

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, 2016) Quarter 2 (April 1 – June 30, 201) Quarter 3 (July 1 – September 30, 201) Quarter 4 (October 4 – December 31, 201)	
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:

☒ 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
\$1,000,000	\$49,092.13	

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
\$49,092.13	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) - Included all FY 14 and FY 15 administrative costs along with 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:

- Identified and made final arrangements for the 2016 spring meeting in Phoenix, Arizona.
- Addressed all board correspondence, administrative items resulting from meetings
- Provided program management in terms of projects and program budgets
- Developed Board meeting agenda and discussion information for spring on-site meeting
- Discussing process for reviewing invoices at InTrans (Tim Morris) similar to what is done for the Smart Work Zone Pooled Fund

Facilitate Meetings and Conference Calls:

- Developing a draft agenda for the Spring 2016 Board Meeting
- Coordinating travel details, hotel, food, and Arizona DOT meeting arrangements

Processing Travel Requests, Travel Reimbursements, and Meeting Expenses:

- Booking travel for the spring 2016 meeting
- Finalizing hotel contract for spring meeting

Project-Specific Activities:

- Revising the project update form for clarity and comprehension.
- Updated all project status reports and summarizing them for the board.
- Establishing support to foster communication 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 memberships and will discuss this with the board at the next call.
- Began work on the next E-News article

Anticipated work next quarter:

Program Administrative Activities:

- Spring 2016 Board Meeting
- Enable a revised system to review project invoices and track projects

Facilitate Meetings and Conference Calls:

- Finalize plans for the 2016 Spring Meeting
- Facilitate project correspondence and status reports
- Produce materials and presentations for the on-site meeting and calls

TPF Program Standard Quarterly Reporting Format

Processing Travel Requests, Travel Reimbursements, and Meeting Expenses:

- Coordinate travel for Aurora to the 2016 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
- Finalize list and get voting completed for new projects under consideration

Outreach and Membership:

- Finalize and publish E-news

Significant Results:

Project status overview follows on next page.

Circumstance affecting project or budget:

Funding	Fiscal Year	Project No.	Status	Name	Funding	Expensed	Percent Paid	Agency	Champion	9/21/2015
SPR-3(042)	FY 2010	2010-03a	Active	Results-Based Winter Road Maintenance Standards	\$154,830	\$154,554	99.8%	UofWaterloo	Max Perchanok	98%
SPR-3(042)	FY 2010	2010-03b	Active	Results-Based Winter Road Maintenance Standards, Phase 2	\$104,832	\$46,056	43.9%	UofWaterloo	Max Perchanok	75%
SPR-3(042)	FY 2010	2010-04	Active	RWIS Sensor Density and Location	\$143,833	\$122,268	85.0%	UofWaterloo	Max Perchanok	95%
SPR-3(042)	FY 2011	2011-02	Active	RWIS Training Tool	\$264,983	\$263,848	99.6%	Iteris	Tina Greenfield	98%
SPR-3(042)	FY 2013	2013-02		Transition of Clarus to MADIS	\$5,000				Jack Stickel	95%
SPR-3(042)	FY 2013	2013-03	Active	Improving Estimation ... for Performance Measurement	\$129,896	\$110,250	84.9%	ISU Stats	Tina Greenfield	99%
SPR-3(042)	FY 2013	2013-06	Active	Make the Aurora Winter Severity Index Available to All	\$23,193	\$23,193	100.0%	AccuWeather	Tina Greenfield	99%
TPF-5(290)	FY 2014	2014-01	Active	Seasonal Weight Restrictions Demonstration, Phase 2	\$213,621	\$1,340	0.6%	USDA Forest	Max Perchanok	0%
TPF-5(290)	FY 2014	2014-02	Active	Quantifying Salt Concentration on Pavement, Phase 2	\$120,000			WTI	Max Perchanok	0%
TPF-5(290)	FY 2014	2014-03	Scoping	Validate Accuracy of Pavement...Predictions, Phase 2	\$35,000				Mike Adams	0%
TPF-5(290)	FY 2015	2015-01	Active	Snow Liquid Water Equivalent for...PWD Sensors	\$55,000	\$40,253	73.2%	NCAR	Jack Stickel	45%
TPF-5(290)	FY 2015	2015-03	Active	Improving Traffic Speed Estimation Phase 2	\$12,439			ISU Stats	Tina Greenfield	10%
TPF-5(290)	FY 2015	2015-04	Scoping	Review Synthesis of Alternatie Power Supplies	\$30,000				Jack Stickel	0%
TPF-5(290)	FY 2015	2015-05	Scoping	Best Practices in Data Storage	\$25,000				Jack Stickel	0%
TPF-5(290)	FY 2015	2015-06	Scoping	Non-Traditional RWIS	\$20,000				Tina Greenfield	0%