

FY2024-2029 Six Year Program

NVTA Staff Recommendations

Presented by: Keith Jasper, Principal, NVTA

Planning and Programming Committee, June 25, 2024

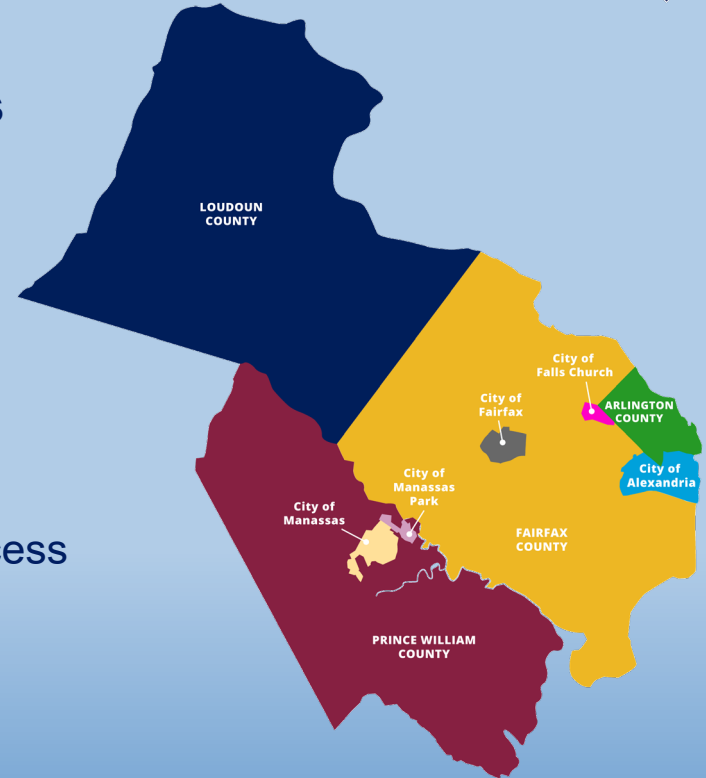


Topics



1. Overview of NVTA Staff Recommendations
2. Previous Funding Programs
3. Project Evaluation and Public Comment
4. NVTA Staff Recommendations
5. Next Steps

Reference Slides:
Context and Key Components of Project Selection Process



Overview of NVTa Staff Recommendations



- **Funding recommendations are at the highest level relative to funding requests for any Six Year Program update (74%)**
- **Total Regional Revenues available: \$696,335,252**
- **Recommending 22 of 24 candidate projects**
 - **19 of 24 projects** recommended for **full amount** of requested funding
 - **3 of 24 projects** recommended for **partial amount** of requested funding
 - Not recommending **2 of 24 candidate projects**
- **3 recommended projects are continuation projects, meaning that 19 recommended projects are receiving NVTa Regional Revenues for the first time**

Overview of NVRTA Staff Recommendations



- **Multimodal/Corridor Focus**

- Continued emphasis on three previously funded BRT lines (six projects)
- Continued emphasis on VRE Manassas Line (one project)
- Continued emphasis on Route 28 and Route 234/Prince William County Parkway corridors (four projects)

- **Transportation Technology**

- Top three ranked projects
- First NVRTA-funded transportation technology projects in Prince William County and the City of Falls Church

- **Geographically and Modally Balanced**

- Projects recommended for all 10 applicants
- Includes projects for all primary modes requested (roadway, transit, interchange/intersection, bike/pedestrian, transportation technology)

Previous Funding Programs: Summary



Funding Program	Amount Requested (\$)	Amount Approved (\$)	Approved/Requested (%)
FY2014	339,693,000	188,993,000	56
FY2015-2016	467,124,215	336,944,000	72
FY2017	297,949,000	166,043,951	56
FY2018-2023	2,470,139,861	1,285,273,281	52
FY2020-2025	1,444,826,078	539,110,783	37
FY2022-2027	1,229,166,553	626,290,870	51
Total Funding To Date	6,248,898,707	3,142,655,885	50
FY2024-2029	947,219,560	696,335,252	74

Previous Funding Programs: New/Widened Roadways



Functional Classification	NVTA-Funded Projects	New/Widened Facility	New Lane Miles	NoVA Lane Miles	Increase in Lane Miles (%)	Example Facility Type
Interstate	0	0	0.00	442.30	0.00	I-66, I-95, I-395, I-495
Principal Arterial (Limited Access)	6	0/6	35.02	144.31	24.3	Route 28 (N of Route 50), Fairfax County Parkway, Route 7 (Loudoun)
Principal Arterial	10	1/9	48.56	695.80	7.0	Routes 1, 7 (Fairfax), 15, 28, Duke Street
Minor Arterial	11	2/9	33.72	1585.54	2.1	Loudoun County Parkway, Rolling Road, Elden Street
Major Collector	10	8/2	41.63	1219.69	3.4	Soapstone Drive, Rock Hill Rd, Van Buren Rd.
Minor Collector	3	2/1	7.32	627.38	1.2	Dulles West Blvd, Summit School Road
Local	1	1/0	0.31	4718.60	0.01	Northfax West
Total	41	14/27	166.54	9433.62	1.8	
Total (excluding Interstate and Local)	40	13/27	166.23	4272.72	3.9	

Previous Funding Programs: Dedicated Transit ROW



Project	Jurisdiction	Centerline Miles	Dedicated Lane Miles
Duke Street Transitway	Alexandria	4.12	4.29
West End Transitway	Alexandria	8.22	TBD
Metroway	Arlington County	6.80	0.89
'The One'	Fairfax County	7.40	13.09
'Envision Route 7'	Fairfax County, Falls Church, Arlington County, Alexandria	11.75	TBD
TOTAL		38.29	18.27[#]

[#] West End Transitway and Envision Route 7 projects have not reached the design stage to identify the lane miles

























Previous Funding Programs: Active Transportation



Project Type	NVTA-Funded Projects	Dedicated Lane Miles
Sidewalks	18	20.94
Bicycle Paths	14	43.81
Shared Use Path	32	54.49
TOTAL	42*	119.24

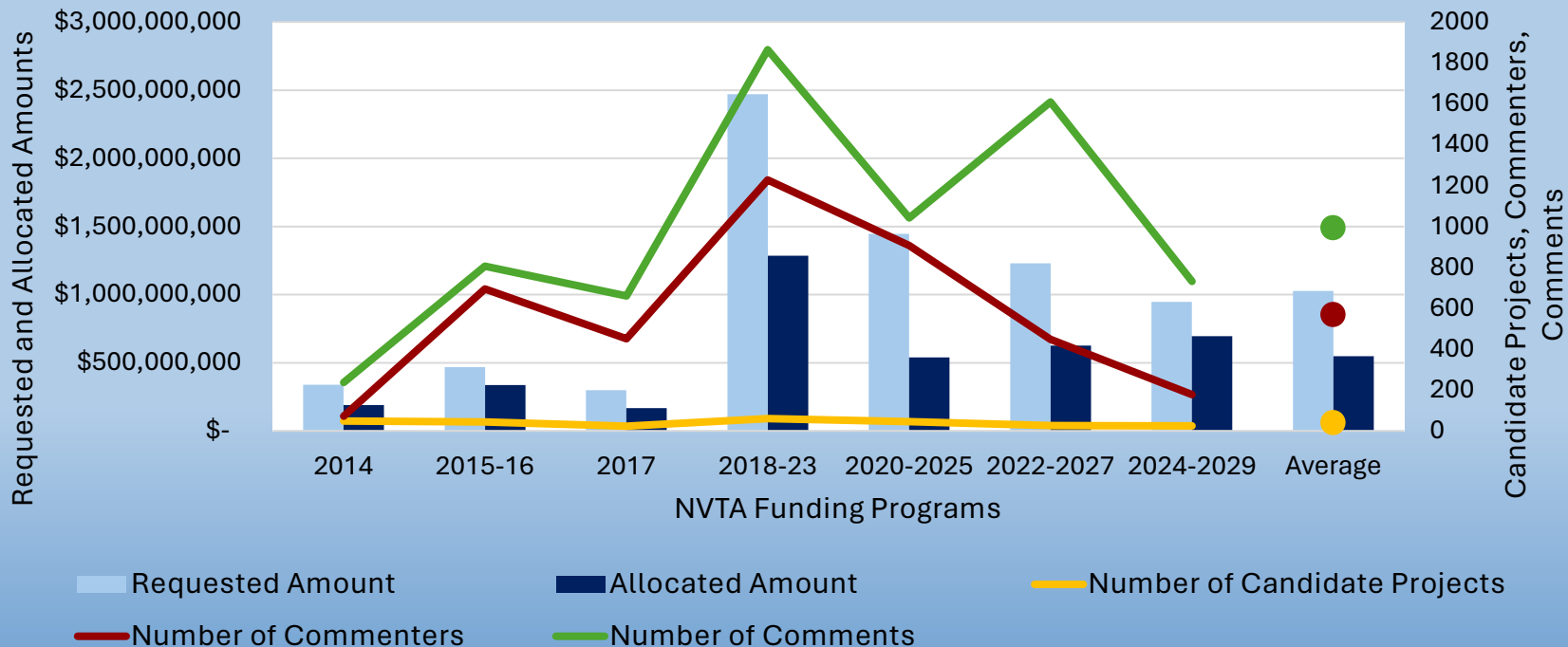
* Total does not add up since some projects include more than one type of active transportation infrastructure

Project Evaluation

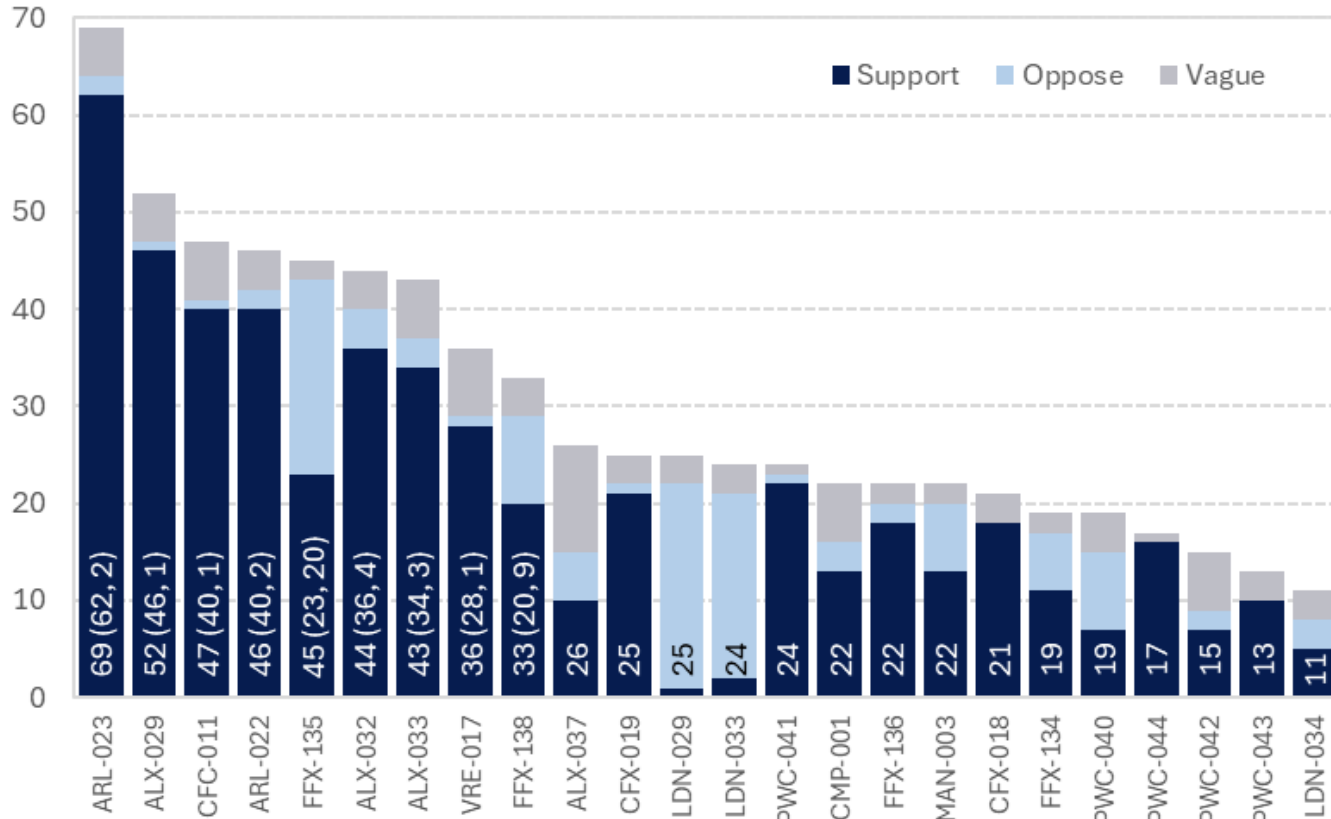
Application ID	Jurisdiction / Agency	Project	Primary and supporting modal components	Fund request	Previously Approved NVTIA Regional Funds	Other committed funds	Total project cost	Phases for which funds are requested	Funding Gap	Phases for which there is still a funding gap	Local priority	External funds	Past performance (% of expected funds reimbursed by 12/31/2023)	Continuation Jurisdiction /Agency	Policy 29 non-compliance: # of projects 18-month substantive progress	Policy 29 non-compliance: # of projects - SPA within three meetings of fund appropriation	SPA with no invoices for 12+ months	First fiscal year of expected drawdown	Year of opening	Alignment with Core Values			Long Term Benefit	Other	Transaction project rating (incl. HB 599)	Transaction project rating rank (incl. HB 599)	CRRC (Reduction in annual person hours of delay / Total project cost in \$1000's)	CRRC rank
																				Equity	Safety	Sustainability						
CFC-011	City of Falls Church	City of Falls Church Signal Prioritization Project		\$ 1,400,000		\$ -	\$ 1,400,000	PE, CN																	25.70	9	653.57	1
ALX-037	City of Alexandria	Smart & Connected Vehicle Infrastructure		\$ 5,000,000		\$ 50,000	\$ 5,050,000	PE, CN																	21.70	15	277.60	2
PWC-042	Prince William County	Route 234 Operational Improvements		\$10,000,000		\$ -	\$ 10,000,000	PE, CN, Acq																	29.19	8	240.43	3
FFX-138	Fairfax County	Seven Corners Ring Road Improvements		#####	\$ 4,200,000	\$ 6,261,000	\$132,690,417	PE, ROW, CN																	66.61	1	114.19	4
MAN-003	City of Manassas	Roundabout at Route 28 and Sudley Rd		\$ 4,020,000		\$ 1,475,000	\$ 5,495,000	CN																	23.34	13	113.76	5
VRE-017	VRE	VRE Backlick Road Station Improvements		\$ 6,145,103		\$ 2,500,000	\$ 8,645,103	CN																	23.92	12	102.62	6
ALX-032	City of Alexandria	South Van Dorn Street Bridge Enhancements		\$10,000,000	\$ 5,000,000	\$ 70,000	\$ 15,070,000	CN																Note A	38.61	2	33.00	7
ALX-033	City of Alexandria	Alexandria Metroway Enhancements		\$ 7,000,000		\$ 7,924,792	\$ 14,924,792	ROW, CN																	32.36	5	25.61	8
CMP-001	City of Manassas Park	Route 28-Centreville Road Corridor Improvements		\$40,000,000		\$ -	\$ 40,000,000	PE, ROW, CN																	15.59	21	24.75	9
CFX-019	City of Fairfax	Blenheim Boulevard Multimodal Improvements (formerly, Old Lee Highway Multimodal Improvements)		\$ 5,400,000	#####	\$ 12,000,000	\$ 30,400,000	CN																Note B	13.38	23	24.56	10
ALX-029	City of Alexandria	Safety Improvements at High-Crash Intersections		\$ 3,000,000		\$ 1,000,000	\$ 20,500,000	PE	#####	ROW, CN															24.25	11	24.07	11
PWC-040	Prince William County	Route 234 and Sudley Manor Drive Interchange		#####		\$ -	\$ 115,000,000	PE, ROW, CN																	37.41	3	23.29	12
PWC-043	Prince William County	The Landing at Prince William Transit Center		\$25,000,000		\$ -	\$ 25,000,000	PE, ROW, CN																	20.27	17	17.86	13
LDN-034	Loudoun County	Route 15 at Braddock Road Roundabout		\$10,000,000		\$ 15,655,000	\$ 25,655,000	ROW, CN																	15.86	20	16.34	14
PWC-044	Prince William County	Triangle Mobility Hub and First/Last Mile Connection Improvements		\$10,000,000		\$ -	\$ 10,000,000	PE, ROW, CN																	14.05	22	15.82	15
ARL-022	Arlington County	Shirlington Bus Station Expansion		\$11,600,000		\$ 200,000	\$ 11,800,000	PE, ROW, CN																	18.54	18	14.52	16
PWC-041	Prince William County	Route 234 Bicycle and Pedestrian Facility Over I-95		\$12,000,000		\$ -	\$ 12,000,000	PE, ROW, CN																	4.36	24	13.59	17
CFX-018	City of Fairfax	Northfax Network Improvements: Northfax East-West Road		\$18,332,754		\$ -	\$ 18,332,754	PE, ROW, CN																	32.54	4	13.46	18
LDN-029	Loudoun County	Old Ox Road Widening - Shaw Road to Oakgrove Road		\$30,000,000		\$ 19,350,000	\$ 49,350,000	CN																	20.49	16	11.22	19
FFX-136	Fairfax County	Braddock Road Multimodal Improvements, Phase II (Humphries Drive to Southampton Drive)		\$90,000,000		\$ 5,286,334	\$ 95,286,334	PE, ROW, CN																	16.45	19	8.35	20
FFX-134	Fairfax County	Frontier Drive Extension and Intersection Improvements		#####	#####	\$ 49,638,314	\$ 241,630,600	PE, ROW, CN																Note B	30.96	7	6.26	21
LDN-033	Loudoun County	Succolin Road Widening - Loudoun Center Place to Crosstrail Boulevard		\$15,000,000		\$ 17,861,000	\$ 32,861,000	ROW, CN																	22.94	14	5.19	22
FFX-135	Fairfax County	Route 7 Multimodal Improvements (I-495 to I-56)		#####		\$ 34,407,921	\$ 244,407,921	PE, ROW, CN																Note A	31.53	6	2.24	23
ARL-023	Arlington County	CC2DCA Multimodal Connection (formerly known as CC2DCA Intermodal Connector)		\$21,100,000	#####	\$ 18,100,000	\$ 57,200,000	CN																Note B	24.99	10	0.96	24
TOTAL				#####	#####	#####	#####	#####	#####																			

Note: Alignment with Core Values was not used in developing staff recommendations

Public Comments: Trends



Public Comments: Summary



Total commenters: 178
Total comments: 731
Total project-specific comments: 720

Note: Graph does not include 11 comments which did not mention a specific project.

NVTA Staff Recommendations



- **With one exception, all projects ranked by CRRC* project rating from 1 thru 19 are recommended for full funding.**
 - The exception is not recommended for funding.
- **With one further exception, all projects ranked by CRRC project rating from 20 thru 24 are recommend for either partial or no funding.**
 - The exception is recommended for full funding.
- **The five projects not recommended for full funding are discussed in the following slides.**

*CRRC = Congestion Reduction Relative to Cost

NVTA Staff Recommendations



- Two projects are not recommended for funding because they have been previously funded with NVTA Regional Revenues and declared as fully funded:
- **\$5,400,000** – Blenheim Boulevard (formerly, Old Lee Highway) Multimodal Improvements (City of Fairfax) – CRRC rank #10
 - Project previously approved for NVTA regional revenues
 - FY2018-2023 SYP: \$5 million (SPA expected to be executed on June 13, 2024)
 - FY2020-2025 SYP: \$8 million (No SPA yet)
- **\$21,100,000** – CC2DCA Multimodal Connection (Arlington County) – CRRC rank #24
 - Project previously approved for NVTA regional revenues
 - FY2020-2025 SYP: \$18 million (SPA expected to be executed by September 2024)

NVTA Staff Recommendations



- Partial funding allocation recommendations for three Fairfax County projects, due to a combination of low CRRC rankings, Policy 29 non-compliance, and NVTA staff concern regarding the reliability of the final project cost.
- **\$27,299,000** (requested \$90,000,000) – Braddock Road Multimodal Improvements Phase II (Humphries Drive to Southampton Drive) – CRRC rank #20
 - New project for NVTA
- **\$111,957,472** (requested \$164,992,286) – Frontier Drive Extension and Intersection Improvements – CRRC rank #21
 - Continuation project for NVTA, with PE and ROW phases previously declared to be fully funded
 - FY2015-2016: \$2 million (SPA executed November 23, 2015)
 - FY2018-2023 SYP: \$25 million (SPA executed January 9, 2020)
- **\$101,351,506** (requested \$210,000,000) – Route 7 Multimodal Improvements (I-495 to I-66) – CRRC rank #23
 - New project for NVTA

NVTA Staff Recommendations



- The Long-Term Benefit (LTB) requirement of the Code of Virginia, enacted through House Bill 2313 (2013), means NVTA must ensure that, over the long term, each member jurisdiction receives a benefit that is approximately equal to the share of regional revenues received and attributed to that locality.
- While the shares of the 'benefit' *attributed* to Prince William County and Arlington County are respectively greater and lower than the share of the revenues *attributed* to each County, there was insufficient justification to override the NVTA staff recommendations in this SYP update cycle based on LTB considerations, due to:
 - Higher-than-normal proportion of available funding relative to requested.
 - Non-LTB related evaluation of the projects submitted by each County.
- The extent to which any residual LTB imbalances remain, or new imbalances are created, will be assessed after adoption of the FY2024-2029 SYP.

NVTA Staff Recommendations: Modal Summary



Primary Mode	Requested	Recommended	Rec/Req Share (%)	SYP Rec Share (%)
Roadway	\$ 560,554,457	\$ 398,871,149	71.2	57.3
Intersection	\$ 259,020,000	\$ 196,319,000	75.8	28.2
Transit	\$ 69,745,103	\$ 69,745,103	100.0	10.0
Bike and Pedestrian	\$ 41,500,000	\$ 15,000,000	36.1	2.2
Transportation Technology	\$ 16,400,000	\$ 16,400,000	100.0	2.4
Total	\$ 947,219,560	\$ 696,335,252	73.5	100.0

NVTA Staff Recommendations: Jurisdictional/Agency Summary



Jurisdiction/ Agency	Applications (#)	Requested amount (\$)	Share of Total Request	Recommended projects (#)	Recommended amount (\$)	Share of Total Recommendation
Arlington County	2	32,700,000	3.5%	1	11,600,000	1.7%
Fairfax County	4	587,221,703	62.0%	4	362,837,395	52.1%
Loudoun County	3	55,000,000	5.8%	3	55,000,000	7.9%
Prince William County	5	172,000,000	18.1%	5	172,000,000	24.7%
City of Alexandria	4	25,000,000	2.6%	4	25,000,000	3.6%
City of Fairfax	2	23,732,754	2.5%	1	18,332,754	2.6%
City of Falls Church	1	1,400,000	0.1%	1	1,400,000	0.2%
City of Manassas	1	4,020,000	0.4%	1	4,020,000	0.6%
City of Manassas Park	1	40,000,000	4.2%	1	40,000,000	5.7%
VRE	1	6,145,103	0.6%	1	6,145,103	0.9%
Total	24	947,219,560	100%	22	696,335,252	100%

NVTA Staff Recommendations: Cumulative New/Widened Roadways



Functional Classification	NVTA-funded Projects	New/Widened Facility	New Lane Miles	NoVA Lane Miles	Increase in Lane Miles (%)	Example Facility Type
Interstate	0	0	0.00	442.30	0.00	I-66, I-95, I-395, I-495
Principal Arterial (Limited Access)	6	0/6	35.02	144.31	24.3	Route 28 (N of Route 50), Fairfax County Parkway, Route 7 (Loudoun)
Principal Arterial	10	1/9	48.56	695.80	7.0	Routes 1, 7 (Fairfax), 15, 28, Duke Street
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Minor Collector	4	3/1	8.53	627.38	1.4	Dulles West Blvd, Summit School Road, Seven Corners
Local	2	2/0	0.59	4718.60	0.01	Northfax West, Northfax East
Total	45	16/29	170.94	9433.62	1.8	
Total (excluding Interstate and Local)	43	14/29	170.35	4272.72	4.0	

NVTA Staff Recommendations: Cumulative Transit ROW



Project	Jurisdiction	Centerline Miles	Dedicated Lane Miles
Duke Street Transitway	Alexandria	4.12	4.29
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Metroway	Arlington County	6.80	1.23
'The One'	Fairfax County	7.40	13.09
'Envision Route 7'	Fairfax County, Falls Church, Arlington County, Alexandria	11.75	3.03*
TOTAL		38.29	21.64[#]

* This length is from I-495 to I-66 only

[#] West End Transitway and Envision Route 7 projects have not reached the design stage to identify the lane miles

NVTA Staff Recommendations: Cumulative Active Transportation



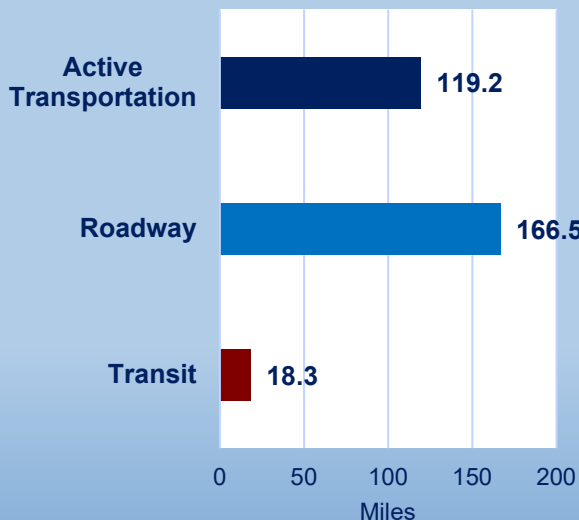
Project Type	NVTA-funded Projects	Dedicated Lane Miles
Sidewalks	20	22.62
Bicycle Paths	15	44.43
Shared Use Path	42	60.99
TOTAL	54*	128.05

* Total does not add up since some projects include more than one type of active transportation infrastructure

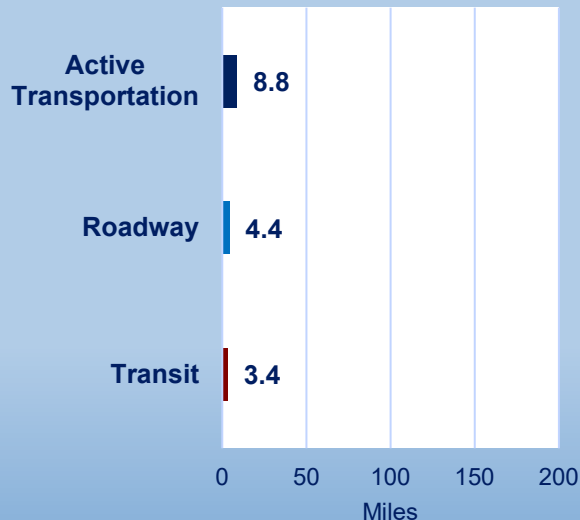
NVTA Staff Recommendations: Modal Summary



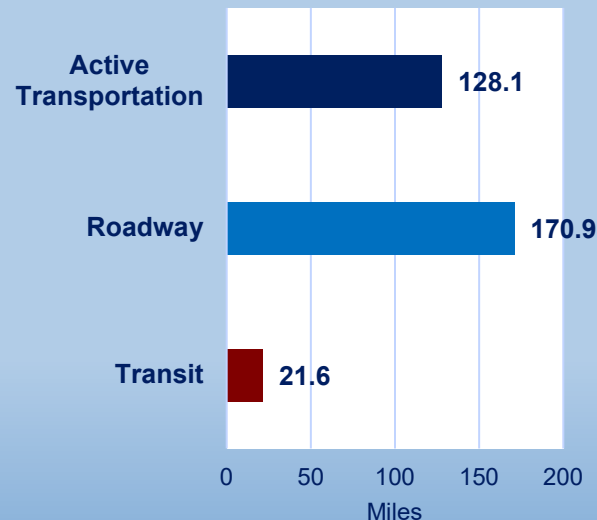
**70% Regional Revenue Projects
FY2014-FY2027**



**70% Regional Revenue Projects
FY2024-FY2029 SYP staff
recommendations**



**70% Regional Revenue Projects
FY2014-FY2029 (incl. staff
recommendations)**



Note: Totals may not add up due to rounding

NVTA's Core Values



- **NVTA's Core Values were incorporated into the TransAction Vision Statement, which was approved by NVTA in December 2020:**
 - Equity
 - Safety
 - Sustainability
- **Alignment with NVTA's Core Values:**
 - Candidate projects were evaluated for alignment with NVTA's Core Values as part of the FY2024-2029 SYP on a pilot basis
 - This is the first SYP update cycle in which this evaluation occurred
 - All projects demonstrated medium to high alignment
 - Core Value alignment was not used in developing staff recommendations since this used a pilot approach

Next Steps



- NVTA Staff recommendations will be shared with committees for endorsement:
 - **June 20, 2024** Planning Coordination Advisory Committee (5:00 p.m.)
 - **June 20, 2024** Technical Advisory Committee (7:00 p.m.)
 - **June 25, 2024** Planning and Programming Committee (5:00 p.m.)
- **No later than June 26, 2024** Final Recommendations posted on NVTA website
- **July 11, 2024** NVTA adopts FY2024-2029 SYP
- **May 2025** (Anticipated) Call for Regional Transportation Projects for FY2026-2031 SYP

Reference Slides

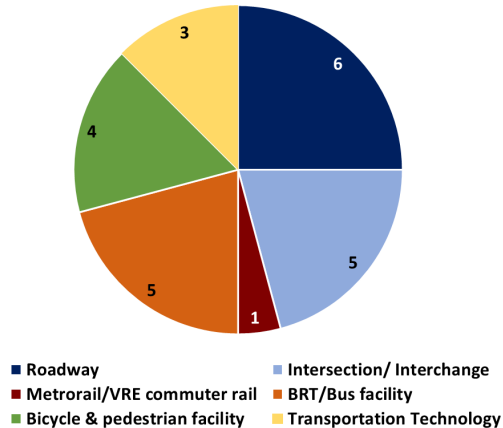


Context: Summary of Candidate Projects



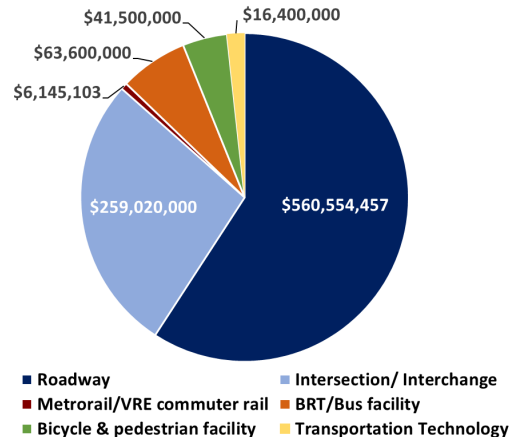
NVTA FY2024-2029 SYP: Number of Applications

Total candidates - 24



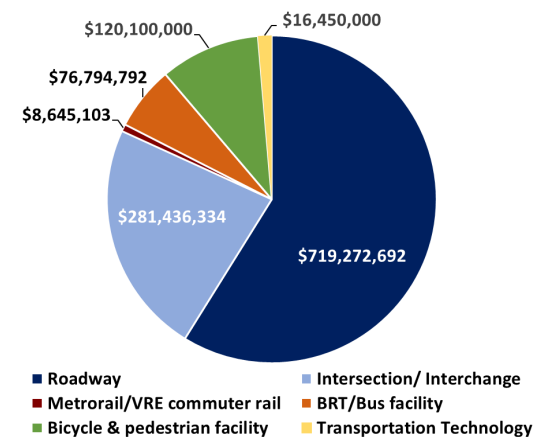
NVTA FY2024-2029 SYP: Requested Amount

Total request - \$947,219,560



NVTA FY2024-2029 SYP: Total Project Cost

Total project cost - \$1,222,698,921



Key Components of the Project Selection Process



- While NVTA has no direct role in deciding which projects/modes are submitted by eligible applicants, projects submitted for funding consideration must be included in the current version of TransAction.
 - Each application must include a resolution of support from the Governing Body in order to be eligible for consideration.
- Eligible applicants determine which, if any, projects to submit to NVTA for funding consideration.
 - Each applicant has its own process for making this determination.
- The available funding amount for each Six Year Program Update is determined as part of the fiscal year budgeting process, which is after the application deadline.
- NVTA's project selection process adheres to all applicable parts of the Code of Virginia.
- NVTA staff project selection recommendations are not based on a single factor, although congestion reduction relative to cost provides the initial ranking.

Key Components of the Project Selection Process



- **Eligibility Review** (TransAction, Governing Body resolution, candidate project located in NoVA)
- **Quantitative Analysis** (Congestion Reduction Relative to Cost, TransAction Project Ratings, Long-Term Benefit)
- **Qualitative Analysis** (Continuation project, past performance, extent of committed external funding, funding gap, project readiness, supporting resolutions from other Governing Bodies, other factors specific to individual candidate projects, modal and geographic balance)
- **Public Comment** received during the public comment period (online, testimony, USPS/delivery, phone)

Long Term Benefit Current Status

