Transportation Commission
WORK SESSION

May 18, 2016

2016 Transportation Long Range Plan

Work Session

Proposed Schedule

April	Overview / Guidance / Methodology for LRP update (Study Session)
May	Review draft of new LRP projects / Removed projects (Study Session)
June	Initial screening of projects
July	Finalize screening of projects (Draft LRP)
Sept.	Public Hearing Adoption of LRP by Transportation Commission

Removed Projects

- #15-21 – S. Van Dorn Street Improvements
- #15-23 – West End Commuter Hub

Projects moved to Developer Contingent List

- #15-4 - Pedestrian / Bicycle connection from Potomac Yard to Four Mile Run Trail
- #15-18 – Library Lane Extension
- #15-22 – Elizabeth Lane Extension
- #15-26 – New road to Four Mile Run Park

Consolidated Projects

New 01

- #15-5 – Mt. Vernon at Russell Road
- #15-6 – Mt. Vernon at Four Mile Road
- #15-7 – Mt. Vernon at E/W Glebe Road

New 02

- #15-24 – Van Dorn at Braddock Road
- #15-25 – Beauregard at Braddock Road

- #15-28 – Quaker at Seminary (Consolidate with New project #10)

Studies for Removal

- #15-7 – Edsall from Van Dorn to S. Pickett
- #15-8 – Commonwealth Ave / Reed Ave Signal

Studies to be Consolidated

- #15-3 – Feasibility of a pedestrian connection between the Braddock Metrorail station and the Northern gateway through Braddock Place development
- #15-4 – Feasibility of a walking route along the road parallel to the Metrorail embankment to also include transit and bike

New Study

- #New 02 – Braddock Road Multimodal Connections (Removed from CIP)

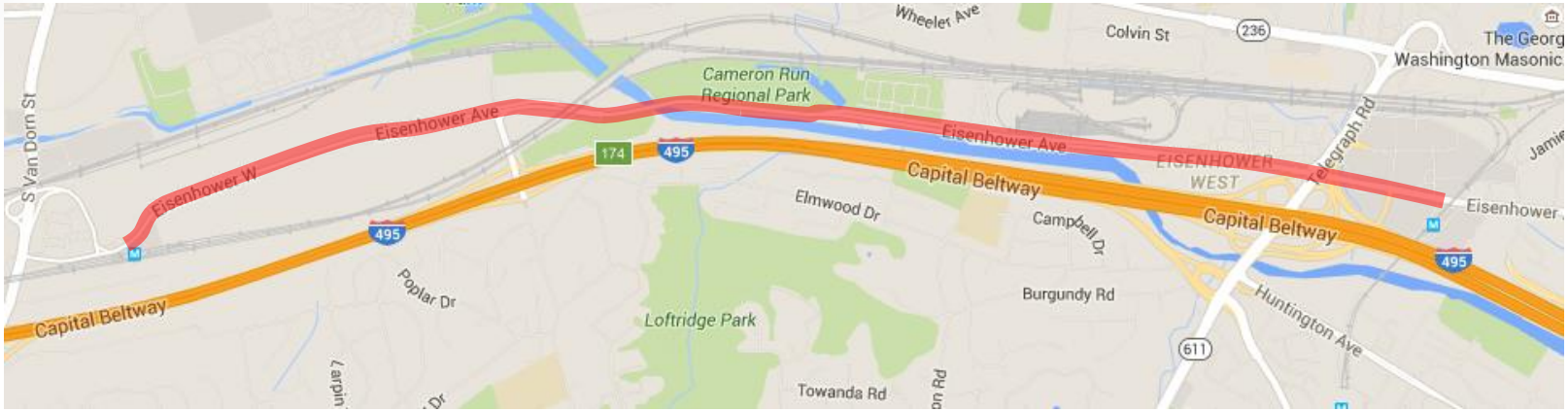
2016 LRP New Projects

- Two new projects based on consolidation of 2015 projects
- 14 projects from recently approved plans
  - Eisenhower West Small Area Plan
  - Route 1 / Oakville Triangle Corridor Plan
  - Pedestrian and Bicycle Master Plan
  - Four Mile Run Restoration Plan *(Project removed from Complete Streets program)*

Van Dorn Intersection Improvements (New 03)

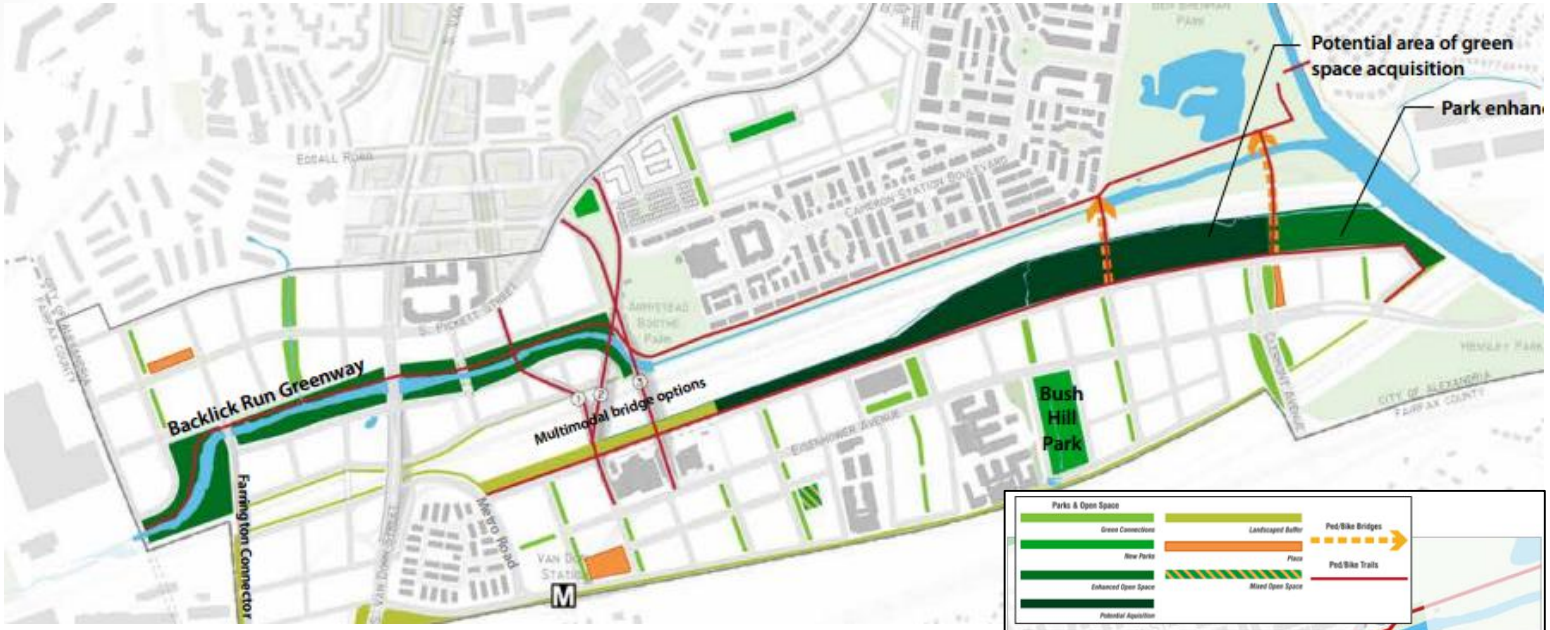
- Van Dorn at Edsall (Add WB right turn lane)
- Van Dorn at New Main Street (Add WB right turn lane)
- Van Dorn at Eisenhower (Add EB/WB Thru lane)

Eisenhower Avenue Enhanced Transit Service (New 04)



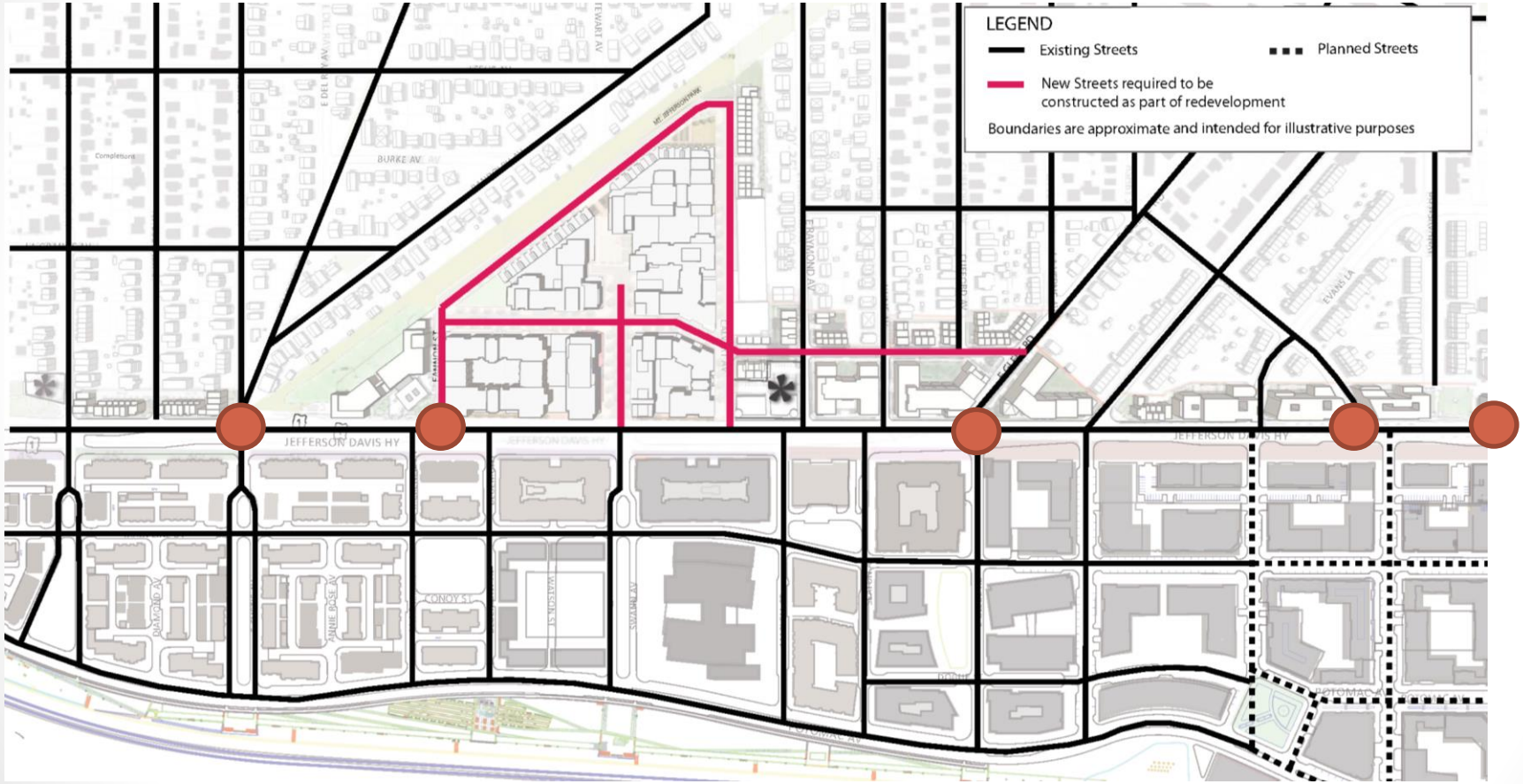
- Recommended in Eisenhower West Small Area Plan
- Between Van Dorn Metrorail station and Eisenhower Ave. Metrorail station
- 15 min peak headway and 30 min off-peak headway
- Requires two new buses
- New shelters
- Transit Signal Priority
- Real time information

Non-Motorized Bridge over Cameron Run (New 05)



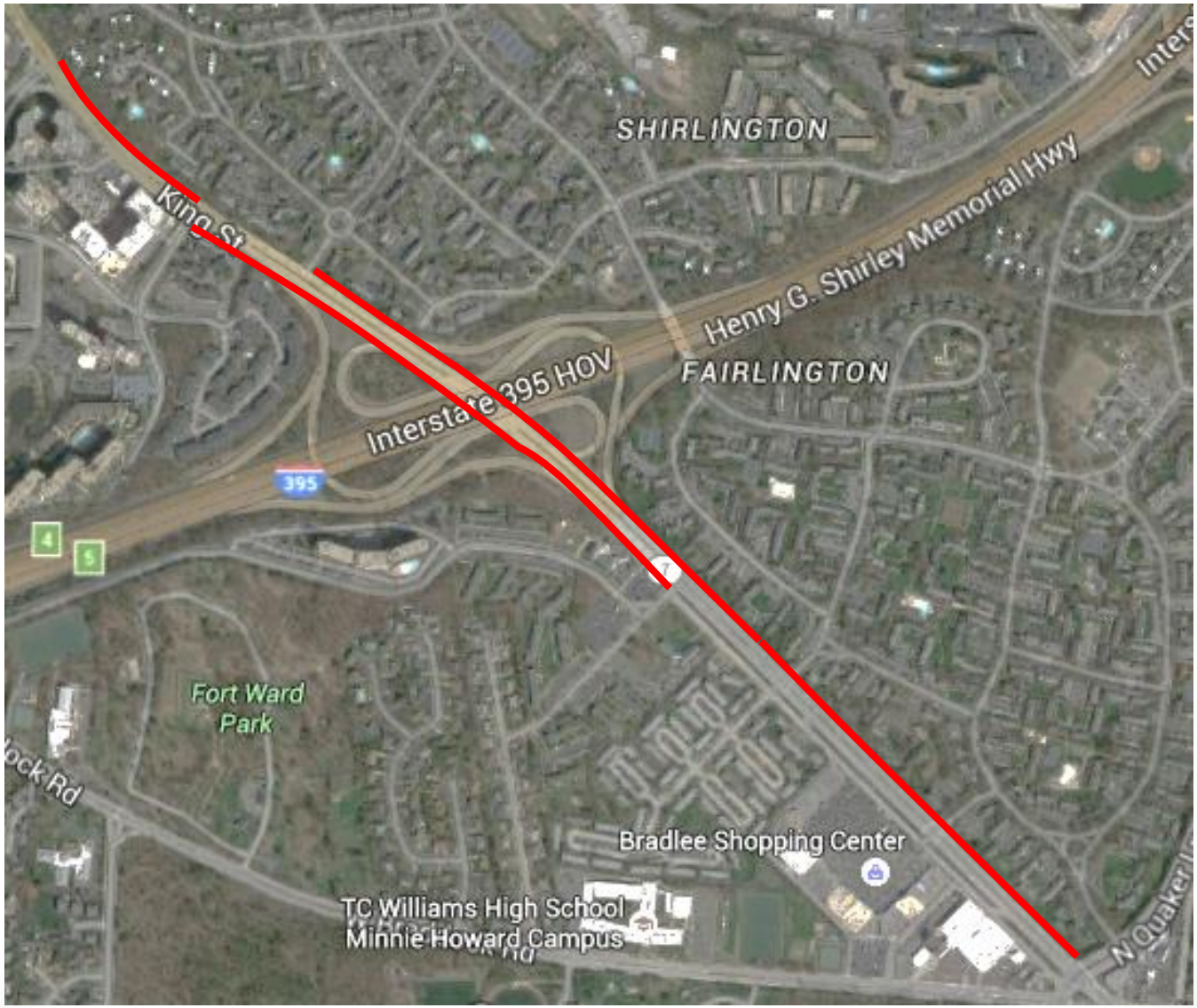
- Recommended in Eisenhower West Small Area Plan
- Connects Eisenhower Valley and Ben Brenman Park / Cameron Station

Route 1 Intersection Improvements (New 06)

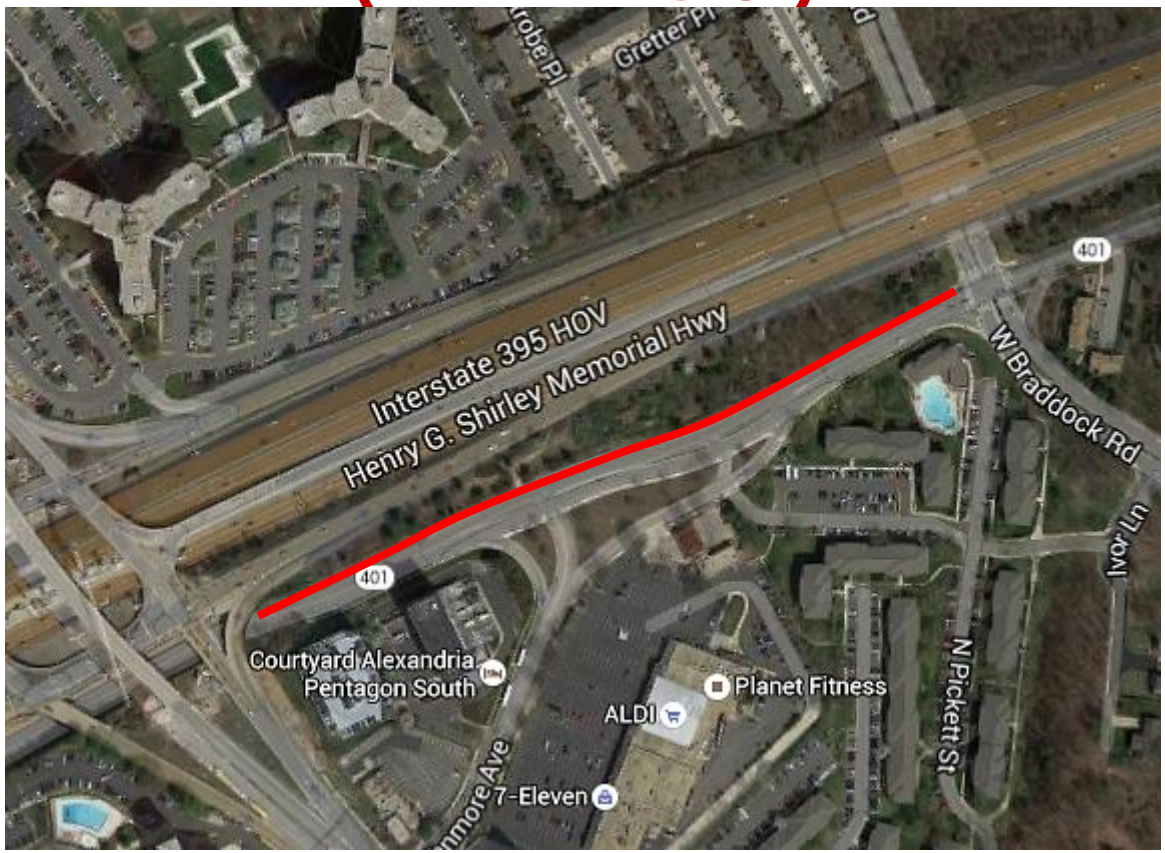


- Route 1 / Custis
- Route 1 / Fannon (Pedestrian signal)
- Route 1 / E. Glebe
- Route 1 / Montrose
- Route 1 / E. Reed

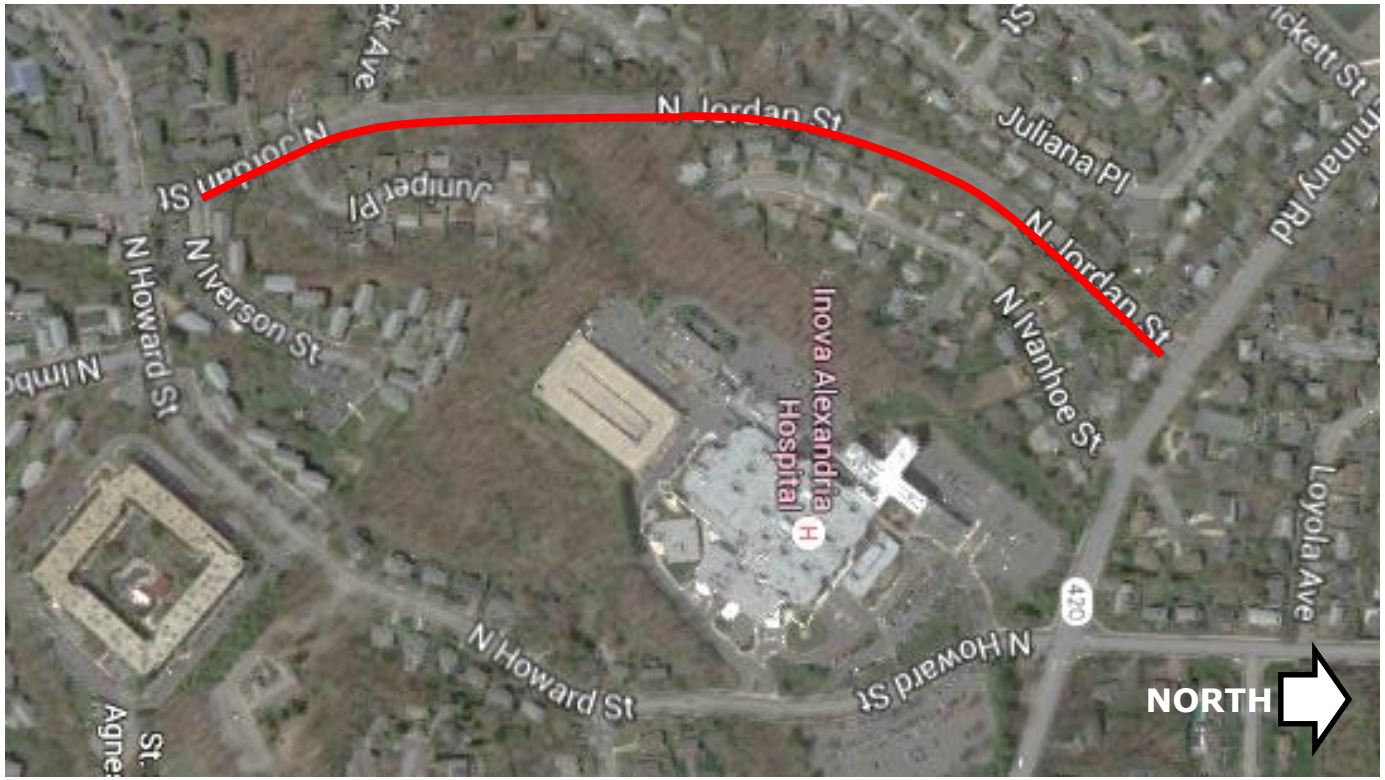
King Street Sidewalk, Quaker Lane to N. Hampton (New 07)



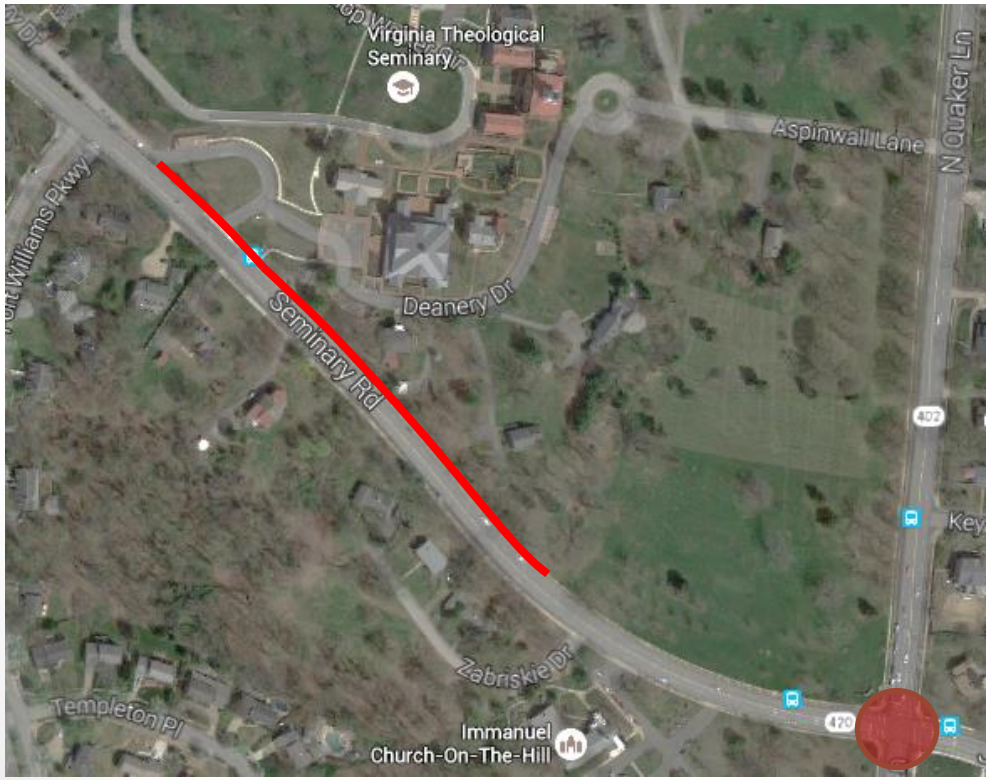
Van Dorn Sidewalk, Kenmore to Braddock (New 08)



N. Jordan Street Sidewalk, Howard St. to Seminary Road (New 09)

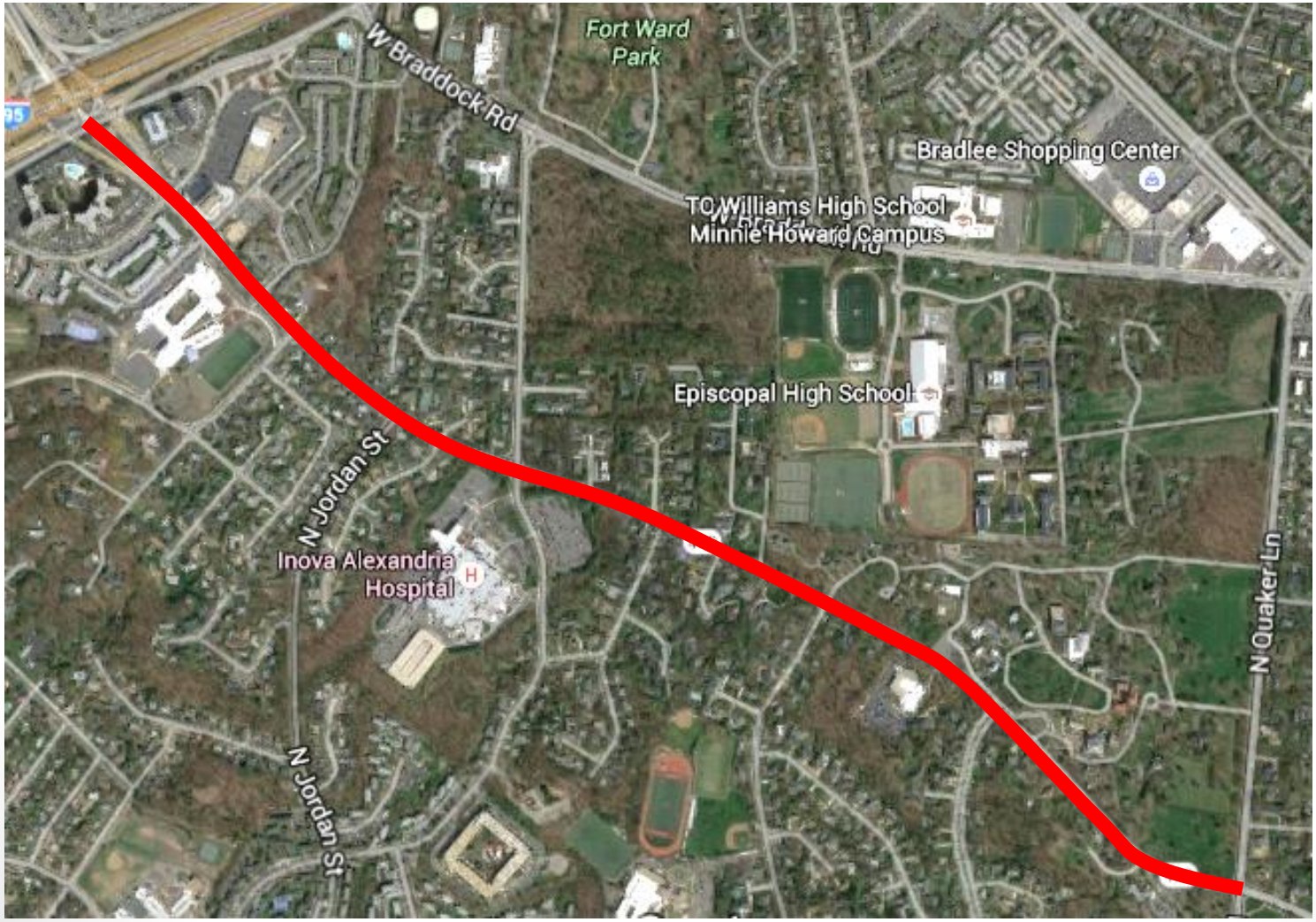


Seminary Road Safety Improvements, Quaker Lane to Ft. Williams Pkwy, (New 10)

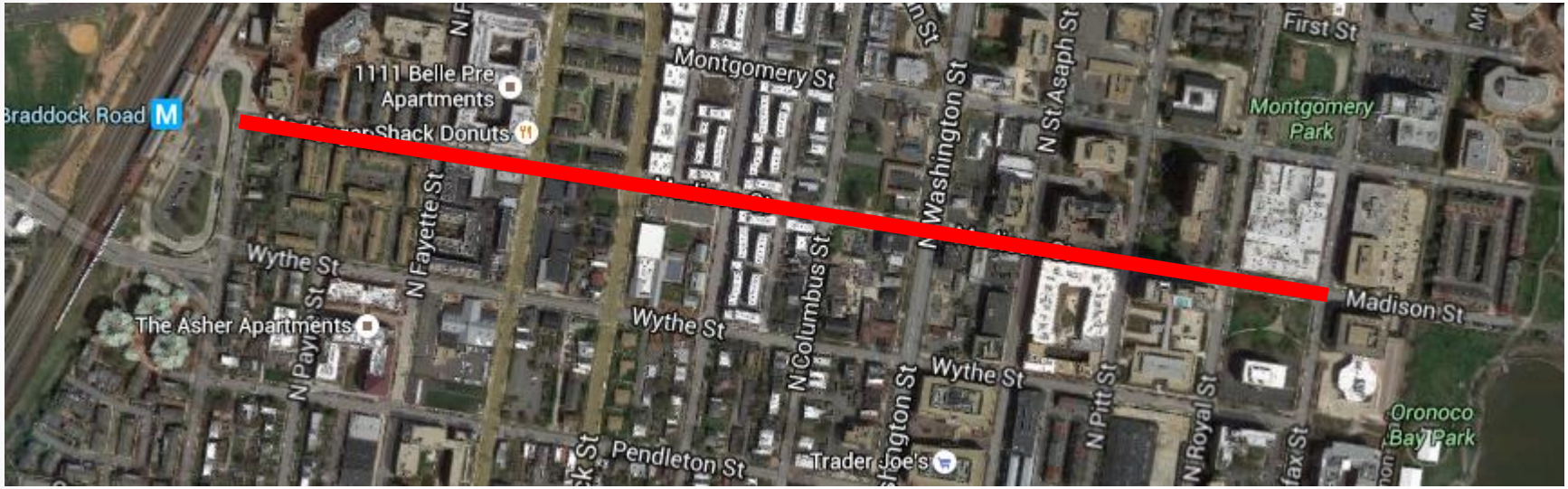


- Sidewalk on north side from Zabriskie to Ft. Williams Pkwy.
- Intersection improvements at Seminary and Quaker

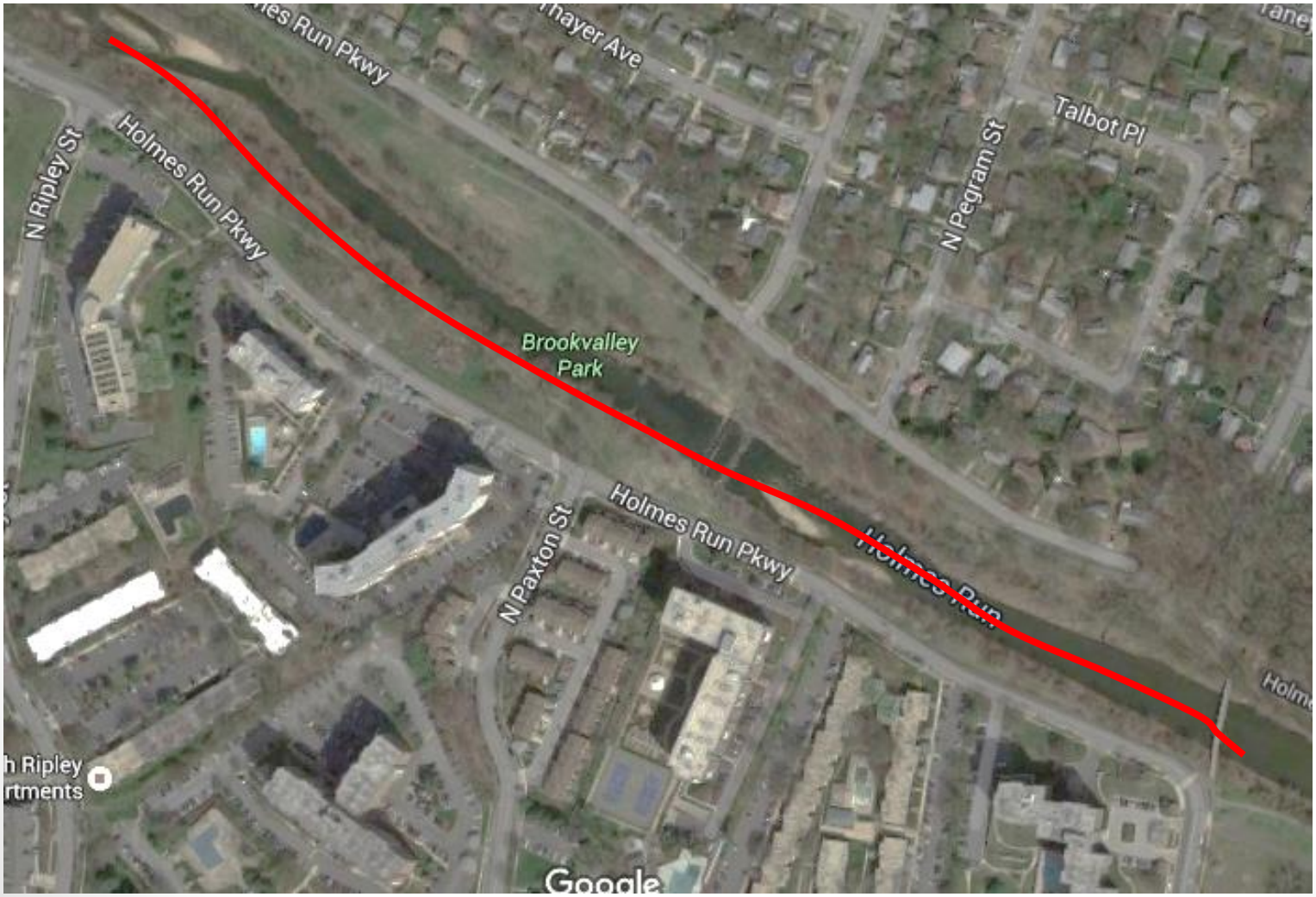
Seminary Road Bicycle Facility, N. Van Dorn to Quaker Lane (New 11)



Madison Street Bicycle Facility (New 12)



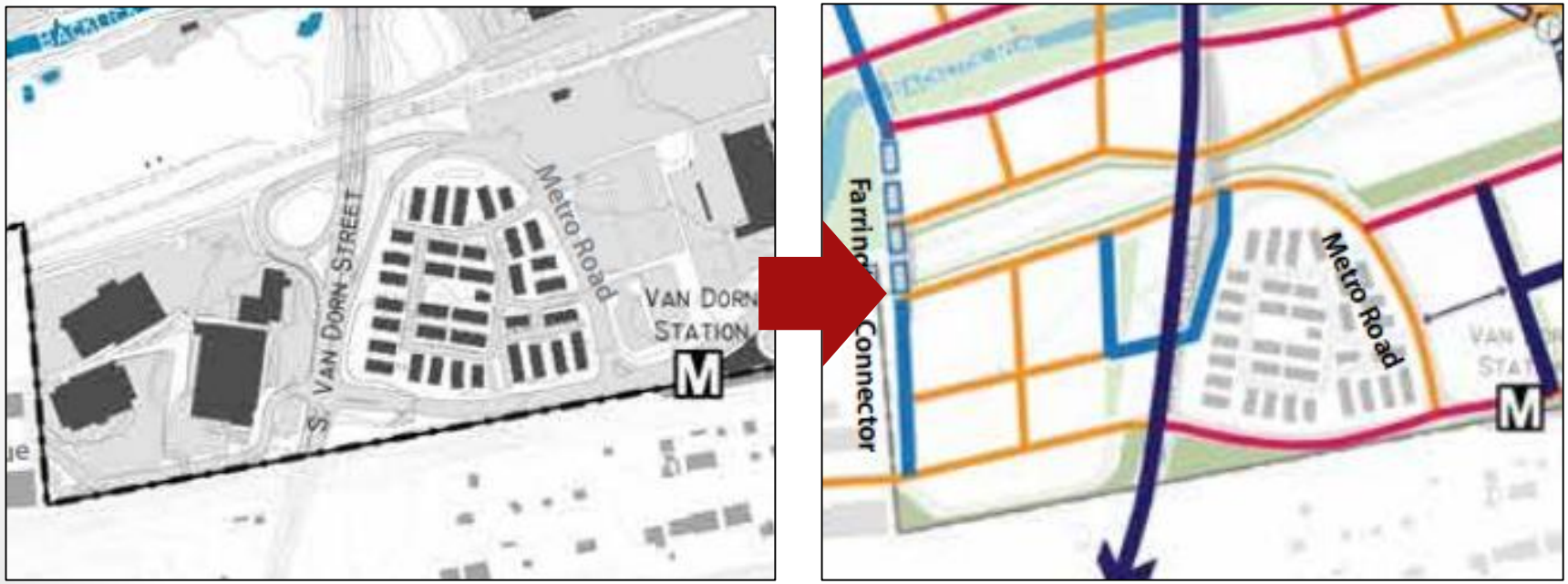
Trail on south side of Holmes Run (Ripley St. to N. Pickett) (New 13)



Commonwealth Avenue Green Street (New 14)

Realigned Eisenhower Avenue (Development Contingent) (New 15)

Realigned Metro Loop Road / Grid west of Van Dorn (Development Contingent) (New 16)



Considerations

- Have we addressed all of the needed projects to add?
- Should the “Development contingent” projects also be evaluated / ranked?
- Are there any needed changes to the evaluation criteria?

Next Steps

- May / June - Commissioners do their individual scoring of projects
- June 15 – Review scores of Commissioners

Transportation Commission
REGULAR MEETING

May 18, 2016

COMMISSION MINUTES: April 2016 Meeting

Agenda Item #1

Updates to Receive (Consent)

Agenda Item #2

Commission Updates

Agenda Item #3

FY17 70% Funding Program TOWN HALL

Agenda Item #4

Overview

- FY2017 Program is a one-year program
- Last program based on TransAction 2040
- First program in which all projects are subject to the HB 599 process
- Coincides with the HB 2 process
- 24 Candidate Projects
  - $667,843,951 requested;
  - $266,700,000 est. available (PayGo)

Interim Project Evaluations

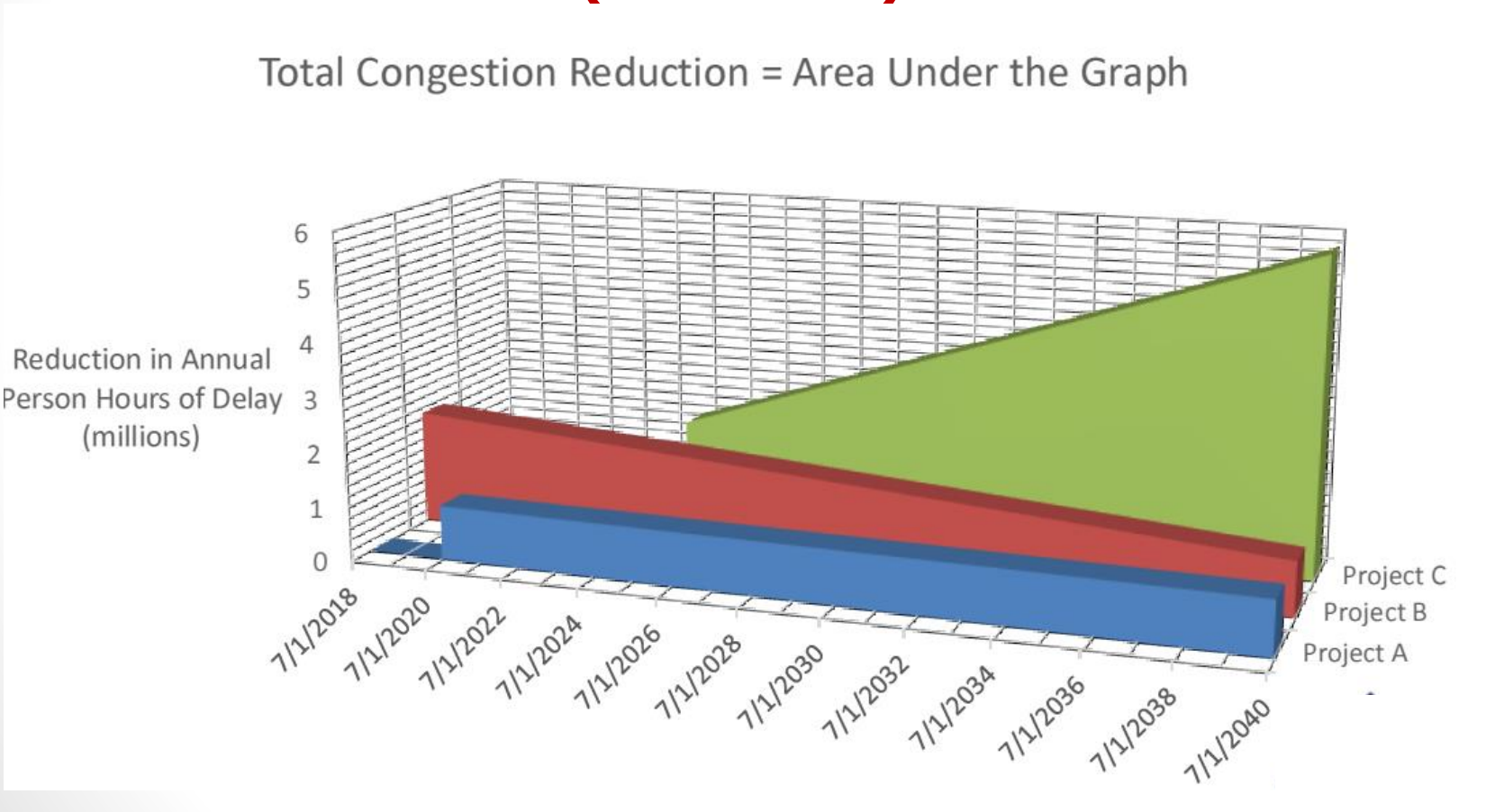
- NVTA Quantitative Scores
  - Incorporates HB 599 rating for 2040 (weighting: 45%)
  - Eight other criteria (weighting: 55%)
- Congestion Reduction Relative to Cost (CRRC) Ratios
  - Uses selected HB 599 outputs for 2020 and 2040
  - Total project cost
- Qualitative Considerations
  - Continuity of Project Funding
  - Cost Sharing
  - Geographic and Modal Balance
  - Other (HB2, NVTC's Transform 66 Multimodal)

NVTA Quantitative Scores

Criteria		Weighting
• Congestion Reduction:		45%
• Project Readiness:	15%	55%
• Reduce VMT:	5%	
• Safety:	5%	
• Connectivity*:	10%	
• Improved Bike/Ped:	10%	
• Management/Ops:	5%	
• Cost Sharing:	5%	

Note: * two criteria

Congestion Reduction Relative to Cost (CRRC) ratios



Qualitative Considerations

- 12 projects requesting continuation funds
  - Invoicing history and current status not supportive of immediate need for FY2017 Program funds
  - 2 projects with apparent cost overruns
- 10 projects subject to HB2 or Transform 66 Multimodal project selection processes

24 Candidate Projects

Project ID	Jurisdiction/ Agency	Project Title	FY2017 NVTA Funding Request	Total Project Cost	Phase Funded*	CRRC** Ratio	Rank	NVTA Quantitative Score	Rank
6R	Arlington	Lee Highway Corridor Intelligent Transportation System Enhancements	$3,000,000	$3,000,000	Des, Eng, ROW, Con	1.56	1	51.08	7
3M	Fairfax	Route 28 Widening: Prince William County Line to Route 29	$5,000,000	$68,910,000	Des, Eng, Env, ROW, Con	0.52	2	65.34	5
3P	Manassas	Sudley Road Westbound Third Lane: Godwin Drive to Dorsey Circle	$7,400,000	$7,400,000	Des, Eng, Env, ROW, Con	0.4	3	37.07	23
3Q	VRE	Manassas Park Station Parking Expansion	$2,000,000	$19,600,000	Eng, Env, Des	0.4	3	33.33	24
6W	Falls Church	Bikeshare Connections to Orange and Silver Line Metrorail Stations	$2,000,000	$2,000,000	Des, Eng, ROW, Con, Acq	0.36	5	47.66	12
5D	Fairfax	Route 286 Fairfax County Parkway Widening: Route 123 to Route 29	$10,000,000	$82,400,000	ROW	0.33	6	49.22	9
3N	Prince William	Route 28 Widening: Route 234 Bypass to Linton Hall Road	$10,000,000	$28,774,000	Con	0.32	7	47.2	15
9P	Fairfax	Connector Buses (11 New)	$5,500,000	$5,500,000	Acq	0.3	8	40.18	19
8BB	Prince William	Route 1 Widening: Featherstone Road to Marys Way	$11,000,000	$85,725,114	Con	0.26	9	58.36	6
8FF	WMATA	Blue Line Traction Power Upgrades	$17,443,951	$88,625,564	Eng, Con	0.25	10	65.61	4
1S	Fairfax	Route 7 Widening: Colvin Forest Drive to Jarrett Valley Drive	$10,000,000	$135,900,000	ROW	0.18	11	66.24	2
6T	Fairfax	I-66/Route 28 Interchange Improvements	$370,000,000	$385,000,000	Des, Eng, Env, ROW, Con	0.16	12	73.57	1
7D	Fairfax	Braddock Road HOV Widening: Burke Lake Road to I-495	$6,200,000	$62,300,000	Des, Eng, Env	0.14	13	40.62	18
8Y	Arlington	Crystal City Streets: 12th Street Transitway, Clark/Bell Realignment & Intersection Improvements	$11,600,000	$11,600,000	Des, Eng, Env, Con	0.13	14	48.74	11
8EE	Dumfries	Route 1 (Fraley Blvd) Widening: Brady's Hill Road to Dumfries Road	$16,500,000	$168,766,000	ROW	0.13	14	47.47	13
6S	Arlington	East Falls Church Regional Connections and Access	$6,500,000	$6,500,000	Des, Eng, Env, Con, Acq	0.12	16	49.32	8
8DD	Alexandria	Potomac Yard Metrorail Station	$66,000,000	$287,484,000	Des, Con (Design-Build)	0.08	17	66.2	3
8CC	Alexandria	West End Transitway	$7,000,000	$142,414,938	Des, Eng	0.05	18	49	10
1U	Leesburg	Route 7 (East Market Street)/Battlefield Parkway Interchange	$37,000,000	$58,000,000	Con	0.05	18	43.06	16
8AA	Fairfax	Route 1 Widening: Mount Vernon Memorial Highway to Napper Road	$5,000,000	$215,000,000	Eng, ROW	0.03	20	47.46	14
6V	Prince William	Route 15 Widening: Route 55 to south of RR tracks & Construct RR Overpass	$20,000,000	$45,000,000	Des, ROW, Con	0.03	20	39.91	20
6U	Fairfax	Seven Corners Ring Road Improvements	$5,000,000	$52,100,000	Des, Eng, Env, ROW	0.03	20	39.05	21
8Z	Fairfax	Frontier Drive Extension & Intersection Improvements	$15,000,000	$84,500,000	Des, Eng, Env, ROW	0.03	20	37.79	22
1T	Herndon	East Elden Street Improvements & Widening	$18,700,000	$35,611,000	ROW, Con	0.01	24	42.79	17
		TOTAL:	$667,843,951	$2,082,110,616					

Next Steps

- May:
  - Public comment period (5/13 – 6/17)
  - Jurisdictions host Town Hall meetings (optional)
  - NVTA Finance Committee receives initial briefing on PayGo and debt capacity(5/19)
- June:
  - NVTA Public Hearing (6/9)
  - Finance Committee (6/16)
  - CTB adopts Six Year Improvement Program (6/14)
  - NVTA staff present updated project evaluations to PPC (7/1)
- July:
  - NVTA adopts FY2017 Program (7/14)

Questions

For More Information Please Visit:
http://www.thenovaauthority.org/

Public Comments
email: FY2017Program@TheNoVaAuthority.org

mail: 3040 Williams Drive, Suite 200, Fairfax, VA 22031

phone: 703-642-4652

NVTA TransAction Plan Update

Agenda Item #5

Overview

- This TransAction update is the first since the implementation of HB 2313(2013)
  - Per the legislation, the Authority can only fund regional projects that are included in its current long range transportation plan (TransAction 2040) or subsequent updates
- TransAction, when adopted, will provide a multi-decadal vision for transportation improvements in NoVA & will guide the development of the Authority's FY2018-23 Six Year Program

Spring 2016 Outreach

- 5 workshops & 10 Pop-Up Events (May – June)
  - First workshop was held at Queen of Apostles on May 1, 2016 (En Español)
  - Pop-Up Event at Bike to Work Day at Market Square and along King Street on May 20, 2016

Current Work Products

- Foundational research on transportation planning best practices and trends that may affect future travel patterns (Complete)
- Development of Future Scenarios, Needs, Solutions (Ongoing)
  - Identification of future regional transportation needs and development of a database of candidate regional projects that may address these needs

Project Database Development

- Pull vs. Push of Projects
  - Existing projects pulled from Comp Plans
- Update will evaluate the extent to which different 'packages' of projects address regional transportation needs in corridors or corridor segments
- Projects will be also be modeled using three future scenarios

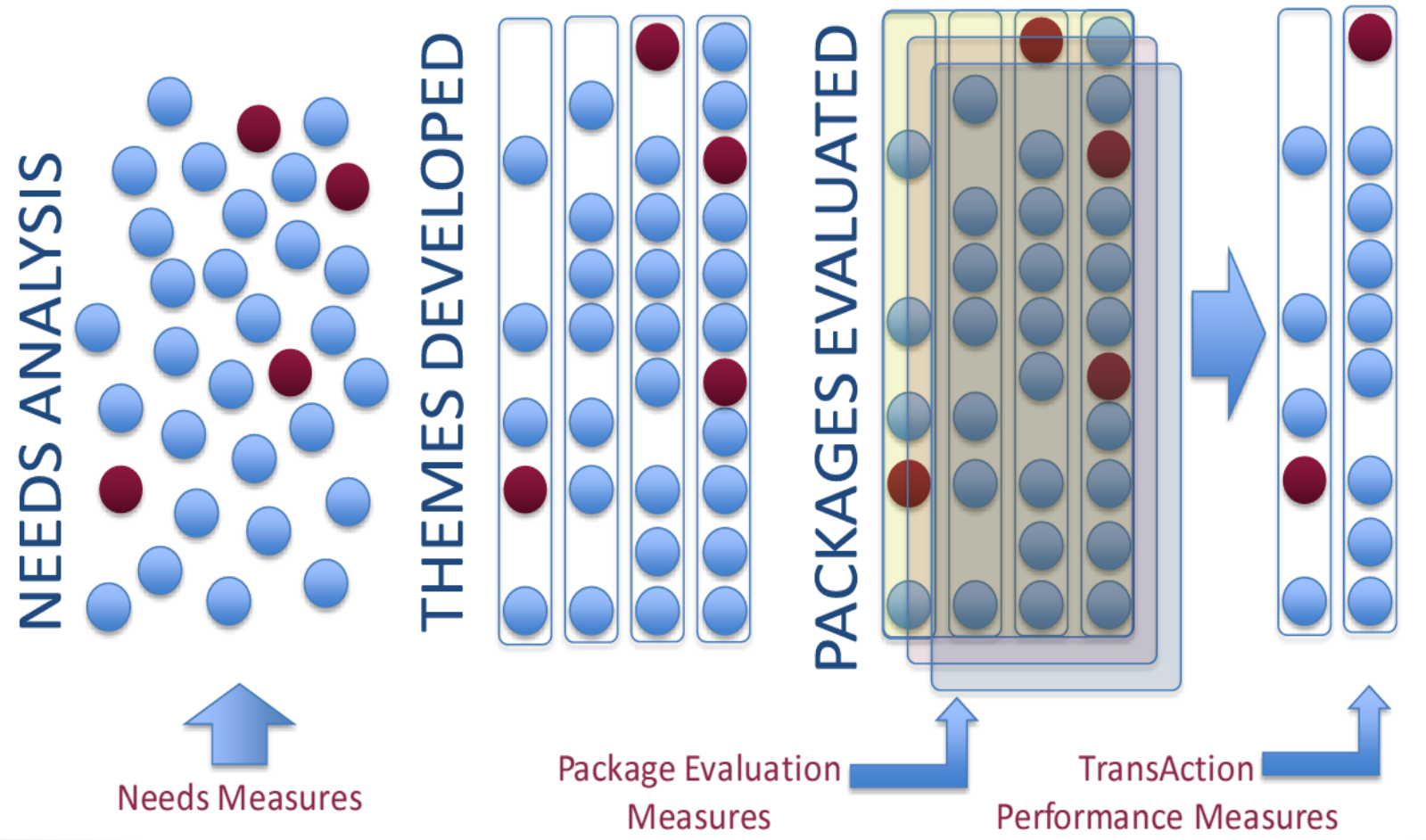
Status of Project Database

Jurisdiction	Projects
Arlington	78
Alexandria	64
Fairfax County	208
Falls Church	19
City of Fairfax	20
Loudoun	169
Prince William	176
Manassas	22
Manassas Park	9
Total Individual Projects	670*

Project Selection Methodology

Steps 1, 2, 3: Develop initial project database
Step 4: Develop corridor themes
Step 5: Consolidate smaller projects into larger scale projects
Step 6: Develop evaluation measures
Step 7: Conduct needs assessment
Step 8: Develop "themes" by corridor or corridor segment
Step 9: Develop corridor "packages" of projects
Step 10: Develop regional plan packages
Step 11: Test MWCOG 9.0 Land Use projections
Step 12: Develop and test "hybrid" regional plan packages

Application of Performance Measures



Proposed City Project List

- Staff met with AECOM on March 28, 2016
- AECOM met with all NVTA localities and with WMATA, VRE, PRTC and sent revised project list on April 21, 2016
- Grouped projects along corridors and/or by modes

Next Steps

- Provide project list to AECOM
- AECOM will finalize a set of proposed measures
- Projects will be evaluated through performance measures

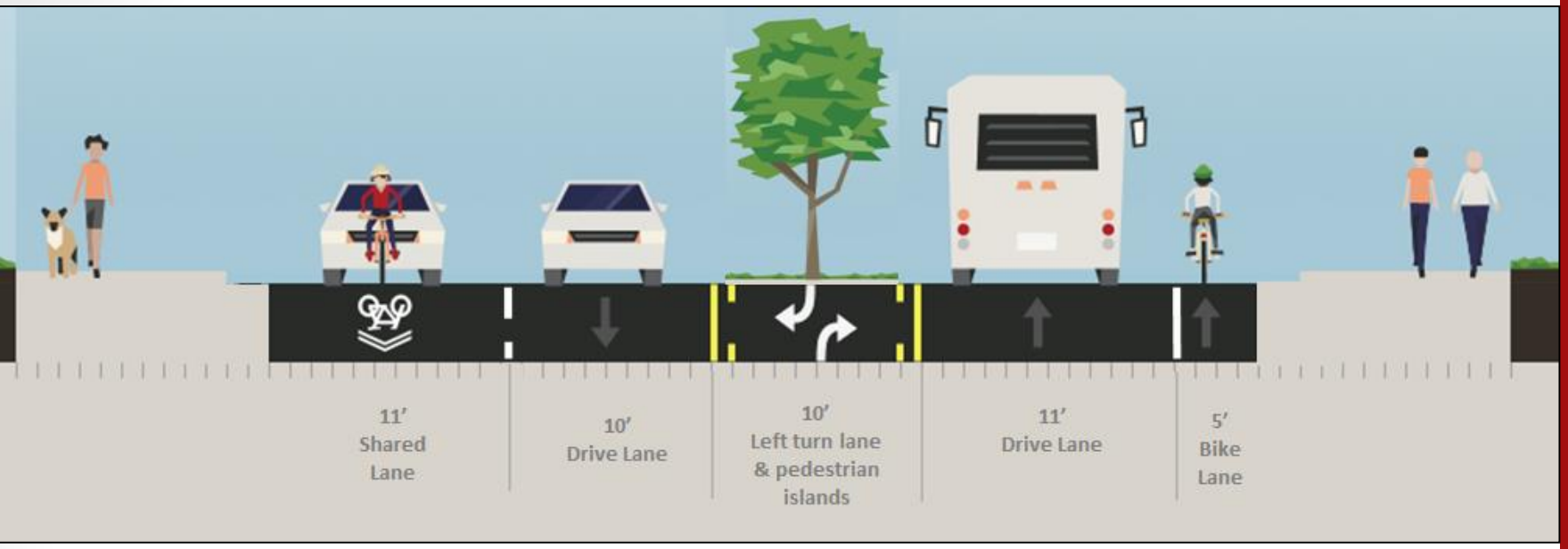
Questions

- Please visit: http://nvtatransaction.org/

King Street Complete Streets

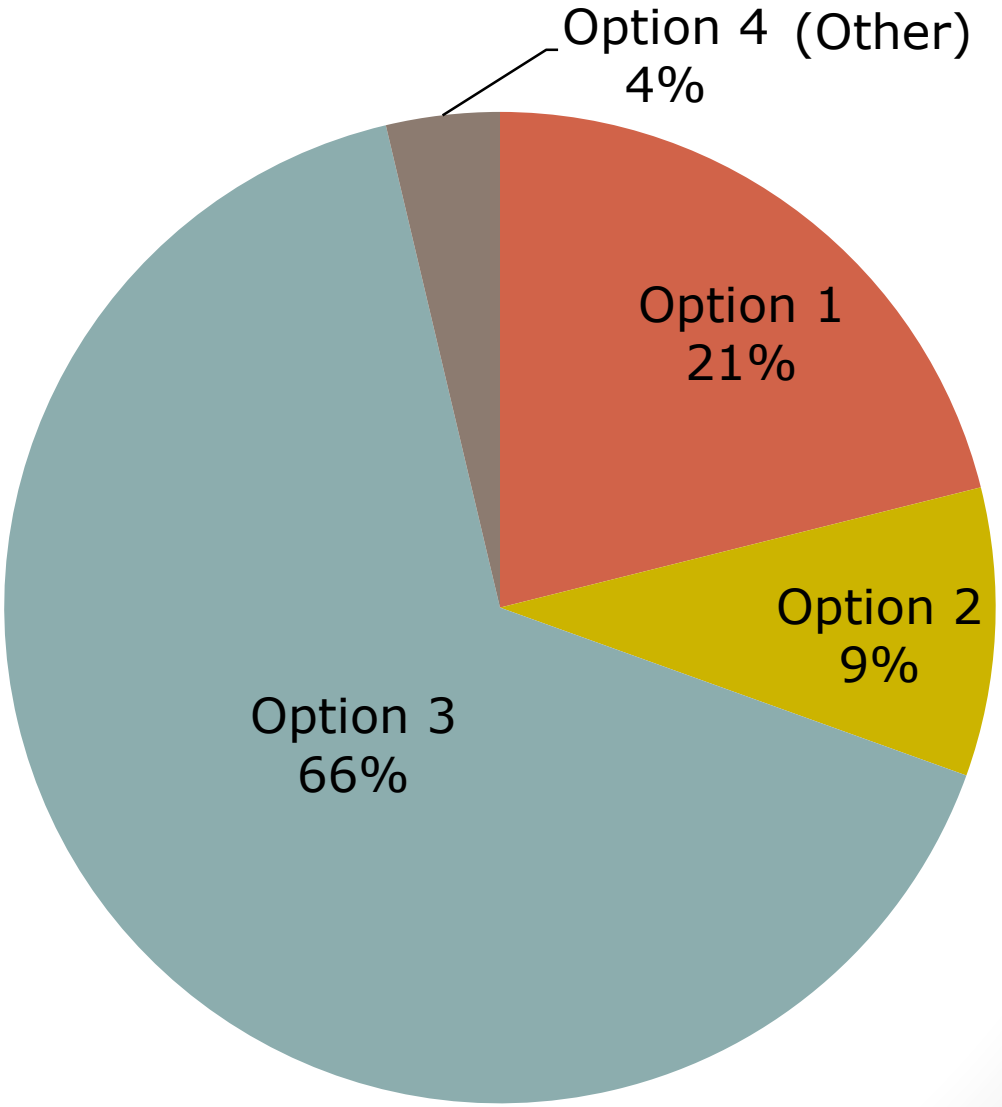
Agenda Item #6

King Street Complete Streets



AlexEngage Results

- 760 people responded to survey
- 200 people who live "in area" responded
- 215 additional comments



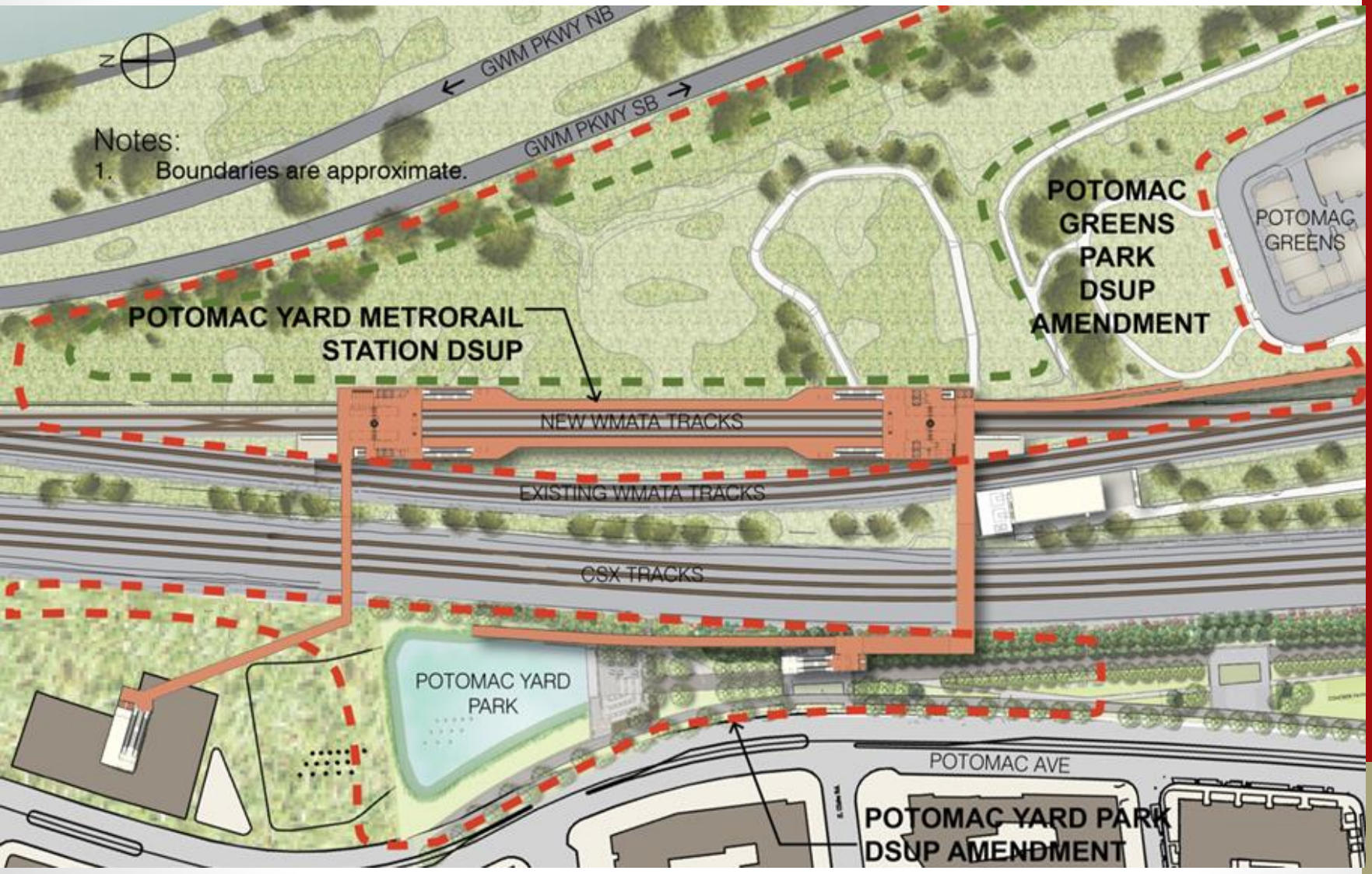
Public Outreach Process

- Public Meetings:
  - #1 - Received feedback on issues/concerns
  - #2 - Presented 3 options – feedback
  - #3 – Present proposed option and get feedback
- Group Meetings:
  - TC Williams PTA
  - Alexandria BPAC Meeting
  - Melrose Area residents
  - Kings Cloister Area Residents
- Civic Associations:
  - North Ridge Citizens' Association
  - Taylor Run Citizens' Association
  - Clover-College Park Civic Association
  - Seminary Hill Civic Association
- AlexEngage Poll – 760 Responses
- Commission updates:
  - Traffic and Parking Board
  - Transportation Commission

Potomac Yard Metrorail Station

Agenda Item #7

Potomac Yard Metrorail Station Approvals

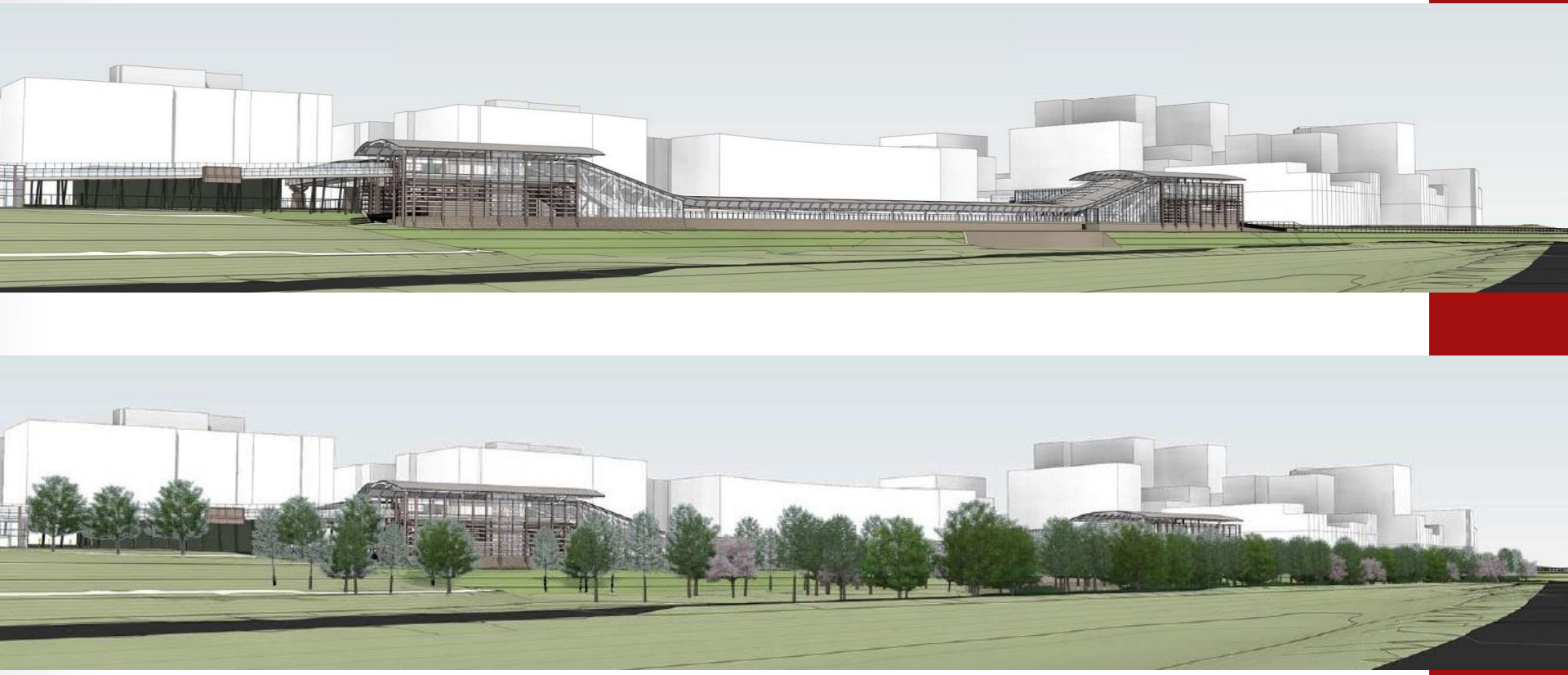


Metrorail Station Design

North mezzanine looking southwest

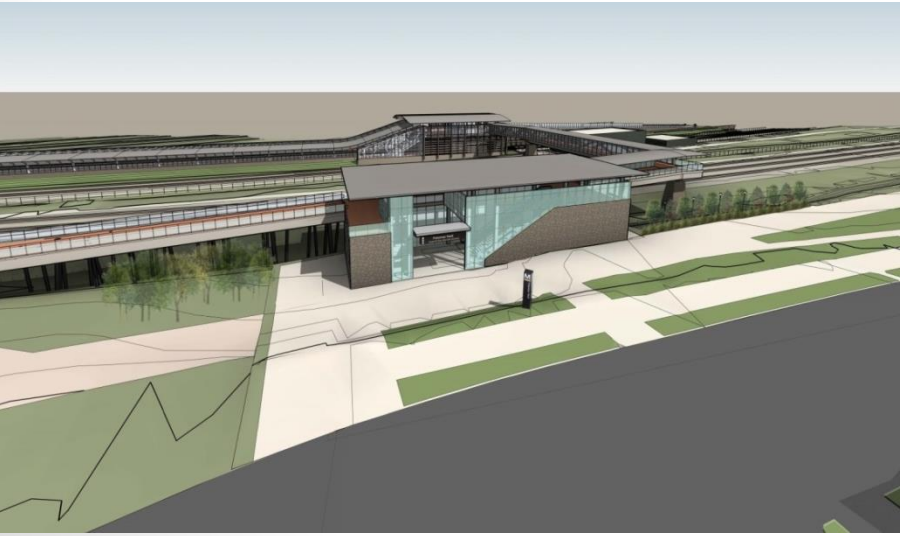
View from George Washington Memorial Parkway Southbound Lane with Landscaping

Metrorail Station Design



View from Parkway Northbound Lane

Entrance at East Glebe Road



Potomac Greens Park

Potomac Yard Park

Transportation Impacts

- Estimated Daily Ridership:
  - 2020: 5,000 daily riders
  - 2040: 11,300 daily riders
- Urban station with no park-and-ride or kiss-and-ride facilities
- Majority of riders will come by foot, bicycle, or bus
  - Bus access at northern entrance
  - Bike parking at each entrance
  - Station is expected to generate low levels of vehicular trips – no effect on overall intersection LOS

Upcoming Public Outreach

- Open Houses
  - May 23, 2016 (6:30 – 8:30 p.m., Charles Houston)
  - June 2, 2016 (6:30 – 8:30 p.m., Charles Houston)
- Del Ray Farmers Market
  - Saturday, May 28
  - Saturday, June 11
- Updates to Civic Associations
- Updates to Boards and Commissions

Next Steps

- Spring 2016
  - DSUP Process: June 2016 public hearing
  - Finalize EIS
  - Develop Request for Proposals (RFP) documents for the design-build contract
  - Develop construction mitigation elements
  - Develop concept-level cost estimate and update financial feasibility analysis
- Summer 2016
  - Advertise design-build contract
  - Records of Decision

WMATA Safe Track Plan

Agenda Item #8

SafeTrack Plan Overview

- June 2016 through May 2017
- Aims to fit 3 years of work into 1 year
- No additional early openings or late closings
- Service will end at **midnight** every night starting June 3
- Work will not be performed during three specific events (Independence Day, Presidential Inauguration, and Cherry Blossom Festival)
- First major repairs will take place between Franconia-Springfield and Van Dorn between **June 4- June 19**
- WMATA to dedicate 40 buses and operators as shuttles between major destinations

SafeTrack Results

- Installation of NTSB-recommended **boots and seals** on all 3rd rail cables by end of summer*
  - Note: All underground boots will be retrofitted by end of this month
- Replacement of **12,000 insulators**
- Remove **3rd rail expansion joints in underground system,** reducing risk
- Eliminate **ALL temporary gauge bars** that prevent spread of tracks
- Replacement of approx. **48,000 wooden ties** (achieves state of good repair)
  - Will need to replace 11,000 ties/year to maintain steady state
- Replacement of approx **36,000 direct fixation fasteners** (achieves state of good repair)
  - Will need to replace 18,000 fasteners/year to maintain steady state
- Clearing of **87,000 linear feet of drains**
- Extensive **tunnel leak mitigation**

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June 4 - 19 (15 days)

Continuous single tracking between Franconia-Springfield & Van Dorn St

REDUCED SERVICE AT FRANCONIA-SPRINGFIELD & VAN DORN ST ONLY

- Major impact to **18,000** weekday trips
- Trains from Franconia every **24 minutes**
- Trains from Van Dorn Street every **12 minutes**
- All other Blue Line stations will have near-normal service
- Some trains will run to/from Huntington instead
- Riders who use Franconia-Springfield or Van Dorn St stations should consider alternates, especially during rush hour
- Bus shuttles will be available during rush hour between Franconia and Pentagon

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July 5 10PM - **July 12** (7 days)

Line segment shutdown between National Airport & Braddock Road

REDUCED SERVICE AT ALL TIMES AT MANY STATIONS, PRIMARILY YELLOW/BLUE IN VIRGINIA

- Major impact to **50,000** weekday trips
- 50% reduction in rail service south of Pentagon **(trains every 12 minutes/line)**
- Blue/Yellow customers encouraged to consider alternate travel options during this time
- Shuttle buses operate via Metroway between Braddock Road, Crystal City and Pentagon City
- Service between DC and National Airport available via train

DRAFT

July 12 - 19 (7 days)

Line segment shutdown between National Airport & Pentagon City

REDUCED SERVICE AT ALL TIMES AT MANY STATIONS, PRIMARILY YL/BL IN VIRGINIA

- Major impact to **86,000** weekday trips
- 50% reduction in rail service south of Pentagon
- Shuttle buses operate via Metroway between Braddock Road, Crystal City and Pentagon City
- Reagan National Airport served via shuttle bus to/ from Pentagon City & Braddock Road
- Blue/Yellow customers encouraged to consider alternate travel options during this time
- Blue Line every **12 minutes**
- Yellow Line every **12 minutes**
- No Rush+ Yellow

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City Preparations

- 68 days total impact to lines that directly serve the City but we are planning for system wide impacts

- External
  - Parking, shuttles & DASH coordination
  - Traffic management center
  - Communications
  - Coordination with Visit Alexandria, Chamber & more

- Internal
  - Communications
  - Outreach to employees with SmarTrip
  - Departmental telework plans

Next Steps

- WMATA coordinating with jurisdictions on mitigation
- SafeTrack plan to be finalized May 16
- First major repairs between Franconia and Van Dorn between June 4 and June 19
- Service will end at midnight every day
- City is preparing for impacts to employees and transportation system
- Questions

Other Business

Agenda Item #9