



Northern Virginia Transportation Authority
The Authority for Transportation in Northern Virginia

TECHNICAL ADVISORY COMMITTEE

Wednesday, February 21, 2017, 7:00pm

**NVTA Office
3040 Williams Drive, Suite 200
Fairfax, Virginia 22031**

AGENDA

- I. Call to Order/Welcome** Chairman Boice

Action

- II. Approve Summary Notes of September 20, 2017 Meeting**

*Recommended Action: Approval [with abstentions
from those who were not present]*

- III. CY2018 Meeting Schedule** Ms. Backmon, Executive Director
Recommended Action: Approval of calendar

- IV. CY2018 Chair/Vice Chair Nominations** Ms. Backmon, Executive Director
Recommended Action: Approval of Chair/Vice Chair Nominees

Discussion/Information

- V. FY2018-23 Six Year Program Update** Mr. Jasper, Principal,
Transportation Planning & Programming

- VI. NVTA Update** Ms. Backmon, Executive Director

- VII. TAC Vacancies** Ms. Backmon, Executive Director

Adjournment

- VIII. Adjourn**

**Next Meeting: March 21, 2018
7:00pm
NVTA Office**



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TECHNICAL ADVISORY COMMITTEE
Wednesday, September 20, 2017, 7:00pm
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3040 Williams Drive, Suite 200
Fairfax, Virginia 22031

MEETING SUMMARY

- I. Call to Order/Welcome** Chairman Boice
- Mr. Boice called the meeting to order at 7:01pm.
 - Attendees:
 - ✓ Members: Randy Boice; Pat Turner; Armand Ciccarelli; Meredith Judy; Shanjiang Zhu; Kathy Ichter.
 - ✓ NVTA Staff: Keith Jasper (Principal, Transportation Planning and Programming); Sree Nampoothiri (Transportation Planner); Camela Speer (Clerk).
 - ✓ Other: Noelle Dominguez (Fairfax County).

Action

- II. Approve Summary Notes of May 17, 2017 Meeting**
- Mr. Boice moved approval of the May 17, 2017 meeting summary; seconded by Ms. Turner. The motion carried unanimously with abstentions from those who were not present at the May meeting.

Discussion/Information

- III. TransAction: Public Comments** Mr. Jasper, Principal, Transportation Planning & Programming
- Mr. Jasper briefed the Technical Advisory Committee (TAC) on the public comments received for the Draft TransAction Plan. He noted several of the comments were supportive of projects or process and these comments were acknowledged. He reviewed the additional comments.
 - ✓ Several comments were received regarding the planning process, some requesting additional details that were not available in the planning process. It was noted that more details will be available in the final Technical Report. The Technical Report was discussed briefly, noting that while it will be made available, the Authority will not be asked to

officially adopt it. There was consensus that it is also unnecessary to have the Committee review and provide feedback on the report.

- ✓ In response to questions regarding multilingual access, Mr. Jasper mentioned that options are being considered to provide translation for the final TransAction Plan.
- ✓ In response to comments on the Draft TransAction Plan document, NVTA staff and the TransAction subcommittee are reviewing options to enhance the final draft.
- ✓ There were a number of roadway comments, most voicing strong opposition to the Bi-County Parkway and the proposed new river crossings. Additionally, there were several comments in support of the Hillsboro traffic calming project.
- ✓ Other project specific comments, only a few per project, were received and were a mixture of support and opposition.
- ✓ Several comments on the Route 28 Study were shared with the study team.
- ✓ The Town of Herndon requested adding two projects. It was noted that the projects were analyzed in early rounds of TransAction, but were not included in final list due to being filtered out in the process. The projects have been reinstated and do not require additional modeling work.
- ✓ Several jurisdictions requested clarifications of specific project descriptions and the TransAction subcommittee has provided editorial comments for clarity and consistency. These modifications and clarifications will be made to the Draft Project List and do not impact the technical analysis.
- ✓ Several comments were received in support of bicycle and pedestrian projects.
- Mr. Jasper noted that projects must be included in TransAction to be eligible to receive NVTA 70% funding. He added that inclusion does not commit the Authority to fund any project in the Plan. Mr. Jasper stated that the NVTA staff recommendation is to retain all projects in the Draft TransAction Project list. He explained that this provides project selection options to the Authority until the next update of TransAction. He acknowledged that there are many more projects in the Plan than can be funded.
- Mr. Jasper reviewed the Six Year Program process.
- Ms. Turner informed the Committee that Loudoun County is updating its comprehensive plan and much public comment has been received.
- Dr. Zhu inquired as to whether the public comments received for TransAction will be reflected in the Authority's funding process. Mr. Jasper responded that the Six Year Program will have its own extensive public comment period. He suggested that the comments received for TransAction are an indication of what could be expected in the Six Year Program, noting that jurisdictions may take these into consideration when choosing which projects to submit for funding.

- Mr. Jasper briefly reviewed the Six Year Program schedule and the proposed funding considerations.

IV. NVTA Update

Mr. Jasper, Principal, Transportation
Planning & Programming

- In response to Mr. Boice's question regarding the need for new TAC member appointments, Committee members were requested to provide recommendations for new TAC members. Mr. Jasper added that NVTA staff will contact existing members to determine skill sets of current members in an effort to identify what skills are needed in new members. He stated that NVTA staff would like to fill the vacancies as soon as possible.
- Mr. Jasper informed the Committee of upcoming Authority meetings and events.
 - ✓ The Authority meeting on October 12, 2017 will start early at 6:30pm.
 - ✓ The next Planning and Programming Committee meeting will be on October 4, 2017 at 10am.
 - ✓ There will be a Ribbon Cutting Ceremony for Route 28 on October 4, 2017 at 1pm.
 - ✓ The Authority's 15th Anniversary Celebration will be held on November 9, 2017, following a brief Authority business meeting at 6:30pm at the Sherwood Community Center in the City of Fairfax.
- Mr. Jasper stated that based on work flow, it is unlikely there will be a need for the TAC to meet prior to January 2018. He advised the Committee he will inform them of meeting changes as they are confirmed.

Adjournment

V. Adjourn

- Meeting adjourned at 7:53pm.



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Wednesday, February 21, 2018, 7:00pm
NVTA Office
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DRAFT CY2018 MEETING SCHEDULE

Meetings are on the third Wednesday of each month at the NVTA offices

February 21, 2018; 7:00 PM

March 21, 2018; 7:00 PM

April 18, 2018; 7:00 PM

May 16, 2018; 7:00 PM

June 20, 2018; 7:00 PM

July 18, 2018; 7:00 PM

August: NO MEETING

September 19, 2018; 7:00 PM

October 17, 2018; 7:00 PM

November 21, 2018; 7:00 PM

December 19, 2018; 7:00 PM

Northern Virginia Transportation Authority
 FY 2018 - 23 Six Year Program Candidate Project List (Draft)

2/15/2018

Project ID#	Jurisdiction/Agency	Project	Local Priority	TransAction ID#	Modal Components	Phases	Request	Total Cost
2018-001-0	Arlington County	ART Operations and Maintenance Facilities	1	123		Des, ROW, CN, CapAsset	\$ 55,459,000	\$ 98,487,000
2018-002-1	Arlington County	Ballston-MU Metrorail Station West Entrance	2	63		Des, ROW, CN, CapAsset	\$ 72,316,000	\$ 130,073,000
2018-003-0	Arlington County	Crystal City Metrorail Station East Entrance and Intermodal Connections	3	89		CN	\$ 87,000,000	\$ 90,140,000
2018-004-0	Arlington County	Pentagon City Multimodal Connections and Transitway Extension	4	117		Des, CN	\$ 28,850,000	\$ 46,665,000
2018-005-0	Arlington County	Intelligent Transportation System Improvements	5	104		CN	\$ 10,000,000	\$ 10,000,000
Arlington County Sub Total							\$ 253,625,000	\$ 375,365,000
2018-006-1	Fairfax County	Route 1 Widening (Mount Vernon Memorial Highway to Napper Road)#	1	214		Des, ROW, CN	\$ 127,000,000	\$ 215,000,000
2018-007-0	Fairfax County	Richmond Highway Bus Rapid Transit - Phases I & II	2	39		Des, ROW, CN	\$ 250,000,000	\$ 544,800,000
2018-008-0	Fairfax County	Soapstone Drive Extension: Extend Soapstone Drive over Route 267 (Dulles Toll Road) to Sunset Hills Road	3	7		ROW, CN	\$ 132,060,000	\$ 169,240,000
2018-009-1	Fairfax County	Frontier Drive Extension and Intersection Improvements	4	84		ROW, CN	\$ 79,500,000	\$ 116,070,000
2018-010-2	Fairfax County	Route 28 Widening: Route 29 to Prince William County Line	5	30		CN	\$ 38,270,000	\$ 91,100,000
2018-011-0	Fairfax County	Braddock Road Intersection Improvements: Guinea Road to Ravensworth Road	6	336		Des, ROW, CN	\$ 52,400,000	\$ 69,800,000
2018-012-0	Fairfax County	Richmond Highway (Route 1)/CSX Underpass Widening	7	282		CN	\$ 12,000,000	\$ 56,000,000
2018-013-0	Fairfax County	Seven Corners Ring Road Improvements Phase 1 A, Segment A	8	18		Des	\$ 5,500,000	\$ 75,000,000
2018-014-1	Fairfax County	Rolling Road Widening: Hunter Village Drive to Old Keene Mill Road	9	54		ROW, CN	\$ 11,111,000	\$ 51,600,000
2018-015-0	Fairfax County	Route 29 Widening Project, Phase II (Union Mill Road to Buckley's Gate Drive)	10	217		ROW	\$ 7,600,000	\$ 67,000,000
2018-016-2	Fairfax County	Fairfax County Parkway Widening from Ox Road to Lee Highway includes a grade separated interchange at the intersection of Popes Head Road	11	57		ROW, CN	\$ 67,000,000	\$ 191,300,000
2018-017-0	Fairfax County	Rock Hill Road Bridge	12	19		Des, ROW, CN	\$ 100,000,000	\$ 100,000,000
2018-018-0	Fairfax County	Dulles Toll Road - Town Center Parkway Underpass	13	17		Des	\$ 17,000,000	\$ 168,980,000
2018-019-0	Fairfax County	Route 28 Widening (Northbound from Route 50 to McLearen Road)	14	26		CN	\$ 19,000,000	\$ 21,068,000
2018-020-0	Fairfax County	Shirley Gate Road Extension: Braddock Road to Fairfax County Parkway	15	58		ROW, CN	\$ 42,000,000	\$ 50,980,000
Fairfax County Sub Total							\$ 960,441,000	\$ 1,987,938,000

Project ID#	Jurisdiction/Agency	Project	Local Priority	TransAction ID#	Modal Components	Phases	Request	Total Cost
2018-021-0	Loudoun County	Route 15 Bypass Widening: Battlefield Parkway to Montresor Road	Top 3	191	   	ROW, CN	\$ 54,000,000	\$ 81,163,683
2018-022-0	Loudoun County	Northstar Boulevard - Shreveport Drive to Tall Cedars Parkway	Top 3	119, 188	   	ROW, CN	\$ 89,805,000	\$ 135,180,000
2018-023-0	Loudoun County	Extend Shellhorn Road: Loudoun County Parkway (Route 607) to Randolph Drive (Route 1072)	Top 3	184	   	ROW, Utility	\$ 16,000,000	\$ 126,750,000
2018-024-0	Loudoun County	Route 28 Northbound Widening –between the Dulles Toll Road and Sterling Boulevard		155, 159	 	CN	\$ 20,000,000	\$ 23,508,200
2018-025-0	Loudoun County	Evergreen Mills Road Widening: Loudoun County Parkway to Northstar Boulevard		179	   	Des, CN, Utility	\$ 46,092,000	\$ 68,885,000
2018-026-0	Loudoun County	Prentice Drive Extension: Lockridge Road (Route 789) to Shellhorn Road (Route 643)		150	   	ROW, CN, Utility	\$ 76,230,000	\$ 102,325,000
2018-027-0	Loudoun County	Route 9 Traffic Calming		327	  	Des, ROW, CN, Utility	\$ 12,112,000	\$ 22,206,000
2018-028-0	Loudoun County	Dulles West Boulevard Widening: Loudoun County Parkway to Northstar Boulevard		160	   	Des, ROW, CN, Utility	\$ 47,800,000	\$ 59,314,000
2018-029-0	Loudoun County	Evergreen Mills Road Intersection Realignments – Watson Road and Reservoir Road		180		Des, ROW, CN, Utility	\$ 14,000,000	\$ 14,000,000
Loudoun County Sub Total							\$ 376,039,000	\$ 633,331,883
2018-030-3	Prince William County	RT28 corridor improvements (Fitzwater Dr to Pennsylvania Ave)	1	300	  	CN	\$ 15,000,000	\$ 70,900,000
2018-031-1	Prince William County	Route 28 Corridor Feasibility Study - Environmental Impact Statement (City of Manassas to Fairfax County)	2	350	  	Other - EIS	\$ 3,500,000	\$ 5,100,000
2018-032-1	Prince William County	Construct Route 28 Corridor Roadway Improvements	3	350	  	Des, ROW, CN	\$ 145,000,000	\$ 228,000,000
2018-033-0	Prince William County	Construct Interchange at Route 234 and Sudley Manor Drive	4	222		Des, ROW, CN	\$ 80,600,000	\$ 80,600,000
2018-034-0	Prince William County	Construct Interchange at Route 234 and Brentsville Road	5	283		Des, ROW, CN	\$ 54,900,000	\$ 54,900,000
2018-035-0	Prince William County	Construct Interchange at Prince William Parkway and University Boulevard	6	324		Des, ROW, CN	\$ 24,200,000	\$ 24,200,000
2018-036-0	Prince William County	Summit School Rd and Telegraph Rd Extension	7	270, 271	   	Des, ROW, CN	\$ 38,700,000	\$ 38,700,000
2018-037-0	Prince William County	Construct University Boulevard (Progress Court to Devlin Road) – Phase I	8	235	   	Des, ROW, CN	\$ 28,500,000	\$ 28,500,000
2018-038-0	Prince William County	Devlin Road Widening: Wellington Road to Linton Hall Road	9	242	  	Des, ROW, CN	\$ 26,050,000	\$ 26,050,000
2018-039-0	Prince William County	Construct Interchange at Prince William Parkway and Clover Hill Road (Phase 1)	10	284	  	Des, ROW, CN	\$ 12,900,000	\$ 12,900,000
Prince William County Sub Total							\$ 429,350,000	\$ 569,850,000
2018-040-1	City of Alexandria	West End Transitway: Northern Segment (Phase 1)	1	42	 	ROW, CN, CapAsset, Other-Admin	\$ 60,750,000	\$ 128,151,000
2018-041-0	City of Alexandria	Alexandria ITS Projects	2	113		Des, CN	\$ 1,195,491	\$ 1,195,491
2018-042-1	City of Alexandria	Alexandria Bus Network ITS	3	194		CapAsset, Other	\$ 150,000	\$ 150,000
2018-043-0	City of Alexandria	DASH Transit Service Enhancements and Expansion	4	85		Des, CN, CapAsset, Other-Contin	\$ 11,933,161	\$ 23,068,161

Project ID#	Jurisdiction/Agency	Project	Local Priority	TransAction ID#	Modal Components	Phases	Request	Total Cost
2018-044-0	City of Alexandria	Alexandria Bike and Pedestrian Trails and Reconstruction	5	90	  	Des, ROW	\$ 2,200,000	\$ 11,630,000
2018-045-2	City of Alexandria	Alexandria Duke St Transitway	6	41	   	Des	\$ 12,000,000	\$ 115,050,000
City of Alexandria Sub Total							\$ 88,228,652	\$ 279,244,652
2018-046-0	City of Fairfax	Jermantown Road Widening	1	136		Des, ROW, CN	\$ 26,000,000	\$ 26,200,000
2018-047-0	City of Fairfax	Intersection Improvements at Eaton Place/Chain Bridge Road	2	137, 140		Des, ROW, CN	\$ 10,750,000	\$ 10,850,000
2018-048-0	City of Fairfax	Old Lee Highway Multimodal Improvements Phase 1	3	138	  	ROW, CN	\$ 5,000,000	\$ 14,000,000
2018-049-0	City of Fairfax	Roadway Network Northfax West	4	140	  	Des, ROW, CN	\$ 2,500,000	\$ 5,000,000
2018-050-0	City of Fairfax	City of Fairfax Bike Share Implementation	5	139, 198		CN	\$ 1,159,000	\$ 1,159,000
City of Fairfax Sub Total							\$ 45,409,000	\$ 57,209,000
2018-051-0	City of Falls Church	West Falls Church & Joint Campus Revitalization District Multimodal Transportation Project	1	334, 66	   	Des, ROW, CN, Other-Contin	\$ 15,700,000	\$ 15,700,000
2018-052-0	City of Falls Church	North Washington Street Multimodal Transportation Project	2	334, 66	   	Des, ROW, CN, Other-Contin	\$ 14,500,000	\$ 14,500,000
City of Falls Church Sub Total							\$ 30,200,000	\$ 30,200,000
2018-053-1	Town of Dumfries	Widen Route 1 (Fraley Blvd) to six lanes between Brady's Hill Rd and Dumfries Rd (RT234)	1	92	  	ROW, CN	\$ 116,554,000	\$ 123,954,000
Town of Dumfries Sub Total							\$ 116,554,000	\$ 123,954,000
2018-054-2	Town of Leesburg	Construct Intrchange at Route 7 and Battlefield Parkway#	1	193	  	CN	\$ 25,000,000	\$ 58,000,000
2018-055-2	Town of Leesburg	Interchange Improvements at Route 15 Leesburg Bypass and Edwards Ferry Road	2	131		Des, ROW, CN	\$ 105,700,000	\$ 112,000,000
2018-056-0	Town of Leesburg	Construct Interchange at Route 15 Bypass and Battlefield Parkway	3	96		Design	\$ 2,000,000	\$ 60,000,000
Town of Leesburg Sub Total							\$ 132,700,000	\$ 230,000,000
2018-057-0	Town of Vienna	Mill St NE Parking Garage	1	199	 	CapAsset	\$ 2,300,000	\$ 4,600,000
Town of Vienna Sub Total							\$ 2,300,000	\$ 4,600,000
2018-058-1	VRE	VRE Crystal City Station Improvements	1	298	 	Des	\$ 4,000,000	\$ 41,810,000
2018-059-0	VRE	VRE Woodbridge Station and Occoquan Third Track Improvements	3	93, 301		Des	\$ 27,500,000	\$ 230,000,000
VRE Sub Total							\$ 31,500,000	\$ 271,810,000
2018-060-0	WMATA	Metrarail Automatic Train Control (ATC) Power Rehabilitation and Wayside Communications Upgrades	1	101		Des, CN, Other-Admin	\$ 94,572,577	\$ 302,374,301
2018-061-0	WMATA	Blue/Orange/Silver Corridor Capacity and Reliability Improvements/"New Blue Line" Alternatives Analysis and Project Development	2	34		Study	\$ 2,000,000	\$ 2,000,000
WMATA Sub Total							\$ 96,572,577	\$ 304,374,301
2018-062-0	NOVA Parks	Falls Church Enhanced Regional Bike Routes (W&OD)	1	134	 	Des, CN	\$ 3,793,209	\$ 3,793,209
NOVA Parks Sub Total							\$ 3,793,209	\$ 3,793,209
62	TOTAL						\$ 2,566,712,438	\$ 4,871,670,045

Project ID#	Jurisdiction/Agency	Project	Local Priority	TransAction ID#	Modal Components	Phases	Request	Total Cost
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***Symbol definition:**

-  New or improved pedestrian path/trail
-  New or improved bicycle lane/path
-  New or improved bus/BRT facility
-  Improvement/Access to Metrorail/VRE Commuter Rail
-  Access to Park-and-Ride facility
-  Transportation technology
-  New or improved intersection/interchange
-  New roadway capacity and/or alignment

The first symbol reflects the primary modal component, other symbols denote additional modal components, as identified in the project application.

FY2018-23 Six Year Program



**Status Update
Technical Advisory Committee**

February 21, 2018



Project Selection Criteria

- Project Eligibility
 - Included in TransAction with matching description
 - Primary project location
- Project Ratings (TransAction-based analysis; 15 weighted performance criteria)
- Congestion Reduction Relative to Cost (CRRC) ratios
- Qualitative Considerations, e.g. modal/geographic balance, past performance, funding leverage
- Public Comment



Project Applications

- 71 original project applications
 - 8 applications eliminated (fully funded using I-66 Outside the Beltway Concessionaire Payment)
 - 1 application determined to be ineligible (VRE L'Enfant Station/Track project)

- 62 candidate regional projects remain under consideration



62 Candidate Regional Projects

Primary Modal Component:

	3 projects
	1 projects
	6 projects
	6 projects
	1 project
	3 projects
	13 projects
	29 projects

Note: Most projects feature at least one supporting modal component



Geographic Distribution

- Inside the Beltway
 - 17 projects
- Outside the Beltway:
 - 44 projects
- Both:
 - 1 project



Construction Funding Requests Dominate

- Total request: **\$2,566,712,438**
 - Design/PE/environmental 10 percent
 - Right of way 22 percent
 - Construction 66 percent
 - Asset acquisition 1 percent
 - Other 1 percent

- Total project cost: **\$4,871,670,045**



Funding Requests \geq \$100M

• Richmond Highway BRT (Fairfax County)	\$250,000,000
• Route 28 Corridor (Prince William County)	\$145,000,000
• Soapstone Drive Extension (Fairfax County)	\$132,060,000
• Route 1 Widening (Fairfax County)	\$127,000,000
• Route 1 Widening (Town of Dumfries)	\$116,554,000
• Route 15/Edwards Ferry Rd. (Town of Leesburg)	\$105,700,000
• Rock Hill Road Bridge (Fairfax County)	<u>\$100,000,000</u>
	\$976,314,000



Estimated Available Funding

- Current working range for FY2018-23 SYP (PayGo)
 - Lower bound: \$1.1B (could be less)
 - Upper bound: \$1.5B



Ongoing Activities

- Review applications
- Verify eligibility
- Request clarifications
- Conduct modeling/analytical work
- Tabulate/format for public engagement



Public Engagement

- March 8, 2018: Authority approves date of Public Hearing
- April 12, 2018: Authority releases draft Six Year Program
- April 13, 2018: Public comment period begins
- May 10, 2018: Open House and Public Hearing (at NVTA)
- May 20, 2018: Public comment period ends

Note: optional jurisdictional briefings and 'Town Hall' meetings, and other public engagement events, are anticipated during the public comment period



Next Steps

- March 2018: release of draft evaluation results
- April 2018: finalization of NVTA staff recommendations
- June 2018: Authority adopts FY2018-23 Six Year Program