

# RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: 4th

Wisconsin Department of Transportation  
DT1241 2009

Research, Development and Technology Transfer	
<b>Program:</b> (Choose One)	
<input type="checkbox"/> Policy Research	<input type="checkbox"/> Pooled Fund TPF #
<input checked="" type="checkbox"/> Wisconsin Highway Research Program	<input type="checkbox"/> Other
<b>Project Title:</b> Implementation of WisDOT Project 0092-07-04: Comparison of Three Different Methods for Determining Pile Bearing Capacities	
<b>Administrative Contact/Phone #:</b> Peg Lafky/(608)266-3663	<b>WisDOT Project ID(s):</b> 0092-08-37
<b>WisDOT Technical Contact/Phone #:</b> Mr. Jeffrey Horsfall/6082435993 Mr. Rober Andorfer/6082467940	<b>Other Project ID:</b>
<b>Project Investigator/Phone # (agency &amp; contact):</b> James Long/2176218663	<b>Approved Starting Date:</b> 8/1/2008
<b>WisDOT Comments:</b>	<b>Original End Date:</b> 7/31/2009
	<b>Current End Date:</b> 11/30/2009
<b>Sponsor:</b> Wisconsin Department of Transportation	<b>Number of Extensions:</b> 2

**Schedule Status:**

- On schedule                       Ahead of schedule  
 On revised schedule             Behind schedule (Please explain below)

Total Project Budget	Expenditures Current Quarter	Total Expenditures	% Funds Expended	% Work Completed
\$10,000.00	\$0.00	\$7,000.00	70%	70%

**Project Description:**

*The research objective for this effort includes using results from project 0092-07-04 for developing design values, guidance and tools. Furthermore, it will be essential to work closely with Wisconsin DOT engineers to apply the results of the research to LRFD deep foundation design issues in a form that is understandable and usable for their design needs.*

**Progress This Quarter:** (Includes project committee meetings, work plan status, contract status, significant progress, etc.)

*The starting point for this project is an approved version of the report "Comparison of Three Different Methods for Determining Pile Bearing Capacities," (WisDOT Project 0092-07-04). Presentation of the results from the project 0092-07-04 was given in February of 2009 and the final report was submitted to Wisconsin DOT and approved in March, 2009. Accordingly, we have started the implementation tasks.*

*A draft version of changes to the Wisconsin Bridge Manual and has been revised and submitted to Wisconsin DOT technical contacts for their review and comments. The changes from the previous version are that two draft versions were written. One version of the draft assumes that the UI-modified gates method (dynamic formula) will be adopted by the Wisconsin DOT, while the second version of the draft version assumes that the Washington State method (dynamic formula) will be adopted.*

**Anticipated Work Next Quarter:**

*The work next quarter should complete the requirements of the project. Suggested draft review comments will be implemented to accommodate comments from Wisconsin DOT. We will have a meeting with Wisconsin DOT panel members in the next quarter if members feel it necessary. This meeting will be arranged to agree with the schedules of the technical review members.*

**Circumstances Affecting Progress and/or Budget:**

*Completion of the original project (0092-07-04) was delayed, which may result in delaying the completion of the implementation project. The drafts are currently under review by WisDOT personnel. An extension to the end of December has been requested to allow the review process and final editing to be completed.*

**Gantt Chart:**

(see next page)

## WORK-TIME SCHEDULE

Task	Description	Month															
		A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
1	Review the final report Develop Draft for Design Manual	xx	xx	xx	xx	xx	xx	xx	xx	xx							
2	Develop tools/graphs for design calcs										xx	xx					
3	Discuss LRFD with WisDOT							xx		xx	xx						
4	Present Guidance plan to TOC															xx	xx
5																	
	Meetings								*M								*M