### **Transportation Pooled Fund Program**

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| **Project Title:** Traffic Analysis and Simulation Pooled Fund Study TPF-5(176)  Task 2 - Guidance on the level of effort required to conduct traffic analysis | | |
| **Project Manager and Phone Number:**  Erin Flanigan,Cambridge Systematics, Inc  301-347-0100 | **Project No:**  Task Order Number 7661.600 | Project is:  PLANNING  X R&D |
| **Reporting Period:**  Sept 2011 | **Multi Year Project**  FY 10, 11, 12 |  |
| **Description of Work Performed and Progress:**  This study will develop guidance/templates for State and local agencies, and consultants by demonstrating, through case studies and/or examples, the proper application of traffic modeling and simulation process, from cradle to grave; from system monitoring and problem identification through demand forecasting, into design and operational analysis and into deployment and Operations and Management resulting from the transportation decision. A boilerplate/template SOW will be developed so that State and local agencies can use in their RFPs to reflect the required level of effort and resources needed to effectively and efficiently carry out the work.  This project will enable agencies to scope projects properly and determine more realistic levels of effort required leading to better decisions on transportation improvement projects.  **Work Accomplished**   * The formatting and review of the completed portions of the Guidebook was conducted. Based on that review the following changes were worked on:   + Section 3.4 of the guidebook contains information on Case Studies that have been provided by contractors from around the country. After an initial draft of the section was developed it became apparent that additional follow up discussions were required. The primary information needed was the follow up on the project purpose and context, and whether the data collection hours provided included actual data collection or assembly of data. After this information was collected the Level of Effort was "re-analyzed" and the section was updated   + Chapter 4 (data Collection) content was revisited based on further review of the direction from the meeting minutes. Examples from the MNDOT manuals were explored and appropriate content was incorporated in chapter 4.   + Chapter 6 (calibration) content was revisited based on the direction from the March 6 meeting minutes and re-examination of the data results required modifications to chapter 6. The modifications included expanding the statistical analysis of the case study to 15 minute granularity. And expanding the discussion of the calibration process to incorporate more elements from the NHI course.   **Work Planned**   * Finalize Draft Report * Hold a webinar with the PFS members to present and discuss the draft report * Address and incorporate FHWA and PFS member comments in to the final draft * Prepare 508 captions and submit for HRT review and edits before publishing | | |
| **STATUS AND COMPLETION DATE**  Percentage of work completed to date for total project  Project is: \_75%  X on schedule behind schedule, explain: Schedule was rebase lined  Expected Completion Date: \_\_4/28/2012 \_ | | |

**Project Manager: Randy VanGorder**