

Technology Deployment Initiatives and Partnership Program
Request for Funding
FY 2002

FHWA Strategic Goal Area: Program Delivery

Project Title: Upgrade GPS handheld for mapping

Problem Statement: The WFLHD has a GPS handheld unit capable of connecting to a digital camera for identifying site features during project development. This equipment is used by the designer, and environmentalists to document site conditions and location of cultural features. The location data is recorded and downloaded for post processing and mapping in the office following each site visit. There is mapping software and Differential Correction devices that can improve the accuracy and documentation on site, reducing the post processing and office reduction of data.

Proposal: Purchase of an evaluation copy of the Trimble Mediamapper Software and a Geoline Positioning System Differential Correction Receiver would demonstrate the benefits.

Benefits: Increased accuracy of Differential GPS coordinated with a digital map and ability to coordinate photographs and notes with the digital maps to create a relational database.

Resources/Cost: Purchase price is \$2720 for receiver and software. One Design Engineer will be assigned equipment and software to evaluate with the GPS unit and camera.

Duration: One Year beginning 2002

Organization/Method: In house evaluation, to be reported by champion.

Submitter:

Agency/Division: Western Federal Lands Division

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