

Technology Deployment Initiatives and Partnership Program

Request for Funding FY 2003

FHWA Strategic Goal Area:

Productivity

Project Title:

ROSAN Optic Trigger

Problem Statement:

The current version of the Road Surface Analyzer (ROSAN) relies on operator activation using a block on the roadway to start and stop the measurements. An upgrade is needed to use an optic sensor to automatically start and stop the measurements. The current method creates an impediment to traffic and requires traffic control devices to protect the operator during installation and removal and to warn motorists.

Proposal:

An optic sensor will be selected to install into the system to start and stop the measurements at highway speeds.

Benefits:

The sensor will have markers adjacent to the road to avoid being in the roadway during set up and take down, will not impede traffic, and will be more accurate in marking the start and stop locations, which are critical to proper documentation.

Resources/Cost:

Using off the shelf hardware, the cost for equipment and software modification is \$6,000.

Duration:

To be completed in FY 2003, actual time one week.

Organization/Method:

The current team and contractor will complete the upgrade.

Submitter:

Agency/Division: Western Federal Lands Division
Name: Cal Frobig
Phone: 360-619-7648
Date: 20 December 2002

Champion:

Name: Bruce Wasill
Phone: 360-619-7703