

Quarterly Progress Report
For the period April 1, 2011 to June 30 2011
ISU/FHWA Contract No. DTFH61-06-D-00023

Project Dates: November 1, 2010 – July 30, 2011 (Task Order 4)
Project Title: CP Road Map Administrative Support Contract
(Task Order No. 4 – Continue Activities to Initiate CP Road Map)
Principal Investigator: Tom Cackler, voice: 515-294-3230, e-mail: tcackler@iastate.edu
Project Monitor: Ahmad Ardani, 202-493-3151, email: ahmad.ardani@dot.gov

Project is on schedule: No
Project is within budget: Yes
Problems (current or anticipated): 1 month extension approved

Products and tangible results this quarter (reports/articles written, oral reports/interviews given):

- Three MAP Briefs were developed and are listed as follows:
 - Preventing Joint Deterioration in Concrete Pavements (April 2011)
 - Partial Depth Repairs of Concrete Pavements (May 2011)
 - Identifying and Avoiding Incompatible Combinations of Concrete Materials (June 2011)
- Developed three monthly e-news which included state highlights from Texas (April 2011) and FHWA's Turner-Fairbank Highway Research Center (May 2011) and New York (June 2011).
- The CP Road Map Impacts and Accomplishments document was presented to PCA.

Interaction with Technical Monitor and/or Project Advisory Committee:

- Conference calls continued every two weeks with the Technical Monitor /Project Advisory, Ahmad Ardani to discuss the project progress.
- Three committee conference calls were held with the CP Road Map Refreshing Technical Advisory Committee to receive input and review the track updates. The calls were held on May 2, 2011, June 1, 2011 and June 30, 2011.
- The CP Road Map Executive Committee will hold the next committee meeting (electronic) September 6, 2011.
- Weekly conference calls continued to be held with the project team.

Brief summary of this quarter's research and activities pertaining to the project:

- Refreshing the CP Road Map to ensure it is addressing the current issues facing DOTs and industry. A Technical Advisory Committee was formed to provide input with this effort. The refreshing will be complete mid-July 2011 and will be distributed to FHWA.
- Preparation of the CP Road Map Impacts and Accomplishments document was completed.
- The development of Task Order No. 4 Final Report was started and the report will be distributed to FHWA upon completion.
- Task Order 5 was received June 11th, and work is beginning.
- For the following months a new edition of the e-News was developed and distributed which includes a MAP Brief. Subjects include:

April

- National research investigates influence of SCMs on concrete performance
- Innovative Pavement Research Foundation evaluates improved unbonded concrete overlay designs for airfield pavements
- Australian researchers weigh in on permeable concrete pavement
- IDOT Develops M-E Design Method for JPCP based on research findings over the last 15 years
- Updates from the States: Texas

May

- Illinois Center for Transportation investigates impact of early-entry saws on concrete pavement durability
- Wisconsin study examines deleterious effects of fine particles in concrete aggregates
- Texas researchers seek to prevent horizontal cracking in continuously reinforced concrete pavements
- WsDOT constructs and tests next generation concrete surface
- Updates from the States: Federal Highway Administration's Turner-Fairbank Highway Research Center

June

- Colorado researchers evaluate various concrete pavement preservation treatments
- FHWA publishes tech brief on impact of curling and warping on jointed concrete pavement performance
- Michigan State Study aims to fully quantify thermal expansion of concrete paving mixtures
- IGGA develops extensive selection of fact sheets to assist concrete pavement practitioners
- Updates from the States: New York

Main emphasis for next quarter:

- Finalize CP Road Map Refreshing by July 30, 2011
- Continue to work to set up discussions for industry and DOT interaction
- Develop e-news and MAP Briefs for continued distribution
- Develop and hold training sessions (webinars/workshops), one for each of the participating TPF states.
- Set up a conference call with state DOTs.
- Set up conference call with all track leadership groups.
- It is planned to hold regular web-meetings on the sustainability track and invite researchers around the country to participate.

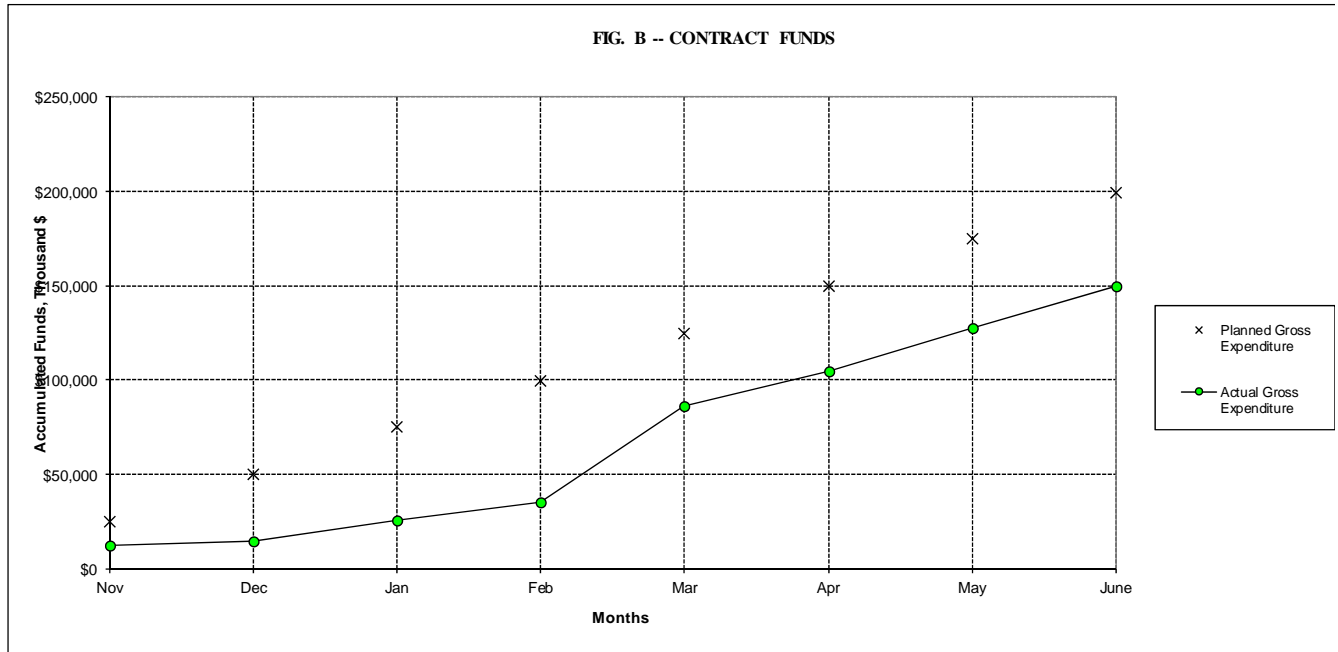
Task #	Task Description	Completion Date Expected/Actual	% of Task 4 Completed
A	Support Executive Committee & Pool Fund Committee	6/30/11	100%
B	Support Research Track Teams	6/30/11	100%
C	Conduct Communications and Outreach Activities	6/30/11	100%

FEDERAL HIGHWAY ADMINISTRATION
DTFH6106D00023
CP ROAD MAP ADMINISTRATION SUPPORT: TASK ORDER #4
PROGRESS SCHEDULE TASK ORDER 4

Research Agency Concrete Pavement Technology Center/Iowa State University
Principal Investigator Tom Cackler

Professional Staffing Hours Worked Calculation						
Staff	Qtr Ending 12-31-10		Qtr Ending 03-31-11		Qtr Ending 6-30-11	
	Planned	Actual	Planned	Actual	Planned	Actual
Tom Cackler	50	42.66	60	64	60	68
Peter Taylor	75	69	100	103	100	110
Sharon Prochnow	34	25.5	33	38	33	30

FIG. A -- OVERALL PROJECT SCHEDULE



Funds Expended	75%
Contract Amount	<u>\$199,366</u>
Expended this Quarter	<u>\$62,945</u>
Total Exp. to Date	<u>\$149,405</u>
Balance	<u>\$49,961</u>