

## State Planning and Research Program Quarterly Report

**PROJECT TITLE:** *Develop Test Bed Software to Quality Plug & Play Technology*

**OBJECTIVES:** Develop a software suite that will be used to validate and certify candidate Spreader Controllers and AVL Equipment for compliance with the current Clear Roads Universal In-Cab Performance Specification and Communications Protocol.

**PERIOD COVERED:** April 1, 2018 to June 30, 2018

**PARTICIPATING AGENCIES:** Minnesota Department of Transportation and the Clear Roads Technical Advisory Committee

**PROJECT MANAGER:**

Debra Fick/ Tom Peters

**LEAD AGENCY:** Mn/DOT

**PRINCIPAL INVESTIGATOR:**

Sean Mulligan, Parsons

**SP&R PROJECT NO:**

MnDOT Contract No.  
132007

Federal Project Number:  
TPF-5(218)

**PROJECT IS:**

Planning  
 Research & Development

**ANNUAL BUDGET:** \$108,160.67

**PROJECT EXPENDITURES TO DATE:** \$ 6,030.03

**WORK COMPLETED:**

- Task 1 – Needs Assessment
- Task 2 – Software Suite Development

**SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:**

- Task 3 – Pilot Test
- Task 4 – Guides and Instructions
- Task 5 – Disaster Recovery Plan
- Task 6 – Continued Support

**STATUS AND COMPLETION DATE:**

During the second quarter of 2018, testing of the website and test applications were completed. All Task 2 deliverables, to this point, have been completed and are submitted to Clear Roads with this quarterly report. There were some slight delays in getting some of the technology setup (security certificates, email servers) that caused some slight delays, but were all eventually resolved.

- Included in the most recent submission is the current iteration test procedure to test the website. All tests are currently passing.
- The portal is live at <https://portal.clearroads.org/>. The Pilot Test will use the website for its testing, after which data can be wiped if so desired.
- Need assistance from Clear Roads members in reaching out to potential pilot companies for testing the site and application.
- All submissions have been loaded onto the Sharepoint site.
- Initial copies of the web portal user guide, application testing instructions, and application guide are uploaded to the Task 4 folder of the Sharepoint site.
- Initial draft of the disaster recovery plan has been submitted to the Task 5 folder of the Sharepoint site.

**Current Schedule for Next Quarter**

- 2018-07 – Begin planning for Pilot Test.
- 2018-08 – Launch Pilot Test.
- 2018-09 – Conclude Pilot Test.