### **Transportation Pooled Fund Program**

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| **Project Title:** Traffic Analysis and Simulation Pooled Fund Study TPF-5(176)  Task 3 - Highway Capacity Analysis Procedures for Alternative Intersections / Interchanges | | |
| **Project Manager and Phone Number:**  COR: Randy VanGorder, FHWA – 202-493-3266  PI: Ram Jagannathan, SAIC - 703-318-4693 | **Project No:**  T-13002 | Project is:  PLANNING  X R&D |
| **Reporting Period:**  January-March 2014 | **Multi Year Project**  FY13, 14, 15 |  |
| **Description of Work Performed and Progress:**  To develop Highway Capacity Manual (HCM) analysis procedures for evaluating capacity and quality of service of the double crossover diamond interchange (DCD) (aka, divergent diamond interchange (DDI), the displaced left turn (DLT), the median U-turn (MUT), and the restricted conflict U-turn (RCUT). These procedures or guides should include extensions of HCM methods to address gaps in the HCM relevant to the operations of these advanced intersection types. The analysis procedure and guide should be suitable for inclusion in Volume 4 of the 2010 HCM and be issued as an FHWA Traffic Analysis Document.  **Work Accomplished**  Start date of this task order was 4/4/2013 (end date 10/3/2015). The project is well ahead of schedule. All data collection efforts have been completed. The procedures/analysis methods were presented to the HCQS Committees at the January 2014 TRB meeting in Washington DC. The procedures and analysis methods were enthusiastically accepted by the Committees and the Committees recommended including the materials in the 2015 Highway Capacity Manual. The contractor is almost complete with all four procedures and is currently preparing the draft chapters for the HCM. The contractor is also preparing for the summer HCQS committee meeting. | | |
| **STATUS AND COMPLETION DATE**  Percentage of work completed to date for total project  Project is: \_80%  X on schedule behind schedule, explain:  Expected Completion Date: \_\_10/3/2015 – Contract is currently ahead of schedule \_ | | |

**Project Manager: Randy VanGorder**