

**Quarterly Progress Report**  
**For the period October 1, 2010 to December 31, 2010**  
**ISU/FHWA Contract No. DTFH61-06-D-00023**

**Project Dates:** September 11, 2008 – March 31, 2011 (Task Order 3)  
November 1, 2010 – June 30, 2011 (Task Order 4)

**Project Title:** CP Road Map Administrative Support Contract  
(Task Order No. 3& 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: Yes  
Project is within budget: Yes  
Problems (current or anticipated): None

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

- Two MAP Briefs were developed:
  - Stringless Concrete Paving
  - Deleterious Chemical Effects of Deicing Solutions on Concrete Pavements
- Developed two monthly e-news which included state highlights from Pennsylvania (October 2010) and Washington (November 2010).
- Prepared and gave two presentations on the CP Road Map at the Fall 2010 ACI Convention.

**Interaction with Technical Monitor and/or Project Advisory Committee:**

- A conference call was held with FHWA technical and contract advisors, Ahmad Ardani, Dennis Sixbey, Lise Lyles to discuss the project tasks and timeline.
- The Sustainability Track Leadership conference call was held on December 8, 2010.

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

- For the following months a new edition of the e-News was developed and distributed which includes a MAP Brief. Subjects include:

**October**

- CPTP publishes tech brief on performance of sealed and unsealed concrete pavement joints
- Iowa research investigates the freezing-thawing durability of low-permeability concrete
- Louisiana research evaluates the durability of titanium dioxide photocatalyst coating for concrete pavement
- Quebec research documents three-year performance of continuously reinforced concrete pavement with glass fiber reinforced polymer bars

**November**

- Wisconsin research investigates standardized test procedures for evaluating deicing chemicals
- FHWA conducts interlaboratory study on measuring the coefficient of thermal expansion of concrete
- Wisconsin research evaluates open-graded base course with doweled and non-doweled transverse joints
- Research in Malaysia investigates construction and performance of recycled roller-compacted concrete pavements
- Toronto research evaluates performance of permeable pavements in cold climates
- Preparation began for the CP Road Map Executive Committee meeting scheduled for January 11, 2011 in Chicago, Illinois. The draft agenda and presentation were developed and discussed with the project team.
- Development of Task Order No. 3 Final Report began this month and will be finalized and distributed to FHWA early January 2011.

**Main emphasis for next quarter:**

- Continue to work to set up discussions for industry and DOT interaction
- Develop e-news and MAP Briefs for continued distribution
- Implement changes to the Design Track Leadership’s key areas of concentration and subcommittee membership as necessitated by the conference call of January 6, 2010.
- 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.
- The existing CP Road Map will be reviewed for realignment with current research needs particularly as it pertains to pavement preservation/rehabilitation and pavement foundations. The tracks will also be examined to determine if they need revisions and/or updating.

Task #	Task Description	Completion Date Expected/Actual	% of Task 4 Completed
A	Support Executive Committee & Pool Fund Committee	6/30/11	25%
B	Support Research Track Teams	6/30/11	25%
C	Conduct Communications and Outreach Activities	6/30/11	25%

**TASK 3 FINANCIAL REPORT**

**PROGRESS SCHEDULE TASK ORDER 3**

Research Agency Concrete Pavement Technology Center/Iowa State University FY 2011  
 Principal Investigator Tom Cackler Qtr 12/31/10

Professional Staffing Hours Worked Calculation														project extended Qtr ending 9-30-10	
Staff	Qtr Ending 12-31-08		Qtr Ending 03-31-09		Qtr Ending 6-30-09		Qtr Ending 9-30-09		Qtr Ending 12-31-09		Qtr Ending 03-31-10		Qtr Ending 6-30-10		
		Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual
Tom Cackler	41	0	41	40.99	41	61.5	41	86.35	82.83	74.54	82.83	61.28	82.83	48.06	128.97
Peter Taylor	50	0	50	49.98	50	74.98	50	74.98	78.32	70.13	78.32	100.5	78.32	26.1	38.04
Paul Wiegand	70.5	0	70.5	70.46	70.5	85.2	70.5	126.37	94.55	60.8	94.55		94.55		
Sharon Prochnow	46	0	46	45.99	46	68.99	46	72.43	10.33	10.3	10.33	11.12	10.32	8.62	

FIG. A -- OVERALL PROJECT SCHEDULE

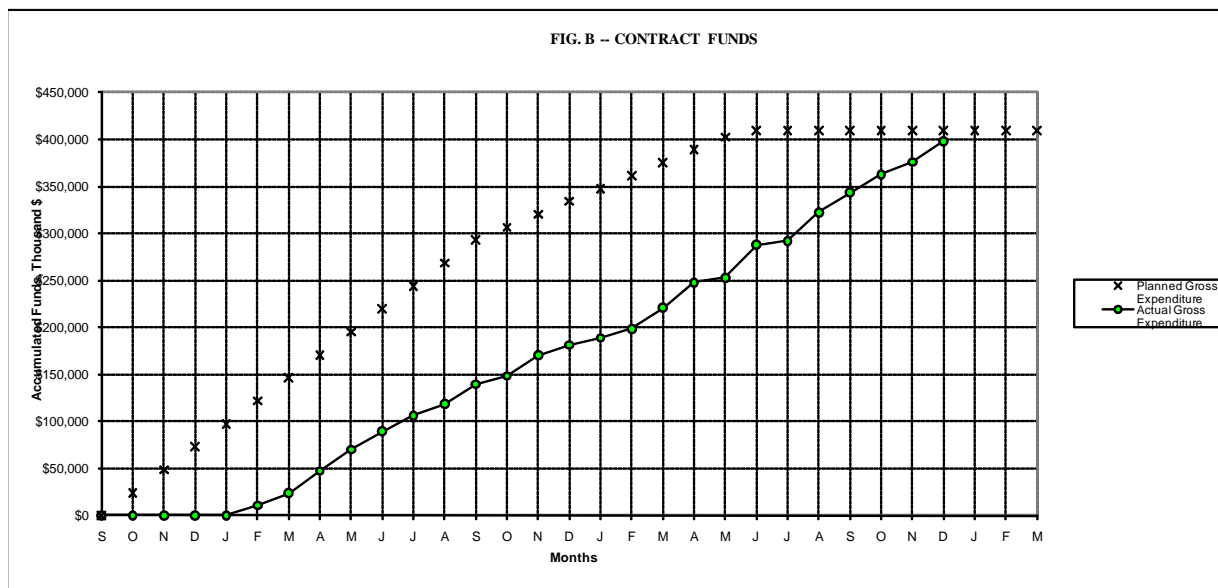


FIG. B -- CONTRACT FUNDS

Funds Expended	97%
Contract Amount	\$409,588
Expended this Quarter	\$32,765
Total Exp. to Date	\$398,320
Balance	\$11,268

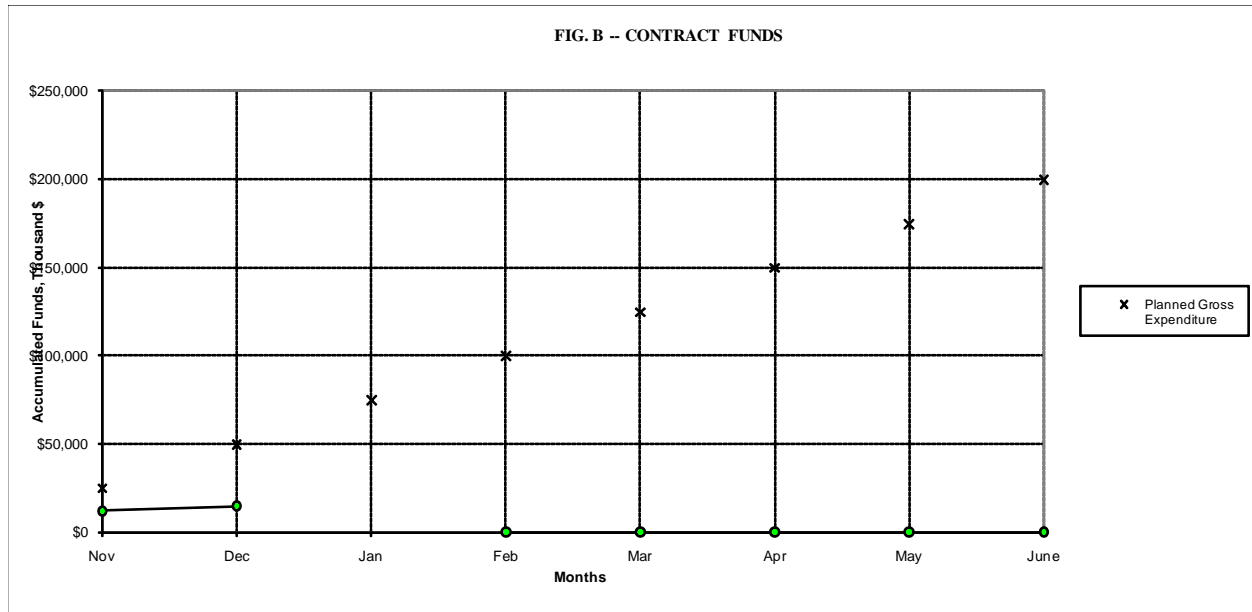
# TASK 4 FINANCIAL REPORT

## 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		60	
Peter Taylor	75	69	100		100	
Sharon Prochnow	34	25.5	33		33	

FIG. A -- OVERALL PROJECT SCHEDULE



Funds Expended	7%
Contract Amount	\$199,366
Expended this Quarter	\$14,742
Total Exp. to Date	\$14,742
Balance	\$184,624