

Get Involved

VDOT representatives will review and evaluate any information received as a result of the public information meeting. The comment sheet in this brochure is provided to assist in making your comments. You may leave the sheet or any other written comments in the comment box, or mail/email your comments.

Comments must be postmarked, emailed or delivered to VDOT by **April 13, 2018** to be included in the public hearing record.

Mail comments to Mr. Vicente Valeza, Jr. at the address below or email **meetingcomments@vdot.virginia.gov**. Please include "Wilson Boulevard over Route 50 Bridge Rehabilitation" in the subject line.

Project information shared here, including a summary of comments received during the comment period, will be available at **www.virginiadot.org/projects** and at VDOT's Northern Virginia District Office.

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Public Information Meeting

Wilson Boulevard over Route 50 Bridge Rehabilitation

Tuesday, April 3, 2018

6:30 p.m. to 8 p.m., Presentation 7 p.m.

Sleepy Hollow Elementary School

3333 Sleepy Hollow Road

Falls Church, VA 22044



Public Information Meeting

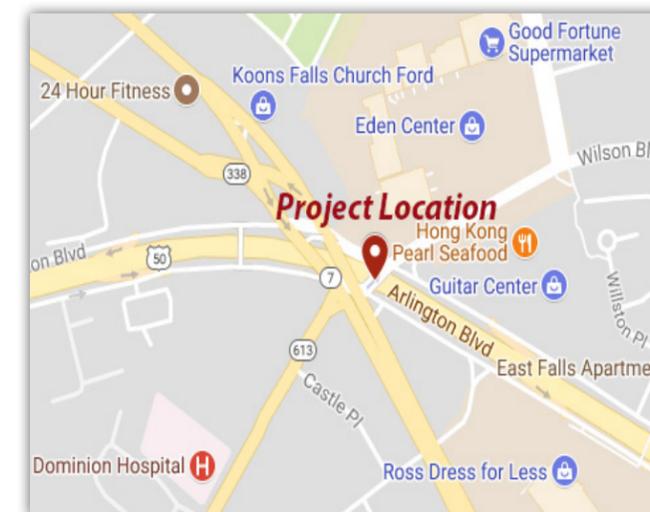
Welcome to the Virginia Department of Transportation's (VDOT) public information meeting on planned repairs to the existing one-way bridge linking the eastbound Route 50 (Arlington Boulevard) service road to eastbound Wilson Boulevard in Seven Corners. We look forward to your active participation.

This meeting is being held to provide an opportunity for citizens and organizations to give VDOT comments and/or suggestions on the proposed project. VDOT strives to ensure that all members of the community have the opportunity

to participate in public decisions on transportation projects and programs affecting them.

VDOT representatives are present to discuss the project and answer your questions. A comment sheet is included in this brochure and your input is encouraged. All written comments received on this project will be reviewed by the design team, summarized and made available on the VDOT project website.

Project Overview



Bridge rehabilitation in Fairfax County

Purpose: Rehabilitate the existing one-way bridge linking the eastbound Route 50 (Arlington Boulevard) service road to eastbound Wilson Boulevard

Location: Wilson Boulevard over Route 50

Improvements: Rehabilitate existing bridge, including a new sidewalk along the opposite side of the bridge

Project Description

This project will rehabilitate the existing one-way bridge linking the eastbound Route 50 (Arlington Boulevard) service road to eastbound Wilson Boulevard in Seven Corners. The bridge was built in 1958.

Planned improvements include:

- New concrete bridge deck and steel beams
- Reconstructing existing sidewalk
- New sidewalk along the opposite side of the bridge
- Upgrading the bridge railings
- Improving curb and gutter on the southwestern approach to the bridge
- New concrete end walls on the southwestern approach

Existing Bridge



Estimated Project Cost

Preliminary Engineering
\$600,000

Construction
\$3 million

Total Cost
\$3.6 million

*Funded with state and federal State of Good Repair funds used for maintenance of structures and bridges

Civil Rights

VDOT ensures nondiscrimination and equal employment in all programs and activities in accordance with Title VI and Title VII of the Civil Rights Act of 1964. If you need more information or special assistance for persons with disabilities or limited English proficiency, contact VDOT's Civil Rights Division at 703-259-1775 or TTY/TDD 711.

Right of Way

The construction work associated with the bridge rehabilitation at Wilson Boulevard over Route 50 will not require the displacement of any families, businesses or non-profit organizations.

As the project is further developed, additional right of way for utility relocation or construction may be required beyond the proposed limits shown.

The property owners will be informed of the exact location of the easements during the right of way acquisition process and prior to construction.

Information about right of way purchase is discussed in VDOT's Right of Way and Utilities brochure, "A Guide for Property Owners and Tenants." Copies of this brochure are available on the VDOT website and from any VDOT Right of Way agent.

Anticipated Schedule

Public Information Hearing
April 3, 2018

Comment period ends
April 13, 2018

Project advertisement
Fall 2018

Begin construction
Spring 2019

Environmental Review

In accordance with the National Environmental Policy Act (NEPA) and 23 CFR 771, Programmatic Categorical Exclusion (PCE) documentation has been prepared in cooperation with the Federal Highway Administration and is available for review and comment. In compliance with the National Historic Preservation Act, Section 106 and 36 CFR Part 800, information concerning the potential effects of the proposed project on properties listed in or eligible for listing in the National Register of Historic Places is included in the environmental documentation.

Copies of the document are available for review here tonight or can be viewed online at www.virginiadot.org/projects.



Public Information Meeting

Wilson Boulevard over Route 50 Bridge Rehabilitation

Tuesday, April 3, 2018
6:30 p.m. to 8 p.m., Presentation 7 p.m.
Sleepy Hollow Elementary School
3333 Sleepy Hollow Road, Falls Church, VA 22044

COMMENT SHEET

State: 0613-029-380, P101, B647, UPC: 111320, Federal: STP-BR09 (297)

All comments are subject to public disclosure.

Name (optional):

Address (optional):

Email (optional):

1. Do you have concerns or comments related to the bridge rehabilitation at Wilson Boulevard over Route 50?

Yes ____ No ____

Comments:

2. Please provide us with any ideas or suggestions which you feel would improve this project.

3. How did you hear about this meeting?

Newspaper ____ Website ____ Social Media ____ Other ____

Fold Line

Postal Service
will not
deliver without
a stamp

Mr. Vicente Valeza, Jr., P.E.
Virginia Department Of Transportation
Northern Virginia District
4975 Alliance Drive
Fairfax, VA 22030

Fold Line



**Wilson Boulevard over Arlington Boulevard (Route 50)
Fairfax County
Bridge Rehabilitation**

Project No. 0613-029-380; UPC 111320

VICENTE VALEZA, PE – Project Manager, Structure & Bridge NOVA

**PUBLIC INFORMATION MEETING
Tuesday, April 3, 2018**

http://www.virginiadot.org/projects/northernvirginia/wilson_over_50.asp

PROJECT LOCATION



PROJECT OVERVIEW



EXISTING BRIDGE DESCRIPTION

- The bridge was built in 1958 with a composite concrete deck on steel rolled beams with cover plates. In 1986, the existing deck was milled and replaced with Class A4 Concrete and topped with ½” polymer concrete overlay. In 1999, the existing deck was again milled 1 ¼” and overlaid with 1 ¼” thick concrete (Original deck thickness is 7 ½”)
- The bridge is approximately 80’ long at centers of bearing (single simple span) and 36’-10” wide out-to-out (includes 5’ wide sidewalk). Clear distance curb-to-curb is 28’-0”.
- The existing minimum vertical clearance is 14’-11”.
- The Bridge carries 2 lanes of EB Wilson Boulevard.

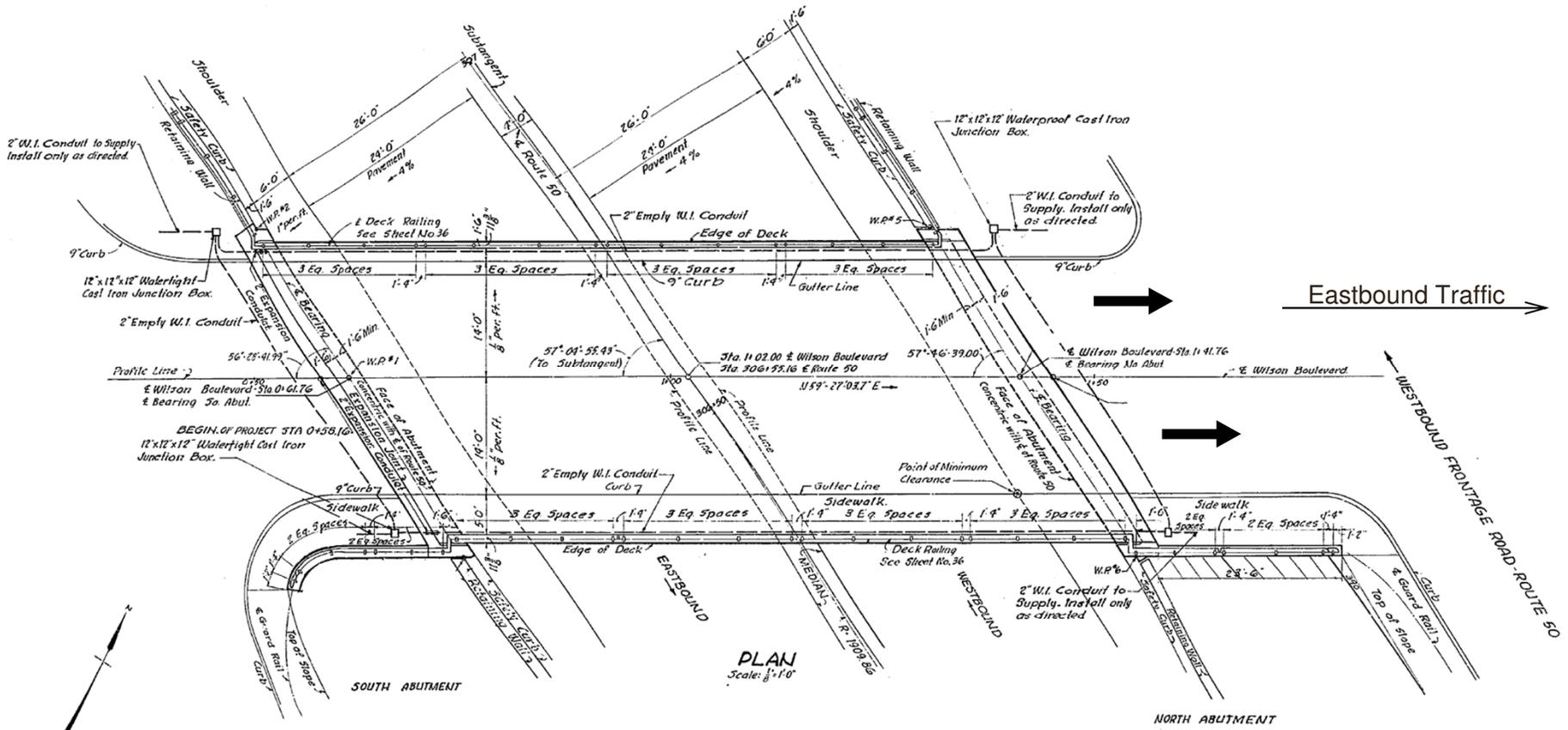
PROJECT OVERVIEW



EXISTING BRIDGE DESCRIPTION, CONT.

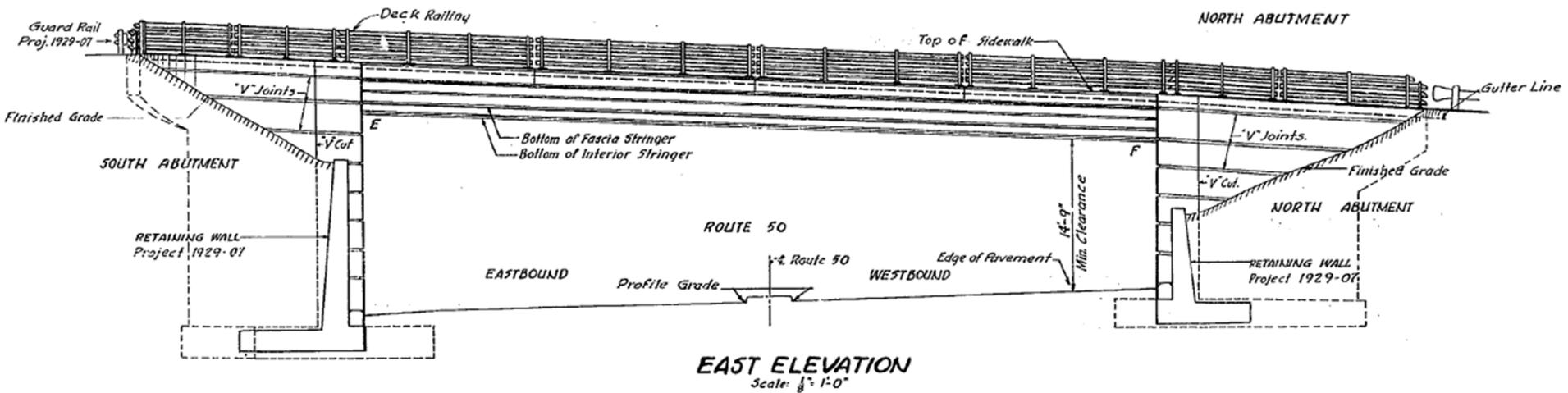
- **Roadway Classification: Secondary (Wilson Blvd); Primary (Arlington Blvd)**
- **Functional Classification: Urban Principal Arterial (Wilson Blvd); Major Arterial (Arlington Blvd)**
- **Posted Speed Limit: 30 mph (Wilson Blvd)
45 mph (Arlington Blvd)**
- **2016 ADT Data: Wilson Blvd: 7,500; 1% Truck = 75**
- **2016 ADT Data: Arlington Blvd: 50,000 (Total); 1% Truck = 500**

PROJECT OVERVIEW



**Existing Bridge Plan
(As Built)**

PROJECT OVERVIEW



Existing Bridge Elevation
(As Built)

EXISTING CONDITIONS

Bridge Deck:

- Condition Rating 4 (Poor Condition)
- Bottom of the deck in poor condition due to numerous cracks, spalls and delaminated areas.
- Concrete overlay in fair condition due to numerous cracks, scaling and delamination.

Bridge Superstructure:

- Condition Rating 7 (Good Condition)
- The steel beams showing light surface rust and areas of peeling paint.
- However, the beams have fatigue prone details

Bridge Substructure:

- Condition Rating 6 (Fair Condition)
- The abutment walls are in fair condition with spalls, cracks and delaminated concrete areas.

Overall Sufficiency Rating: 72.5

EXISTING CONDITIONS



No proper transition from approach to bridge sidewalk



Deck joints in poor condition with broken concrete edges



Original Non-crash tested bridge railings

EXISTING CONDITIONS BRIDGE SUPERSTRUCTURE

Steel rolled beams with cover plates are in good condition.



Existing utility A/C conduits owned by VDOT to be removed.

Timber planks placed by VDOT to protect Rte 50 traffic from falling concrete from the underside of deteriorating deck.

EXISTING CONDITIONS BRIDGE SUPERSTRUCTURE



Spalled and delaminated concrete, hairline cracks and exposed rebar at the deck underside surface.

EXISTING CONDITIONS SUBSTRUCTURE



Spalled and delaminated concrete, hairline cracks and exposed rebar at Abutment Breastwall.

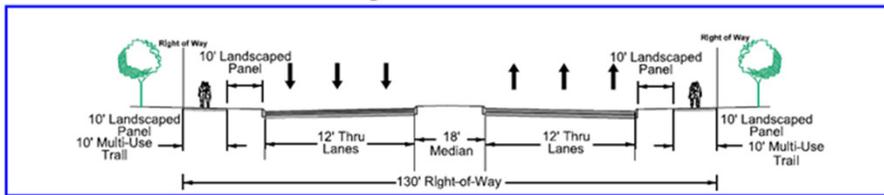


Damaged curb and gutter at the southwest approach corner of the bridge.

FAIRFAX COUNTY PROPOSED IMPROVEMENTS

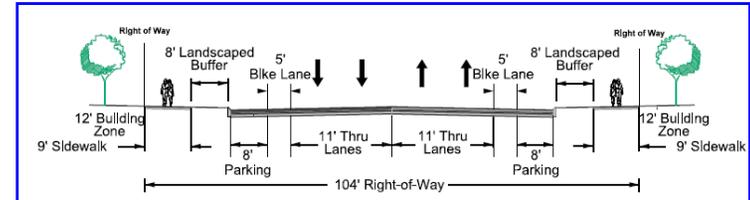


Arlington Boulevard



Multimodal Through Corridor

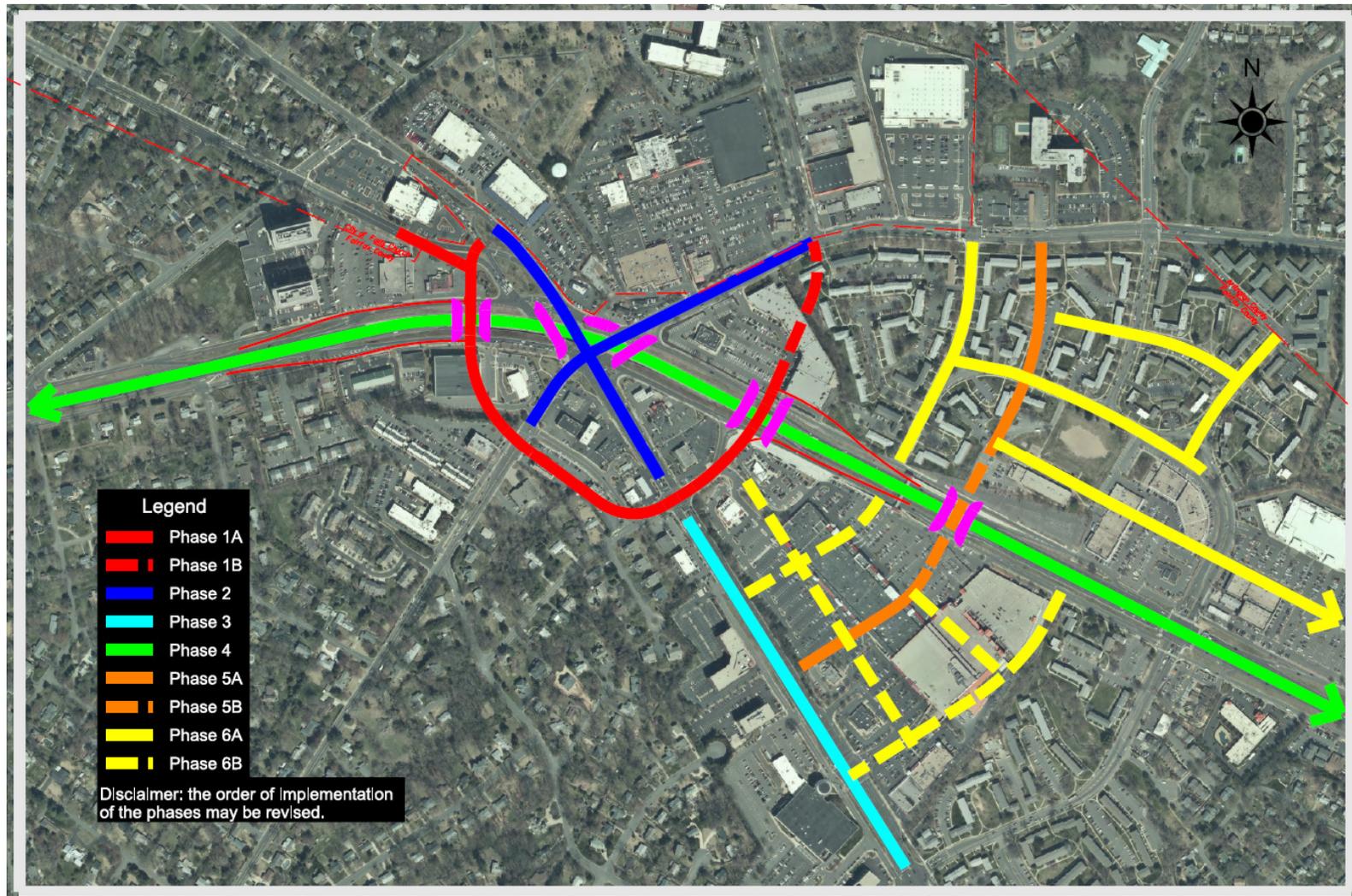
Wilson Boulevard



Major Avenue

Estimated Total Project Cost: \$700 million

FAIRFAX COUNTY PROPOSED IMPROVEMENTS

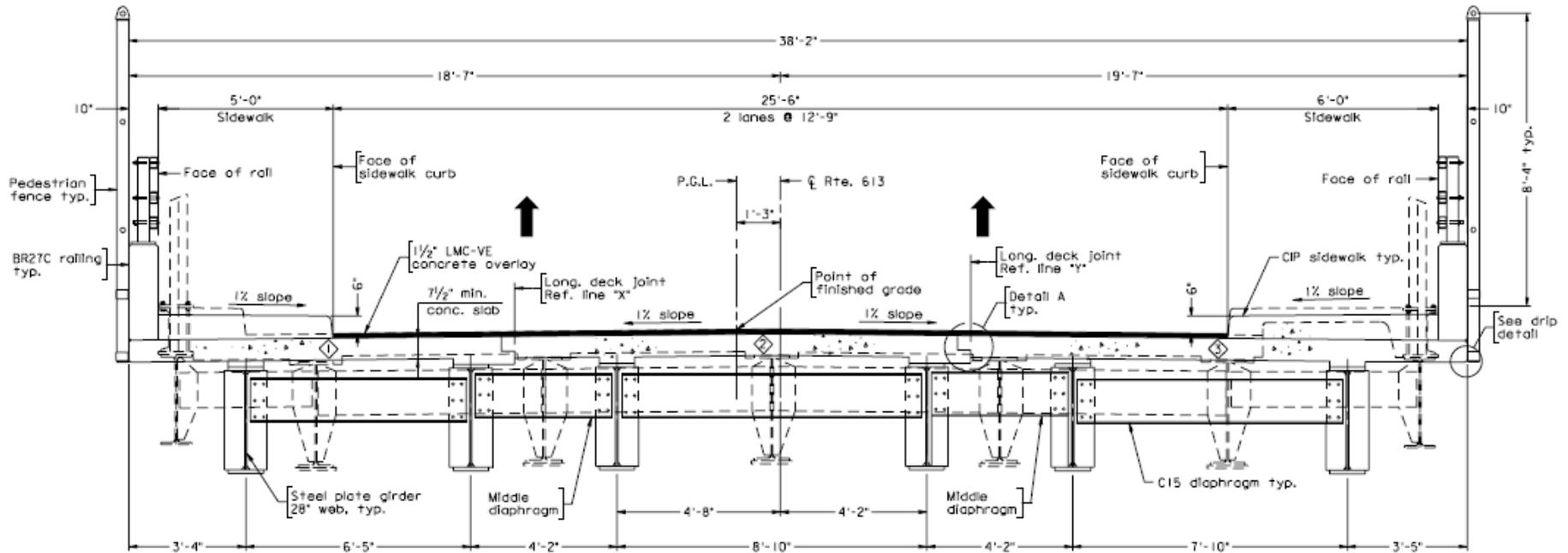


Construction Phases

SCOPE OF WORK

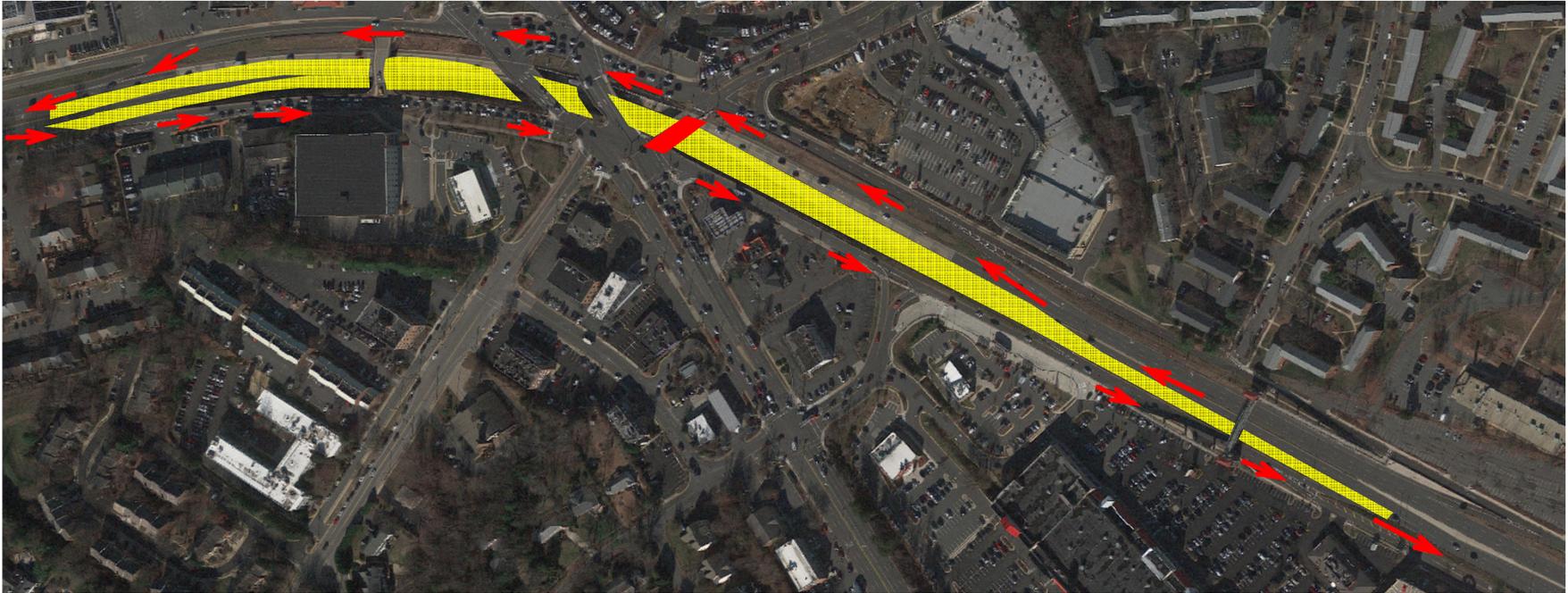
- Replace entire bridge superstructure in a single weekend utilizing accelerated bridge construction (ABC) methods to minimize traffic disruption.
- Utilize a full weekend closure and detour of Arlington Boulevard (Route 50) and Wilson Blvd. to provide construction access for bridge demolition and erection, delivery vehicles and crane access.
- Design modular (pre-fabricated) steel beam and concrete deck units for quick delivery and installation.
- Multiple nighttime single lane closures on Route 50 will be needed before the weekend closure to construct new bearing pedestals and repair concrete at abutments, and on Wilson Blvd. after the weekend closure to repair approach curbs, sidewalks, pavement and railings.
- ACM survey confirmed Asbestos in utility conduits and joint caulking.
- All work will be performed within VDOT right of way.

PROPOSED SUPERSTRUCTURE REPLACEMENT



Proposed Transverse Section

MAINTENANCE OF TRAFFIC (MOT) Weekend Closure of Route 50 (Late Summer 2019)



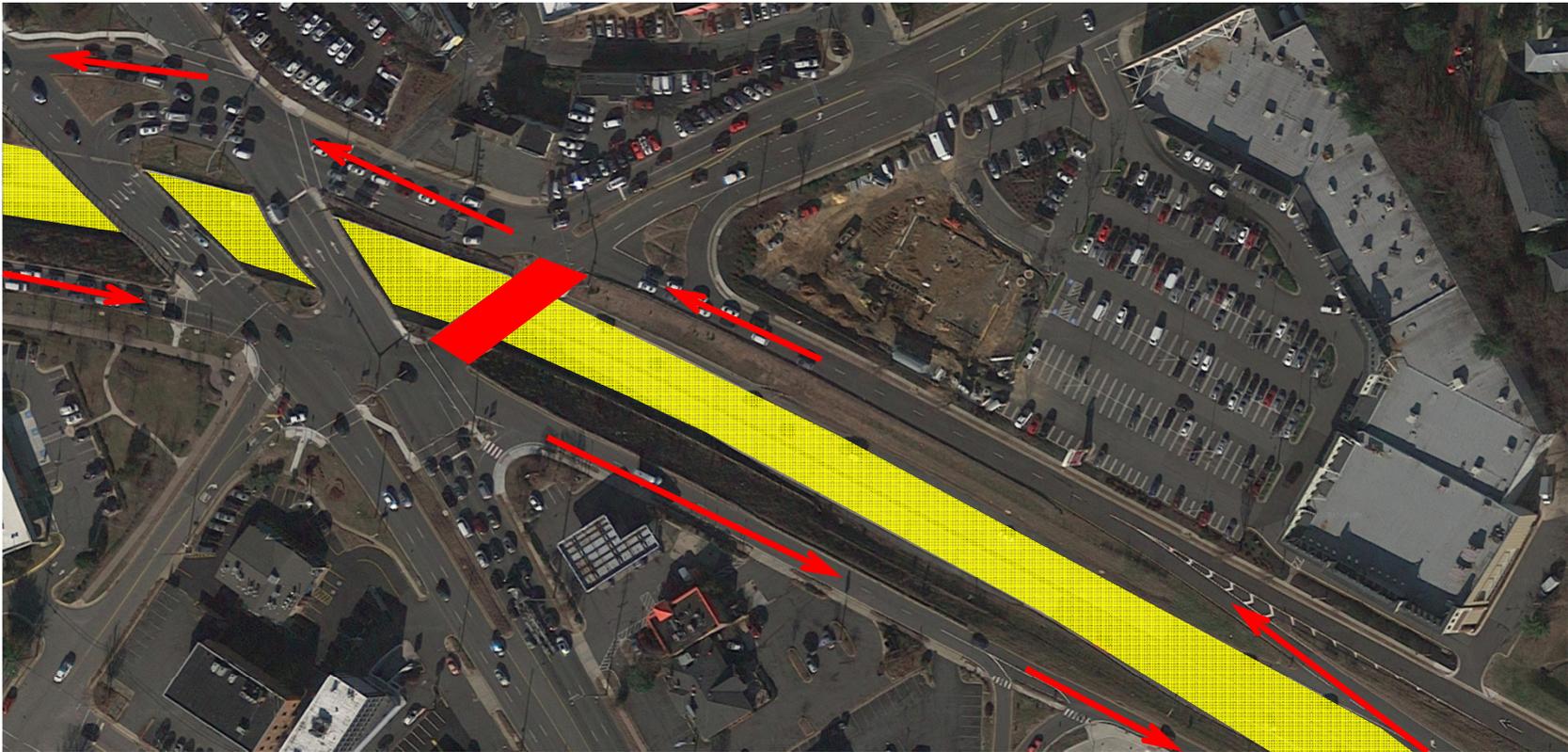
- Complete closure of Wilson Blvd bridge (shown in red).
- Complete closure of Route 50 (shown in yellow).
- Route 50 detour onto existing ramps (red arrows).

MAINTENANCE OF TRAFFIC (MOT) Weekend Closure of Route 50



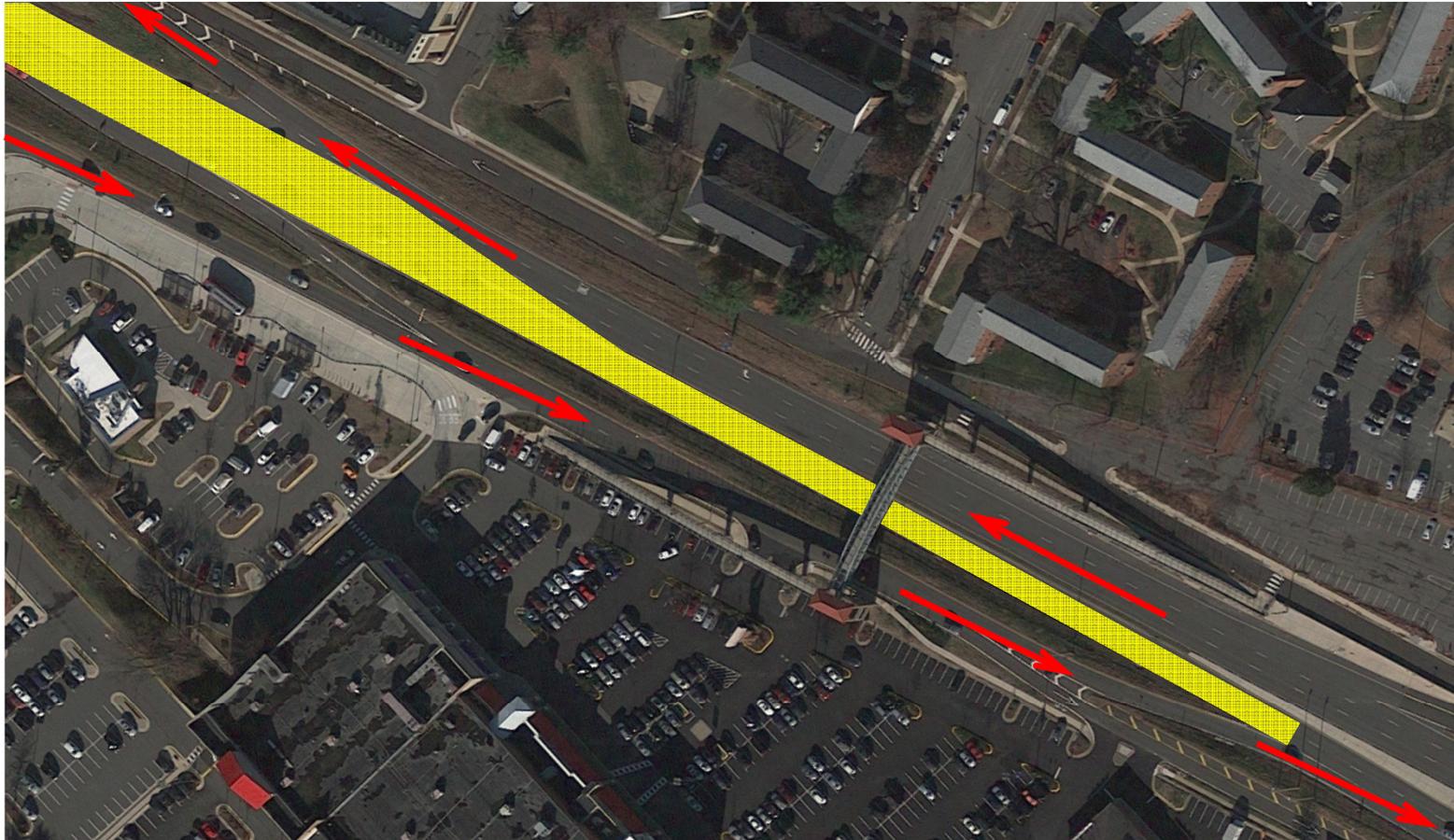
Western Segment

MAINTENANCE OF TRAFFIC (MOT) Weekend Closure of Route 50



Central Segment

MAINTENANCE OF TRAFFIC (MOT) Weekend Closure of Route 50



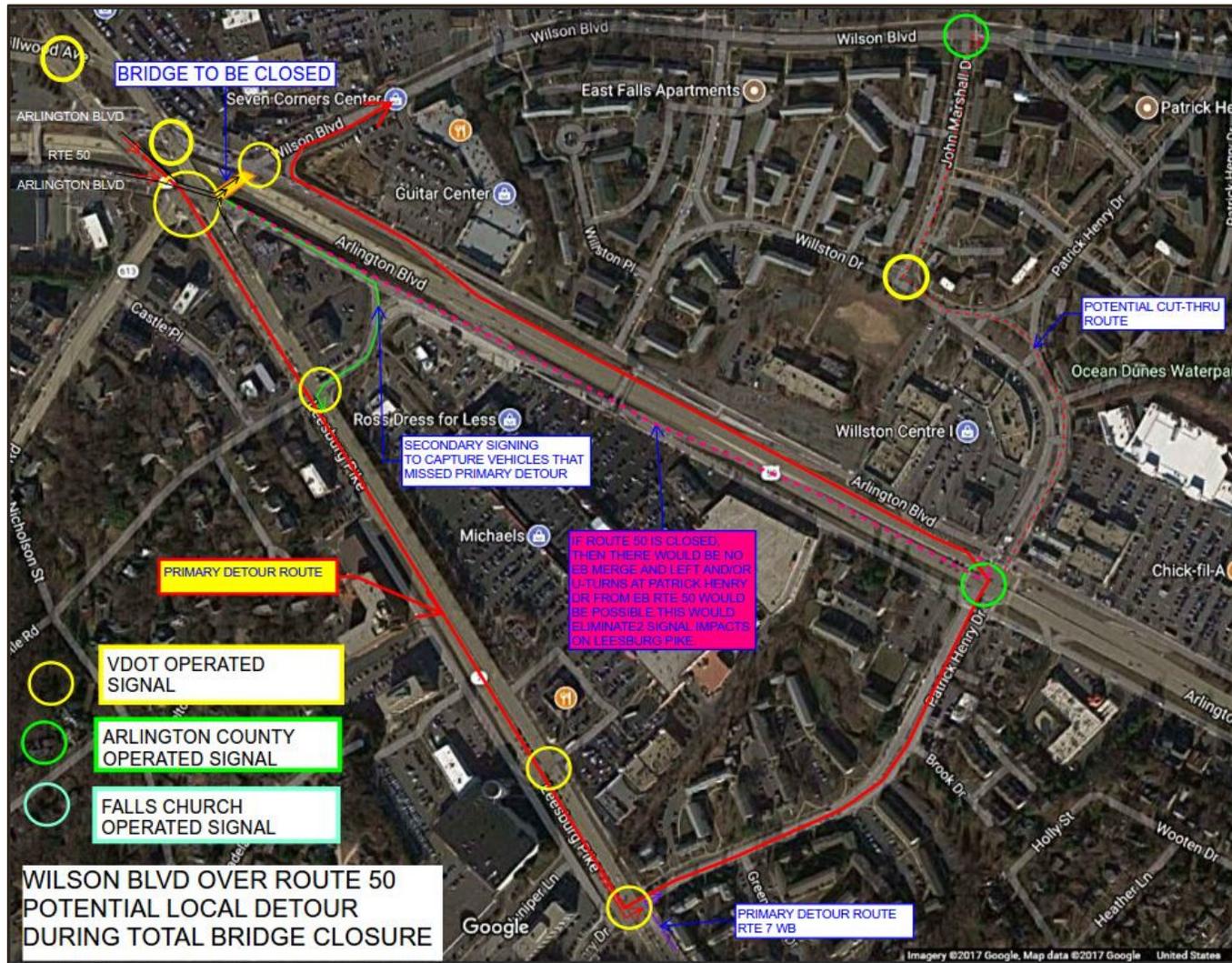
Eastern Segment

MAINTENANCE OF TRAFFIC (MOT) Weekend Closure of Wilson Blvd Bridge



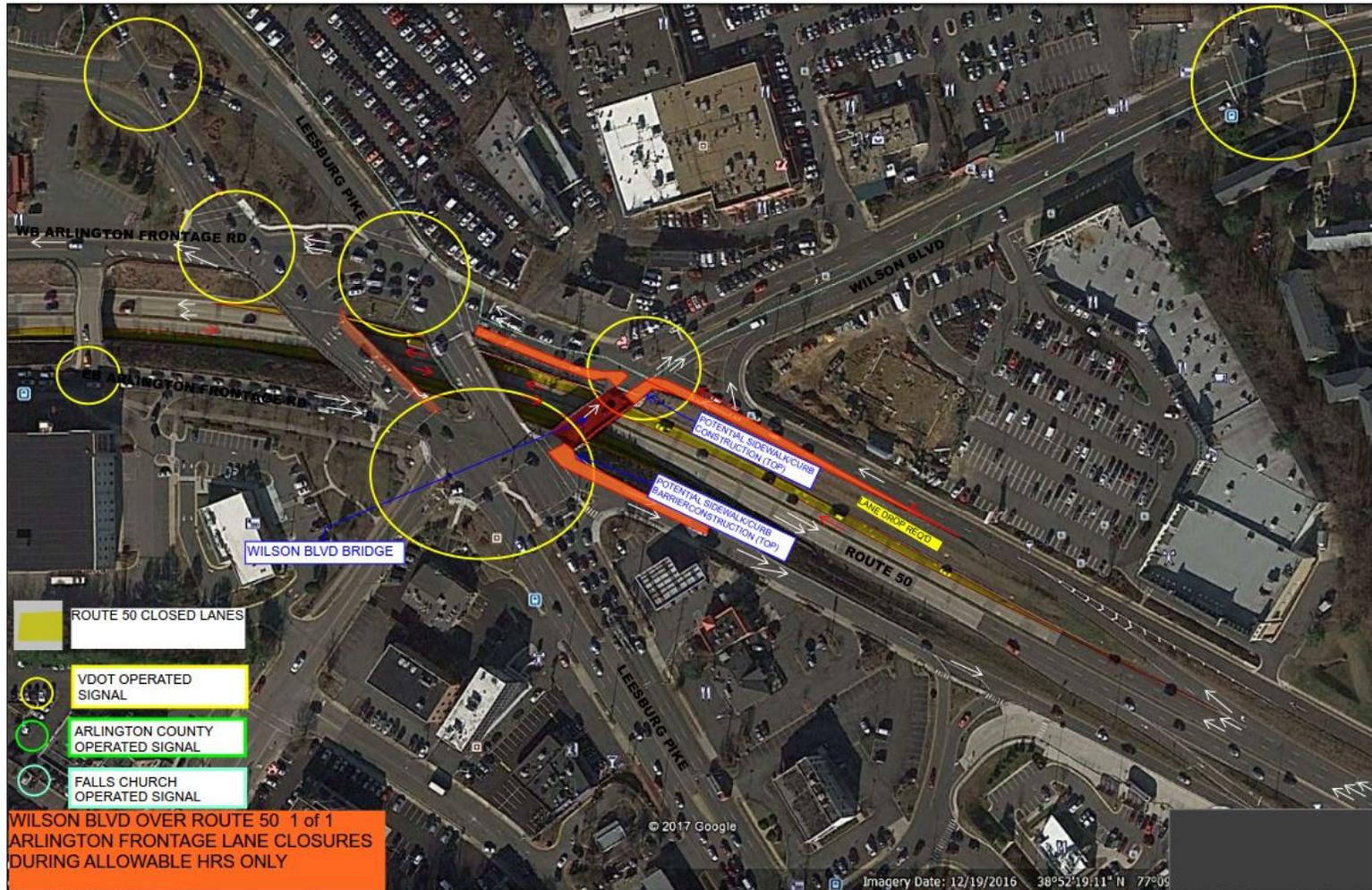
Proposed Detour for EB Wilson Blvd (Late Summer 2019)

MAINTENANCE OF TRAFFIC (MOT) Weekend Closure of Wilson Blvd Bridge



MAINTENANCE OF TRAFFIC (MOT)

Off Peak Lane Closures Before & After Weekend Closure



Off-Peak Single Lane Closures on Wilson Blvd and Route 50 before and after the weekend closure for construction of bridge bearings, curbs and sidewalk

ANTICIPATED SCHEDULE AND COST

Anticipated Schedule:

Construction – Bridge Repair

- Advertisement for Construction: November 13, 2018
- Begin Construction: March 2019
- Construction Completion: November 2019

Estimated Project Cost: (State of Good Repair Funded)

Total Cost: \$3.6 million

Preliminary Engineering \$ 600,000

Construction \$ 3.0 million

THANK YOU

QUESTIONS & COMMENTS