

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: October to December 2017

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

PROJECT MANAGER:

Debra Fick/ Tom Peters

SP&R PROJECT NO:

MnDOT Contract No.
132007

PROJECT IS:

Planning
 Research & Development

LEAD AGENCY:

Mn/DOT

Federal Project Number:
TPF-5(218)

PRINCIPAL INVESTIGATOR:

Sean Mulligan, Parsons

ANNUAL BUDGET: \$108,160.67

PROJECT EXPENDITURES TO DATE: \$ 6,030.03

WORK COMPLETED:

- Task 1 – Needs Assessment

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Task 2 – Software Suite Development
- Task 3 – Pilot Test

STATUS AND COMPLETION DATE:

The first quarter of the project has seen the kickoff meeting completed, where there was good discussion on some detailed project issues.

The core software development piece is substantially complete, with the final pieces to be “code complete” before years end. Then there is a process of improving the user experience through layout and design elements of the site, as well as testing the site functionality to ensure there are no defects.