Transportation Pooled Fund Program

Project Title: Software Tools for Sharing and Integrating GIS Data		
Project Manager and Phone Number: Tami Griffin (360) 596-8926	**Project No:** TPF-5(108)	Project is: _____ PLANNING __X__ R&D
Reporting Period: January, 2009 – March, 2009	**Multi Year Project** Yes	

Description of Work Performed and Progress:

The Transportation Pooled Fund Study called the Software Tools for Sharing and Integrating GIS Data (also called The One Road Pilot) is continuing. Due to funding constraints we will be unable to complete many of the research items we have started by the end of June 2009. We have about 2/3 of the funding we needed to complete this research project as initially envisioned. Additional funding is necessary to complete the project and in anticipation of this additional funding this pooled fund end date will be extended

The Public/Private partnership with the Web Portal software vendor has resulted in a Data User and a Data Provider Web Portal with functions meeting many high-priority user requirements. Local data can be submitted by providers through the Data Provider Web Portal. This data is loaded into a centralized database by Spatial ETL software. The Data User Portal provides the ability for a user to view this data and select specified data for download in a GIS format selected by a user.

A: Other processes being researched and mostly completed include: 1.) Change Detection and Change Management processes in order to maintain a current transportation network and also maintain history, 2.) Processes that maintain connectivity at jurisdictional boundaries. Automation of the above processes is being finalized.

B: Software processes started but not complete included: 1.) Multiple LRS attribution, 2.) Conflation of coincident data and attribution at jurisdictional boundaries and within a jurisdiction, 3.) re-segmentation and the associated attribution interpolation and assignment.

Packaging of the results to date is currently being performed.

Current Members of this TPF Study are: California, Idaho, Nebraska, Ohio, Oregon, Tennessee and Washington. North and South Carolina, Illinois and Texas have shown an interest and have attended TPF demonstrations. **WA-Trans is willing to give demonstrations to other interested states.**

STATUS AND COMPLETION DATE

Percentage of work completed to date for total project
Project is: 75 %

__X__ on schedule _____ behind schedule, explain:

The Data User and Data Provider Portal software is being packaged for the TPF partners. The automated Change Detection and Change Management processes are being completed and tested. This testing will help research the ability to tie together many separate QA/QC and change management processes. Automated integration and conflation is continuing. **We are looking for further funding to complete items listed in B above and research further automation of software processes listed in A . Several states have expressed interest.** A revised completion date of 2011 is proposed with the expectation that new partners will contribute funding to continue this software research.

Expected Completion Date: 06-2011 Phase IV Completion Date

Project Manager