

LTPP Data Analysis

Task Order #03

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

Quarterly Progress Report

January, February, March 2006

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 presented the final report to the Pooled Fund Panel on January 21, 2006 at the beginning of the Annual Transportation Research Board Meeting in Washington, DC.

NCE revised the rigid pavement models in response to a question by the panel. These new models were developed from a data set that excludes projects with known construction-related cracking. Additionally, performance models for fatigue cracking in flexible pavements were developed to correspond with damage models in the NCHRP 1-37A design procedures. NCE has worked on revisions to the draft final report based on the comments received from FHWA and the panel members during the meeting.

Resources Used

Figure A.1 in Appendix A shows the current work schedule for Task Order #03 through March 2006. All primary tasks have been completed and NCE is working on making the revisions to the final report before submitting it for publication review.

Figure A.2 in Appendix A shows the planned costs versus actual costs for Task Order #03 through March 2006. 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 March 2006

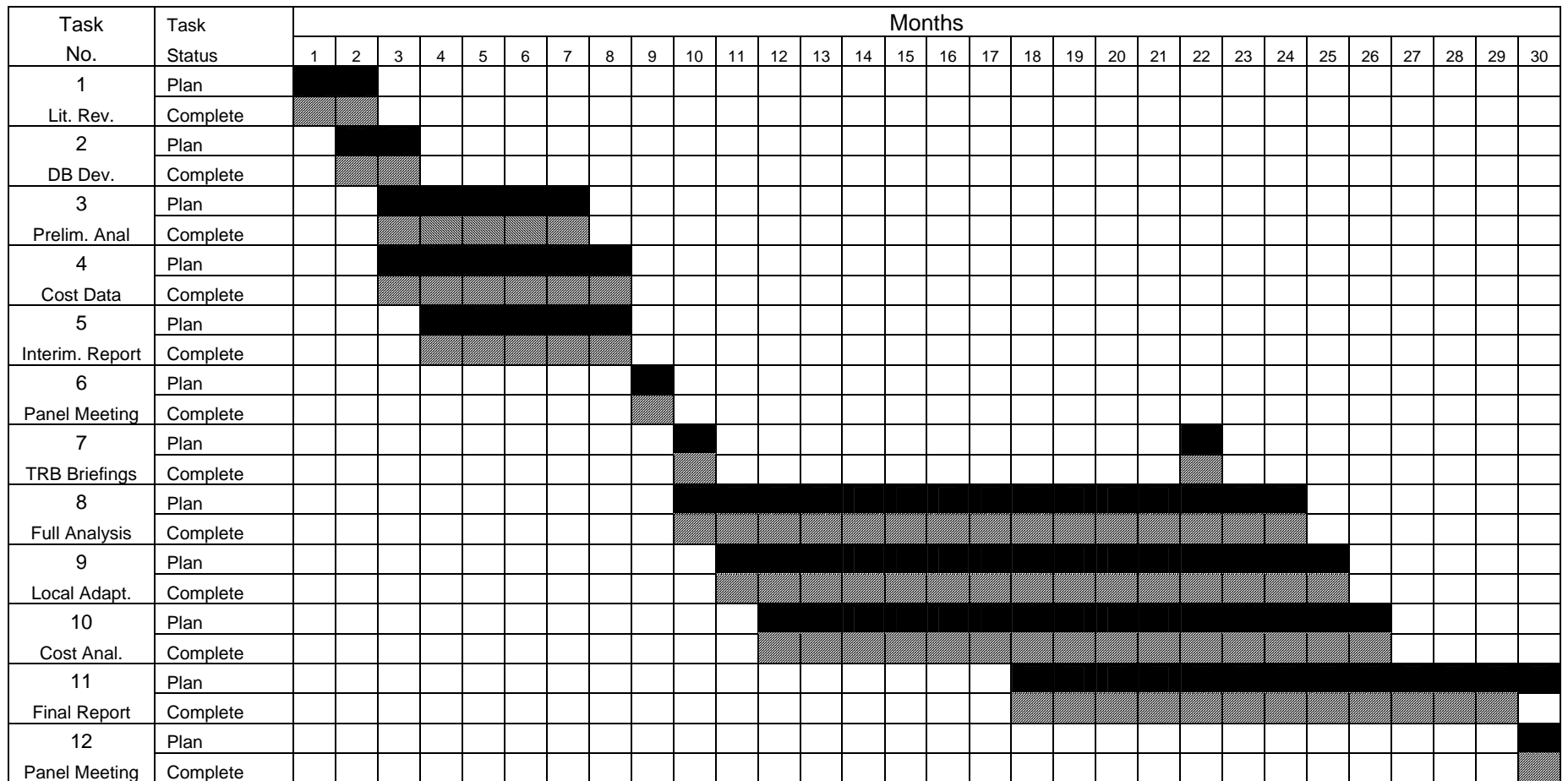


Figure A.1. Work schedule for Task Order #03 through March 2006.