

**State Planning and Research Program
Quarterly Report**

PROJECT TITLE: Comparison of Material Distribution Systems for Winter Maintenance – Phase I – Clear Roads Organization

OBJECTIVES: long range goals are listed below from the requirement.

- 1) Identify as many solid material distribution systems as possible and develop a plan for field testing them.
- 2) Systems with pre-wetting capabilities should be included in the study, although equipment for slurries or directly liquid applications is not included in the scope of this project.
- 3) Phase I will focus on identifying and cataloging these systems, as well as developing a testing plan.
- 4) Phase II would conduct field testing, identify the most effective systems and develop a recommended specification for a material distribution system (not part of this contract).

PERIOD COVERED: 1/1/2014 – 3/31/2014

PARTICIPATING AGENCIES: Clear Roads Organization

PROJECT MANAGER: Tom Peters

LEAD AGENCY: Mn/DOT

PRINCIPAL INVESTIGATOR:
Dr. Gregory E. Thompson

SP&R PROJECT NO:
Mn/DOT Contract#: 01531
Fed Project#: TPF-5(218)

PROJECT IS:

Planning
 Research & Development

ANNUAL BUDGET: \$44,960.00

PROJECT EXPENDITURES TO DATE: \$36,780.00

WORK COMPLETED: Prepared analysis of survey results for review; included draft catalogue into the analysis report. Requested additional photos from Clear Roads Technical Advisory Committee. Began preparation of the draft test plan for review. Extended contract until 6/30/2014.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER: Complete survey analysis and catalogue, submit for review. Complete draft test plan and recommendations for review by TAC.

STATUS AND COMPLETION DATE: Project is on schedule. Next quarterly report due is for the period of 4/1/2014 – 6/30/2014.