



District Department of Transportation



Reconstruction & Resurfacing of New Hampshire Avenue *Construction*

District Department of Transportation (DDOT)

August 29, 2012

Stakeholders Meeting

Agenda

Welcome

Planning Study Overview

Presented By: *Richard Kenney*

Construction Project Overview

Presented By: *AECOM- Joseph Chukwueke*

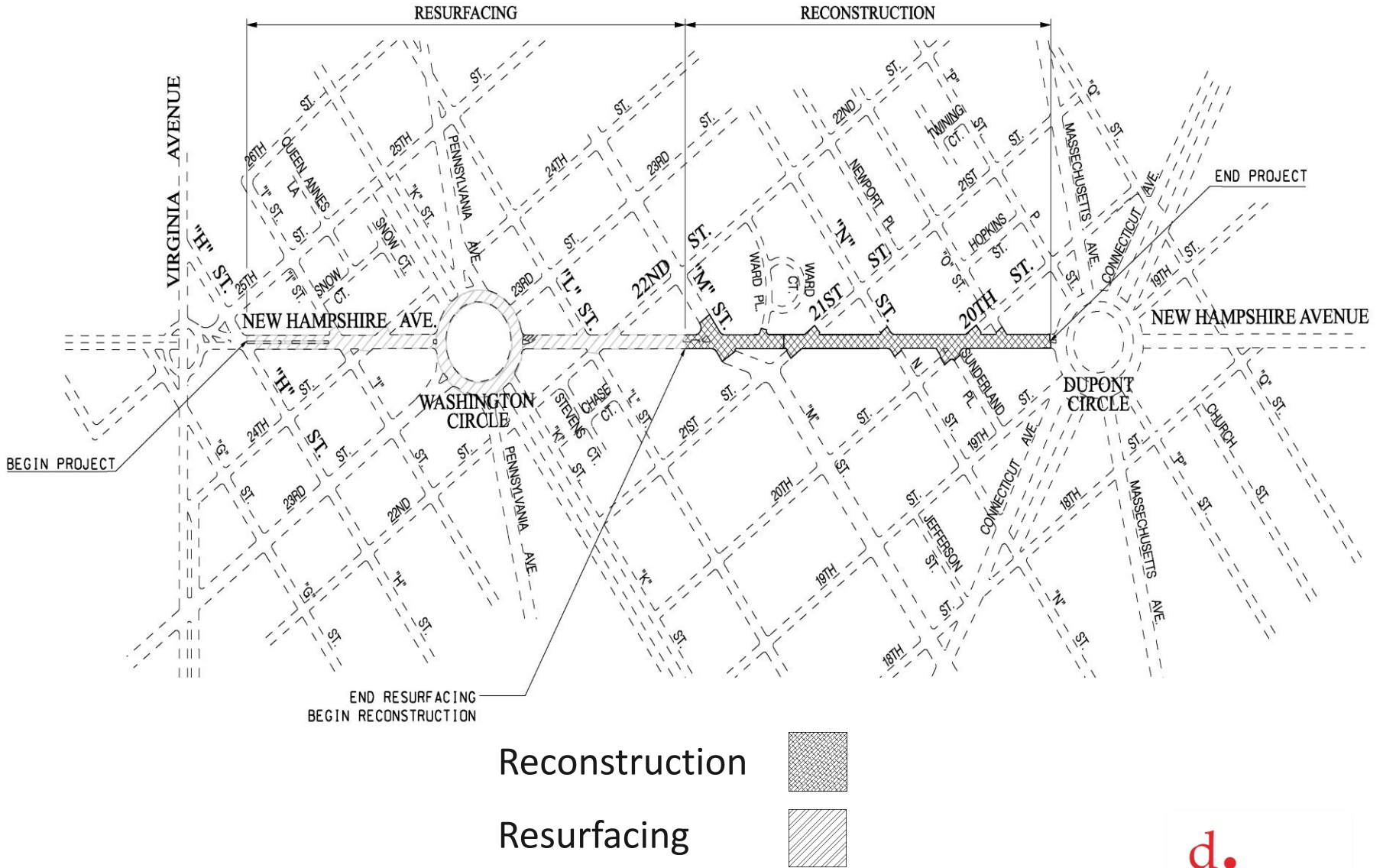
Public Involvement Effort Updates

Presented By: *Capitol Services Management, Inc.- Ian Swain*

New Hampshire Avenue Reconstruction/Resurfacing Project

- Historical Overview & Perspective
- Construction Details
- Project Schedule

Project Boundaries



Project Goals and Objectives

DDOT's New Hampshire Avenue Project seeks to:

- Improve Safety, Accessibility and Mobility
- Reconstruct/Resurface deteriorated pavement along New Hampshire Avenue
- Enhance the Community Streetscape through a design that is safe, sustainable and enriching

Historical Overview

Project Development

- Initial scope of work included resurfacing of New Hampshire Avenue from Virginia Avenue to Washington Circle & Reconstruction of New Hampshire Avenue from Washington Circle to Dupont Circle – February 2005
- Preliminary plans (30%) submitted – January 2006
- Washington Circle Pedestrian-Vehicle Traffic Study was added to the scope
- The study was completed with development of two alternatives for crosswalk layout in Washington Circle after meetings with NPS, ANC, and DDOT
- The recommendations from this study were incorporated into this project
- Intermediate Plans (65%) submitted – March 2010
- The New Hampshire Avenue between M Street and Washington Circle made two-way

Historical Overview

Project Development

- The 22nd & K Street project was added to the New Hampshire Avenue project Final Review plans submitted – January 2011
- PS&E submitted – July 2011
- Final Bid Documents submitted – September 2011
- Project advertised and Contractor selected
- Meeting held with CFA, DDOT, NPS and other agencies regarding modification to Washington Circle
- The Washington Circle modifications were required following this meeting along with traffic analysis around Washington Circle

Historical Overview

DDOT New Hampshire Ave Case Study

DDOT conducted studies in 2006 to 2010 to attain the designs intended to provide a pedestrian friendly environment while adequately serving vehicular traffic at 'Washington Circle'.

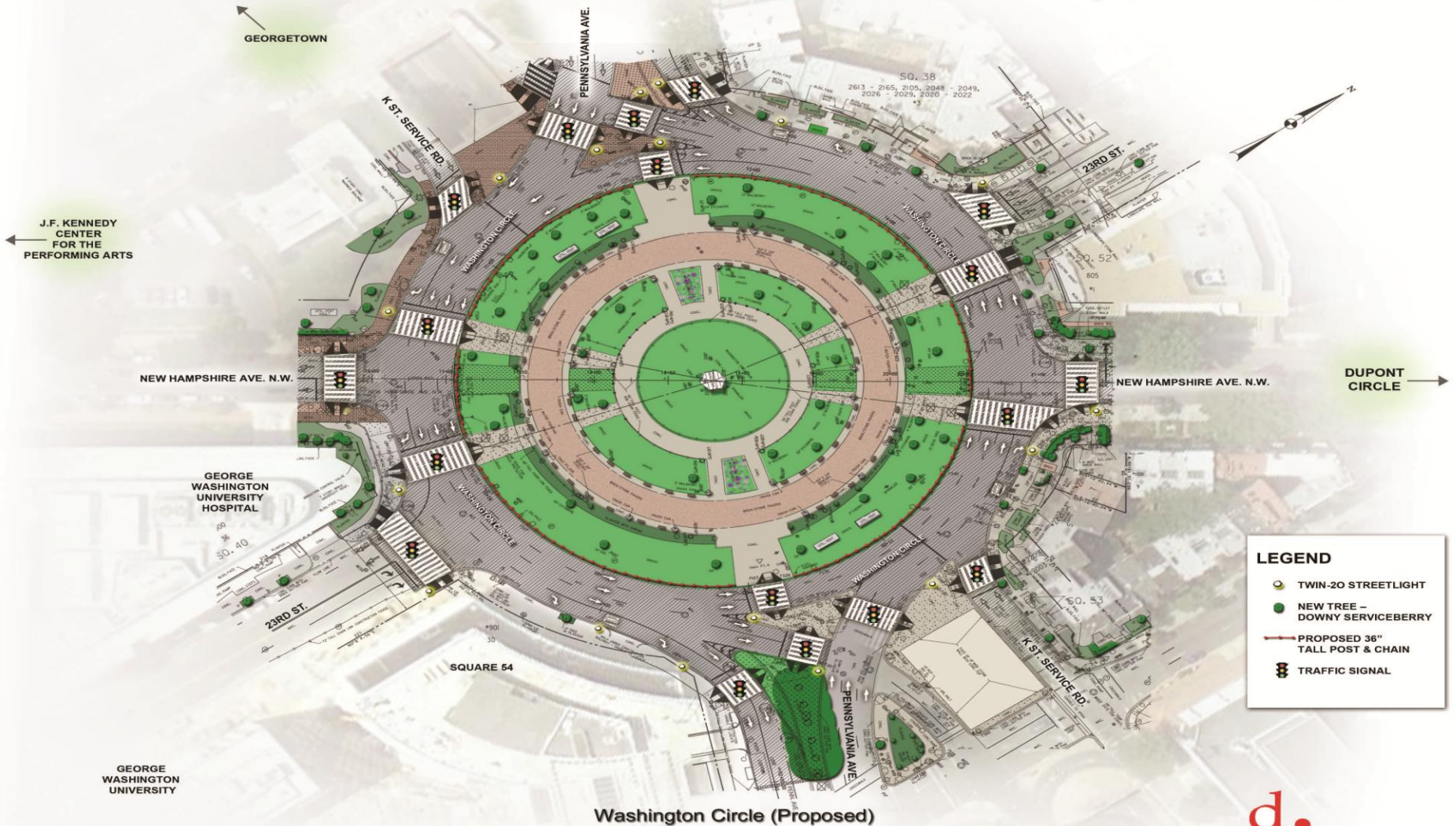
The main objective of this study was to develop alternatives to improve mobility and safety of pedestrian as well as vehicular traffic.

The study comprised of following:

- ❑ Traffic Signal Study
- ❑ Pedestrian Volume and Characteristics Study
- ❑ Lighting Study

Proposed Improvements

Reconstruction & Resurfacing of New Hampshire Avenue

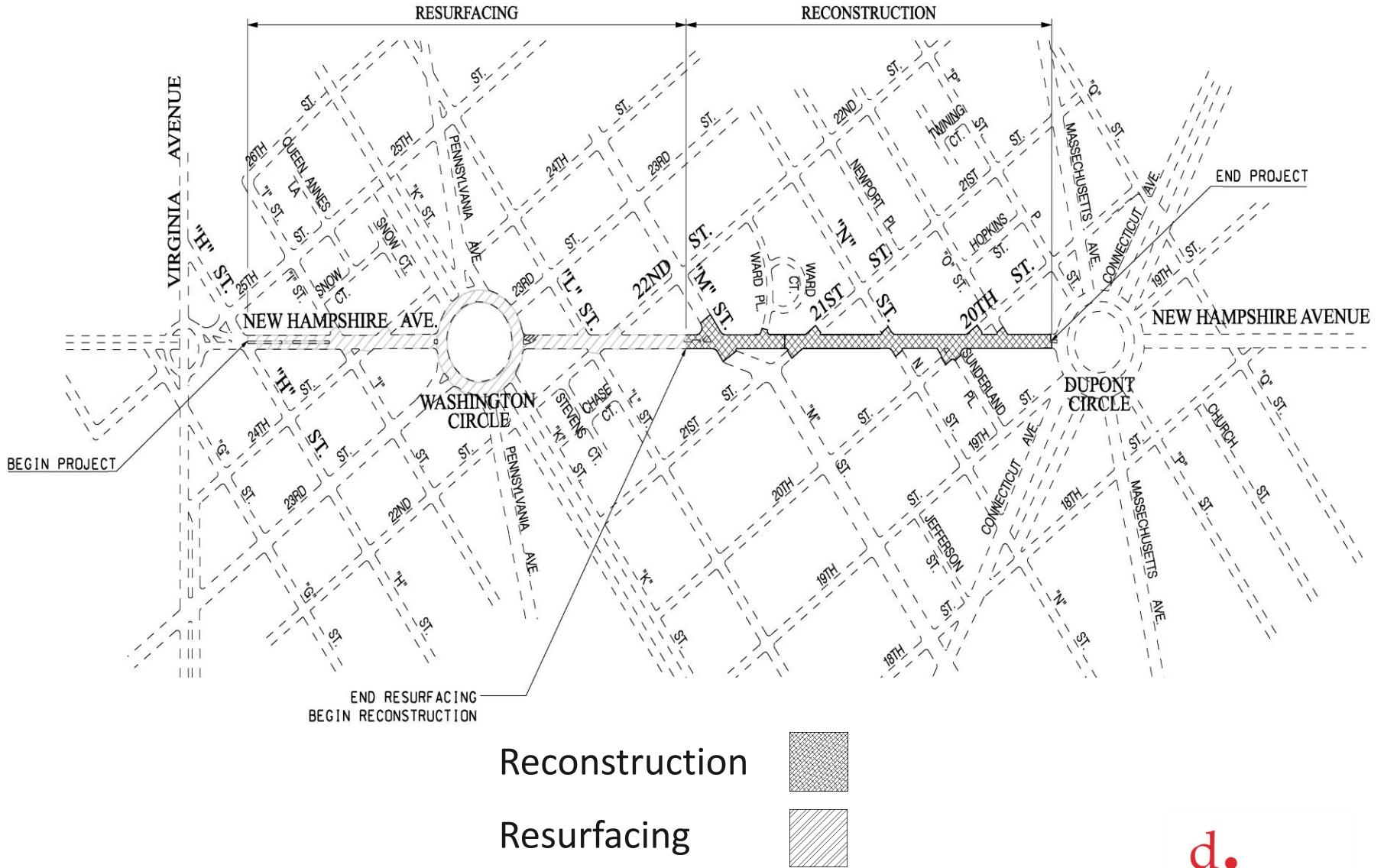


Construction Project

Overview

- Project Boundaries:
 - Resurfacing New Hampshire Ave, NW, from H St. to south of M Street
 - Resurfacing Washington Circle and 22nd Street from Pennsylvania Ave to K St.
 - Reconstruction work on New Hampshire Avenue from south of M Street to south of Dupont Circle
- Schedule: 18 months (Beginning Sept. 2012 → Estimated Completion March 2014)
- Budget: \$10.5 Million
- Funding Source Allocation:
 - Approximately 83% Federal Funds
 - Approximately 17% District of Columbia Funds
- Contractor: Metro Paving Corporation
- Project Distance – .81 miles

Project Boundaries



Construction Project: Project Initiative

The Modifications and Safety improvements included in this project are:

- Reconstruct New Hampshire Avenue between Dupont Circle & “M” Street, NW
 - Provide New Roadway Pavement due to poor condition of existing pavement indicated by Pavement Index
 - Provide Curb, Gutter & Sidewalk
 - Provide new Bike Lane (on both sides between Washington Circle & Dupont Circle)
 - Replace Water main
 - Protect existing trees/ Add new trees
 - Update Drainage/Inlet Structures
 - Upgrade Street Lighting
 - Upgrade/Modify Five Traffic Signals
 - Reconstruct Crosswalk and Wheelchair Ramps to meet ADA guidelines
- Resurface New Hampshire Avenue between “M” Street, NW & Virginia Avenue
 - Mill & Resurface Existing Pavement
 - Replace deteriorated curb, gutter, & Sidewalk
 - Upgrade Signing and Pavement Marking
 - Update Drainage/Inlet Structures
 - Protect existing trees/ Add new trees
 - Upgrade Street Lighting
 - Reconstruct/relocate wheelchair ramps to meet ADA guidelines
 - New Bike Lane: M St to Washington Circle

Project Features

Street Lighting Improvements



Tear Drop Luminaire



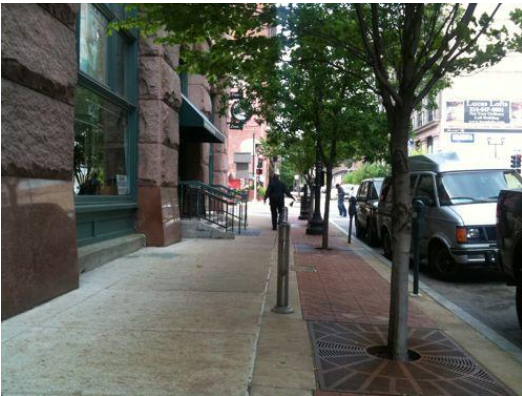
Washington Globe Lights



Twin 20 Lights

Project Features

Sidewalk Improvements



- Brick (from Washington Circle to H st)
- Plain Concrete (at minimum locations)
- Exposed Aggregate (from d-circle to w-circle)

Project Features

Additional Improvements

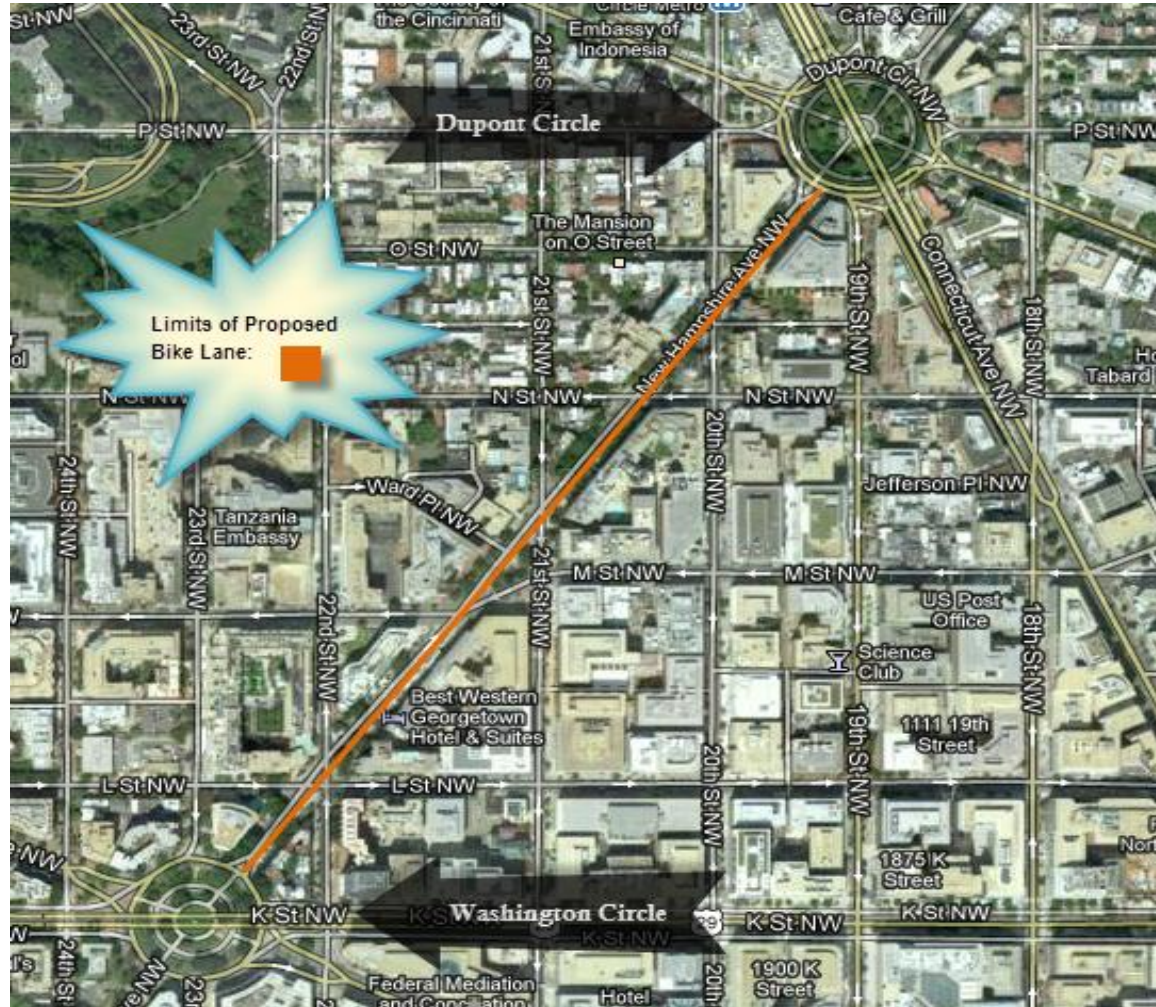


- Bulb-Outs
- Upgraded Cross walks
- Grass/Tree Buffers



Project Features

Bike Lane Limits



Project Features

Lane Conversion: from one-way to two-ways



Project Initiative

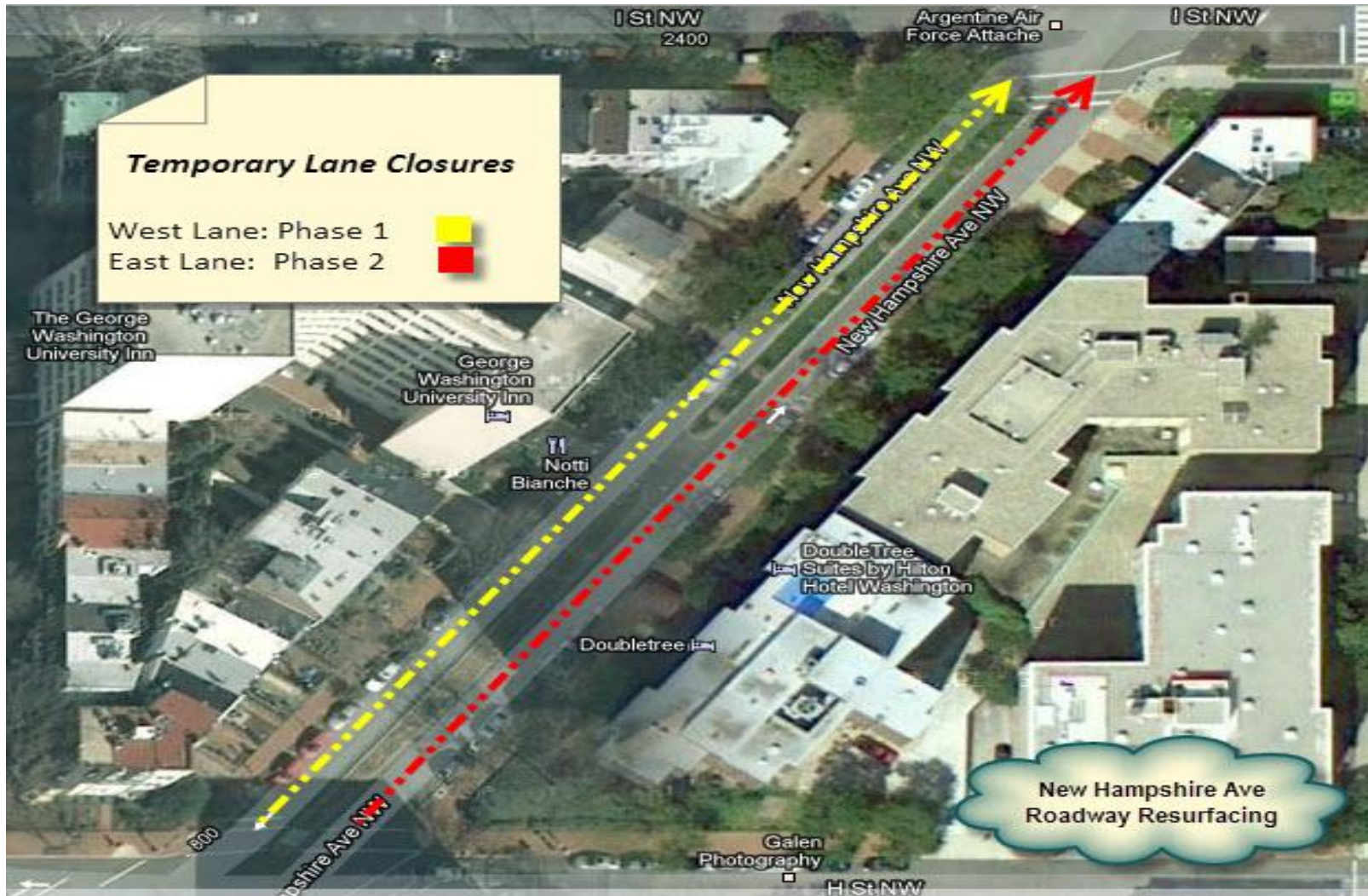
Plan to Minimize Construction Impact:

- Maintain Pedestrian access during construction
- Maintain Bus Stops
- Minimize Disruptions to residents and businesses
- For all roads, at least 1 lane will remain open at all times during construction



Construction Phasing

H St to I St



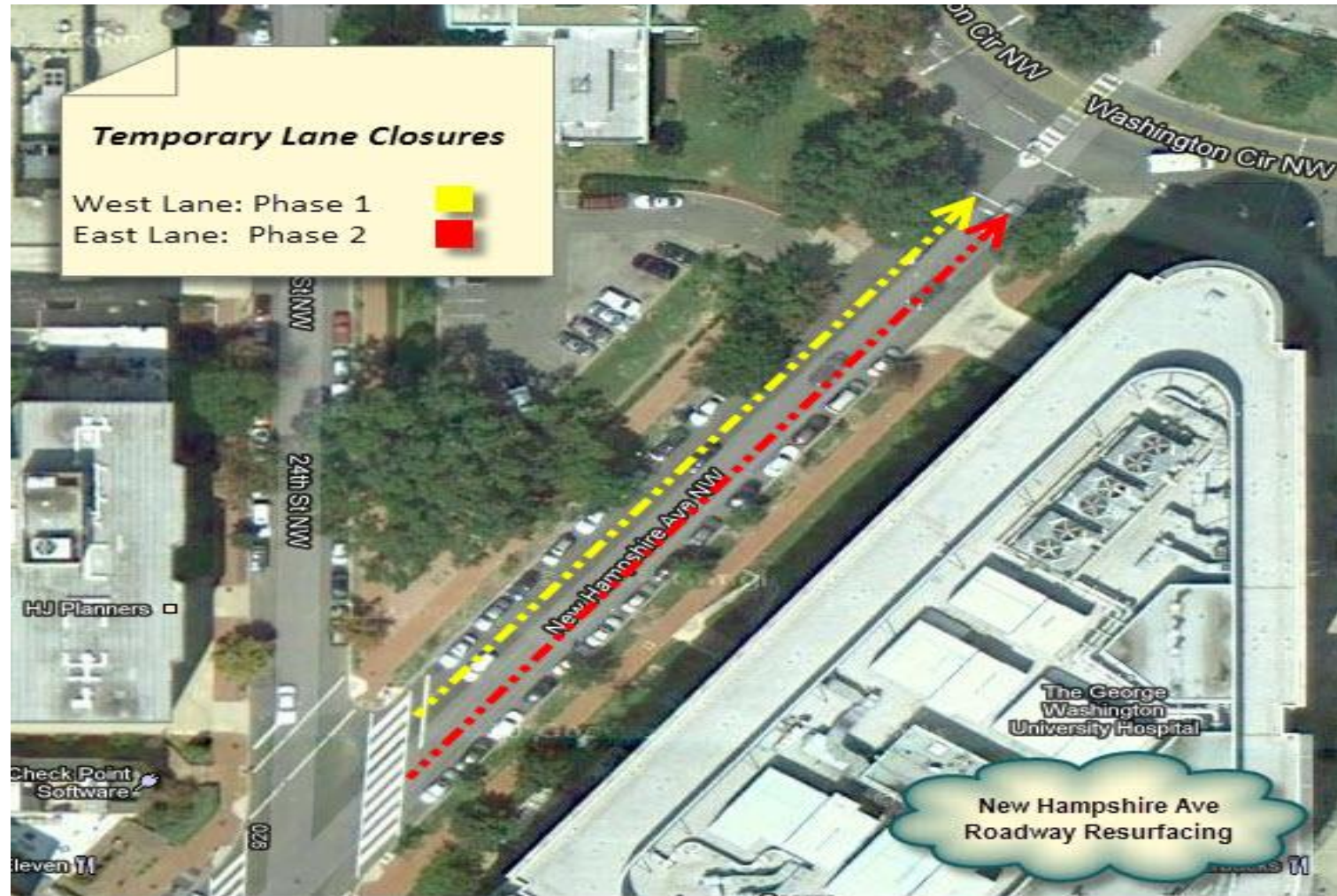
Construction Phasing

I St to 24th St



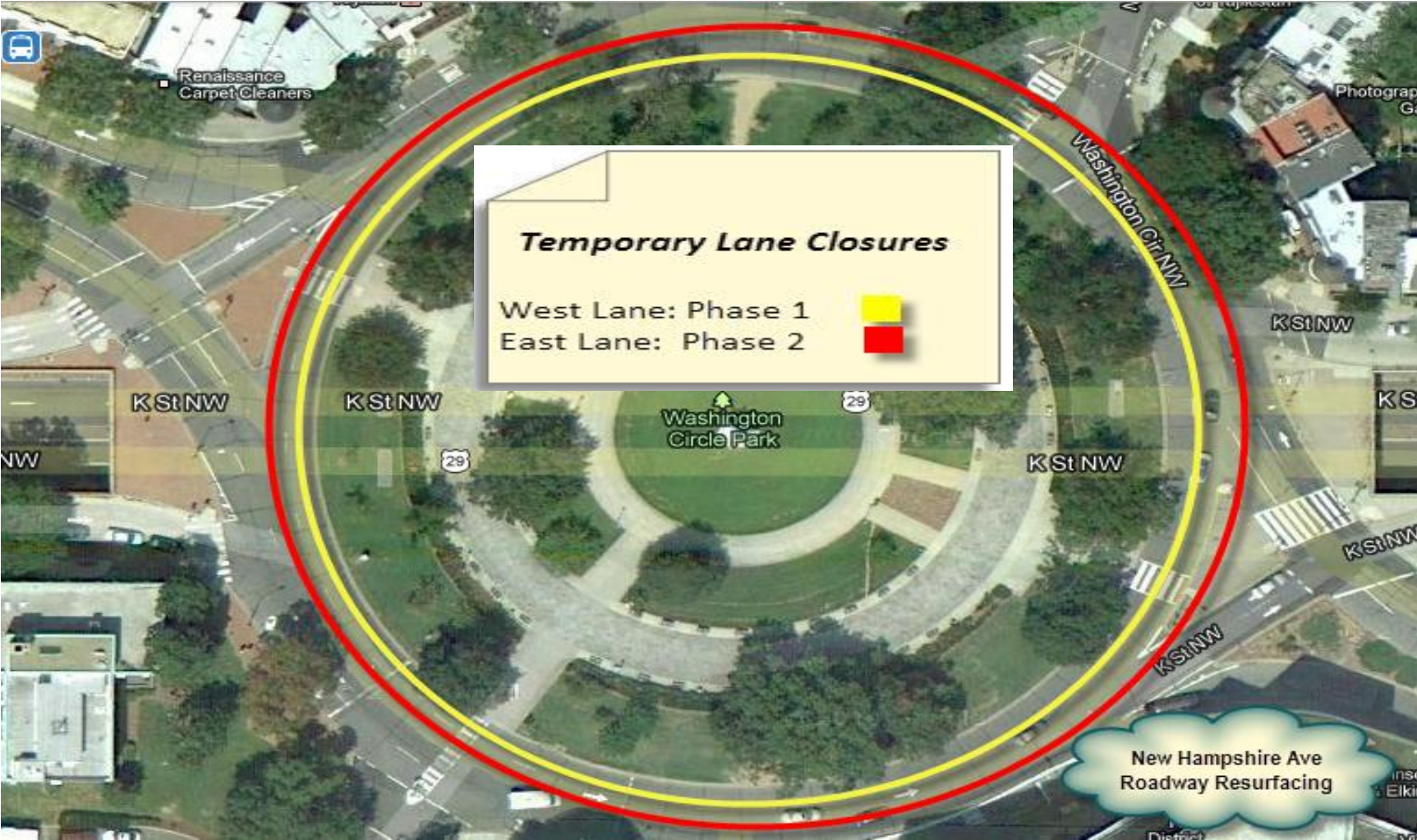
Construction Phasing

24th St to Washington Circle



Construction Phasing

Washington Circle



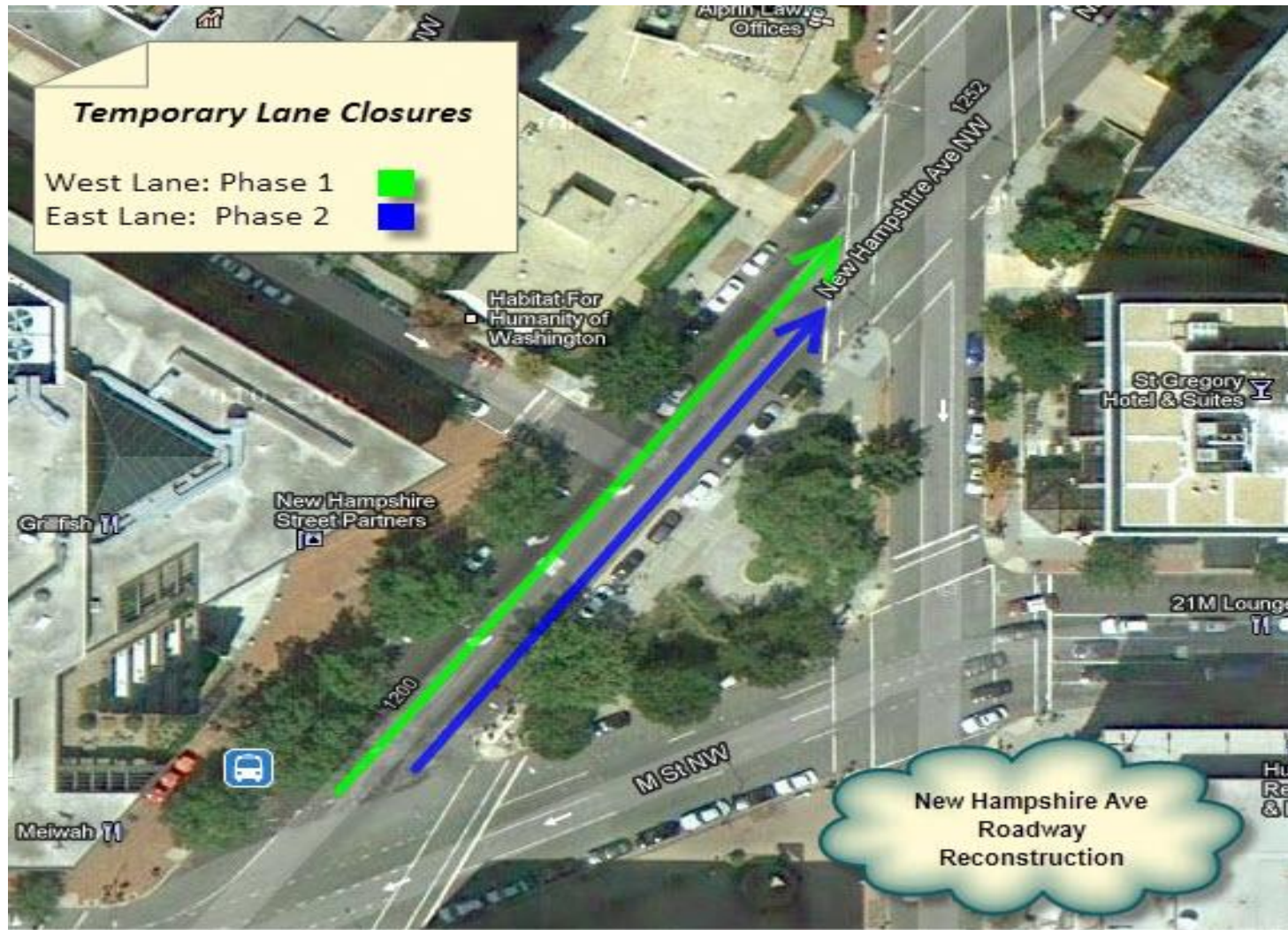
Construction Phasing

K St. to Pennsylvania Ave. & 22nd St.



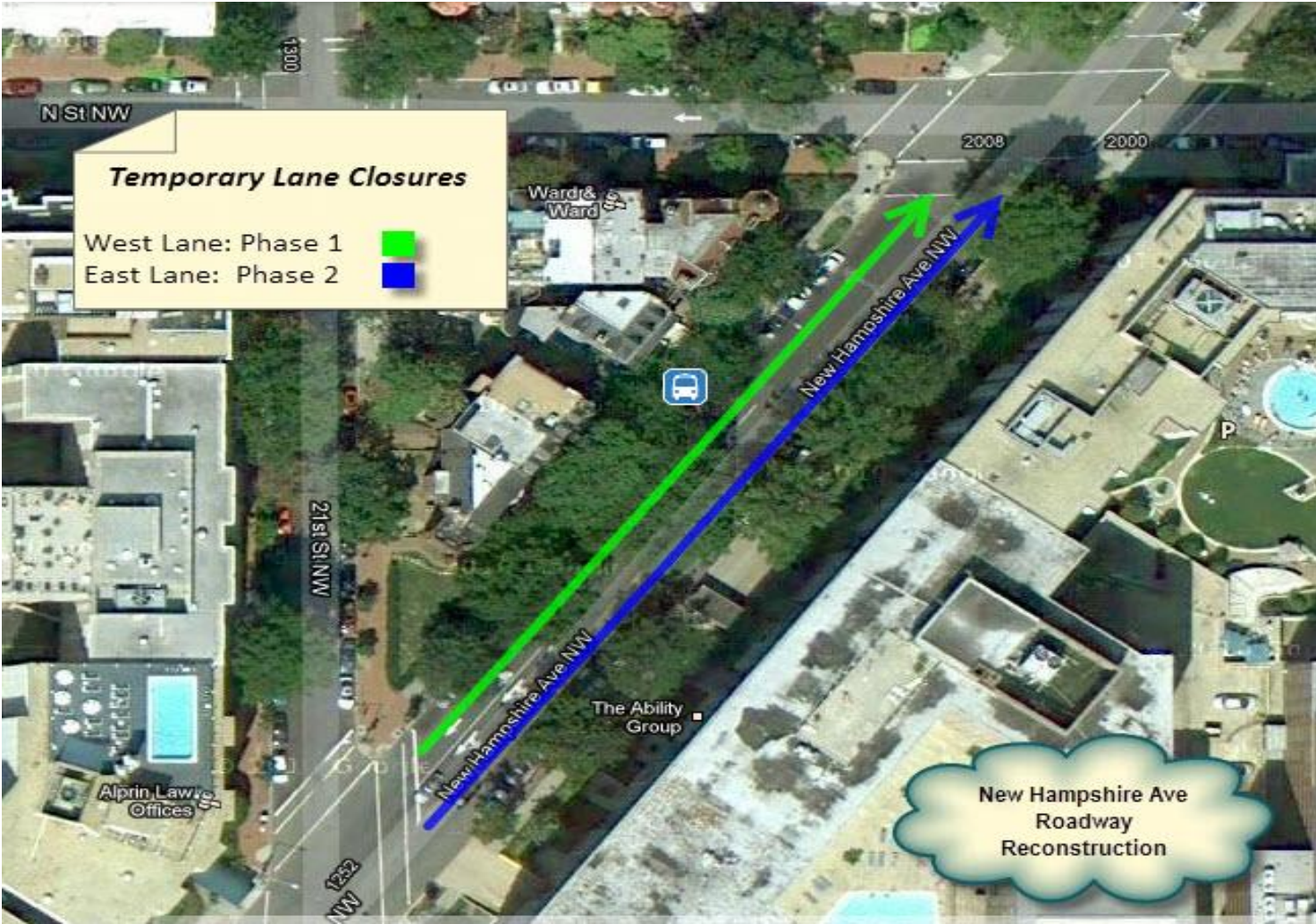
Construction Phasing

M St to 21 St



Construction Phasing

21st St to N St



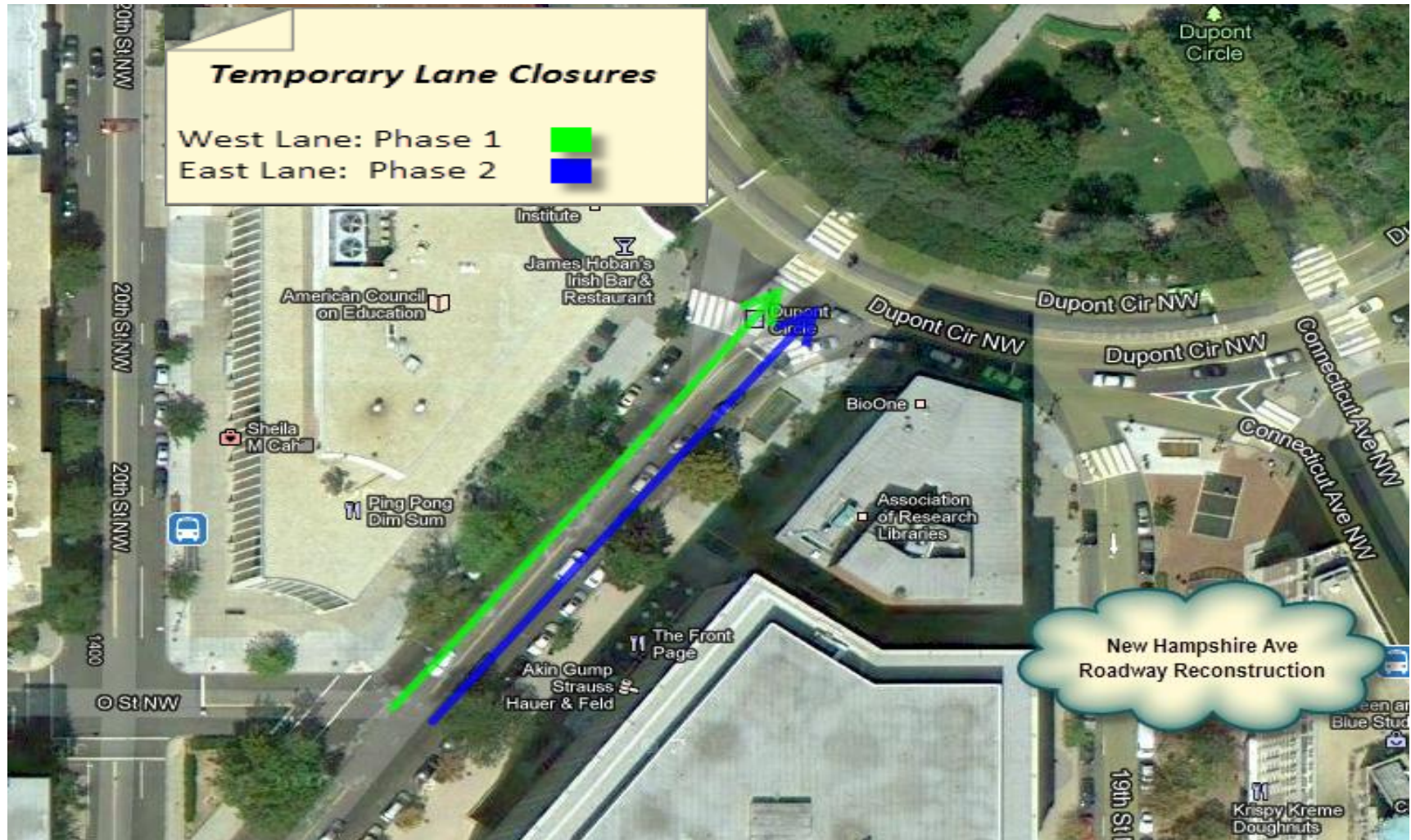
Construction Phasing

N St to 20th St



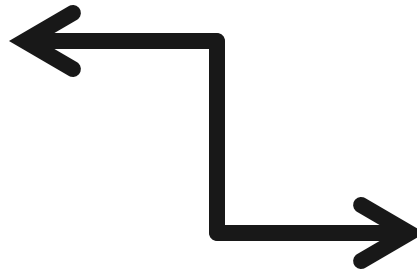
Construction Phasing

O St. to Dupont Circle



How we plan to exchange information...

Presentation by New
Hampshire Avenue Project
Team



Interactive and informal
discussions between
Project Team and
stakeholders

Your Input Counts...



After this brief presentation, Please join us at the displays to discuss your questions, concerns, priorities for the corridor.

Please feel free to write, draw or use post-it notes to add information.

Next Steps

**Construction Start:
September 4th 2012**

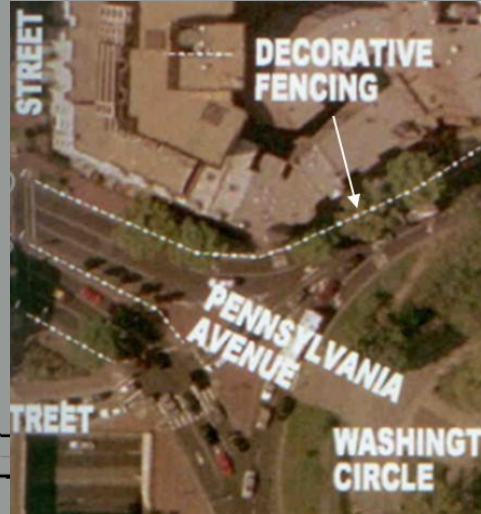
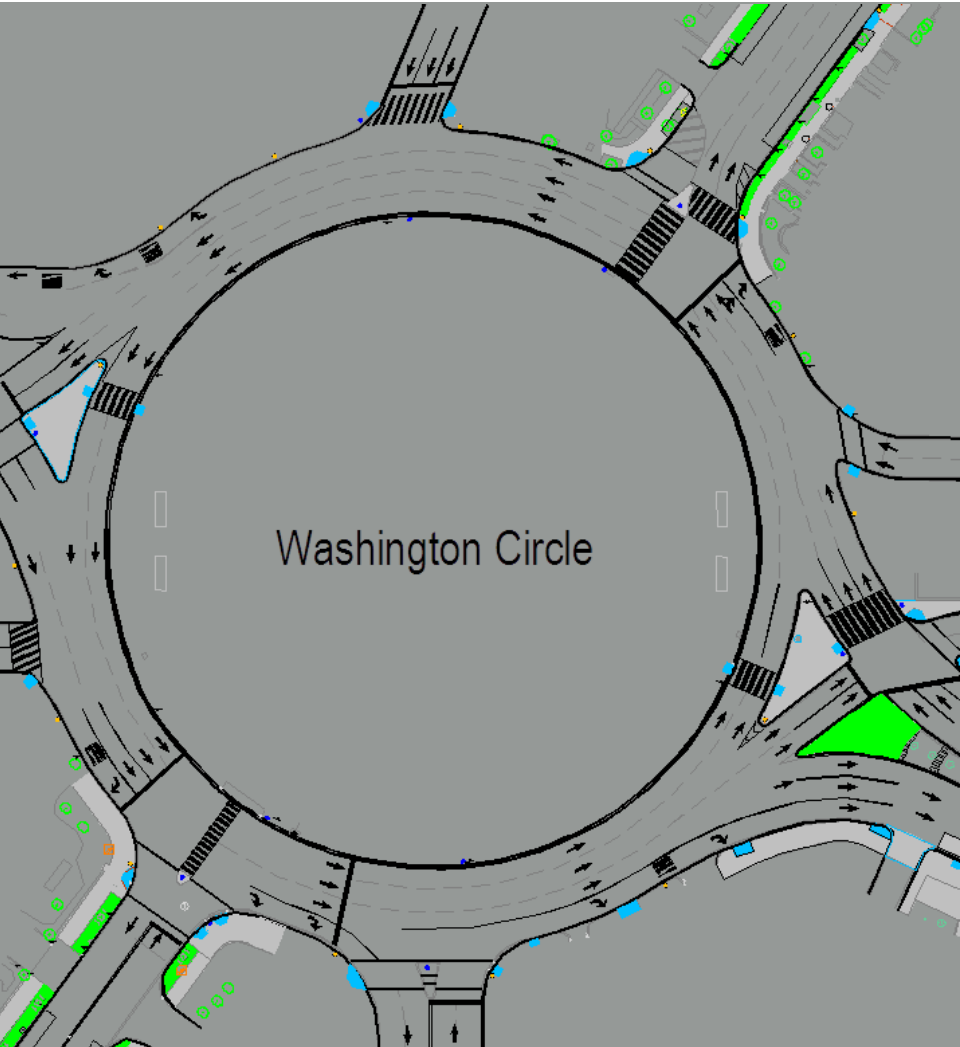
Please contact with any questions or concerns:
Capitol Services Management Inc.

Hours: 8:30 am to 5:30 pm
3200 Martin Luther King Jr. Ave, SE
Washington, DC 20032
NewHampshire-info@ddotprojectdc.com
Phone: (202) 563-5033
Fax: (202) 563-0911

d. delivers



Existing Conditions

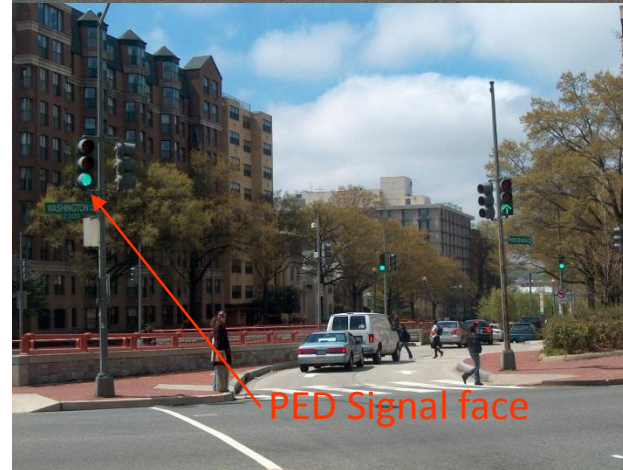


Existing Conditions

Identified Issues

Pennsylvania Ave and K St Service Road to West Circle

- Traffic in circular lanes do not stop
- Traffic to K Street has a signal
- Traffic Entering Circle from K Street is only “Yield”
- No stopping for traffic to Pennsylvania Ave.
- Traffic entering from Pennsylvania Ave. into the Circle has a traffic signal
- Need to improve vehicular signals and pedestrian signals



**No Crosswalk for Westbound K and Penn. Ave
Improvements needed for Vehicle and Pedestrian
signals**

Identified Issues

Pennsylvania Ave and K St to Service Road to East Circle

- Traffic in circular Lanes do not stop
- Traffic to K Street has a signal
- Traffic Entering Circle from K Street is only Yield
- No stopping for traffic to Pennsylvania Ave.
- Traffic entering from Pennsylvania Ave. into the Circle has a traffic signal
- Need to improve vehicular signals and pedestrian signals



***NO Crosswalk for Eastbound Pennsylvania Ave.
Improvements needed between Vehicle and Pedestrian
signals***

Existing Conditions

Identified Issues

23rd St - North

- Two Lane, One Way Street (South)
- Left Lane used for Parking
- Existing Pedestrian Crossing for 23rd Street
- Flashing Yellow for Traffic entering into Circle
- Walk/Don't Walk – Pedestrian Signal
- NO Pedestrian Crossing for Circular Lanes



Walking Paths are formed as a result of repeated usage by Pedestrians to Cross the lanes of W Circle

Identified Issues

23rd St - South

- Four Lane, Two-way Street
- One Lane in both directions used for Parking
- Traffic in Circular Lanes does not stop
- Non-uniform Pedestrian Crosswalk Marking in the Intersection
- Flashing yellow for traffic entering into circle
- Walk/Don't Walk – Pedestrian Signal
- No Pedestrian Crossing for Circular Lanes



*No Crossing to and From Washington Circle
Inadequate Pedestrian Refuge*

Identified Issues

New Hampshire Ave (NHA) - South

- Four Lane, Two way Street
- One lane in both directions has Parking
- Non-uniform Pedestrian Crosswalk marking in the Intersection
- Traffic in Circular lanes stops for Pedestrian Crossing to a signal
- Walk/Don't Walk – Pedestrian Signal
- Insufficient Pedestrian refuge island in the middle of Intersection



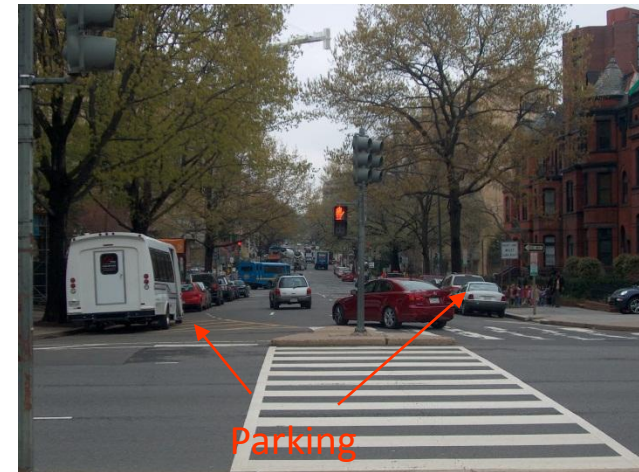
High Pedestrian Activity due to proximity of Foggy Bottom Metro Station & GWUH

Existing Conditions

Identified Issues

New Hampshire Ave (NHA) - North

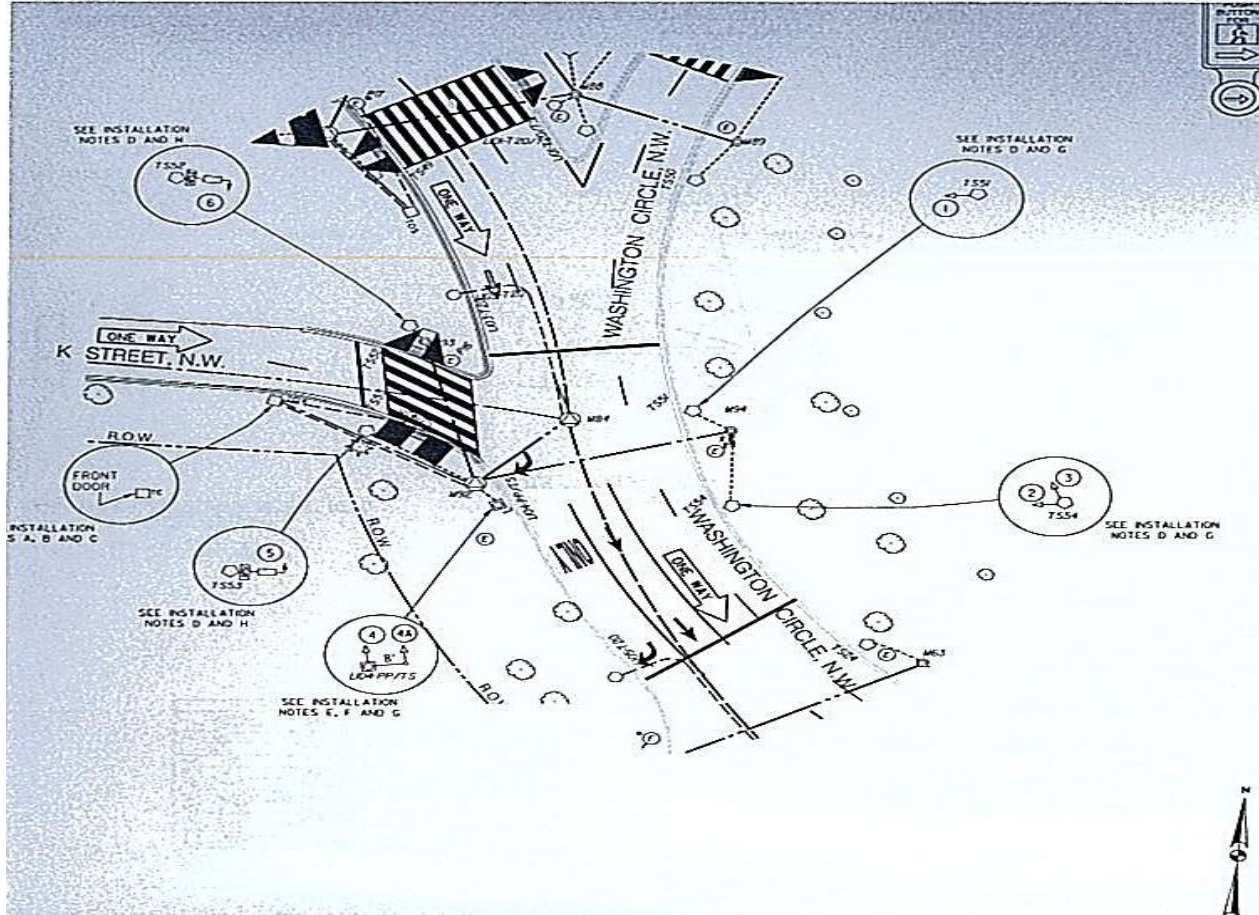
- Four Lane, One way Street
- Left and Right Lane used for Parking
- Non-uniform Pedestrian Crosswalk marking in the Intersection
- Traffic in Circular lanes stops for Pedestrian Crossing to a signal
- Walk/Don't Walk – Pedestrian Signal
- Insufficient Pedestrian refuge island in the middle of Intersection



No Handicap Ramp for Pedestrians Coming out from Circle

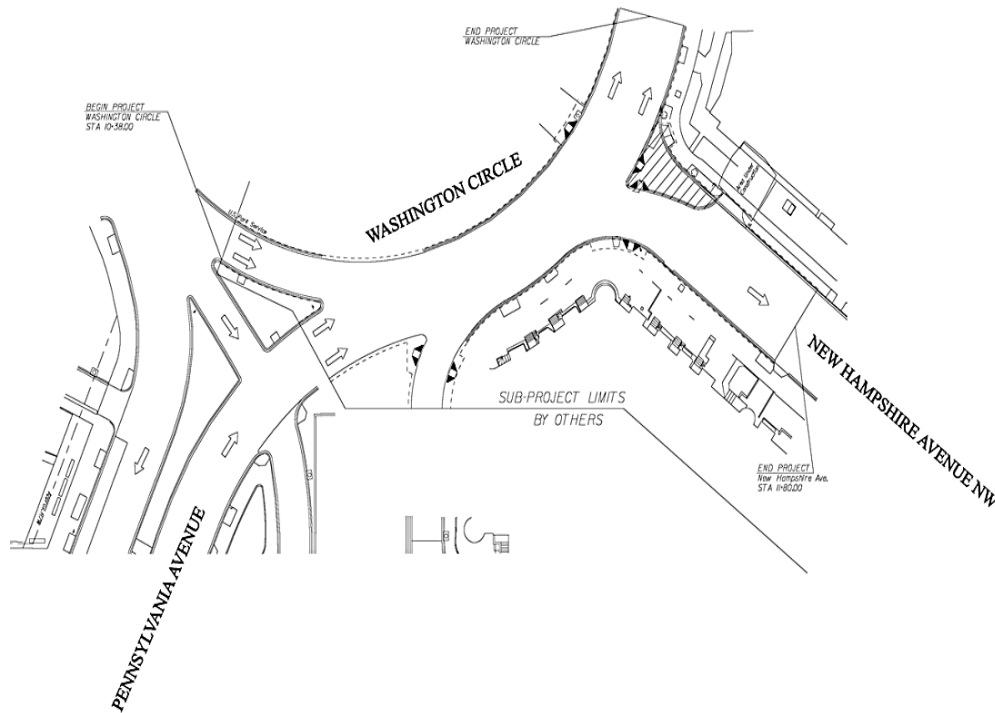
Project Features

Additional Improvements: Crosswalk Upgrades



Project Initiative

The modifications and safety improvements included in this project which are:



- Reconstruction of upper “K” Street Service Road, NW on east side approximately 70’
- Resurfacing of Pennsylvania Avenue, NW approximately 240’
- Resurfacing of 22nd Street, NW approximately 275’
- Upgrade Traffic Signals at Two Intersections
- Update Drainage/Inlet Structures
- Reconstruct Wheelchair Ramps to meet ADA guidelines
- Upgrade Street Lighting, & Traffic Signal
- Modification of Washington Circle & New Hampshire Ave Intersection
- Modification of Crosswalks & Pavement Markings