

Transportation Pooled Fund Program

Project Title: Software Tools for Sharing and Integrating GIS Data		
Project Manager and Phone Number: Tami Griffin (360) 709-5513	Project No: TPF-5(108)	Project is: <input type="checkbox"/> PLANNING <input checked="" type="checkbox"/> R&D
Reporting Period: July, 2008 – September, 2008	Multi Year Project Yes	
Description of Work Performed and Progress:		
<p>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 users system. Testing of the portal by small user groups has begun with broad user group tests to begin in November. The research and development of Change Detection processes are 95 percent completed. 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. Processes to support implementing those changes into the final database are also nearly complete. We are now working on automating processes for agreements that maintain connectivity at jurisdictional boundaries. We are also working on maintaining multiple LRS data.</p> <p>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 7 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 now testing different way to automate conflation processes.</p> <p>With the Change Detection and Change Management processes nearing completion we are testing maintenance of data in WA-Trans. This involves updating existing data, while maintaining history. The maintenance processes also involve Linear Reference System (LRS) updates. Both areas of research, data history and LRS maintenance are helped with this testing.</p> <p>Current Members of this TPF Study are: California, Idaho, Nebraska, Ohio, Oregon, Tennessee and Washington. North and South Carolina have shown an interest and have attended TPF meetings. Other states are encouraged to join.</p>		
STATUS AND COMPLETION DATE		
Percentage of work completed to date for total project Project is: <u>70 %</u>		
<input checked="" type="checkbox"/> on schedule <input type="checkbox"/> behind schedule, explain:		
The Data User Portal software is being tested by data users. The Data Provider Portal is being installed and testing will begin soon. Change Detection and Change Management processes are 95% completed and testing has begun. Research on integration and conflation processes and automation of these processes is continuing.		
Expected Completion Date: <u>06-2009 Phase IV Completion Date</u>		

Project Manager