

RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: 1st

Wisconsin Department of Transportation
DT1241 2009

Research, Development and Technology Transfer	
Program: (Choose One) <input type="checkbox"/> Policy Research <input checked="" type="checkbox"/> Pooled Fund TPF # 5(092) Clear Roads <input type="checkbox"/> Wisconsin Highway Research Program <input type="checkbox"/> Other	
Project Title: Development of Standardized Test Procedures for Evaluating Deicing Compounds	
Administrative Contact/Phone #: Colleen Bos/ (608) 577-4805	WisDOT Project ID(s): 0092-08-32
WisDOT Technical Contact/Phone #: Michael Sproul/ (608) 266-8680	Other Project ID: Clear Roads 07-02
Project Investigator/Phone # (agency & contact): Xianming Shi, PhD, PE, Western Transportation Institute (WTI) Montana State University (406) 994-6486	Approved Starting Date: 11/1/2007
WisDOT Comments:	Original End Date: 4/1/2009
	Current End Date: 11/30/2009
Sponsor: Wisconsin Department of Transportation	Number of Extensions: 2

Schedule Status:

- ☐ On schedule ☐ Ahead of schedule
☐ On revised schedule ☒ Behind schedule (Please explain below)

Total Project Budget	Expenditures Current Quarter	Total Expenditures	% Funds Expended	% Work Completed
\$100,000.00	\$0.00	\$100,000.00	100%	99%

Project Description:

Every year manufacturers introduce new deicing chemicals, additives or mixtures for use in snow and ice operations. Users do not currently have a comprehensive methodology for evaluating the performance of these new products prior to purchasing. The goal of this project is to establish laboratory tests that can be applied to all deicing chemicals, additives and mixtures to measure performance. Manufacturers would then be required to have the tests run at independent laboratories before they can be marketed or used by Clear Roads states. A standard set of performance tests for deicing chemicals, additives and mixtures that will help agencies anticipate how products may work in their specific environment is expected.

Progress This Quarter: (Includes project committee meetings, work plan status, contract status, significant progress, etc.)

During this quarter the research team worked on Task 5, as described below.

Task 0: Project Management (99% complete)

This task involved periodic communications within the research team as well as between the research team and the sponsor. The last quarterly progress report was submitted to Clear Roads in September 2009.

Task 1: Comprehensive Literature Search (100% complete)

This task was complete prior to this quarter.

Task 2: Needs Identification and Recommendations (100% complete)

This task was complete prior to this quarter.

Task 3: Develop Testing Protocols, Procedures and Ranges (100% complete)

This task was complete prior to this quarter.

Task 4: Conduct Baseline Tests (100% complete)

This task was complete prior to this quarter

Task 5: Final Report (99% complete)

We submitted the draft final report on October 15, 2009. We received comments from the Clear Roads TAS and an independent reviewer (Ron Wright) on February 23. We addressed the comments and resubmitted the draft final report on March 26, 2010.

Anticipated Work Next Quarter:

No additional work is anticipated.

Circumstances Affecting Progress and/or Budget:

None.

Gantt Chart:

Revised Schedule

		2007												2008												2009											
Tasks		Milestones																																			
Task 0. Project Management																																					
Project Kickoff		11/13/2007																																			
Quarterly progress reports		End of each quarter																																			
Task 1. Comprehensive Literature Review																																					
Interim Conference Call Meeting/Presentation		1/8/2008																																			
Task 2. Needs Identification and Recommendations																																					
Interim Report: Needs Identification and Recommendations Summary		5/28/2008																																			
Task 3. Develop Testing Protocols, Procedures and Ranges																																					
Task 4. Conduct Baseline Tests																																					
Task 5. Final Report																																					
Draft final report		Jun-09																																			
Conf Call-or- Face-to-face TAC meeting		Sep-09																																			
Final report		Nov-09																																			