

OHIO DEPARTMENT OF TRANSPORTATION QUARTERLY RESEARCH REPORT



For Quarter Ending: March 31, 2009

Date Submitted: April 29, 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: \$802,348.32 (was \$972,314.16 (\$8713.17 encumbered))

51.2% Funds Expended

55% Work Done

48.6% Time Expired (35 months)

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

SUMMARY OF PROGRESS FOR QUARTER

- Continued to collect and analyze TDR, temperature and weather station data from NY I86.
- Testing of asphalt specimens from NY I86 Angelica site.
- Completed and submitted draft report on Ohio portion of the project at the end of February.

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, and not on I86 westbound).
- Continue testing of I86 Angelica asphalt specimens
- Analyze data collected in previous quarter.
- Complete and submit final report on Ohio portion of the project upon receipt of comments from ODOT. An extension through September 2009 to complete some CVL tests has been approved.
- 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 funds for the replacement DAQ were received and the DAQ has been ordered.

CONTACTS & MEETINGS (if any):

None