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| **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**: 10/1/2013 – 12/31/2013 |
| **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#: 01531Fed Project#: TPF-5(218) | PROJECT IS: Planning X Research & Development    |
| **ANNUAL BUDGET**: $44,960.00 | **PROJECT EXPENDITURES TO DATE**: $25,815.00 |
| **WORK COMPLETED:** Began preparation of an analysis on the information gathered from the survey. After review with clear Roads members, re-opened survey in order to gather additional responses and more photographs in particular. Including this additional response material into the survey analysis. Delivered final version of literature search. |
| **SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER**: Prepare analysis of survey results for review; will include catalogue into the analysis report. Begin preparation of the draft test plan for review.  |
| **STATUS AND COMPLETION DATE**: Project is on schedule. Next quarterly report due is for the period of 1/1/2014 – 3/31/2014. Anticipating no cost extension request for extending contract to 4/30/2014. |