

State of Wisconsin/Department of Transportation
 RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: December 31, 2008

Program: SPR-0010(36) FFY99		Part: II Research and Development	
Project Title: Pre-Overlay Repair of Existing Concrete and Asphalt Pavements		Project ID: 0092-08-09	
Administrative Contact: Daniel Yeh		Sponsor: Wisconsin Department of Transportation	
WisDOT Technical Contact: Irene Battaglia		Approved Starting Date: 10/4/07	
Approved by COR/Steering Committee: \$69,896		Original End Date: 6/4/09	
Project Investigator (agency & contact): Haifang Wen – Washington State University		Current End Date: 6/4/09	
		Number of Extensions: 0	

Percent Complete: 50%

Request a No Cost Time Extension (Please Select One): **YES** **NO**

Reason for No Cost Time Extension: Contract transfer.

Project Description:

A large percentage of the asphaltic paving projects performed in Wisconsin are asphaltic overlays of existing asphaltic or concrete pavements. The conditions and distresses in these pavements vary considerably when they are chosen for overlay, and the amount and methods of pre-overlay repairs also vary widely. This lack of consistency in the pre-overlay repair leads to large variations in the performance of these asphaltic overlays. In 2004, WHRP sponsored a study, 0092-04-05, titled "Guidelines for the Surface Preparation/Rehabilitation of Existing Concrete and Asphaltic Pavements Prior to an Asphaltic Concrete Overlay." The performance of overlay using different pre-overlay repair methods was evaluated in that study. Other factors affecting the overlay performance were also investigated. Due to the budget and time limitation of the previous study, the findings from previous study needs to be validated using more performance data. In addition, the cost-effectiveness of the pre-overlay repair methods needs to be determined through the life cycle cost analysis before the recommendation on the amount and methods of pre-overlay repair is made.

Progress This Quarter:

There was no work done during last quarter, as the contract is being transferred.

Work Next Quarter:

Pending the completion of contract transfer, the team plans to work on the data retrieval of past overlay projects.

Circumstances Affecting Progress/Budget:

The project is being transferred. The team has requested a non-cost extension.

Gantt Chart:

Tasks	07	2008				2009				10	
	Phase I								Phase II		
	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	
Task 1: Literature Review	■	■									
Task 2: Data Collection	■	■	■	■	■	■	■				
Task 3: Interim Report for Phase I							■				
Task 4(a): Determine Overlay Lives							■	■	■		
Task 4(b): Perform Life Cycle Analysis							■	■			
Task 5: Validation of Previous Findings								■			
Task 6: Prepare a Guideline for Pre- overlay Repair								■	■		