**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.*

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| **Transportation Pooled Fund Program Project #***TPF-5(316)* | **Transportation Pooled Fund Program - Report Period:**□Quarter 1 (January 1 – March 31)🗷Quarter 2 (April 1 – June 30)□Quarter 3 (July 1 – September 30)□Quarter 4 (October 1 – December 31) |
| **Project Title:****Traffic Control Devices Pooled Fund Study** |
| **Name of Project Manager(s):**Michelle Arnold, FHWABryan Katz, toXcel | **Phone Number:**(202) 493-3990(703) 754-0248 | **E-Mail**michelle.arnold@dot.govbryan.katz@dot.gov |
| **Lead Agency Project ID:**TPF-5(065) / TPF-5(316) | **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:

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|  **Total Project Budget** |  **Total Cost to Date for Project** |  **Percentage of Work**  **Completed to Date** |
| FY 2017 – $333,831.01FY 2018 – $115,000  | Ongoing Project (N/A) | Ongoing Project (N/A) |

***Quarterly*** Project Statistics:

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|  **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) | Ongoing Project (N/A) |

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| **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.  |

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| **Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):**Traffic Control Devices Pooled Fund Study Technical Support* Working on problem statements for new projects
* Tracking contributions
* Monitoring and reporting on current efforts
* Created Symbol Signs fact sheet and presentation

Evaluation of Selected Symbol Signs, Phase IV* Completed Data Analysis
* Submitted final reports for review
* Final reports published

**Signing for Intersection Geometrics that Require U-Turns*** Final workplan approved June 9, 2018.
* Created MUTCD compliant test signs in drawing package
* Data collection scheduled to begin August 20,2018

**Signing, in Combination with Markings, in Advance of Lane-Reduction Transitions*** Attended 2018 Annual Meeting
* Provided progress report at 2018 Annual Meeting
* Finalized stimuli after receiving feedback during Annual Meeting
* Began generating stimuli
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| **Anticipated work next quarter**:Traffic Control Devices Pooled Fund Study Technical Support* Continue tracking contributions
* Continue development of new problem statements based on new activities
* Continue planning for the 2018 Annual Meeting

Evaluation of Selected Symbol Signs, Phase IV* None – work is complete

**Signing for Intersection Geometrics that Require U-Turns*** Video record driving simulator computer animations for computer-based testing
* Prepare computer-based testing scripts
* Obtain final IRB approval with final versions of recruiting and testing questions
* Complete data collection in Minneapolis and College Station

**Signing, in Combination with Markings, in Advance of Lane-Reduction Transitions*** Finish stimuli development
* Begin pilot testing
* Make potential adjustments to stimuli after pilot testing
* Begin data collection
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| **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 next 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. |

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| **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. |