

OHIO DEPARTMENT OF TRANSPORTATION QUARTERLY RESEARCH REPORT



For Quarter Ending: June 30, 2009

Date Submitted: July 31, 2009

Project Title: Monitoring and Modeling of Pavement Response and Performance

Research Agency: Ohio University

Principal Investigator(s): Shad Sargand, J. Ludwig Figueroa

State Job No.: 134287(0)

Agreement No.: 21182

Federal Contract No.: TPF-5(121)

Project Start Date: May 1, 2006

Contract Funds Approved: \$1,434,958.06

Project Completion Date: May 1, 2012 (72 months)

Spent and Encumbered To Date: \$1,175,459.04

81.9% Funds Expended

60% Work Done

52.8% Time Expired (38 months)

List the Technical Liaisons and other individuals who should receive copies of this report: Roger Green, Aric Morse

SUMMARY OF PROGRESS FOR QUARTER

- Received comments on draft report for Task A. Most of the revisions have been completed and the second draft will be submitted in August.
 - A new MEPDG software analysis of WAY30 was conducted utilizing site specific data, and the results added to the report.
- Continued to collect and analyze TDR, temperature and weather station data from NY I86.
- Testing of asphaltic materials from NY I86

- Conducted FWD testing on all test sections on NY I86 Cuba, NYI86 Angelica and NY RT9 Manhattan.

PROPOSED WORK FOR NEW QUARTER:

- Continue collecting environmental data from New York sites (I86 Angelica, I86 Olean/Cuba, RT9A (Manhattan)), including weather (all sites) and LVDT and vibrating wire data (as made available with solar power)
- Continue testing of I86 Angelica asphalt specimens
- Analyze data collected in previous quarter.
- Collect additional set of data on DEL23 and begin analysis.

IMPLEMENTATION (if any):

None

PROBLEMS & RECOMMENDED SOLUTIONS (if applicable):

A request for additional time to complete another set of controlled vehicle tests on DEL 23 was submitted to ODOT for approval. The abnormally wet spring and the exceptionally dry summer in Ohio during 2008 made it difficult to find conditions typically observed at the site. This request was approved as of April 10, 2009.

EQUIPMENT PURCHASED (if any):

The replacement DAQ ordered in the previous quarter was received and is in working order

CONTACTS & MEETINGS (if any):

None