3.2 CONGESTION MANAGEMENT PROCESS

OVERSIGHT Systems Performance, Operations, and Technology Subcommittee (SPOTS)

MAJOR PRODUCTS
- Congestion Management Process Technical Report
- VPDUG reference materials
- Documentation for FAST Act performance and target reporting requirements

This task develops and maintains the regional Congestion Management Process (CMP), providing information on current congestion on the region's roadways through data analysis, as well as identifying potential multi-modal strategies to manage congestion.

This task includes:

- Compile information and undertake analysis for the development of major CMP components, including application of available or emerging "big data" sources.
- Develop the FY 2020 CMP Technical Report.
- Produce the National Capital Region Congestion Report, released as a quarterly website "dashboard".
- Provide CMP technical input to the Performance-Based Planning task.
- Develop jurisdictional and/or corridor-based congestion profiles, using available data plus additionally procured data. Include related information such as Census and transit use.
- Produce special CMP analyses, such as following a major event, on an as-needed basis.
- Support the Vehicle Probe Data Users Group (VPDUG) in its role to foster technical and methodological coordination in the application of vehicle probe data by member agencies and jurisdictions.

3.3 SYSTEMS PERFORMANCE, OPERATIONS, AND TECHNOLOGY PLANNING

OVERSIGHT Systems Performance, Operations, and Technology Subcommittee (SPOTS)

MAJOR PRODUCTS
- Regional ITS architecture maintenance
- Regional surveys on traffic signal timing and power back-up systems
- Documentation for FAST Act performance and target reporting requirements

This task addresses requirements for Regional Transportation Systems Management and Operations (RTSMO) and related technology.

This task includes:

- Address FAST Act requirements related to technology and RTSMO; address RTSMO-related aspects of connected and autonomous vehicle technology and shared mobility developments.
- Maintain the Regional Intelligent Transportation Systems (ITS) Architecture.
- Address Traffic Incident Management (TIM) as it relates to metropolitan transportation planning and RTSMO.
- Organize and host a National Capital Region connected/autonomous vehicles symposium/workshop, including senior regional officials and subject matter experts; develop a white paper on how TPB should plan for CAVs.
- Address resiliency and reliability planning aspects of RTSMO, including developing a white paper on how the TPB should plan for the resiliency and reliability of the region's transportation system.
- Conduct regional surveys on traffic signal timing and power back-up systems.
- Support the regional Systems Performance, Operations, and Technology Subcommittee (SPOTS) and the Traffic Signals Subcommittee.

3.4 TRANSPORTATION EMERGENCY PREPAREDNESS PLANNING

OVERSIGHT   **COG Transportation Emergency Preparedness Committee in coordination with the Systems Performance, Operations, and Technology Subcommittee**

MAJOR PRODUCTS   • **Documentation pursuant to DHS and UASI requirements**

This task provides support and coordination for the transportation sector's role in overall regional emergency preparedness planning, in conjunction with the Metropolitan Washington Council of Governments (COG) Board of Directors and its public safety programs. This is a component of a much larger regional set of emergency preparedness activities funded primarily outside the UPWP by U.S. Department of Homeland Security (DHS) and COG local funding. The Regional Emergency Support Function #1 (R-ESF 1) Transportation Emergency Preparedness Committee, within the COG public safety committee structure, advises these efforts and coordinates with emergency management agencies, police, fire, and other emergency response committees.

This task includes:
- Undertake transportation emergency coordination and response planning through the emergency management and Homeland Security Urban Area Security Initiative (UASI) processes.
- Address Traffic Incident Management (TIM) as it relates to transportation emergency preparedness planning.
- Support the regional Transportation Emergency Preparedness Committee (R-ESF 1).