

State of Wisconsin/Department of Transportation
RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: September 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: February 28, 2009	

Expenditure Report

	Hours	Amount
Budgeted	609.0	\$51,126.00
Total expended to date	440.5	\$34,388.48
Percent completed	72.3%	67.3%
Expended for current quarter	99.0	\$7,425.00
Balance	168.5	\$16,737.52

Brief 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 (include specific tasks completed):

The research team worked on obtaining clarification on the MDSS recommendations and AVL activates. Work was completed on Sections 1 thru 6 of the Evaluation Plan. As requested, these sections will be forwarded to the Panel for review. Work was started on the draft of the Final Report.

Tasks planned for next quarter:

The research team plans to complete the Evaluation Plan and the draft of the Final Report next quarter.

Identify any outstanding issues and barriers

No major problems were encountered during the reporting period.

CLEAR ROADS RESEARCH PROGRAM
WISCONSIN DEPARTMENT OF TRANSPORTATION

PROGRESS SCHEDULE

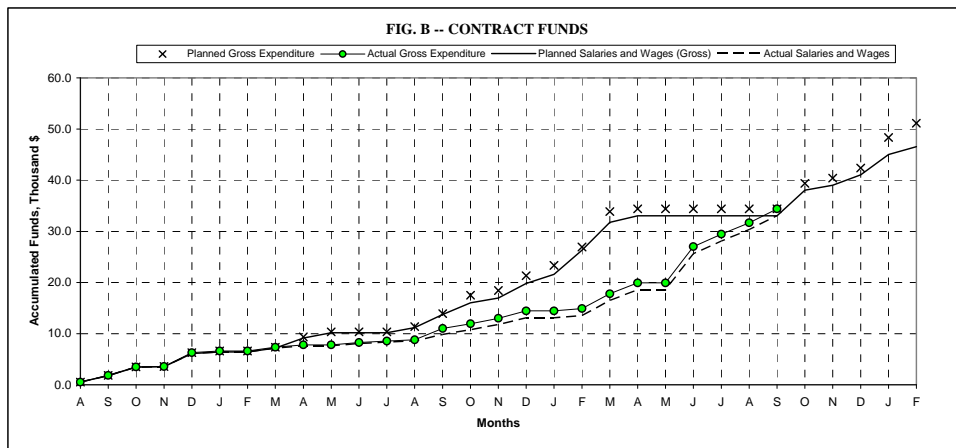
Project No. TPF - 5(092), Determining Effectiveness of Deicing Materials and Procedures
Research Agency Edward J. Fleege
Principal Investigator Edward J. Fleege

Year: 2008

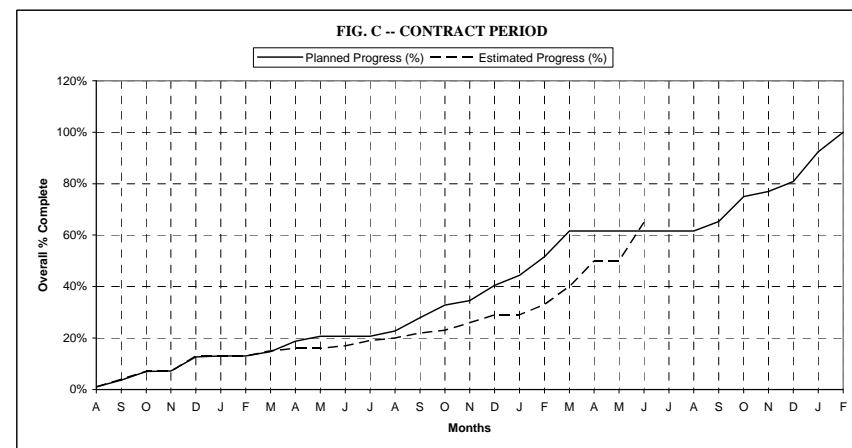
Quarter: Third

RESEARCH ACTIVITY	2006					2007													2008												2009		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	S	O	N	D	J	F		
PART 1	3	12	22	23	41	42	42	47	60	67	67	67	73	90	100																		90
PART 2															6	12	31	44	67	100													90
PART 3																				10	30	72	78	78	100								35
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%	64%	68%	70%							70

FIG. A -- OVERALL PROJECT SCHEDULE



Funds Expended	<u>67%</u>
Contract Amount	<u>\$51,126</u>
Expended This Quarter	<u>\$7,425</u>
Total Exp. to Date	<u>\$34,388</u>
Balance	<u>\$16,738</u>



Time Expended 84.0%
Starting Date: August 1, 2006
Completion Date: February 2009