

State of Wisconsin/Department of Transportation
 RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: September 30, 2007

Program: SPR-0010(36) FFY99		Part: II Research and Development	
Project Title: North Central Pavement Research Coordination Partnership (Frozen Four)		Project ID: 0092-06-40	
Administrative Contact: Nikki Hatch		Sponsor: Wisconsin Department of Transportation	
WisDOT Technical Contact: Laura Fenley		Approved Starting Date: February 22, 2006	
Approved by COR/Steering Committee: \$25,000		Original End Date: February 22, 2008	
Project Investigator (agency & contact): Hussain Bahia, UW Madison		Current End Date: February 22, 2008	
		Number of Extensions: 0	

Percent Complete: 80%

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

Reason for No Cost Time Extension: NA

Project Description: The purpose of this pooled fund project is to maximize the coordination activities of four states in the upper Midwest. Those states include Wisconsin (the lead state), Minnesota, Michigan and Illinois. This purpose will be accomplished through three activities. Those activities are...

- 1) Development and maintenance of a Frozen Four website
- 2) Coordinate quarterly teleconferences
- 3) Coordinate face-to-face meetings

Progress This Quarter:

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

All activities for the project for this quarter were focused on planning and preparations for the Resilient Modulus Workshop to be held on October 17th and 18th. The agenda for the two day workshop is attached. The following specific tasks performed:

- 1) Scheduling of meeting.
- 2) Development of meeting agenda and consultation with partner states to identify academic representatives to invite for presentation from each state and discussion topics.
- 3) Invitation of presenters.
- 4) Organization of travel arrangements and reimbursements for all attendees.

The subcontract with CTC and Associates was also renewed late in this quarter, this provides a mechanism for keeping the website up to date.

Work Next Quarter:

- 1) Make final arrangements and conduct Resilient Modulus Workshop.
- 2) Produce a final report and any other deliverables requested by the group from the workshop.
- 3) Solicit participation and develop work plans for renewal of the pooled fund.
- 4) Work with CTC to completely update and maintain Frozen Four website throughout remainder of the project.

Circumstances Affecting Progress/Budget:

None.

Financial Summary 2007 Q3

Summary of Expenditures	
Annual Budget	\$25,000.00
Contract Amendmnet	\$15,000.00
Total Budget	\$40,000.00
Expense	Amount
Other Expenditures	\$ (4,563.84)
Subconsultant Expenditures	(\$5,250.00)
Total Expenditures	(\$9,813.84)
Remaining Budget	\$30,186.16
Percent Budget Used	25%

Summary of Other Expenditures	
Domestic Travel	\$ 3,300.00
Indirect Cost	\$ 1,263.84
Total Expenditures	\$ 4,563.84

Summary Subconsultant Invoices			
Invoice Number	Jrnl ID	Jrnl Date	Amount
Purchase Order	PO00000080	10/18/2005	\$5,250.00
FF 2006-01	MW10731015	8/11/2006	(\$1,450.00)
FF 2006-02	MW12702006	12/5/2006	(\$2,125.00)
FF 2006-03	MW12702006	12/5/2006	(\$950.00)
FF 2006-04	JRT0000432	10/11/2007	(\$725.00)
Purchase Order		8/1/2007	\$5,025.00
		Subcontract Budget	\$10,275.00
		Total Expenditures	(\$5,250.00)
		Remaining Budget	\$5,025.00
		Percent Budget Used	51%

AGENDA
North Central Pavement Research Partnership (Frozen Four)
MDOT Meeting Facilities
Lansing, MI
October 17 – 18th

October 17, 2007: 8:30 – 5:00PM. Resilient Modulus Workshop

Theme: Putting Resilient Modulus Research into Practice

- | | |
|---------------------------------------|--|
| 8:30 – 8:45 | Welcome and Introductions – WHRP |
| 8:45 – 9:15
Regional | MDOT’s Application of Resilient Modulus Research –
Subgrade Characterization – <i>Gilbert Baladi Michigan State</i>
<i>University</i> |
| 9:15 – 10:15 | Topic 1: Laboratory Measurement of Resilient Modulus –
<i>Ralph Hodek and Torsten Mayrberger Michigan Tech</i> |
| 10:15 – 10:30 | Break |
| 10:30-11:45 | Topic 2: Prediction of Resilient Modulus from other
Laboratory Measured Properties <i>Hani Titi – UW Milwaukee</i> |
| 11:45 – 1:00 | Lunch (Catered In) |
| 1:00 – 2:15 | Topic 3: Prediction of Resilient Modulus from Field and
Aggregate Properties – <i>Debakanta (Deb) Mishra – University of</i>
<i>Illinois – Champaign</i> |
| 2:15 – 2:30 | Break |
| 2:30 – 3:45 | Topic 4: Application of Existing Databases to Aide Predictions
and ME Design Guide Sensitivity Analysis – <i>Joseph Labuz</i>
<i>University of Minnesota</i> |
| 3:45-4:15 | Minnesota’s Participation in NCHRP Synthesis 20-05:
Estimating Stiffness of Subgrade and Unbound Materials for
Pavement Design – <i>John Siekmeier, MNDOT</i> |
| 4:15– 5:00 | Ongoing/Future Research Activities and Opportunities for
Collaboration – <i>Discussion Facilitated by WHRP</i> |

AGENDA
North Central Pavement Research Partnership (Frozen Four)
MDOT Meeting Facilities
Lansing, MI
October 17 – 18th

October 18, 2007. 8:30 – 12:00 PM. Frozen Four Business Meeting

- 8:30-8:45** **Introductions – *WHRP***
- 8:45-9:45** **Overview of MDOT’s Research Program and Plans for the Future - *MDOT***
- 9:45-10:30** **Updates on new Research Projects and Opportunities for Collaboration – *All State partners***
- 10:30-11:00** **Feedback on Resilient Modulus Workshop and Ideas for Future Workshops/Meetings - *WHRP***
- 11:00-11:30** **Extension of the Pooled Fund**
- **Do we want to do it?**
 - **Discuss areas of emphasis, frequency of meetings, etc.**
 - **If/when the group wants to initiate a research proposal of its own?**
- 11:30 – 12:00** **Financial Update/Outstanding Issues**