

Transportation Pooled Fund Program

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| 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: January, 2008 – March, 2008 | Multi Year Project Yes | |
| Description of Work Performed and Progress: | | |
| <p>The Transportation Pooled Fund pilot called the One-Road Pilot Phase I is continuing. The One-Road Pilot Phase II has started with research of change detection processes (a part of maintaining the shared dataset). Spatial ETL software has been successfully tested. Disparate spatial datasets can be translated into the WA-Trans database. Spatial datasets, with format selected by a user, can be downloaded to a users system. This process has been tested by providers and users and has been approved. Web Portal computer-off-the-shelf (COTS) software is installed to work within the WSDOT infrastructure, connected to the standardized spatial database. The data loaded by the ETL software can be viewed with basic out of the box configuration. Through our Public/Private partnership with the software vendor we are currently enabling advanced configuration in order to meet the One-Road user requirements.</p> <p>Five counties and two state jurisdictions have agreed to assist with this pilot. We have an interagency agreement with Central Washington University (CWU). With the help of CWU these jurisdictions are working between themselves to establish connected data. We have successfully connected data between states (Oregon and Washington) and are continuing to do so as we progress through various jurisdictions. Conflation processes to make translated data usable for a broad user group is being researched by CWU. The database and data translation tools are facilitating this process in a positive manner supporting previous research and decisions. Oregon and Washington are building processes to share data between states. The Web Portals will be tested as the mechanism for the sharing of this data. The National Map (TNM) and US Geological Survey (USGS) will receive updated data once the portals are tested. This will be a test to determine data sharing with a federal jurisdiction. We are working with Census and local E-911 organizations to make sure the resulting data used, when testing the Data Provider software processes, are useful to them.</p> <p>Current Members of this TPF Study are: California, Idaho, Nebraska, Ohio, Oregon, Tennessee and Washington. Other states are encouraged to join.</p> | | |
| STATUS AND COMPLETION DATE | | |
| Percentage of work completed to date for total project Project is: <u>55 %</u> <input checked="" type="checkbox"/> on schedule <input type="checkbox"/> behind schedule, explain: | | |
| The basic portal software was installed and tested in January 2008. Advanced portal configuration will be configured and tested by May 2008. Change detection processes research has begun. We have started requirements to further enhance the portals, translation integration and requirements for software to automate some of the integration processes. | | |
| Expected Completion Date: <u>06-2009 Phase IV Completion Date</u> | | |

Project Manager