

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: Evaluation of Methods of Rebar Protection, Spall Prevention, and Repair Techniques on Concrete Girders	Project ID: 0092-06-06
Administrative Contact: Nina McLawhorn	Sponsor: WHRP
WisDOT Technical Contact: Ed Fitzgerald	Approved Starting Date: 10/3/05
Approved by COR/Steering Committee: \$85,000	Approved Ending Date: 10/3/07
Project Investigator (agency & contact): Habib Tabatabai, UW-Milwaukee	

Percent Complete: 2%

Project Description:

The objective of the proposed research program is to evaluate the effectiveness of select available, new and promising materials and processes applicable to reinforced and prestressed concrete bridges using the methodologies and hardware developed in an earlier WHRP research program. The research team would analyze the laboratory performance data and other available data including field performance and cost information to comment on the practicality and effectiveness of these methods.

Progress This Quarter:

(Includes project committee mtgs, work plan status, contract status, significant progress, etc.)

Work on collection of literature and new data since last study was initiated. However, the contract formally began in October 2005 (past the beginning of fall semester), we could not offer a research assistantship to our graduate student until the beginning of the new semester in January 2006. Our graduate student, Mr. Matt Pritzl, has been working on this project since January.

Work Next Quarter:



Collect and synthesize data on new repair and rehabilitation techniques for concrete bridges. Prepare a test plan (Task B) for presentation to the Advisory Panel.

Circumstances Affecting Progress/Budget:

The delay in hiring a graduate research assistant has postponed the preparation of test plan by about two months. We will try to compensate for this time in the upcoming quarters.

Gantt Chart:

Year	2005			2006												2007												
Month	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12	
Task A	Planned	Planned	Planned	Planned	Planned																							
Task B				Planned	Planned	Planned																						
Task C						Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned					
Task D																				Planned	Planned	Planned	Planned					

 Planned
 Work Performed