### **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:**  TBD – Contract not awarded yet | **Project No:**  TBD | Project is:  PLANNING  X R&D |
| **Reporting Period:**  October-December 2012 | **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**  No work has been accomplished yet. The project is in the procurement stage. A statement of work was developed and distributed to the TAS PFS membership for review and approval. Approval was granted, and we moved forward to develop a procurement request that was submitted to our contracts office and the procurement process is underway. It should be noted that the original scope of this project was to only develop HCM guidelines for DCDs due to funding constraints from the TAS PFS. At a later time as funds would become available, we intended to proceed with similar guidelines for the other three alternative intersections. In order to save on repetitive administrative costs and capitalize on the synergies associated with procuring four separate but similar projects, we sought additional funds from FHWA. We were successful in our bid for the additional funds and thus the project was expanded to include the DCD, DLT, MUT, and RCUT. | | |
| **STATUS AND COMPLETION DATE**  Percentage of work completed to date for total project  Project is: \_0%  X on schedule behind schedule, explain: Schedule was rebase lined  Expected Completion Date: \_\_TBD – Contract not awarded yet (est 30 Months from Start of Award) \_ | | |

**Project Manager: Randy VanGorder**