

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 checked="" type="checkbox"/> Quarter 1 (January 1 – March 31) <input type="checkbox"/> Quarter 2 (April 1 – June 30) <input 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)	\$2,626,004.91 (TOTAL) \$1,019,602 (FHWA) \$860,000 (FMIS) \$746,402.91 (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.):**Traffic Control Devices Pooled Fund Study Technical Support**

Leidos and Toxcel are continuing to plan for the 2015 annual meeting and have made travel arrangements for all attendees. Additionally, the team worked on the analysis of various guide sign designs as part of the original ATSSA guide sign project proposal.

Lane Line Markings in Advance of Lane-Reduction Transitions

The CADD Software Suite is being used to develop scenarios for participant testing.

Intersection Conflict Warning Systems Human Factors Research

Encountered several problems developing scenarios using Autodesk Design Suite. Worked with vendor to address performance and training issues.

Attended Enterprise PFS webinar on ICWS. Presenter was Ken Hansen of MnDOT.

Used ArcGIS and SHRP2 RID data to identify intersections suitable for modeling ICWS.

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

- Select the next round of projects.
- Continue tracking project funding and provide technical support to members and perform outreach on past and current projects as requested.
- Conduct Annual Meeting.

Lane Line Markings in Advance of Lane-Reduction Transitions

- Scenario development will be completed and participant data collection will begin.

Intersection Conflict Warning Systems Human Factors Research

- Scenario development will be completed and participant data collection will begin.

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).

Lane Line Markings in Advance of Lane-Reduction Transitions

Encountered several problems developing scenarios using Autodesk Design Suite. Worked with vendor to address performance and training issues.

Intersection Conflict Warning Systems Human Factors Research

Encountered several problems developing scenarios using Autodesk Design Suite. Worked with vendor to address performance and training issues.

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.