



# NATIONAL CAPITAL REGION

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## TRANSPORTATION PLANNING BOARD

### MEMORANDUM

**TO:** TPB Technical Committee

**FROM:** Eric Randall  
Department of Transportation Planning

**SUBJECT:** Briefing on the Implementation of the TPB Regional Priority Bus Project under the Transportation Investments Generating Economic Recovery (TIGER) Program

**DATE:** July 2, 2015

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This memorandum provides an update on the status of the projects funded by the Transportation Investments Generating Economic Recovery (TIGER) grant awarded to the TPB in February 2010 for *Priority Bus Transit in the National Capital Region*. The \$58 million grant has sixteen component projects being implemented on transit corridors across the District of Columbia, Maryland, and Virginia.

The TPB was briefed at their March 2015 meeting on the progress of the projects funded by the grant. At that meeting, TPB staff was asked to providing another update in May and a subsequent briefing in July. The May update was provided in a memo included in the Report of the Director (Item 5).

[Item 5 - Report with May 2015 Memorandum on the TIGER Grant](#)

The TIGER grant period of performance ends on September 30, 2016, which given invoice processing time means all of the work to be reimbursed by the grant should be completed by the end of June 2016. As of June 30, 2015 approximately \$27.8 million of the grant, or 47%, has been invoiced and reimbursed.

#### **TIGER Grant Project Progress Report**

The following progress has been reported by the five Project Owners: the City of Alexandria, Virginia; the District of Columbia Department of Transportation (DDOT); the Maryland Department of Transportation (MDOT); the Potomac and Rappahannock Transportation Commission (PRTC); and the Washington Metropolitan Area Transit Authority (WMATA).

City of Alexandria – Two projects (\$8.85 million: 94% reimbursed as of June 30, 2015)

1. **US 1 Transitway**
  - The Transitway opened for service in August 2014. Final invoices are being processed, following agreement on warranty items with the bus shelter manufacturer. This project is considered complete.
2. **Van Dorn-Pentagon Rapid Bus**
  - The *Transit Signal Priority (TSP) Project/Queue Jumps* construction contract was executed with the successful bidder in June and a kick-off meeting was held at the end of the month.

City staff is nearly complete with final design, while the technology for the project will be procured through an option in the DDOT TSP procurement. The City is working with WMATA to include real-time displays as part of the bus stops.

District DOT – Six projects: (\$13.09 million: 22% reimbursed as of June 30, 2015)

1. **16th Street**
  - The *Bus stop improvements* component is complete.
  - *Real Time Passenger Information (RTPI) display* installation in the District is complete (total: 120 displays in DC), with final testing and acceptance in progress.
  - *Transit Signal Priority (TSP) Project/Queue Jumps*: The first phase of the TSP and Queue Jumps procurement has been approved by Council, with the second phase scheduled to be taken up in September. Construction will start this summer.
2. **Georgia Avenue**
  - *Bus Stop Improvements, RTPI, and Transit Signal Priority/Queue Jumps* as above.
  - *Exclusive Bus Lane* construction contracts were awarded in April 2015. Construction preparations are scheduled to start in July and the project to be completed in mid-2016.
3. **H Street / Benning Road**
  - The *Security Cameras* installation is complete, awaiting final invoices.
  - *RTPI* as above.
4. **Wisconsin Avenue**
  - *RTPI and TSP* as above.
5. **14th Street Bridge to K Street**
  - *Traffic Signal Optimization*: DDOT implemented the new traffic signal timing plans for nearly 650 intersections in the downtown Washington DC core on Friday evening, April 24, 2015. Traffic conditions will continue to be monitored for several months to further improve traffic signal timing.
  - *Uninterruptable Power Supplies (UPS) for Signals* installation is complete, awaiting final invoices.
  - *TSP* as above.
6. **Theodore Roosevelt Bridge to K Street**
  - *Traffic Signal Optimization, UPS for Signals and TSP* as above.

Maryland DOT – Four projects: (\$14.12 million: 46% reimbursed as of June 30, 2015)

1. **Takoma/Langley Transit Center**
  - Construction of the steel structure of the transit center is in progress, to be followed by the glass canopy structure. Construction work is on track for an opening scheduled for October 2015.
2. **University Boulevard Corridor Enhancements**
  - The *Bus stop improvements* component is complete.
  - *Real Time Passenger Information (RTPI) display* installation is complete (total: 18 displays in MD), with final testing and acceptance in progress.
3. **US-1 Corridor Enhancements**
  - *Queue Jumps* final design is being completed by WMATA, which will then lead to procurement.
  - *TSP* design is also being completed by WMATA, while the technology for the project will be procured through an option in the DDOT procurement.
4. **Veirs Mill Corridor Enhancements**
  - *RTPI* as above.

PRTC – One project: (\$9.65 million: 88% reimbursed as of June 30, 2015)

1. **Buses and ITS Technology:**

- *Bus* procurement was completed in 2013 and *Security Camera* installation in 2011.
- The *Computer-Aided Dispatch and Automatic Vehicle Location (CAD/AVL)* system has been successfully installed on all vehicles with over 90% in full operation. Three milestones remain for payment, including fixing a farebox issue, receipt of final documentation, and final acceptance testing. A one year maintenance contract payment in early 2016 will complete the project.

WMATA – Three projects: (\$11.07 million: 3% reimbursed as of June 30, 2015)

1. **Addison Road**

- *Real Time Passenger Information (RTPI) display* installation is complete (total: 4 displays at WMATA stations in MD), with final testing and acceptance in progress.
- *Busbay* improvement work is complete.

2. **VA-7 (Leesburg Pike)**

- *Transit Signal Priority (TSP)* prototype intersection tests will take place along VA-7 at locations in Fairfax County (at a VDOT signal) and in the City of Alexandria in the next few weeks. Also in development is the operational readiness test procedure for installation of on-board software and fleet installation. WMATA will start TSP installation after the technical documentation has been reviewed, revised and finalized. All physical work is scheduled to be completed by September 30, 2015. The City of Falls Church still requires a signal upgrade prior to finalizing their MOU and agreeing on installation dates.

3. **Pentagon and Franconia-Springfield Station Improvements**

- The *Franconia-Springfield Station* construction was awarded in June. The intention is for construction to start this summer with a seven month work period.
- The *Pentagon Station* construction of pedestrian access, safety, and security improvements started in early May, with installation of guardrails already completed. Additional physical improvements will be installed in July once equipment arrives, while CCTV Cameras and PA system technology vendors will be selected for implementation later in the year.
- *Alternative Bus Bays at Army Navy Drive* - This project for a bus bay facility at the Hayes Parking Lot off Army Navy Drive will continue past the lifetime of the TIGER grant, which will fund only the first part of the project. The construction design submittal is due in July 2015, with award of construction in fall 2015 if funding is available.

Staff will update the Board on the status of the above projects and highlight any potential issues associated with the timely completion and utilization of the grant funds at the July 2015 meeting.