

State of Wisconsin/Department of Transportation
RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: December 31, 2005

Program: SPR-0010(36) FFY99	Part: II Research and Development
Project Title: Construction Vibration Attenuation with Distance and Effect on Quality of Early-Age Concrete	Project ID: 0092-06-04
Administrative Contact: Nina McLawhorn	Sponsor: WHRP
WisDOT Technical Contact: Robert Arndorfer	Approved Starting Date: 10/20/05
Approved by COR/Steering Committee: \$230,805	Approved Ending Date: 10/20/08
Project Investigator (agency & contact): HNTB Corporation, John M. Siwula	

Percent Complete: Approximately 2%

Project Description :

Research construction vibrations and attenuation with distance from the source. Also determine effects of vibration and cure time on the quality of recently placed concrete. Noise generated by pile driving will also be measured. The Department wants to use the research to reduce the distance between pile driving and concrete placement operations in order to reduce construction periods and/or costs

Progress This Quarter:

(Includes project committee mtgs, work plan status, contract status, significant progress, etc.)
Review of previously conducted research as outlined in Phase I of the workplan was performed.
Meeting scheduling with the PDA Engineering firm, the contractor, and the Department was performed.
Review of vibration data from the Marquette Interchange Pile Load Test Program was commenced.

Work Next Quarter:

Meet with the parties in order to determine test locations, review subsurface information and start field monitoring.

Circumstances Affecting Progress/Budget:

None at this time

Gantt Chart:

Not included due to project start-up.