

OHIO DEPARTMENT OF TRANSPORTATION QUARTERLY RESEARCH REPORT



For Quarter Ending: September 30, 2008

Date Submitted: October 31, 2008

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: \$1,429,372.06

Project Completion Date: May 1, 2012

Spent and Encumbered To Date: \$953,390.77

66.73% Funds Expended

45% Work Done

40% 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

- Continued to collect TDR, temperature and weather station data from WAY30, DEL23 and NY I86.
- Reconditioned weather stations on WAY30 and NY I86
- Continued to analyze environmental effects data collected from DEL23 test section in June.
- Conducted FWD testing on Route 9A, Freedom Tower site.

- Conducted the sensor installation for the NY I86 Angelica project, including installation of LVDTs, Pressure cells, thermocouples and strain gages.

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)
- Analyze data collected in previous quarter.
- Collect FWD data from the NY I86 sites (both)
- Collect FWD data from the DEL23 site
- Start writing draft report on Ohio portions of the project

IMPLEMENTATION (if any):

None

PROBLEMS & RECOMMENDED SOLUTIONS (if applicable):

One of the data acquisition systems used for data collection on the DEL23 project site was flooded while on site and is no longer operable. A request to replace the system will be sent to ODOT. The in ground pull boxes used to house the sensor wires and data acquisition need to be inspected to make sure that drains are not plugged with debris.

EQUIPMENT PURCHASED (if any):

None

CONTACTS & MEETINGS (if any):

None