missoula where sixteen (16) sites have been designated to receive a retrofit on an established bike path, and in Three Forks where eleven (11) locations are selected to be included in a new bike path construction.

Evaluation Procedures

Research will document the installation of the DWD's for best practice and any installation concerns germane to the performance of the product and long-term performance documentation. Issues of efficiency of placement, durability of the device, ADA adherence to installation, dome loss, and DWD to pavement long-term attachment will be quantified. A web page will be dedicated to display all reporting from the project.

Construction Documentation: This will include information specific to the installation events of the DWD placement.

Annual Reporting: This will entail a late fall/early spring site visit inspection for inclusion in an annual report.

Evaluation Schedule

Research will monitor performance for a period of sixty (60) months or longer. This is in accordance with the Department's "Experimental Project Procedures". Delivery of a construction/installation report, annual and final project reports will be the responsibility of Research.

Construction is expected to begin in September 2012. An installation report will be available by December 2012. A final report will be published in 2017.