**TRANSPORTATION POOLED FUND PROGRAM**

**QUARTERLY PROGRESS REPORT**

Date: \_\_\_\_\_\_\_Feb. 28, 2020\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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 #****NEW#: TPF-5(322) (Started 7/1/15)**OLD#: TPF – 5(029) (retired) | **Transportation Pooled Fund Program - Report Period:** Quarter 1 (January 1 – March 31) Quarter 2 (April 1 – June 30) Quarter 3 (July 1 – September 30) X Quarter 4 (October 1 – December 31) |
| **Project Title:****High Occupancy Vehicle (HOV)/Managed Use Lane (MUL)** |
| **Name of Project Manager(s):****Greg Jones** | **Phone Number:****404-895-6220** | **E-Mail:**GregM.Jones@dot.gov |
| **Lead Agency Project ID:** | **Other Project ID (i.e., contract #):** | **Project Start Date:** |
| **Original Project End Date:** | **Current Project End Date:****N/A** | **Number of Extensions:** |

Project schedule status:

X 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** |
| $140,000 currently available in the new account$507,000 in the old account to be transferred |  | 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** |
| N/A | No additional projects let | N/A |

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| **Project Description**:The pool fund effort was set up to combine multiple state resources to fund research in operational aspects of HOV andManaged Use Lane projects. The group sets priorities for the research budgets and FHWA contracts to have the research performed.**NOTE: The Project # was changed effective 7/1/15 from TFP-5(029) to TPF – 5(322). Funds under the old project** **Number will be closed out and all new contributions must go into the new project number. Contributions sent to** **the old project number will be returned.**Refund amounts for each active State are:CA - $75 K, FL - $22 K, GA - $130 K, MN - $119 K, NY - $51 K, VA - $23 K, WA - $87K |

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| **Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):**With all the projects originated under the old project number now completed. Efforts are underway to close out the old account and transfer funds to the new account number.**New research topic area priorities:**Two new research projects were let to contract in September 2019. These are:* **Synthesis of Emerging Technologies used on Managed Lane Facilities**
* **Synthesis of Best Practices for Developing Public Information to Advance Priced Managed Lane Facilities**

Both of these research efforts have started and are beginning to produce project documents.The Emerging Technologies study has completed the Global Review of Existing technologies report.The Synthesis of Best Practices has completed the Literature Review summary.December 29th, 2019 Quarterly Call summary: Attendees:* Greg Jones, USDOT
* Mark Leth, WSDOT
* Phil Peevy, Georgia DOT
* Dan Lamers, NCTCOG
* Lisa Klein, MTC
* Geoff Rick, New York State DOT
* Mia Zmud, CTRMA

Roundtable Discussion Topic – Occupancy DetectionLisa – MTCRecently completed a Phase I pilot field demonstration of occupancy detection. Gathered some good data, but felt like they needed more research to answer questions as to whether this was a viable technology due to the cost to deploy and the accuracy results in the pilot. Thus, they are moving to Phase II of the pilot which involves a request notice for the following:* Purchase and deploy a camera based system for a field demonstration using occupancy detection for automated enforcement at the Oakland Bay Bridge
* Development of an App based occupancy verification system
* An opportunity for vendor presentations on a transponder centric system for occupancy verification

Dan – NCTCOGDan updated that the Carma system that had been presented at one of our previous meetings was near the “go live” implementation point on 1/24/20. This system is App based with individual presence detection sensors for each member of the carpool. The back-office integration with the toll collection has been completed..Mark – WSDOTMark mentioned that they were going to relook at the HOV Bypass option for Ramp meters on their system. He also indicated that a grant proposal had been submitted that would include performance management data that could use automated occupancy data.Roundtable - Member Project Updates**Mia - CTRMA** – Mia provided information on various studies in the Austin area that involved Managed Lanes. These included:* Estimating fuel consumption benefits on Express Lanes
* Determining benefits for transit busses using the Express Lanes
* Results from use of the Metropia App for carpooling during major construction activities in Austin
* A survey/study of the driver experiences on using Express Lanes in Austin
* Inclusion of the MoPac Express Lane in wrong-way driving research

**Mark – WSDOT** – Mark provided information on the opening of the SR-99 Tunnel in downtown Seattle, that replace the viaduct section that was there before. The tunnel had been open for a few months, but the tolls began to be collected last week. The usage volumes were similar for the tunnel and viaduct before the tolls began. There was around a 25% drop in volumes once tolls began, but are expected to increase in time as the drivers understand the toll rates and requirements to use the tunnel. Construction has been let to build the southern portion of the I-405 Express Lanes. This will be a southern extension of the existing I-405 lanes, and will have 2 managed lanes in each direction.A new HOV facility was opened in the Tacoma area.Transition in Pooled Fund Study Support Contract Greg JonesGreg indicated that an Interagency agreement was in the works with the Vople Center for them to take over the Pool Fund support contract. It is hoped they will be able to start by early 2020 and can be on board by the next quarterly call. |
| **Anticipated work next quarter**:The next quarterly call will be held in March of 2020. The Synthesis for Best Practices for Public Information to Advance Priced Managed Lane projects will report at the call.It is anticipated that the Annual Meeting will be held during the Summer/Fall of 2020. Details will be discussed during the next Quarterly call. |

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| **Significant Results:**There have been 28 research efforts funded by this group that have helped advance the use of HOV and MUL projects throughout this country. |
| **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).**Contributions from the member states/agencies are being deposited into the new project number. All future funding for projects will go into this account.The Tennessee DOT has decided to drop out for now. |

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| **Potential Implementation:** It is anticipated that 2 research projects will be let during FY2020 (10/1/19-9/30/20).  |