

OHIO DEPARTMENT OF TRANSPORTATION QUARTERLY RESEARCH REPORT



For Quarter Ending: March 31, 2007

Date Submitted: May 2, 2007

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:** \$1,353,232.06

Project Completion Date: May 1, 2011 (or 2012)

Spent and Encumbered To Date: \$341,696.92

25.3% Funds Expended 15% Work Done 15.3% Time Expired

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

SUMMARY OF PROGRESS FOR QUARTER

- Collected environmental data from WAY30 and NY I86.
- Continued testing of asphaltic materials from NY I86 to obtain their engineering properties
- FWD test was conducted on I86 in late March
- Purchased sensors; calibrated and prepared instrumentation for DEL23 PCC installation this summer

PROPOSED WORK FOR NEW QUARTER:

- Continue collecting environmental data from DEL23, WAY30, and NY I86, including weather (all sites) and LVDT and vibrating wire data (as made available with solar power, and not on I86 westbound)
- Prepare WAY30 weather station for summer season
- Complete testing of asphaltic materials from NY I86 to obtain their engineering properties
- Instrument 5 replacement PCC sections on DEL23.

IMPLEMENTATION (if any):

None

PROBLEMS & RECOMMENDED SOLUTIONS (if applicable):

On I86, one lane westbound has been closed for construction. We will not have access to the road or the data being collected until the end of summer. We can still collect weather station data.

It has also been noted that the first page of the contract gives the project duration as 6 years, but incorrectly lists the completion date as May 1, 2011, after only five years. This appears to be a typographical error and should be corrected to May 1, 2012.

EQUIPMENT PURCHASED (if any):

LVDTs, pressure cells, datalogger, and temperature probe for DEL23

CONTACTS & MEETINGS (if any):

None