

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Iowa Department of Transportation

INSTRUCTIONS:

Project Managers and/or research project investigators should complete a quarterly progress report for each calendar quarter during which the projects are active. Please provide a project schedule status of the research activities tied to each task that is defined in the proposal; a percentage completion of each task; a concise discussion of the current status, including accomplishments and problems encountered, if any. List all tasks, even if no work was done during this period.

Transportation Pooled Fund Program Project # TPF-5(290)		Transportation Pooled Fund Program - Report Period: x Quarter 1 (January 1 – March 31, 2015) Quarter 2 (April 1, 2013 – June 30, 2015) Quarter 3 (July 1 – September 30, 2015) Quarter 4 (October 4 – December 31, 2015)	
Project Title: Aurora Program			
Project Manager: Tina Greenfield		Phone: 515-233-7746	E-mail: tina.greenfield@dot.iowa.gov
Project Investigator: Neal Hawkins		Phone: 515-294-7733	E-mail: hawkins@iastate.edu
Lead Agency Project ID: RT 0034	Other Project ID (i.e., contract #): Addendum 156	Project Start Date: January 1, 2013	
Original Project End Date: May 31, 2019	Current Project End Date: – May 31, 2019	Number of Extensions:	

Project schedule status:

X On schedule On revised schedule Ahead of schedule Behind schedule

Overall Project Statistics:

Total Project Budget	Total Cost to Date for Project	Total Percentage of Work Completed
\$675,000	\$0	

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
\$0	N/A	

Project Description:

The Aurora Program is a consortium of public agencies focused on collaborative research, evaluation, and deployment of technologies for detailed road weather monitoring and forecasting. Members seek to implement advanced road weather information systems (RWIS) that fully integrate state-of-the-art roadway and weather forecasting technologies with coordinated, multi-agency weather monitoring infrastructures; ultimately lessening adverse impacts of inclement weather.

Last year (2014) was a transition year from a previous program funding number SPR-3(042) to a new program number TPF-5(290). Specific to FY 14/15, each program number supports the following:

- Program number SPR-3(042) - Includes all FY 14 and FY 15 administrative costs. Includes all on-going projects through FY 2013. Once these projects are closed out this program number will end.
- Program number TPF-5(290) includes all FY 14 and FY 15 projects. This program number will carry forward into future fiscal year activities.

Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.). These efforts are identified below.

Program Administrative Activities:

- Planned for and facilitated the 2015 spring meeting (Reno, Nevada)
- Planning for 2015 National Peer Exchange (Bloomington, Minnesota)
- Working on program work plan and project voting for FY 2015
- Completed member agency updates in advance of March meeting
- Addressed all board correspondence, administrative items resulting from meetings.
- Provided program management in terms of projects and program budget.
- Maintained and updated the RWIS Knowledge Base website and the program website.

Facilitate Meetings and Conference Calls:

- Facilitated January board call and minutes
- Facilitated March board meeting on-site in Nevada (6 mini-meetings, meeting program and agenda, and meeting minutes)
- Worked with Nevada DOT to arrange for a technical tour and participation in the meeting (non member).
- Working with Clear Roads and SICOP to plan for the 2015 Peer exchange.
- Providing ongoing project updates in terms of progress and correspondence.

Processing Travel Requests, Travel Reimbursements, and Meeting Expenses:

- Coordinated all travel plans for the Nevada meeting.
- Finalizing contract with the hotel in Bloomington for Peer Exchange.

Project-Specific Activities:

- Revising the project update form for clarity and comprehension.
- Updated all project status reports and summarizing them for the board.
- Communicating with project teams concerning project schedules, deadlines, and progress.

Outreach and Membership:

- Worked with members to update the TPF website and payment records.
- Considering potential membership and will discuss this with the board at the next call.

Anticipated work next quarter:

Program Administrative Activities:

- Develop meeting and call agendas for board calls and upcoming Peer Exchange meeting.
- Finalize project voting and complete work plan.
- Facilitate administrative and project calls as needed.
- Update the main program website and maintain the new RWIS Knowledge Base website.

TPF Program Standard Quarterly Reporting Format

- Distribute specific Aurora project documents to the board and individual project team members.

Facilitate Meetings and Conference Calls:

- Work with planning committee to finalize Peer Exchange meeting details.
- Facilitate and document web meetings.
- Facilitate project correspondence and status reports.
- Produce materials and presentations for the on-site meeting and calls.

Processing Travel Requests, Travel Reimbursements, and Meeting Expenses:

- Coordinate reimbursements for the March 2015 spring meeting.

Project-Specific Activities:

- Facilitate discussions with each research project team.
- Track project status with champions and team members.
- Track project timelines and distribute project materials.
- Update project status reports.

Outreach and Membership:

- Review membership status and contact SP&R representatives from member agencies when necessary.
- Draft fall e-news content.

Significant Results:

Project status overview provided below:

3/9/2015

Project No.	Account	Title	Champion	Progress
2010-03	SPR-3(042)	Development of Output and Outcome Models for End-results Based Winter Road Maintenance Standards	Max Perchanok	95%
2010-03	SPR-3(042)	Phase 2 Evaluation of Sensor Technologies for Winter Road Condition Monitoring and Performance Measurement	Max Perchanok	50%
2010-04	SPR-3(042)	RWIS Sensor Network Density and Location	Max Perchanok	85%
2011-02	SPR-3(042)	RWIS Training Tool	Tina Greenfield	35%
2012-01	SPR-3(042)	Validate the Accuracy of Pavement Condition Predictions from Various Sources, Phase 1	Max Perchanok	5%
2012-04	SPR-3(042)	Communicating and Publicizing Road Weather and Operations Information	Neal Hawkins	0%
2012-05	SPR-3(042)	Seasonal Weight Restrictions, Phase 1	Max Perchanok	20%
2013-02	SPR-3(042)	Transition of Clarus to MADIS	Jack Stickel	95%
2013-03	SPR-3(042)	Improving Traffic Speed Estimations for Winter Maintenance Performance	Tina Greenfield	10%
2013-04	SPR-3(042)	Quantifying Salt Concentration on Pavement, Phase 1	Max Perchanok	5%
2013-05	SPR-3(042)	Knowledge Base Content Management	Neal Hawkins	0%
2013-06	SPR-3(042)	Make the Aurora Winter Severity Index Available to Other Agencies	Tina Greenfield	60%
2014-01	TPF-5(290)	Seasonal Weight Restrictions Demonstration, Phase 2	Max Perchanok	0%
2014-02	TPF-5(290)	Quantifying Salt Concentration on Pavement, Phase 2	Max Perchanok	0%
2014-03	TPF-5(290)	Validate the Accuracy of Pavement Condition Predictions from Various Sources, Phase 2	Max Perchanok	0%
2015-01	TPF-5(290)	Snow Liquid Water Equivalent for Forward Scatter PWD Sensors	Jack Stickel	0%
2015-02	TPF-5(290)	2015 National Peer Exchange	Travis Lutman	0%
2015-03	TPF-5(290)	Improving Traffic Speed Estimations for Winter Maintenance Performance, Phase 2	Tina Greenfield	0%

Circumstance affecting project or budget: