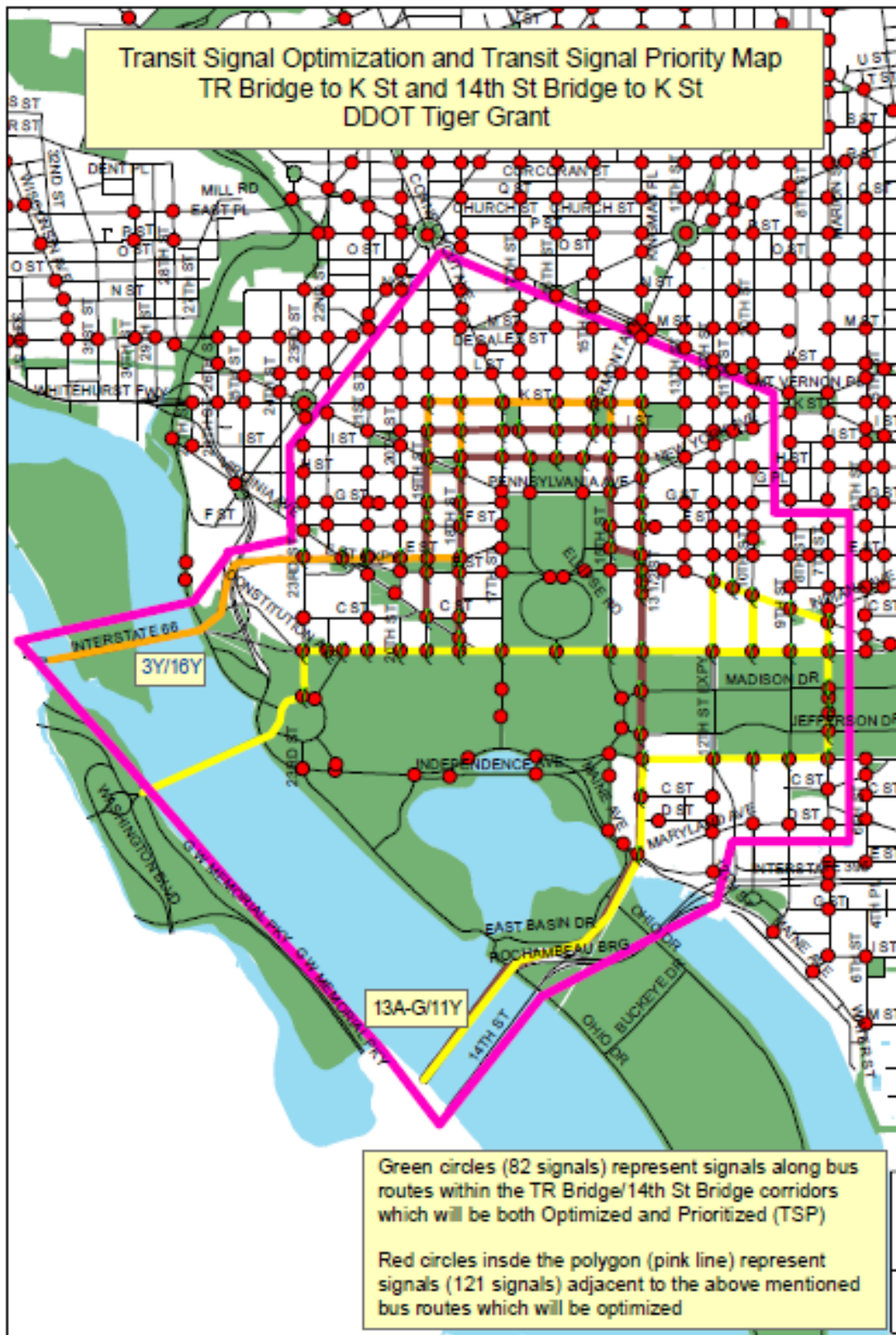


Project 13 – T. Roosevelt Bridge to K Street

Project 14 – 14th Street Bridge to K Street

Traffic Signal Optimization Map



				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	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12
1.0	TR Bridge to K St - Traffic Signal Optimization																												
1.1	This project will allow DDOT to optimize the signal system from the TR Bridge to K St via E St, 18th St, and 19th St. This will improve bus movement along the corridor leading to the downtown core. A map of the intersections is provided in the scope.			DDOT																									
1.1a	Project Management / Coordination																												
1.1b	Data Collection																												
1.1c	Evaluation of Clearance Intervals																												
1.1d	Volume Balancing																												
1.1e	Network Setup																												
1.1f	Timing Plan Development and Optimization																												
1.1g	Timing Plan Implementation																												
1.1h	Project Evaluation																												
1.1i	Project Documentation																												
Note: Will improve approximately 261 intersections.																													
2.0	TR Bridge to K St - Transit Signal Priority																												
2.1	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 24 intersections and WMATA will be able to install TSP equipment on up to 30 buses.			DDOT/WMATA																									
2.1a	RFP Development and Consultant Selection			DDOT/WMATA																									
2.1a	Acceptance Testing and Approvals			Consultant/DDOT																									
2.1b	Design Specifications			Consultant/DDOT																									
2.1c	Performance Specifications			Consultant/DDOT																									
2.2	Agency Coordination			Consultant																									
2.2a	Agency Coordination			Consultant																									
2.2b	Stakeholder Workshop			WMATA/Consultant																									
2.2c	Intergovernmental Agreements/Memorandums of Understanding			WMATA/DDOT																									
2.3	Signal System Design			DDOT																									
2.3a	Preliminary Scoping of Intersections			DDOT																									
2.3b	Field Review for System Requirements			DDOT																									
2.3c	Scope Refinement			Consultant/DDOT																									
2.3d	Existing Signal Timing Review			Consultant/DDOT																									
2.3e	TSP Timing Development			Consultant/DDOT																									
2.3f	TSP Detection Setting Development			Consultant/DDOT																									
2.3g	Intersection Device Design Drawings			Consultant/DDOT																									
2.4	Procurement from Vendor(s)			Consultant/DDOT																									
2.4a	Construction Details			Consultant/DDOT																									
2.4b	Design Specifications			Consultant/DDOT																									
2.4c	Equipment Delivery			Consultant																									
2.5	Installation			Consultant/DDOT																									
2.5a	Construction Management			Consultant/DDOT																									
2.5b	Vendor System Design			Consultant/DDOT																									
2.5c	Signal System Equipment Upgrades			Vendor/DDOT																									
2.5d	Transit Vehicle Equipment Upgrades			Vendor/WMATA																									
2.5e	Timings Deployment			DDOT																									
2.5f	System Intregation Testing			Consultant/DDOT																									
2.5g	System Acceptance Testing			Consultant/DDOT																									
2.5h	Complete System Installation			Vendor/DDOT																									
2.6	Performance Evaluation			Consultant																									
2.6a	Develop Performance Metrics			Consultant																									
2.6b	Before Data Collection			Consultant																									
2.6c	After Data Collection			Consultant																									
2.6d	Data Analysis and Reporting			Consultant																									
2.7	Documentation			Consultant																									
2.7a	Signal System Design Tech memo			Consultant																									
2.7b	Performance Evaluation Tech memo			Consultant																									
2.7c	System Deployment Tech memo			Consultant																									
2.7d	Final Report			Consultant																									
2.7e	Lessons Learned			Consultant																									
3.0	TR Bridge to K St - UPS Installation																												
Uninterruptible Power Supplies (UPS) function as a separate source to maintain a continuous supply of electricity whenever commercial power is not available and thus prevent traffic signals from going dark or into the flashing mode following power interruptions. Maintaining the signals' red-yellow-green operation reduces the problems with traffic congestion and safety. Interruption of power is a common phenomenon in the District and therefore installation of UPS devices at the critical intersections in select corridors would improve overall bus operations as well.																													
TOTAL TIGER GRANT AWARD - TR BRIDGE TO K ST BUS PRIORITY IMPROVEMENTS																													