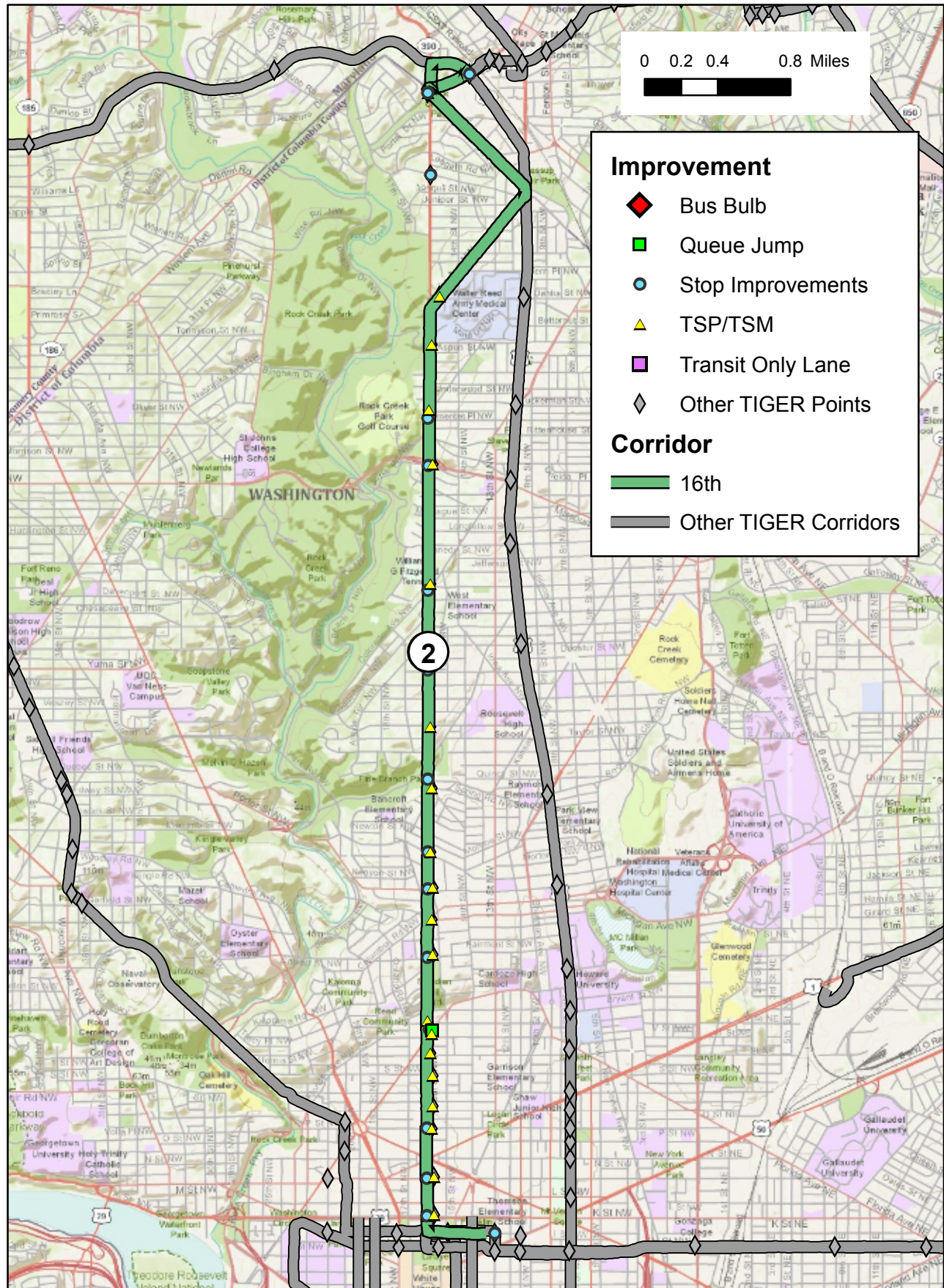


Metrobus TIGER Projects

Corridor 2: S-Line - 16th Street NW



Projects funded through Transportation Investments Generating Economic Recovery (TIGER) federal grant program.

			Budget	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12
1.0	16th Street Real-time Bus Information		\$316,000																				
		This project will provide real-time transit service information to users at 30 locations along the corridor. Additional information useful to riders includes: service disruptions or delays, public safety announcements, public service announcements, and upcoming service changes. Note: DDOT has an existing contract that provides for the installation of shelters, including an electrical power supply to operate NextBus equipment, as one task order. Location (# of shelters)																					
1.1	Silver Spring Metro Station (1)	Next Bus Information Display (Express bus bay)	DDOT	\$10,000																			
1.2	Eastern Avenue (2)	Next Bus Information Display	DDOT	\$20,000																			
1.3	Kalmia Road (2)	Next Bus Information Display	DDOT	\$20,000																			
1.4	Sheridan Street (SB) and Somerset Plance (NB) (2)	Next Bus Information Display	DDOT	\$20,000																			
1.5	Missouri Avenue (2)	Next Bus Information Display (Express bus bay)	DDOT	\$20,000																			
1.6	Colorado Avenue (2)	Next Bus Information Display	DDOT	\$20,000																			
1.7	Buchanan Street (2)	Next Bus Information Display	DDOT	\$20,000																			
1.8	Spring Road (NB) (1)	Next Bus Information Display	DDOT	\$10,000																			
1.9	Park Road (2)	Next Bus Information Display	DDOT	\$20,000																			
1.10	Irving Street/Columbia Road (2)	Next Bus Information Display	DDOT	\$20,000																			
1.11	Euclid Street (2)	Next Bus Information Display	DDOT	\$20,000																			
1.12	U Street (2)	Next Bus Information Display	DDOT	\$20,000																			
1.13	P Street (2)	Next Bus Information Display	DDOT	\$20,000																			
1.14	M Street (2)	Next Bus Information Display	DDOT	\$20,000																			
1.15	K Street (2)	Next Bus Information Display	DDOT	\$20,000																			
1.16	McPherson Square (I Street between 13th and 14th) (2)	Next Bus Information Display (Express bus bay)	DDOT	\$10,000																			
1.17	All stop locations																						
	1.17a	New Information cases	WMATA	\$10,000																			
	1.17b	New Schedules	WMATA	\$8,000																			
	1.17c	New System Maps	WMATA	\$8,000																			
2.0	Real Time Bus Information Prototype Development		\$414,000																				
		This project will develop the software and hardware requirements needed for DDOT to successfully manage the data feeding the real-time bus information facilities in bus shelters. The project will incorporate bus service data from all jurisdictions along the corridor and is necessary in order to provide users with information above and beyond WMATA service including service provided by DC Circulator, Maryland Transit Administration commuter buses, and other jurisdictional transit services that cross into the District. NextBus service alone will provide the bare minimum of usefulness to users, but this project element will fully enhance the user experience and is adaptable to future growth and technology.																					
2.1		Define technology and technical requirements	DDOT	\$50,000																			
2.2		Procure software and hardware, begin testing	DDOT	\$182,000																			
2.3		Complete testing and implement service	DDOT	\$182,000																			
3.0	16th Street Transit Signal Priority		\$400,000																				
		This project is a partnership between DDOT and WMATA designed to enhance bus movement along the corridor. DDOT will invest in signal and signal systems upgrades and WMATA will invest in bus-based equipment designed to interact with DDOT signal system infrastructure. DDOT will be able to upgrade up to 6 intersections and WMATA will be able to install TSP equipment on up to 14 buses.																					
3.1	RFP Development and Consultant Selection	DDOT/WMATA	\$5,000																				
	3.1a	Acceptance Testing and Approvals	Consultant	\$1,000																			
	3.1b	Design Specifications	Consultant	\$1,000																			
	3.1c	Performance Specifications	Consultant	\$2,000																			
3.2	Agency Coordination	Consultant	\$4,000																				
	3.2a	Agency Coordination	Consultant	\$4,000																			
	3.2b	Stakeholder Workshop	WMATA	\$4,000																			
	3.2c	Intergovernmental Agreements/Memorandums of Understanding	WMATA/DDOT	\$4,000																			
3.3	Signal System Design																						
	3.3a	Preliminary Scoping of Intersections	DDOT	\$1,500																			
	3.3b	Field Review for System Requirements	DDOT	\$5,000																			
	3.3c	Scope Refinement	Consultant	\$1,500																			
	3.3d	Existing Signal Timing Review	Consultant	\$2,500																			
	3.3e	TSP Timing Development	Consultant	\$7,500																			
	3.3f	TSP Detection Setting Development	Consultant	\$5,000																			
	3.3g	Intersection Device Design Drawings	Consultant	\$12,000																			
3.4	Procurement from Vendor(s)																						
	3.4a	Construction Details	Consultant	\$9,000																			
	3.4b	Design Specifications	Consultant	\$3,500																			
	3.4c	Equipment Delivery	Consultant	\$1,500																			
3.5	Installation																						
	3.5a	Construction Management	Consultant	\$6,000																			
	3.5b	Vendor System Design	Consultant	\$1,500																			
	3.5c	Signal System Equipment Upgrades	Vendor	\$134,000																			
	3.5d	Transit Vehicle Equipment Upgrades	Vendor	\$100,000																			
	3.5e	Timings Deployment	DDOT	\$5,000																			
	3.5f	System Integration Testing	Consultant	\$10,000																			
	3.5g	System Acceptance Testing	Consultant	\$10,000																			
	3.5h	Complete System Installation	Vendor	\$6,000																			
3.6	Performance Evaluation																						
	3.6a	Develop Performance Metrics	Consultant	\$4,000																			
	3.6b	Before Data Collection	Consultant	\$7,500																			
	3.6c	After Data Collection	Consultant	\$7,500																			
	3.6d	Data Analysis and Reporting	Consultant	\$15,000																			
3.7	Documentation																						
	3.7a	Signal System Design Tech memo	Consultant	\$5,000																			
	3.7b	Performance Evaluation Tech memo	Consultant	\$5,000																			
	3.7c	System Deployment Tech memo	Consultant	\$5,000																			
	3.7d	Final Report	Consultant	\$6,000																			
	3.7e	Lessons Learned	Consultant	\$2,500																			
4.0	16th Street Curb Extensions		\$165,000																				
		This project will increase the amount of space available to riders boarding or alighting buses. Many locations are restricted and meet minimum space clearance requirements. Improvement locations will be prioritized based on ridership and transfer information as well as constructability factors. A sample site plan is included in the scope.																					
4.1	Site Analysis / Design	WMATA/DDOT	\$25,000																				
4.2	Installation (up to 5 curb extensions)	DDOT	\$140,000																				
TOTAL TIGER GRANT AWARD - 16TH ST NW BUS PRIORITY IMPROVEMENTS				\$1,295,000																			