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 2010 – March 2010	**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 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 has been extended till June 2011.

Software processes completed this period include: 1.) Automated processes to re-segment provider data, according to pre-determined segmentation standards and correctly reapply existing attribution to new geometry. 2.) Automated processes to create intersection nodes and implement a single point at intersections regardless of the number of connecting segments. 3.) Software processes to snap segments for network connectivity based on a predetermined tolerance.

Software processes being researched 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.

We are currently working with the California Department of Transportation (Caltrans) to assist in implementing the databases, software and processes we have researched into the Caltrans environment. This process will test the portability of the software this project has created.

We are continuing work with Spokane County GIS while they integrate and conflate transportation data in surrounding counties using TPF created software, methodologies and processes.

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: _83 %_

___X___ on schedule _____ 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: ___06-2011 Phase IV Completion Date___

Project Manager