

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

Project Overview

Commuter Connections Subcommittee  
January 18, 2011

Eric Randall, DTP



# TIGER Project Status

- FTA - COG Grant Agreement signed December 14
  - Federal representative: US Secretary of Transportation, Ray LaHood
  - Counterparts from TPB and Project Owners: City of Alexandria, DDOT, MDOT, PRTC, and WMATA
- Subgrantee Agreements between COG and Project Owners also signed

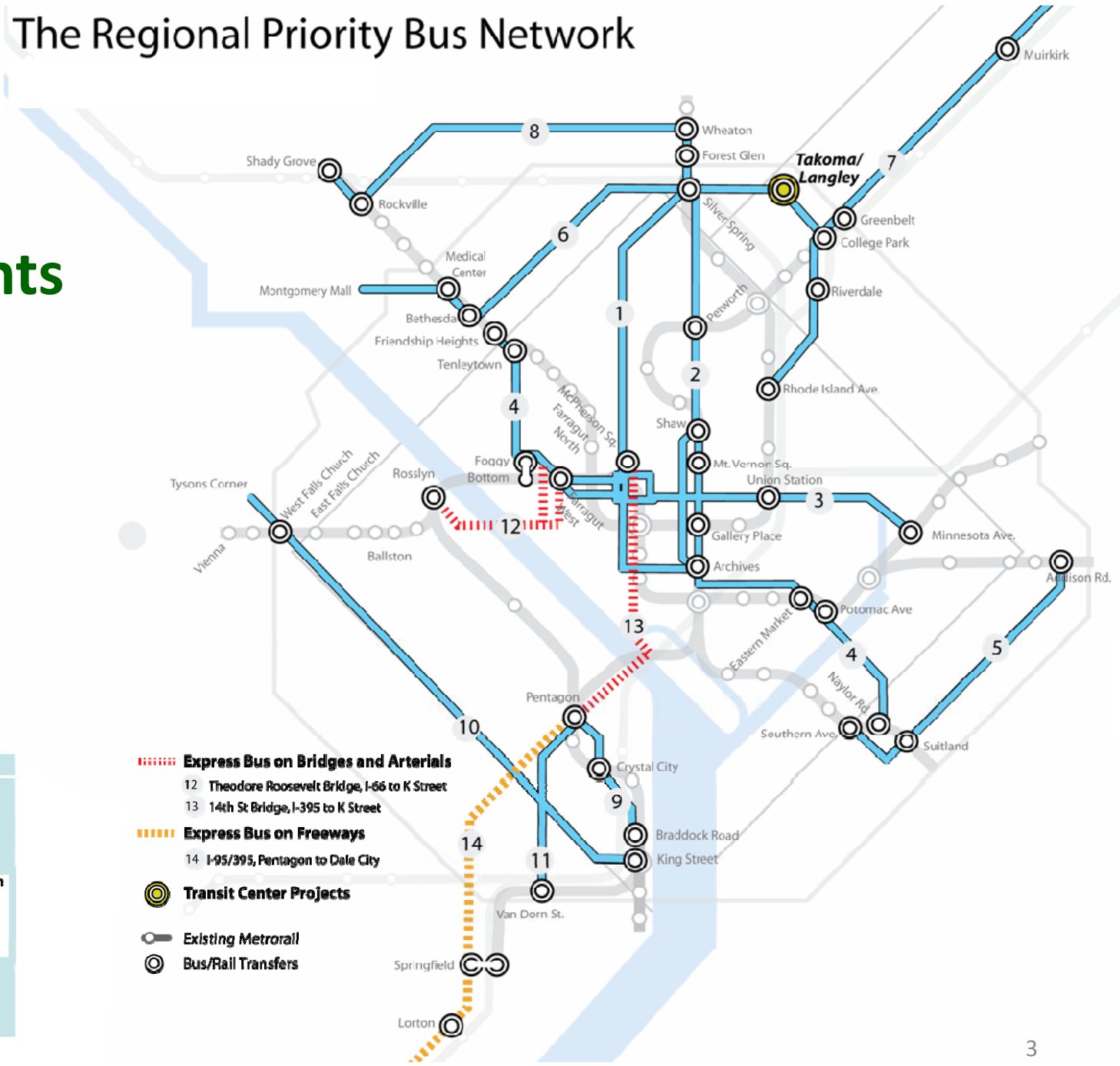


# The Regional Priority Bus Network

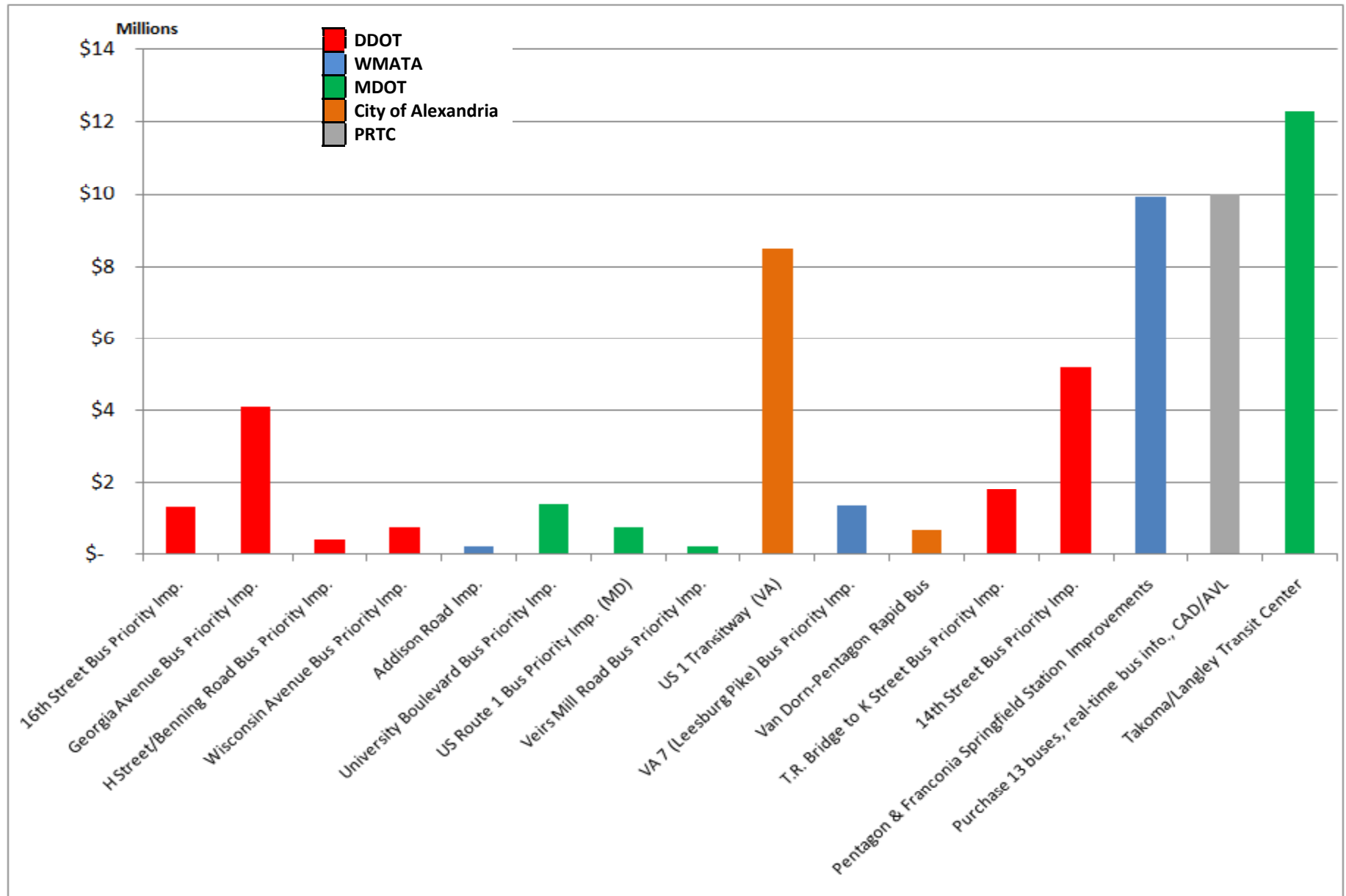
## TIGER Components

- Priority Arterial Corridors**
- 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
- 6 University Blvd, Bethesda to College Park
- 7 US 1, Laurel to Rhode Island Ave. station
- 8 Veirs Mill Rd, Shady Grove to Silver Spring
- 9 US 1 Transitway, Potomac Yard
- 10 VA 7, Alexandria to Tysons Corner
- 11 Van Dorn-Pentagon, via Shirlington

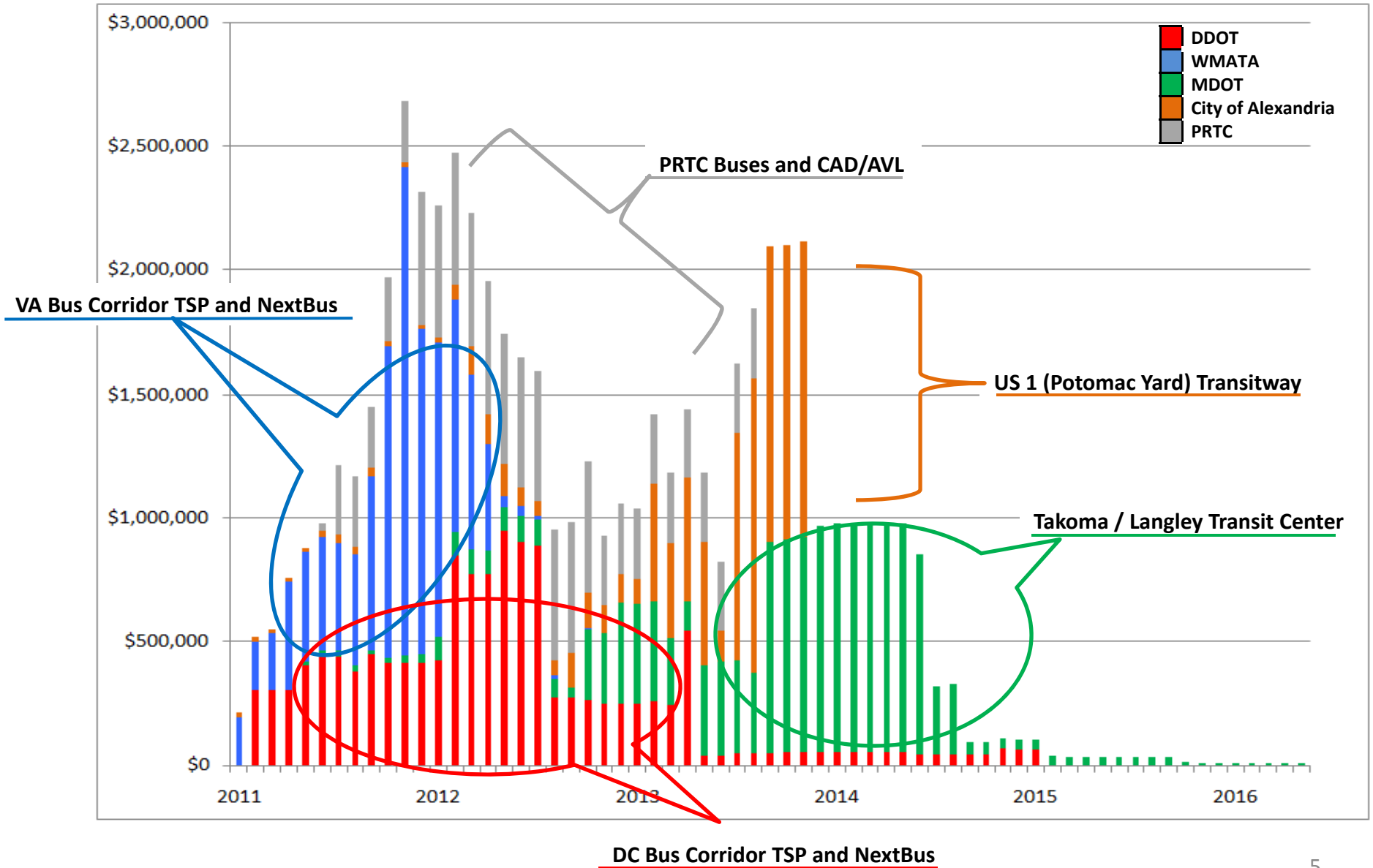
- Express Bus on Bridges and Arterials**
- 12 Theodore Roosevelt Bridge, I-66 to K Street
- 13 14th St Bridge, I-395 to K Street
- Express Bus on Freeways**
- 14 I-95/395, Pentagon to Dale City
- Transit Center Projects**
- Existing Metrorail**
- Bus/Rail Transfers**



# TIGER Grants by Sub-Recipient & Project



# TIGER Expenditure Schedule



# TIGER – Major Components

## 1. Takoma/Langley Transit Center

– \$12.3M                      Feb 2012 – Apr 2014

## 2. PRTC Buses and ITS

– \$10M                         Jan 2011 – Feb 2013

## 3. Pentagon and Franconia-Springfield Station Improvements

– \$9.9M                        May 2011 – May 2013

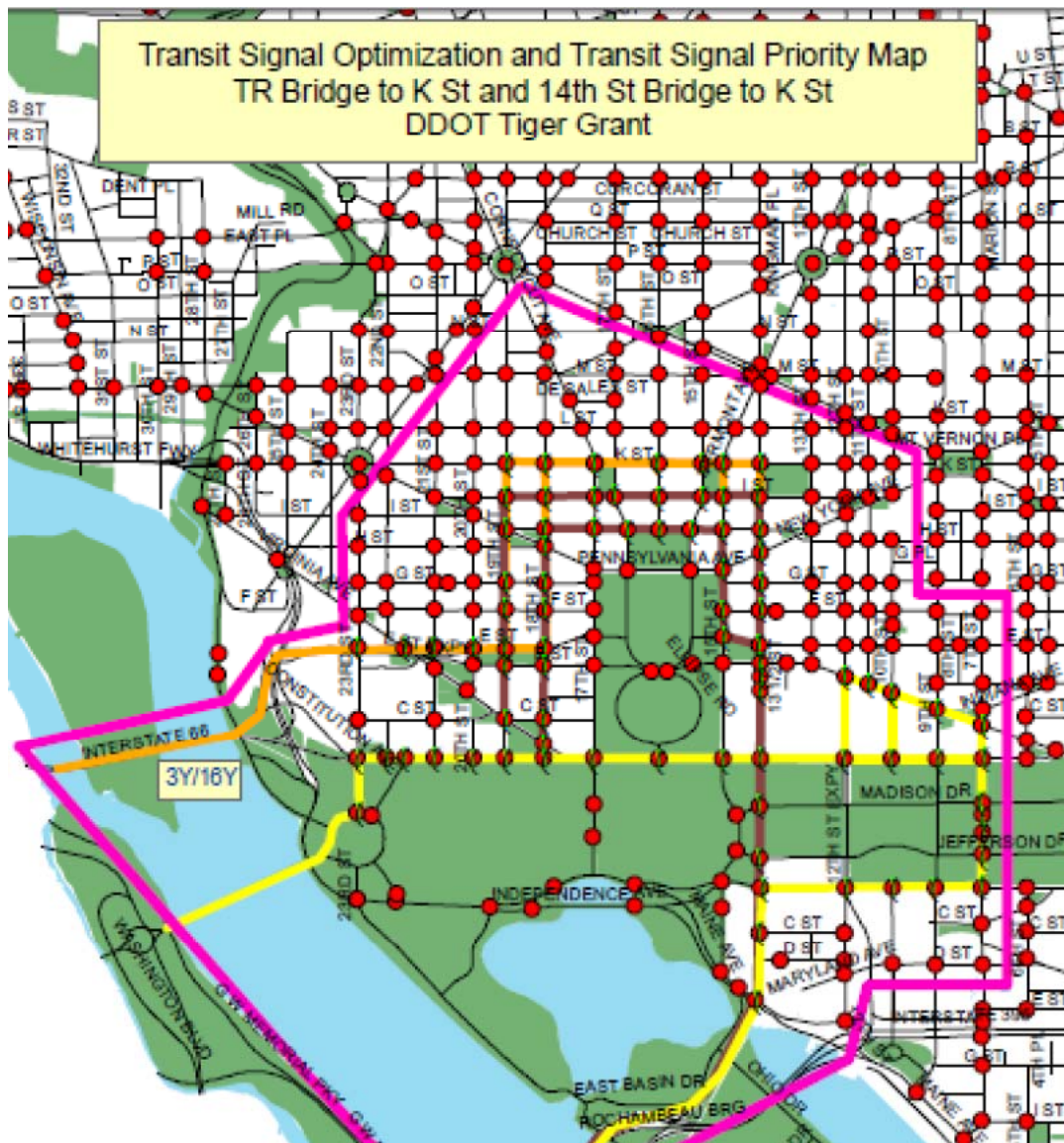
## 4. US-1 (VA) / Potomac Yard Transitway

– \$8.5M                        Sep 2011 – Oct 2013



# Signal Optimization & Prioritization

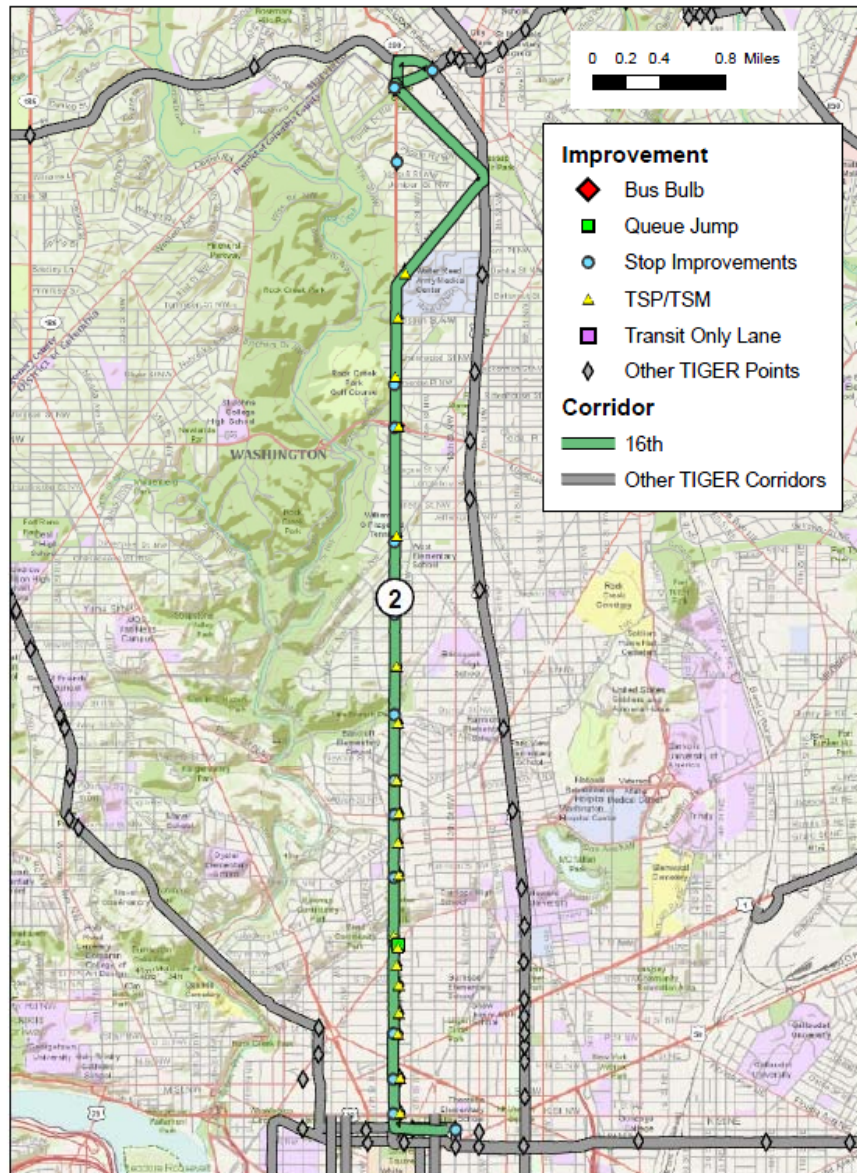
## TR Bridge and 14th Street Bridge to K Street



- 82 signals to be both optimized and prioritized
- 121 signals to be optimized
- Funding: \$3M
- Mar 2011 – Jun 2015

# Transit Signal Priority (TSP) on Bus Corridors

Metrobus TIGER Projects  
Corridor 2: S-Line - 16th Street NW



## TSP Locations

- 16<sup>th</sup> Street (6)
- Georgia Avenue (4)
- Wisconsin Avenue (5)
- University Blvd (20)
- US 1 - MD (7)
- Van Dorn / Beauregard (8)
- VA-7 / Leesburg Pike (27)

Approximately \$3.2M



# NextBus Real Time Passenger Information



- Initially for Metrobus
- Funding also for collecting and displaying local bus data

## Corridors

- 16<sup>th</sup> Street (30)
- Georgia Avenue (25)
- H St / Benning Rd (28)
- Wisconsin Avenue (40)
- Addison Road (14)
- University Blvd (19)
- Veirs Mill Road (25)
- VA-7 / Leesburg Pike (31)
- Pentagon and Franconia-Springfield Stations (13)

Approximately \$2.4M

# Other Improvements

- **Queue Jump Lanes**
  - University Blvd (4)
  - US-1 MD (7)
  - Veirs Mill Road (1)
  - Van Dorn – Beauregard (2)
- **Bus Only Lane**
  - Georgia Avenue: Florida Ave to Barry Place (~1/3 mile)
- **Shelter Improvements, Emergency Call Boxes, Signal power supplies, Curb extensions.**



# Anticipated Impacts of TIGER

## 1. Faster, More Reliable Buses

- Transit Signal Priority (TSP), Queue Jumps, and Bus Only Lanes will improve travel speeds and schedule adherence for buses.
- New buses, security cameras, and dispatch control will improve operations.

## 2. Bus Service Quality

- NextBus Real Time Information, Metrorail station access improvements, new Bus Bays and Bus Stop improvements, and the Langley / Takoma Transit Center will improve the quality of the bus customer experience.

## 3. Intersection Optimization

- Optimization of traffic signals and improved power supplies in the DC Core will improve overall person movement through busy intersections.

## 4. Safety

- The Langley / Takoma Transit Center will reduce bus customer crossings of two major arteries and improve customer safety.

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Questions?

