

**OHIO DEPARTMENT OF TRANSPORTATION
QUARTERLY RESEARCH REPORT**



For Quarter Ending: December 31, 2008

Date Submitted: March 3, 2009

Project Title:	Evaluation of Fiber Reinforced Composite Dowel Bars and Stainless Steel Dowel Bars		
Research Agency:	Applied Pavement Technology, Inc.		
Principal Investigator(s):	Roger M. Larson and Kurt D. Smith		
State Job Number:	134411	Agreement Number:	22160
Project Start Date:	October 17, 2008	Contract Funds Approved:	\$54,000
Project Completion Date:	October 17, 2011	Spent to Date:	\$2,290
4.2 % Funds Expended		4 % Work Done	
		6.8 % Time Expired	

List the Technical Liaisons and other individuals who should receive a copy of this report:

Roger Green (Office of Pavement – 614-995-5993)

TPF-5(188) Technical Panel Members: Mark Gawedzinski (Illinois); Andy Gisi (Kansas); Irene Battaglia (Wisconsin); Max Porter (Iowa State University); Seung-Kyoung Lee (FHWA)

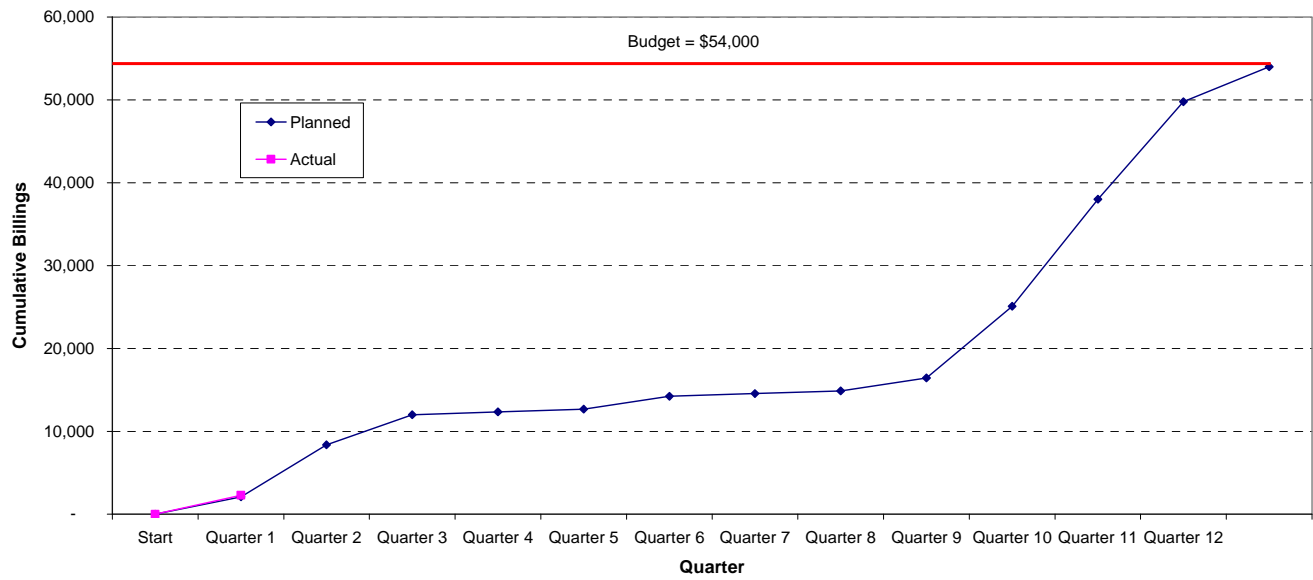
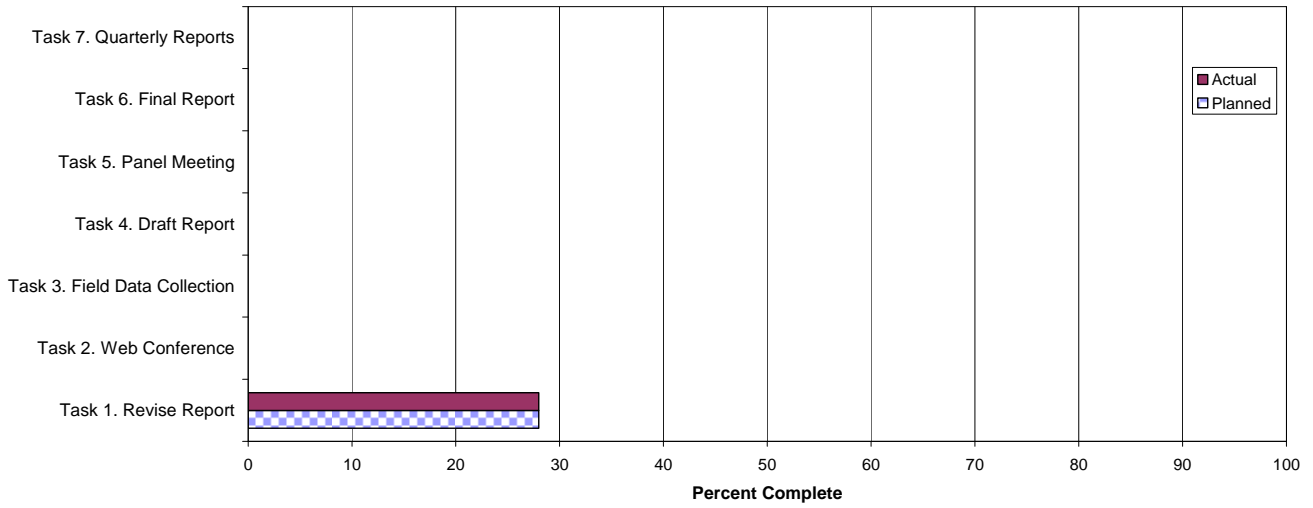
SUMMARY OF PROGRESS FOR QUARTER:

*Attach a progress schedule consisting of graphical information depicting (1) a schedule of research activities tied to **each task** defined in the proposal, (2) a comparative status of actual versus estimated expenditures, (3) a percentage completion of the research, (4) and a brief description of the activities accomplished by **each member** of the research team as listed in the project budget.*

A project kick-off meeting was held by Roger Larson and Kurt Smith with Monique Evans, Wendi Snyder, Jill Martindale, and Roger Green of ODOT in Columbus, Ohio on November 24, 2008. This was followed by a teleconference with members of the Technical Panel (Roger Green – Chairman, Mark Gawedzinski – IL DOT, Andy Gisi – KS DOT, Irene Battaglia, WI DOT, Max Porter, Iowa State University, and Seung-Kyoung Lee, FHWA) to discuss the overall objectives of the research.

Roger Larson described the work plan and discussed the draft HITEC Interim Report dated March 31, 2005. Kurt Smith drafted up minutes of the meeting which were finalized and distributed on December 1, 2008. Approximately 28% of Task 1, Revise Report was completed. Comments on the draft Interim Report were requested from the Technical Panel by January 5, 2009. An initial web conference was scheduled for 9 am to noon EST on Wednesday, February 25, 2009.

Planned to Actual Progress



PROPOSED WORK FOR NEW QUARTER:

Review comments on the draft Interim Report are expected to be submitted by the Technical Panel. A web conference will be held with members of the Technical Panel on February 25, 2009. Draft minutes of web conference and a Revised Evaluation Plan will be prepared and submitted to the Technical Panel for review and comments. Work will begin on the revisions/updates to the Interim Report and Annotated Bibliography.

IMPLEMENTATION (if any):

None.

PROBLEMS & RECOMMENDED SOLUTIONS (if applicable):

*(Describe any problems encountered or anticipated that might affect the completion of the project within the time, scope, and fiscal constraints set forth in the contract, along with recommended solutions to those problems. NOTING DIFFICULTIES IN THIS SECTION DOES **NOT** CONSTITUTE A REQUEST TO MODIFY THE PROJECT. Requests for additional time, money, or scope revisions must be submitted in a separate letter to the Office of R&D Administrator.)*

A revised evaluation plan will be prepared with recommended testing by the states to complete the evaluation of the various alternative dowel bar material projects constructed in 1997-1998. FWD testing and coring of field projects by the states in calendar years 2009 and 2010 will be recommended. No problems have been identified except for funding of chloride testing of the concrete cores taken and possible analysis of FWD deflection/load time history if collected at proposed core sites.

EQUIPMENT PURCHASED (if any):

None.

CONTACTS & MEETINGS:

(Describe any meetings or contacts with ODOT technical liaisons and other pertinent individuals relative to this project.)

The project kick-off meeting was held with the ODOT research staff and a telephone conference was conducted with the Technical Panel also on November 24, 2008. Minutes of the meeting were distributed on December 1, 2008.