

OHIO DEPARTMENT OF TRANSPORTATION QUARTERLY RESEARCH REPORT



For Quarter Ending: September 30, 2009

Date Submitted: October 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: \$1,316,977.37

89.24% Funds Expended

70% Work Done

56.9% Time Expired (41 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 revising the draft report and assembling the accompanying database. The report and database will be completed in October.
- Weather data was obtained from WAY-30 and will be added to the database
- Completed testing of asphaltic materials from NY I86
- Conducted FWD testing on test sections on NY I490 Rochester
- Prepared for installation of sensors on I90 in Syracuse NY, installed TDR and LVDT sensors.

PROPOSED WORK FOR NEW QUARTER:

- Complete second draft report on Task A and submit.
- Complete installation of strain gauges on I90, Syracuse NY. Also install weather station
- Collect FWD data on I90 and possibly truck data
- Collect FWD data on I86 Angelica NY and NY Rt. 9A, Manhattan.
- Analyze data collected in previous quarter.

IMPLEMENTATION (if any):

None

PROBLEMS & RECOMMENDED SOLUTIONS (if applicable):

None

EQUIPMENT PURCHASED (if any):

None

CONTACTS & MEETINGS (if any):

Regular meetings with construction and NYSDOT officials concerning instrumentation and testing.

Professor Sargand met with Juliàn Bendaña at the International Conference on Perpetual Pavement, September 30-October 2.