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, 2021) Quarter 2 (April 1 – June 30, 2021) x Quarter 3 (July 1 – September 30, 2021) Quarter 4 (October 4 – December 31, 2021)	
Project Title: Aurora Program		
Project Manager: Tina Greenfield	**Phone:** 515-233-7746	**E-mail:** tina.greenfield@dot.iowa.gov
Project Investigator: Zach Hans	**Phone:** 515-294-8103	**E-mail:** zhans@iastaste.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:** – July 31, 2022	**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
$2,250,000	$2,146,807	

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.

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

Program Administrative Activities:
- Provided program management in terms of projects and program budgets.

Facilitate Meetings and Conference Calls:
- N/A

Processing Travel Requests, Travel Reimbursements, and Meeting Expenses:
- N/A

Project-Specific Activities:
- 2018-02 "Invasive and Non-Invasive Sensing: Assessing Agreement between Measurement Systems"
  - Final report and tech transfer documents were finalized and made available on the aurora-program.org website.
  - Facilitated transfer of selected, uninstalled sensors.
- 2021-05 "Optimal RWIS Sensor Density and Location Phase IV"
  - Distributed draft, project-related TRB paper to project team for review and feedback.
- 2011-02 "RWIS Training Tool"
  - Continued work associated with assuming control and management of the tool, including monthly billing.
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Anticipated work next quarter:

Program Administrative Activities:
- None; projected ended July 31, 2022.

Facilitate Meetings and Conference Calls:
- None; projected ended July 31, 2022.

Processing Travel Requests, Travel Reimbursements, and Meeting Expenses:
- N/A

Project-Specific Activities:
- None; projected ended July 31, 2022.

Significant Results:
- 2018-02 "Invasive and Non-Invasive Sensing: Assessing Agreement between Measurement Systems". Final report and tech transfer were approved and posted.
- 2011-02 "RWIS Training Tool". Continued support.

TPF Program Standard Quarterly Reporting Format

Circumstance affecting project or budget: Previously, a no cost extension was necessary to support 2018-02 "Invasive and Non-Invasive Sensing: Assessing Agreement between Measurement Systems" due to sensor installation delays.