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: October, 2008 – December, 2008	**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. The Public/Private partnership with the Web Portal software vendor has resulted in a Data User Web Portal with functions meeting many high-priority user requirements. Data from the centralized database, loaded by Spatial Extract, Transform, and Load (ETL) software, can be viewed, selected and downloaded through the Data User Portal. Spatial datasets, with a GIS format selected by a user, can be downloaded to a user's system. Testing of the portals by small user groups is continuing. The research and development of Change Detection processes are over 95 percent completed. Processes to support implementing those changes into the final database are progressing. Disparate spatial datasets can be translated into the centralized database and the change detection processes will be used to determine what has changed since the last time that data provider submitted data. The automation of processes for agreements, that maintain connectivity at jurisdictional boundaries, is continuing. Connectivity and QA/QC processes within datasets and across the statewide datasets are being researched. We have made research progress with processes to store and maintain multiple LRS data. Research on how to maintain different datasets with different geometries from the same provider are being researched.

We have an interagency agreement with Central Washington University (CWU). With the help of CWU these jurisdictions have established connected data. We have successfully connected data between states (Oregon and Washington) and are continuing to do so as we progress through various jurisdictions. Data for 9 counties has been placed in the WA-Trans centralized database. Conflation processes (conflation applies different data in a spatially correct way to our roads data) to make translated data usable for a broad user group is continuing at CWU using processes previously research by them. CWU is applying automated conflation processes they researched and developed. Many of these completed processes are leading to the creation of additional automated processing.

Current Members of this TPF Study are: California, Idaho, Nebraska, Ohio, Oregon, Tennessee and Washington. North and South Carolina 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 Provider Portal software is being tested by data users. This process invokes many of the automated change detection Change Detection and Change Management processes. This testing will help research the ability to tie together many separate QA/QC and change management processes. Automated integration and conflation is continuing.

Expected Completion Date: 06-2009 Phase IV Completion Date

Project Manager