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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**: 7/1/2013 – 9/30/2013 |
| **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**: $23,395.00 |
| **WORK COMPLETED:** Published a literature search document for like and similar studies/results in the USA and internationally for review by Clear Roads members and FHWA personnel. 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. |
| **SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER**: Prepare final version of literature search with review comments incorporated. Prepare analysis of survey results for review. Begin preparation of the draft test plan for review. Begin preparation of system catalogue. |
| **STATUS AND COMPLETION DATE**: Project is on schedule. Next quarterly report due is for the period of 10/1/2013 – 12/31/2013. Task 1 is anticipated to be completed end of November 2013. |