National Capital Region
Transportation Planning Board

MEMORANDUM

TO: Transportation Planning Board

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 21, 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. With the deadline for fully expending the grant funds set at September 30 of this year, the board had asked to be briefed on the funding drawdowns for this group of projects.

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.

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

FUNDING DRAWDOWN STATUS UPDATE

The grant expires on September 30, 2016; however, September 23 is the final date on which federal funds can be accessed for reimbursement of project expenditures. As of September 21, approximately $56.4 million of the grant, or 96%, has been invoiced and reimbursed to the implementing agencies. Invoices for the remaining amount of the grant, about $2.4 million (4%), have been received and are being processed for the final submission for federal reimbursement. Staff anticipates the final invoices will be processed and the drawdowns completed by September 23.

PROJECT STATUS UPDATE

As of September 21, 2016, thirteen of the 15 projects are complete, and the two projects still in progress will be completed with other sources of funding.

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 90 days, including additional work to install CCTV cameras, PA system, and information displays. In addition, State Highway Administration

will need to activate the traffic signals for bus access. There will be an opening ceremony for the transit center, but this has not yet been scheduled.

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. Full deployment is anticipated by December 31, 2016.

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, repaving of roads, 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	$84,104
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	$1,024,227
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 14th Street from the bridge to K Street. Additionally, uninterruptable power supply installation at 10 select traffic lights.	DDOT	$2,478,373
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	$9,830,534
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	$9,638,036
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

FIGURE 1: MAP OF THE 15 COMPONENT PROJECTS OF THE NCR TIGER GRANT

The Regional Priority Bus Network

Priority Arterial Corridors

DC
1 16th St, Downtown to Wheaton
2 Georgia Ave from Archives to Silver Spring
3 H St / Benning Road, Minn. Ave to Franklin Sq.
4 Wisconsin Ave, Naylor Rd to Friendship Heights
5 Addison Rd, Southern Ave to Addison Rd station

MD
6 University Blvd, Bethesda to College Park
8 Veirs Mill Rd, Shady Grove to Silver Spring

VA
9 US 1 Transitway, Potomac Yard
10 VA 7, Alexandria to Tysons Corner
11 Van Dorn-Pentagon, via Shirlington

Express Bus on Bridges and Arterials
12 Theodore Roosevelt Bridge, I-66 to K Street
13 14th St Bridge, I-395 to K Street

Express Bus on Freeways
14 I-95/395, Pentagon to Dale City

◉ **Transit Center Projects**

⬭ Existing Metrorail

◎ Bus/Rail Transfers