

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: <input type="checkbox"/> PLANNING <input checked="" type="checkbox"/> R&D
Reporting Period: July 2009 – September 2009	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. Due to funding constraints we will be unable to complete many of the research items we have started by the end of June 2010. 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</p> <p>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.</p> <p>Software processes 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. 3.) Multiple LRS attribution. 4.) Re-segmentation and the associated attribution interpolation and assignment, Automation and synchronization of the above processes is being finalized.</p> <p>Software processes being researched completion include: 1.) Conflation of coincident data and attribution at jurisdictional boundaries and within a jurisdiction. 2.) Automated Topology and connectivity review and data corrections based on review. 3.) Documentation of all processes. 4.) Linking processing to enable automation from data submittal to final manual processing and review prior to loading for the Data User Portal.</p> <p>We are currently working with the University of Nebraska to assist in implementing the software and processes we have researched into the Nebraska GIS environment.</p> <p>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.</p>		
STATUS AND COMPLETION DATE		
Percentage of work completed to date for total project Project is: <u>80 %</u> <input checked="" type="checkbox"/> on schedule <input type="checkbox"/> behind schedule, explain:		
Automated integration and conflation is continuing. 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: <u>06-2011 Phase IV Completion Date</u>		

Project Manager