



MEMORANDUM

TO: TPB Technical Committee
FROM: Eric Randall, TPB Transportation Engineer
SUBJECT: Update on the Implementation of the TPB Regional Priority Bus Project under the Transportation Investments Generating Economic Recovery (TIGER) Program
DATE: September 2, 2016

This memorandum provides a report on the implementation status and grant funding drawdown on the group of projects funded with federal Transportation Investments Generating Economic Recovery (TIGER) funds awarded to the TPB in February 2010.

The \$58.8 million TIGER grant program, as revised, has fifteen component projects being implemented on transit corridors across the District of Columbia, Maryland, and Virginia. There are 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). Table 1 lists the individual projects along with the budget and the lead agency responsible for project implementation.

IMPLEMENTATION AND FUNDING DRAWDOWN

As of September 1, 2016, twelve of the 15 projects are complete. Approximately \$56.6 million of the grant, or 96%, has been invoiced and has been or is in the process of being reimbursed. As of September 1, 2016, the three remaining projects have remaining a combined amount of about \$2.2 million (4%) in unexpended funds. This additional work has been essentially completed by contractors and manufacturers for the implementing agencies but invoices have not yet been submitted to COG for federal reimbursement.

The grant expires on September 30, 2016; however, September 27 is the final date on which federal funds can be accessed for reimbursement of project expenditures. Delayed invoicing could impact the ability to fully drawdown the funds by September 27. Unused funds will revert to the US Treasury.

REMAINING FUNDING

<i>Major Projects (Agency)</i>	<i>Total Budget</i>	<i>Remaining Funds</i>
Takoma Langley Transit Center (MDOT/MTA and WMATA)	\$14.4 million	\$600,000
Transit Signal Priority (DDOT, City of Alexandria and WMATA)	\$13.2 million	\$200,000
Pentagon and Franconia Springfield Stations (WMATA)	\$9.8 million	\$2.0 million

STATUS REPORT UPDATE

The TPB was briefed in January and in May 2016 on the progress of the projects funded by the grant, in response to a request for periodic updates. Memorandum updates were provided at intervening meetings. A final briefing will be given at an upcoming TPB meeting.

MAJOR PROJECT PROGRESS REPORT

Takoma/Langley Transit Center (MDOT/MTA)

The construction of the transit center is largely complete. WMATA accepted keys to the facility on August 18 from MTA. This kicked off a pre-operation period of 60-90 days, including additional work to install CCTV cameras, PA system, and information displays. These technology projects may not be completed within the lifetime of the TIGER grant, and might have to be paid out of other available funds. In addition, State Highway Administration will need to activate the traffic signals for bus access.

Transit Signal Priority (TSP) Project (WMATA, City of Alexandria and DDOT)

Transit Signal Priority (TSP) installation is complete along the various corridors/areas, and onboard bus equipment has been installed by WMATA on Metrobuses for each corridor. Operational testing continues and implementation and further refinement will become part of ongoing operations.

Pentagon and Franconia-Springfield Station Improvements (WMATA)

Work is completed at these two transit stations. At the Pentagon transit station, this included construction of pedestrian access, safety, and security improvements, station bus pads, lighting, perimeter fencing, security bollards, CCTV cameras and a PA system.

A ceremony for the work at the Franconia-Springfield transit station will be held on September 28. Work included the construction of new canopy and bus shelter structures and the installation of real time passenger information (RTPI) signs.

Table 1: NCR TIGER Priority Bus Transit Grant Project Component Descriptions
Following approved project revisions of August 19, 2016

#	Project Components (As Revised January 15, 2015)	Lead Agency	Budget
1	16th Street Bus Priority Improvements: Capital improvements include a queue jump lane, bus stop improvements, real time passenger information (RTPI) displays at 31 locations, and transit signal priority/traffic system management (left turn phase for bus) at 31 intersections.	DDOT	\$1,180,390
2	Georgia Avenue Bus Priority Improvements: Improvements included a short bus-only lane to alleviate current bus delays. Additionally, improvements include transit signal priority at 57 locations, bus stop improvements, queue jumps, and real time passenger information (RTPI) displays at 23 locations.	DDOT	\$5,854,262
3	H Street/Benning Road Bus Priority Improvements: This project implemented 28 RTPI displays and installed security cameras at select locations.	DDOT	\$447,109
4	Wisconsin Avenue Bus Priority Improvements : Capital improvements include transit signal priority at 42 locations and RTPI displays at 38 locations.	DDOT	\$1,310,953
5	Addison Road Improvements : This project included the replacement of bus shelters and installation of 5 real-time passenger information displays.	WMATA	\$213,789
6	University Boulevard Bus Priority Improvements: improvements included installation of 10 RTPI displays and a series of bus stop enhancements along the corridor.	MDOT	\$165,539
8	Veirs Mill Bus Priority Improvements: Improvements included deployment of 8 RTPI displays.	MDOT	\$84,103
9	US 1 Transitway: A bus transitway in the median of US 1 within the city limits provides exclusive right of way for buses.	City of Alexandria	\$8,202,500
10	VA 7 (Leesburg Pike) Bus Priority Improvements: Transit signal priority was installed at 25 intersections along the corridor.	WMATA	\$1,033,429
11	Van Dorn-Pentagon Rapid Bus: The project included 7 transit signal prioritization locations, including a queue jump lane. Two RTPI displays were also intalled.	City of Alexandria	\$602,597
12	Theodore Roosevelt Bridge to K Street Bus Priority Improvements: Implemented an integrated transit signal priority and traffic signal optimization system along E Street, northbound 18th Street, and southbound 19th Street. Additionally, uninterruptable power supply installation was installed at 20 select traffic lights to prevent traffic signal outages following power interruptions.	DDOT	\$1,574,827

#	Project Components (As Revised January 15, 2015)	Lead Agency	Budget
13	14th Street to K Street Bus Priority Improvements: Implemented an integrated transit signal priority and traffic signal optimization system along 14 th Street from the bridge to K Street. Additionally, uninterruptable power supply installation at 10 select traffic lights.	DDOT	\$2,478,374
14a	Pentagon and Franconia-Springfield Station Improvements: Station improvements at Pentagon Station and Franconia/Springfield Station, including bus bays, real time bus information, and traffic circulation/access/security improvements. Major technology improvements include 34 real-time bus information displays.	WMATA	\$9,831,332
14b	PRTC Buses and ITS Technology: This component included the replacement of 13 buses, with new vehicles using state-of-the-art clean-fuel technology. The project also includes security cameras outfitted on 15 buses and the procurement of computer-aided dispatch and automatic vehicle location (CAD/AVL) technology.	PRTC	\$9,637,664
TC	Takoma/Langley Transit Center: This transit center at the intersection of University Boulevard and New Hampshire Avenue consolidates the bus stops at the intersection into one facility (although some existing bus stops will still remain in order to prevent requiring pedestrians to cross busy roads to their final destinations). The transit center provides a safe, attractive, comfortable and efficient facility for passengers and improve pedestrian safety and accessibility.	MDOT	\$14,415,188
TOTAL CONSTRUCTION COSTS FOR 15 COMPONENT PROJECTS			\$57,022,056