

# Briefing on the Implementation of the TIGER Grant for Priority Bus Transit in the National Capital Region

TPB Technical Committee  
July 10, 2015

Project Implementation Update

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Department of Transportation Planning



# Overview of the TIGER Grant

- The TPB's Transportation Investments Generating Economic Recovery (TIGER) Grant Agreement with USDOT was signed on December 14, 2010.
  - \$58.8 million in capital funding (100% Federal) for priority bus transit improvements.
  - Sixteen component projects with five implementing organizations: City of Alexandria, DDOT, MDOT, PRTC, and WMATA.
- TPB last briefed on grant progress in March 2015.
  - Requested bi-monthly updates via alternating memos and presentations.
    - Memorandum update distributed at May 2015 meeting.

# Overview of the TIGER Grant

- **Progress to Date / Remaining**

	<u>To Date:</u>	<u>Remaining:</u>
Period of Performance:	Four years and six months (78%)	15 months to go (22%)
Actual/Anticipated Expenditures:	\$27.7 million (47%)	\$31.1 million (53%)

- **Project Status**

*Completed*

- PRTC Bus Purchase (13 Buses)
- US-1 (VA) / Potomac Yard Transitway
- Bus Stop Improvements
- Traffic Signal Uninterrupted Power Supply (UPS)

*In 2015*

- Real Time Passenger Info Displays (*installation complete*)
- Takoma/Langley Transit Center

*In 2016*

- Transit Signal Priority
- Bus Corridor Capital Projects
- Pentagon & Franconia-Springfield transit stations

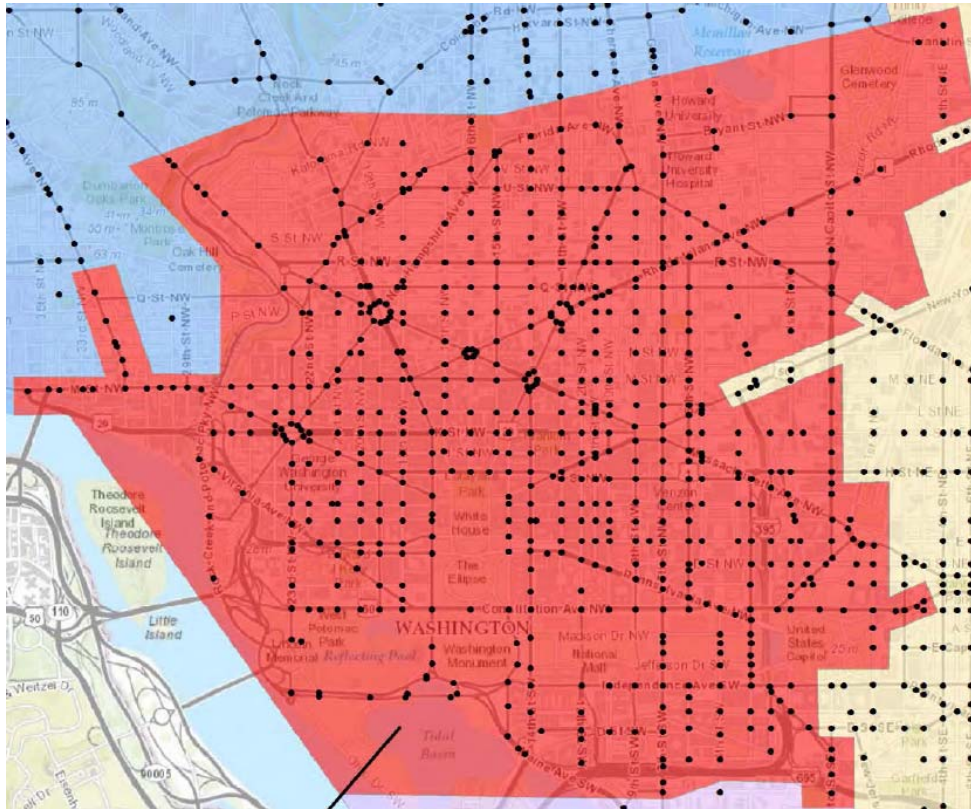
# TIGER Projects Nearing Completion

- **Buses and ITS (*PRTC*)**
  - Computer-Aided Dispatch and Automatic Vehicle Location (CAD/AVL) system installed on fleet. In final acceptance review.
- **Real Time Passenger Information (*DDOT, WMATA, MDOT, Alexandria*)**
  - Installation of 169 RTPI signs complete, awaiting final acceptance.
- **Takoma/Langley Transit Center (*MDOT*)**
  - Scheduled for opening in Fall 2015.



# TIGER Projects Nearing Completion

- **Signal Optimization in Downtown Core: (DDOT)**
  - DDOT implemented new traffic signal timing plans for the nearly 650 intersections in the downtown Washington DC core on April 24, 2015. (208 signals funded through TIGER).
  - Observed improvements in traffic and bus operations; adjustments continuing based on field investigations and public comments. Final report in preparation.



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## DDOT: Traffic Signal Timing Changes Save Drivers Time

By Marina di Marzo

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Updated at 8:58 AM EDT on Tuesday, Jun 16, 2015

Changes to traffic signal timing are saving drivers time, according to the D.C. Department of Transportation.

DDOT is attempting to cut down on driving time and improve traffic flow.

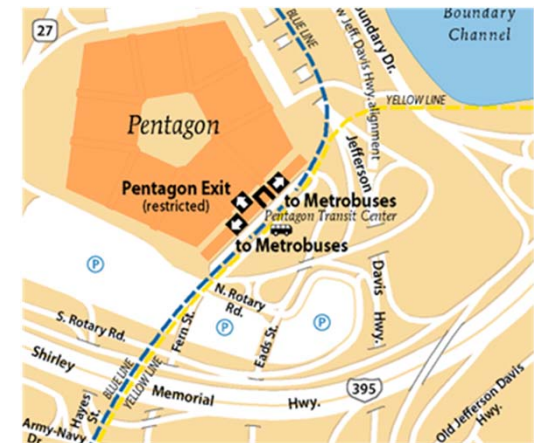
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# TIGER Projects Beginning Implementation

- **Bus Corridor Priority Treatments** (*DDOT, WMATA, MDOT, Alexandria*)
  - **Transit Signal Priority (TSP)**
    - Prototype deployment on VA-7 (Leesburg Pike) installed at two locations. Testing plan nearing completion. Following testing, installation will continue through 2016.
  - **Capital Improvements**
    - Georgia Avenue Bus-Only lane: May 2016
    - Van Dorn-Pentagon Queue Jumps and SuperStops: 2016.
    - US 1 (MD) TSP/Queue Jumps: 2016.
- **Pentagon and Franconia-Springfield stations** (*WMATA*)
  - Pentagon Transit Center: Guardrails, bomb resistant trash receptacles, and other access and safety & security treatments have begun installation and will continue through fall 2015.
  - TIGER will also fund partial construction of an alternative bus bay site on Army-Navy Drive, for which design is being finalized: 2016.
  - Franconia-Springfield: Site mobilization for bus stop canopies and additional safety improvements for pedestrians has started, with construction to begin in August 2015.



# Completing the TIGER Projects

Successful completion of the TIGER Projects still depends on successful accomplishment of several critical implementation steps.

## 1. Transit Signal Priority (TSP) Systems

- Procurement of wayside equipment is still in progress. Installing TSP Systems across multiple wayside traffic signal systems is technologically challenging and may experience delays.

## 2. Pentagon Transit Center - Army Navy Drive Bus bay project

- 100% design is being completed, with the issuance of the construction package expected August.
- TIGER is providing \$656,000 for the initial construction of this project; approximately 25% of the preliminary total cost of \$2.5 million. The remainder of the funding has yet to be finalized.

## 3. Funds Expiration and Performance Monitoring

- Work must be completed by the end of June 2016 to ensure timely invoicing before funds expire in September 2016.
- Performance monitoring and reporting on the grant projects will continue through 2018.

**Propose to provide memorandum update to the TPB in September and a briefing in November on progress of the TIGER Grant.**

# TIGER Grant for Priority Bus Transit in the National Capital Region

Questions?

