

State of Wisconsin/Department of Transportation
RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: June 30, 2008

Program: TPF-5(092)		FHWA Pooled Fund Research Program	
Project Title: Determining Effectiveness of Deicing Materials and Procedures			
Project ID: 0092-06-23			
Administrative Contact: Nikki Hatch		Sponsor: Clear Roads Pooled Fund	
WisDOT Technical Contact: Mike Sproul		Approved Starting Date: August 1, 2006	
Project Investigator (agency & contact): Ed Fleege		Approved Ending Date: August 31, 2008	

Percent Complete: 60%

Project Description:

The overall objective of the research is to develop field testing procedures and guidelines for determining the effectiveness of various winter chemicals at various application rates.

The scope of the research is divided into three parts. Part 1 will be the development of an evaluation plan. This evaluation plan will be designed to test the effectiveness of any winter chemical in any winter weather condition. The plan will specify the minimum equipment and data needed to conduct such evaluations.

Part 2 will be the small pilot test on proposed I-94 segment near Alexandria, MN during the 2007 – 2008 winter in an effort to validate the evaluation plan that was developed in Part 1. A Mn/DOT snowplow truck with ground-speed controller will be available for this pilot test. Data collection forms will be developed and provided to record the necessary data from the snowplow truck operations.

Part 3 will be the final report that documents the findings and conclusions of this study. This report will include the testing guidelines and procedures that were developed along with the minimum equipment and data requirements, results of the pilot test, and recommendations for modifications to the testing procedures.

Progress this Quarter:

This past quarter, the research team worked on gathering electronic data from the archived databases for a number of storm events in April at the Pilot Test Site. However, no operator's logs were submitted for those events in April. Data reduction was conducted during the month of April.

The March 2008 Quarterly Report was prepared and it was submitted on April 11. As result of the Quarterly Report, a stop order on all work was issued on May 8. Panel had questions that were forwarded and the responses were prepared. A conference call was held with the panel and the members of the research team on June 2 where the concerns of the panel were discussed. Among other things, it was agreed to revise the Evaluation Plan and submitted a revised outline for the Final Report.

A revised outline for the Evaluation Plan with annotations was submitted to the panel for their comments. Following the receptions of their comments, work began again on re-writing the Evaluation Plan.

A revised outline for the Final Report was submitted to the panel for their comments.

CLEAR ROADS RESEARCH PROGRAM
WISCONSIN DEPARTMENT OF TRANSPORTATION

PROGRESS SCHEDULE

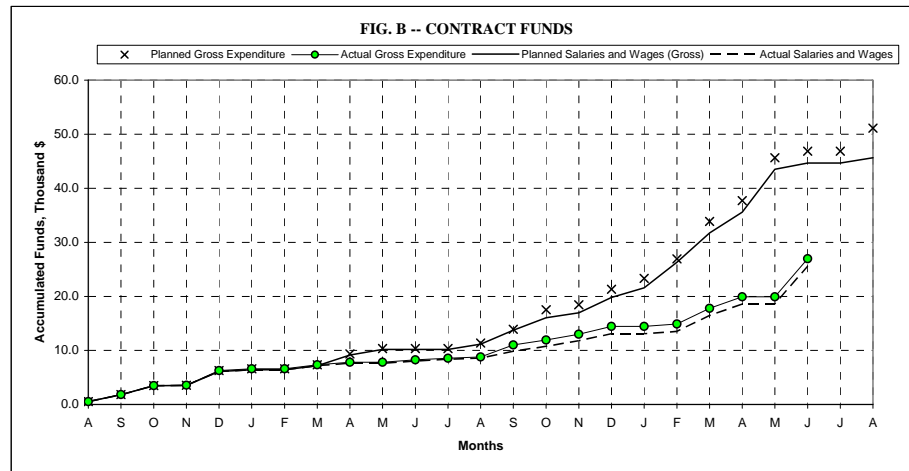
Project No. TPF - 5(092), Determining Effectiveness of Deicing Materials and Procedures
Research Agency Edward J. Fleege
Principal Investigator Edward J. Fleege

Year: 2008

Quarter: Second

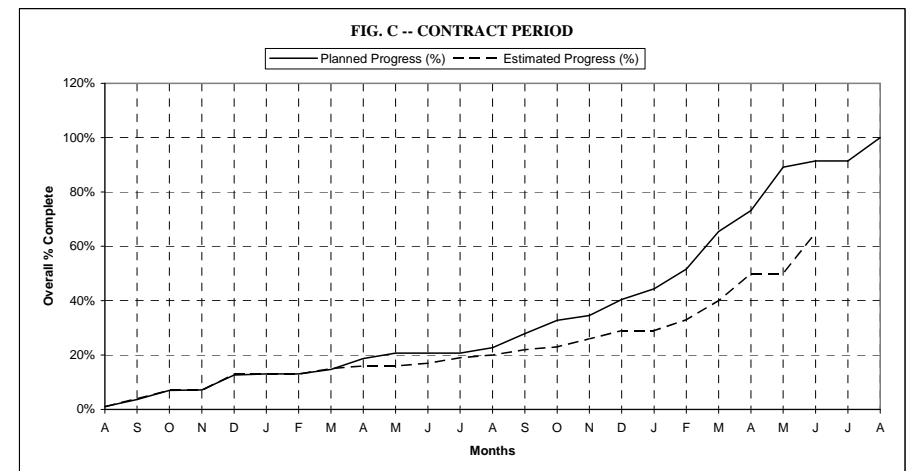
RESEARCH ACTIVITY	2006					2007										2008										ESTIMATED % COMPLETION
	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	
PART 1	3	12	22	23	41	42	42	47	60	67	67	67	73	90	100											80
PART 2																										65
PART 3															6	12	31	44	67	100						10
OVERALL % COMPLETED	1%	4%	7%	7%	13%	13%	13%	15%	16%	16%	17%	19%	20%	22%	23%	26%	29%	29%	33%	40%	50%	50%	60%			60

FIG. A -- OVERALL PROJECT SCHEDULE



Funds Expended	53%
Contract Amount	\$51,126
Expended This Quarter	\$9,150
Total Exp. to Date	\$26,963
Balance	\$24,163

Salaries and Wages Estimated This Quarter:	\$12,913
Salaries and Wages Spent This Quarter:	\$9,150
Accumulated Salaries and Wages To Date:	\$25,613



Time Expended:	91.4%
Starting Date:	August 1, 2006
Completion Date:	August 31, 2008