

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): FHWA

INSTRUCTIONS:

Project Managers and/or research project investigators should complete a quarterly progress report for each calendar quarter during which the projects are active. Please provide a project schedule status of the research activities tied to each task that is defined in the proposal; a percentage completion of each task; a concise discussion (2 or 3 sentences) of the current status, including accomplishments and problems encountered, if any. List all tasks, even if no work was done during this period.

Transportation Pooled Fund Program Project # TPF-5(065)	Transportation Pooled Fund Program - Report Period: <input type="checkbox"/> Quarter 1 (January 1 – March 31) <input type="checkbox"/> Quarter 2 (April 1 – June 30) <input checked="" type="checkbox"/> Quarter 3 (July 1 – September 30) <input type="checkbox"/> Quarter 4 (October 1 – December 31)	
Project Title: Traffic Control Devices Pooled Fund Study		
Name of Project Manager(s): Jim Shurbutt, FHWA Bryan Katz, toXcel	Phone Number: (202) 493-3420 (202) 493-3388	E-Mail Jim.shurbutt@dot.gov bryan.katz@dot.gov
Lead Agency Project ID: TPF-5(065)	Other Project ID (i.e., contract #):	Project Start Date: October 1, 2002
Original Project End Date: N/A Continuing Effort	Current Project End Date:	Number of Extensions:

Project schedule status:

- On schedule
 On revised schedule
 Ahead of schedule
 Behind schedule

Overall Project Statistics:

Total Project Budget	Total Cost to Date for Project	Percentage of Work Completed to Date
\$3,220,074 (TOTAL) \$1,019,602 (FHWA) \$1,241,074 (FMIS + Lockbox up to FY 2008) \$1,979,000 (Delphi)		Ongoing Project (N/A)

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
No new projects allocated		Ongoing Project (N/A)

Project Description:

The purpose of the TCD PFS is to assemble a consortium composed of regional, State, local entities, appropriate organizations and the FHWA to 1) establish a systematic procedure to select, test, and evaluate approaches to novel TCD concepts as well as incorporation of results into the MUTCD; 2) select novel TCD approaches to test and evaluate; 3) determine methods of evaluation for novel TCD approaches; 4) initiate and monitor projects intended to address evaluation of the novel TCDs; 5) disseminate results; and 6) assist MUTCD incorporation and implementation of results.

Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):

Both the Delaware DOT and Montana DOT have been added as study partners.

Traffic Control Devices Pooled Fund Study Technical Support

- Received comments on ATSSA guide sign paper
- Presented ATSSA guide sign study for ATSSA annual meeting
- Continued providing support for general project support

Lane Line Markings in Advance of Lane-Reduction Transitions

Scenario development was completed and data collection began.

Intersection Conflict Warning Systems Human Factors Research

- Completed creation of videos for intersection simulations.
- Requested and received IRB approval for use of human subjects.
- Received 6 month extension on period of performance.
- Received contract modification to increase funding by \$42,000.
- Submitted signs to be tested for PFS member review. Added wordings recommended by NCUTCD.
- Demonstrated a draft version of videos on web-meeting with PFS members.
- Data collection began on September 9. To date 59 of 192 participants have been run. Sessions average 45 minutes.

Countdown Pedestrian Signal Legibility without Flashing Hand

- The Final Report for this project has been posted to the website.

Anticipated work next quarter:**Traffic Control Devices Pooled Fund Study Technical Support**

- Prepare project write-ups for upcoming projects
- Begin International Symbol Sign studies

Lane Line Markings in Advance of Lane-Reduction Transitions

- Data collection will be completed. Data analysis will begin.

Intersection Conflict Warning Systems Human Factors Research

- Data collection will be completed.
- Draft report will be submitted.

Significant Results:

Past projects have led to significant results and changes that were incorporated into the 2009 MUTCD, particularly from the Symbol Sign, Arrow Per Lane Guide Signs, and Roundabout Signing studies. Recent studies are being considered by the MUTCD for incorporation into the 2016 MUTCD.

Circumstance affecting project or budget. (Please describe any challenges encountered or anticipated that might affect the completion of the project within the time, scope and fiscal constraints set forth in the agreement, along with recommended solutions to those problems).

No challenges or problems encountered.

Potential Implementation:

All results from the Traffic Control Devices Pooled Fund Study are presented to the National Committee on Uniform Traffic Control Devices (NCUTCD) and are considered by FHWA for inclusion in subsequent MUTCD versions.