

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: Quarter 1 (January 1 – March 31, 2015) Quarter 2 (April 1 – June 30, 2015) X 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
\$700,000	\$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:

- Meeting minutes and follow-up from the 2015 spring meeting (Reno, Nevada)
- Plan and execution of 2015 National Peer Exchange (Bloomington, Minnesota)
- Completed the member agency updates in advance of September meeting
- Assembled each states state of practice in advance of September meeting
- Addressed all board correspondence, administrative items resulting from meetings
- Provided program management in terms of projects and program budgets
- Maintained and updated the RWIS Knowledge Base website and the program website
- Developed Board meeting agenda and discussion information for board meeting at the Peer Exchange

Facilitate Meetings and Conference Calls:

- Working with Clear Roads, SICOP, and Vendors on program for 2015 Peer exchange.
- Providing ongoing project updates in terms of progress and correspondence.

Processing Travel Requests, Travel Reimbursements, and Meeting Expenses:

- Coordinate reimbursements and final costs for all travel to the Nevada meeting.
- Finalized budget and making all detailed arrangements for the 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:

- Meeting minutes from the Aurora board meeting held at the Peer Exchange
- Facilitate administrative and project calls as needed.
- Developed a registration website and managed vendor, participant, and invited guests registrations
- Developed a contract with Iowa DOT to finance the Peer Exchange
- Proposed a revised system to review project invoices and track projects

Facilitate Meetings and Conference Calls:

- Work with plan and execute the Peer Exchange.
- 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 travel for Aurora and Invited Guests to Peer Exchange.

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 follows on next page.

Circumstance affecting project or budget:

Funding	Fiscal Year	Project No.	Name	Funding	Champion	2/18/2015	3/9/2015	6/30/2015	9/21/2015
SPR-3(042)	FY 2007	2007-05	Multiple-Use ITS Data Collection Practices	(\$15,000)	Jack Stickel				
SPR-3(042)	FY2009	2009-01	Summary and Comparison of Agency Experience w/ Sensors	(\$5,000)	Dawn Gustafson				
SPR-3(042)	FY 2010	2010-02	Mobile Weather Data Collection Guidelines	(\$5,000)	Curt Pape				
SPR-3(042)	FY 2010	2010-03	Results-Based Winter Road Maintenance Standards	(\$155,000)	Max Perchanok	98%	98%	98%	98%
SPR-3(042)	FY 2010	2010-03	Results-Based Winter Road Maintenance Standards, Phase 2	(\$105,000)	Max Perchanok	10%	50%	75%	75%
SPR-3(042)	FY 2010	2010-04	RWIS Sensor Density and Location	(\$100,000)	Max Perchanok	85%	85%	95%	95%
SPR-3(042)	FY 2011	2011-02	RWIS Training Tool	(\$265,000)	Tina Greenfield	35%	35%	90%	98%
SPR-3(042)	FY 2011	2011-04	Study of MDSS Costs	(\$5,000)	Mike Adams				
SPR-3(042)	FY 2011	2011-05	Funding Sources Identification	(\$5,000)	Jack Stickel				
TPF-5(290)	FY 2012	2012-01	Validate Accuracy of Pavement... Predictions, Phase 1	(\$30,000)	Mike Adams	0%	0%	0%	0%
SPR-3(042)	FY 2012	2012-03	Cameras and Operational Impact of Remote ... Monitoring	(\$25,000)	Travis Lutman				
TPF-5(290)	FY 2012	2012-04	Communicating and Publicizing Information	(\$30,000)	Tina Greenfield	0%	0%	0%	0%
SPR-3(042)	FY 2012	2012-05	Seasonal Weight Restrictions Demonstration	(\$30,000)	Max Perchanok	20%	20%	100%	
SPR-3(042)	FY 2013	2013-01	2013 National Winter Maintenance Peer Exchange	(\$35,000)	Neal Hawkins				
SPR-3(042)	FY 2013	2013-02	Transition of Clarus to MADIS	(\$5,000)	Jack Stickel	95%	95%	95%	95%
SPR-3(042)	FY 2013	2013-03	Improving Estimation ... for Performance Measurement	(\$130,000)	Tina Greenfield	10%	10%	90%	99%
SPR-3(042)	FY 2013	2013-04	Quantifying Salt Concentration on Pavement	(\$150,000)	Max Perchanok	5%	5%	100%	
TPF-5(290)	FY 2013	2013-05	Knowledge Base Content Management and Marketing	(\$10,000)	Neal Hawkins	0%	0%	0%	0%
SPR-3(042)	FY 2013	2013-06	Make the Aurora Winter Severity Index Available to All	(\$30,000)	Tina Greenfield	60%	60%	99%	99%
TPF-5(290)	FY 2014	2014-01	Seasonal Weight Restrictions Demonstration, Phase 2	(\$200,000)	Max Perchanok	0%	0%	0%	0%
TPF-5(290)	FY 2014	2014-02	Quantifying Salt Concentration on Pavement, Phase 2	(\$115,000)	Max Perchanok	0%	0%	0%	0%
TPF-5(290)	FY 2014	2014-03	Validate Accuracy of Pavement... Predictions, Phase 2	(\$105,000)	Mike Adams	0%	0%	0%	0%
TPF-5(290)	FY 2015	2015-01	Snow Liquid Water Equivalent for... PWD Sensors	(\$60,000)	Jack Stickel	0%	0%	45%	45%
TPF-5(290)	FY 2015	2015-02	2015 National Winter Maintenance Peer Exchange	(\$45,000)	Neal Hawkins			10%	10%
TPF-5(290)	FY 2015	2015-03	Improving Traffic Speed Estimation Phase 2	(\$12,000)	Tina Greenfield			10%	10%
TPF-5(290)	FY 2015	2015-04	Review Synthesis of Alternatie Power Supplies	(\$30,000)	Jack Stickel			0%	0%
TPF-5(290)	FY 2015	2015-05	Best Practices in Data Storage	(\$25,000)	Jack Stickel			0%	0%
TPF-5(290)	FY 2015	2015-06	Non-Traditional RWIS	(\$20,000)	Tina Greenfield			0%	0%