

LTPP Data Analysis

Task Order #03

“Effect of Multiple Freeze Cycles and Deep Frost Penetration on Pavement Performance and Cost”

Quarterly Progress Report

October, November, December 2005

Prepared for:

US Department of Transportation
Federal Highway Administration
400 Seventh Street, S.W.
Washington, D.C. 20590

Detailed Technical Summary of NCE Task Order #03 “Effect of Multiple Freeze Cycles and Deep Frost Penetration on Pavement Performance and Cost”

In this quarter, NCE completed the primary work on Task Order #03 and submitted the draft final report to FHWA and the State Pooled Fund Panel for review. The report will be presented at the panel meeting scheduled for Saturday, January 21, 2006 between 7:00 p.m. and 10:00 p.m. in the Kennedy room at the Marriott Hotel.

Upon comments from one of the panel members, NCE is currently revising the rigid pavement models. These new models will be developed from a data set that excludes projects with known construction-related cracking. Additionally, performance models will be modified to correspond with damage models in the NCHRP 1-37A design procedures. These activities will be performed in the next quarter during the draft final report review period and the revisions will be incorporated into the final report.

Resources Used

Figure A.1 in Appendix A shows the current work schedule for Task Order #03 through December 2005.

A six-month no-cost time extension was requested and granted on this project. This provides more time to complete the project while allowing the final panel meeting to be held in Washington, DC during the 2006 Annual Transportation Research Board Meeting.

Figure A.2 in Appendix A shows the planned costs versus actual costs for Task Order #03 through December 2005. With the six-month extension, the current expenditure rate is in line with the budget rate through the time extension.

Appendix A

Task Order #03

Work and Costs Summaries

Through December 2005

Task No.	Task Status	Months																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	Plan	█	█																												
	Lit. Rev. Complete	█	█																												
2	Plan		█	█	█																										
	DB Dev. Complete		█	█	█																										
3	Plan			█	█	█	█	█	█																						
	Prelim. Anal. Complete			█	█	█	█	█	█																						
4	Plan			█	█	█	█	█	█	█																					
	Cost Data Complete			█	█	█	█	█	█	█																					
5	Plan				█	█	█	█	█	█																					
	Interim. Report Complete				█	█	█	█	█	█																					
6	Plan									█																					
	Panel Meeting Complete									█																					
7	Plan										█												█								
	TRB Briefings Complete										█												█								
8	Plan										█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
	Full Analysis Complete										█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
9	Plan																														
	Local Adapt. Complete																														
10	Plan																														
	Cost Anal. Complete																														
11	Plan																														
	Final Report Complete																														
12	Plan																														
	Panel Meeting Complete																														

Figure A.1. Work schedule for Task Order #03 through December 2005.