

State of Wisconsin/Department of Transportation
RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: March 31, 2006

Program: SPR-0010(36) FFY99	Part: II Research and Development
Project Title: Portland Cement Concrete Pavement Over Rubblized PCC	Project ID: 0092-00-11
Administrative Contact: Nina McLawhorn	Sponsor: Wisconsin Department of Transportation
WisDOT Technical Contact: James Parry	Approved Starting Date: Mar 28, 2000
Approved by COR/Steering Committee:	Approved Ending Date: Dec 31, 2006
Project Investigator (agency & contact): Marquette University, James A. Crovetti	

Percent Complete: 90

Project Description:

This project is investigating the feasibility of placing PCC pavements over rubblized PCC pavements with or without interlayers. Finite element analyses of PCC pavement systems were conducted to investigate the contributions of rubblized PCC base layers of variable stiffness to stress reductions in the PCC surface layer under loadings. Field investigations of constructed test sections will also be included to document performance results and to validate the results of computer modeling.

Progress This Quarter:

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

No work on this project occurred during this quarter due to weather restrictions.

Work Next Quarter:

Additional field testing, including FWD testing and condition surveys, will be scheduled between April 1 – May 31, 2006. FWD tests will be conducted to investigate structural parameters during spring conditions. Pavement cores may also be obtained to document PCC layer thickness and compressive strength. Hydraulic testing of the subsurface drainage systems may also be conducted.

Circumstances Affecting Progress/Budget:

Test sections were constructed in Spring 2004, therefore it was not possible to have 5-year performance data within the originally proposed study period. The project duration has been extended to December, 2006 to allow for the collection and reporting of 3-year performance data.

Gantt Chart:

Task	CY 2005			CY 2006												
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	
1 – Literature Review - Complete (13% of total)																
2 – Data Refinement - Complete (14% of total)																
3 – Test Section Construction - Complete (15% of total)																
4 – Performance Monitoring (40% of total)		P				P	P	P								
		A														
5 – Final Report (18% of total)					P	P			P	P	P	P	R	P	P	
			A													

P – Proposed (Revised)

A – Actual

R – WisDOT Review