



MEMORANDUM

TO: TPB Technical Committee
FROM: Eric Randall, TPB Transportation Engineer
SUBJECT: Briefing on the Implementation of the TPB Regional Priority Bus Project under the Transportation Investments Generating Economic Recovery (TIGER) Program
DATE: November 25, 2015

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 and July 2015 meetings on the progress of the projects funded by the grant, in response to a request for periodic updates. A memorandum update was provided in May and September 2015, and a memorandum update will be provided for the December 2015 TPB meeting.

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 must be completed by the end of June 2016. As of November 25, 2015 approximately \$33.3 million of the grant, or 57%, has been invoiced and reimbursed.

Approximately \$2.5 million of additional work has been completed by contractors and manufacturers for the implementing agencies, but invoices have not yet been submitted to COG for federal reimbursement. Seven months remain in which to complete expenditure of the remaining \$23 million, followed by three months to complete invoicing and obtain federal reimbursement.

TIGER GRANT PROJECT PROGRESS REPORT

The following progress has been reported by the five implementing agencies: 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 November 25, 2015)

1. US 1 Transitway
 - The Transitway opened for service in August 2014. This project is complete.
2. Van Dorn-Pentagon Rapid Bus
 - The Transit Signal Priority (TSP) Project/Queue Jumps component is proceeding, with new traffic signal controllers received by the City in September. Programming and setting of parameters for the planned locations is in progress, to be followed by two to three weeks of field installation. The City is working with WMATA to include Real Time Passenger Information (RTPI) displays as part of the SuperStops component. Bids for

the SuperStops construction are under review for award, with construction beginning in February 2016.

District DOT – Six projects: (\$13.09 million: 39% reimbursed as of November 25, 2015)

1. 16th Street
 - The Bus Stop Improvements component is complete.
 - RTPI display installation in the District is complete (total: 120 displays in DC) along with final testing and acceptance. Due to an issue with ADA compliance, replacement Braille placards were installed at all locations. Display software was installed to change the text presentation for bus arrival times. WMATA is procuring a contract for future years operation and maintenance of the displays. Final invoices are being processed.
 - Transit Signal Priority (TSP) Project/Queue Jumps: In September DDOT completed installation of TSP wayside devices at 94 locations throughout the District. Onboard bus equipment is being installed by WMATA on 116 Metrobuses under an extension to this contract, which began this month and will continue through February. Operational testing will take place through June 2016. Development of the second phase contract for another 101 TSP devices is in progress, with the goal of completing this contract by July. Design of the queue jumps component is complete, and construction will be begin in the spring.
2. Georgia Avenue
 - Bus Stop Improvements, RTPI, and Transit Signal Priority/Queue Jumps as above.
 - Exclusive Bus Lane construction work is 26% complete, with installation of curbs and gutters, ADA sidewalk ramps, and electrical infrastructure. The contractor will shortly begin placement of new sidewalks. This project is expected to be completed in mid-2016.
3. H Street / Benning Road
 - The Security Cameras project is complete.
 - 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 in April 2015. Traffic conditions are being monitored to further refine traffic signal timing. The grant funded portion of the project is considered complete.
 - Uninterruptable Power Supplies (UPS) for Signals project is complete.
 - 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: 60% reimbursed as of November 25, 2015)

1. Takoma/Langley Transit Center
 - Construction of the steel structure of the transit center is complete, with some repairs completed in October. Glass canopy installation is underway. The center's final electrical power has been connected. Work to relocate a gas main by Washington Gas is underway, which will allow final construction elements to proceed. Completion of the center for handover to WMATA is anticipated around January 2016.
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). Final invoices are being processed.
3. US-1 Corridor Enhancements
 - SHA is requested the Queue Jumps and the TSP projects planned for this corridor be cancelled and the funds used for the transit center, in order to accelerate and more effectively use the grant funds. FTA review and approval is necessary before this can occur. The funds are proposed to be used for real-time information signs, security cameras, and a public address system at the Takoma-Langley Transit Center.
4. Veirs Mill Corridor Enhancements
 - RTPI as above.

PRTC – One project: (\$9.65 million: 88% reimbursed as of November 25, 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 and is in operation. Testing of automatic passenger counters (APCs) is ongoing. 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 mid-2016 will complete the project.

WMATA – Three projects: (\$11.07 million: 13% reimbursed as of November 25, 2015)

1. Addison Road
 - Real Time Passenger Information (RTPI) display installation is complete (total: 4 displays at WMATA stations in MD).
 - Busbay improvement work is complete.
2. VA-7 (Leesburg Pike)
 - Transit Signal Priority (TSP) installation is complete at 20 locations in Fairfax County and the City of Alexandria. The City of Falls Church requires a signal upgrade at the 5 intersection in the city prior to finalizing an MOU with WMATA and is working to finalize

the installation by February. The WMATA bus fleet of 8 buses has been equipped with the onboard equipment and began initial field testing in November. WMATA anticipates completing the project in March 2016.

3. Pentagon and Franconia-Springfield Station Improvements

- The Franconia-Springfield Station construction started in October with site clearance, utilities work, and foundation excavation, followed by concrete work in November. The fabrication of bus shelter canopies is taking place at the factory. The first bus canopy was installed on November 21, and installation will take place through the winter with work completed by March 2016. The remaining component is the construction of a bike cage, which has been delayed due to negotiations with the manufacturer. WMATA is evaluating the feasibility of this completing this component.
- The Pentagon Station construction of pedestrian access and safety improvements is largely complete, with lighting installed in October and security bollards in November. The security technology projects, CCTV Cameras and a PA system, have had vendors selected and pre-installation work is underway. WMATA anticipates completing all work by January 2016.
- Alternative Bus Bays at Army Navy Drive – WMATA is developing a revision request to the FTA to remove this project from the TIGER Grant. (NB. WMATA intends to submit for FY2017 NFTA funding for this project.) The TIGER grant funds would be used to provide additional improvements at the Franconia-Springfield station. FTA review and approval is necessary before this can occur.

Staff will again brief 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 January 2016 meeting.