

Total Regional Need:	\$7,921,100,000
<i>Timeframe</i>	
0-5 Years	\$2,253,500,000
5-10 years	\$3,020,500,000
10-15 years	\$2,647,100,000

<i>Project Eligibility</i>	
<i>Eligible</i>	<i>Wild Card</i>
\$1,886,500,000	\$346,000,000
\$2,716,300,000	\$290,000,000
\$2,372,000,000	\$275,100,000

Priority	Eligible or Wildcard?	Projects	Estimate (in millions)				Phase Duration (months)			STATUS:
			PE	RW	CN	TOTAL	PE	RW	CN	
0-5	WC	Fire Station Warning lights/stop light for exiting emergency vehicles when on call to an emergency	N/A	N/A	N/A	\$0.00				
0-5	WC	Railroad crossing safety improvements	N/A	N/A	N/A	\$0.00				
0-5	WC	Repaving/surfacing of Barnetts Road	~\$1.5M per mile order of magnitude			\$0.00				Order of magnitude estimate is in FY2022 Dollars based on previous projects executed in Richmond District.
0-5	WC	Construction of specific improvements resulting from the Rt. 106 Corridor Study (projects may transcend all time horizons)	TBD	TBD	TBD	\$0.00				
0-5	WC	Spot Improvements and shoulder improvements on Willcox Neck Road from Rivers Rest to Rt. 5	\$1.00	\$2.00	\$6.50	\$9.50				Based of FY2024 RSTBG application estimate review. Numbers in FY2022 dollars.
0-5	WC	Shoulder safety pavement markings on all Primaries (example - Rt, 5 going towards Williamsburg)	\$250,000 per mile order of magnitude costs			\$0.00				Order of magnitude estimate is in FY2022 Dollars based on previous project executed in Richmond District.
0-5	E	Micro-transit service in Charles City County linking GRTC and Bay Aging Services (piolet program)	N/A	N/A	N/A	\$0.00				
0-5	WC	Turn lanes and tapers for the County's commercial/industrial park along Rt 106	\$0.50	\$1.00	\$2.00	\$3.50				Order of magnitude estimate is in FY2022 Dollars based on previous project executed in Richmond District.
0-5	WC	Safety Improvements to Rt. 5 and Courthouse Road Intersection	\$1.50	\$1.50	\$5.00	\$8.00				Based on FY2020 SMART SCALE application estimate review. Used PS module to inflate estimate.
0-5	WC	Establishment of a Park and Ride Lot in Charles City County (Courthouse and/or Roxbury)	\$20,000 per space order of magnitude costs			\$0.00				Order of magnitude estimate is in FY2022 Dollars based on previous project executed in Richmond District.
5-10	WC	Wayside Road & Rt. 106 intersection safety Improvements	\$0.70	\$1.00	\$4.00	\$5.70				Order of magnitude estimate is in FY2022 Dollars based on previous project executed in Richmond District.
5-10	WC	Improvement to 2 Mile Trail to bring it into the state system as well as other potential private roads	\$2.00	\$1.50	\$5.00	\$8.50				Order of magnitude estimate is in FY2022 Dollars based on previous project executed in Richmond District.
5-10	WC	Establish a Rural Addition/Revenue Sharing Program	N/A	N/A	N/A	\$0.00				
5-10	WC	Elevation of the north end of Barnetts Road which often floods during periods of high precipitation	TBD	TBD	TBD	\$0.00				Project scope and locations requires additional clarity to develop order of magnitude cost estimate.
5-10	WC	Extension of existing roads to offer alternative(s) to Rt. 5 being the only West to East connection	\$3,000,000 per mile order of magnitude costs			\$0.00				Order of magnitude estimate is in FY2022 Dollars based on previous project executed in Richmond District.
						\$0.00				
						\$0.00				
						\$0.00				
						\$0.00				
Total						\$35.2				

Estimates and schedules are for planning purposes only and are subject to change.

0-5 \$21.00
5-10 \$14.2
10-15 \$0.0

Charles City

Priority	Eligible or Wildcard?	Projects	Estimate (in millions)				Phase Duration (months)			STATUS:
			PE	RW	CN	TOTAL	PE	RW	CN	
0-5	E	Rt 150/Rt 60 Interchange Improvement	\$2.50	\$3.60	\$18.40	\$24.50	24	18	24	IAR underway; future RAISE grant request
0-5	E	Rt 360 (Woodlake Village Pkwy - Otterdale Rd) Widening	\$2.11	\$9.00	\$31.09	\$42.20	12	24	24	30% design underway
0-5	E	288/360: Rt 288 Southbound CD Road with Genito Ramp *	\$3.60	\$1.30	\$40.10	\$45.00	24	12	24	Corridor study/IAR underway
0-5	E	Powhite Pkwy Extended, Ph I	\$17.00	\$16.60	\$166.40	\$200.00	12	12	24	Design underway; \$170 M available
0-5	E	Powhite Pkwy Extended (Woolridge - Rt. 360), Ph II	\$25.00	\$25.00	\$450.00	\$500.00	24	12	30	NEPA underway
0-5	E	288/360: Rt. 288 NB BBC Flyover	\$4.00	\$12.00	\$64.00	\$80.00	24	12	24	PE underway
0-5	E	I-95/Rt 10 Interchange Improvement, Phase II	\$1.00	\$0.62	\$9.88	\$11.50	18	12	12	30% design underway; Pending INFRA grant
0-5	E	I-95/Willis Road Interchange Improvement and Rt 1 Turn Lane Improvements	\$5.30	\$51.30	\$66.80	\$123.40	24	24	30	30% design underway; Pending INFRA grant
0-5	E	Hopkins Road at Chippenham & Hopkins Road Diet	\$2.50	\$7.50	\$40.00	\$50.00	12	18	24	60% design underway (RAISE grant);
0-5	E	Rt 150/Rt 360 Interchange Improvement	\$1.86	\$5.58	\$29.76	\$37.20	18	12	12	Feasibility underway; Reconnecting Communities pending
0-5	WC	Bellwood Connector	\$3.00	\$4.50	\$22.50	\$30.00	24	12	24	
0-5	E	Route 60 (Village of Midlo) Corridor Enhancements	\$2.50	\$3.00	\$27.10	\$32.60	12	18	18	60% design underway
0-5	E	Busy Street Extension	\$1.40	\$4.00	\$9.60	\$15.00	18	18	12	
0-5	WC	Henricus Access Road Supplemental Funding	\$4.50	\$4.00	\$75.00	\$25.00	12	12	24	
0-5	E	FLT: Route 1 FIG (Walmsley - Falling Ck Ave; Elliam - Dwight, Gettings - Willis)	\$4.80	\$1.60	\$17.20	\$23.60	18	24	18	
5-10	E	288/360: Rt 360 Superstreet (5 intersections, Harbour Pointe - Duckridge)	\$6.00	\$18.00	\$96.00	\$120.00	18	18	24	Corridor study underway
5-10	E	Huguenot Rd (Cranbeck Rd - Robious Rd) Congestion & Safety Improvement	\$1.50	\$3.38	\$17.63	\$22.50	18	12	12	
5-10	WC	Genito Rd/Woolridge Rd Innovative Intersection	\$1.50	\$4.50	\$24.00	\$30.00	18	12	18	
5-10	E	288/360: Rt 288 NB (Rt. 360 - Powhite Pkwy) CD Road/Aux Lane *	\$10.00	\$30.00	\$160.00	\$200.00	24	12	18	
5-10	E	288/360: Rt 288 SB (Powhite Pkwy - Commonwealth Center) CD Road*	\$10.00	\$30.00	\$160.00	\$200.00	24	12	18	
5-10	E	Route 288 (I-95 - Route 1) and Rt 288/Rt 1 Interchange Improvement	\$3.50	\$10.50	\$56.00	\$70.00	18	12	18	
5-10	E	Route 60 at Providence Road and Buford Road - Innovative Intersection	\$1.00	\$3.00	\$16.00	\$20.00	24	24	18	
10-15	E	288/360: Commonwealth Center/Old Hundred Intersection Improvement	\$10.00	\$30.00	\$160.00	\$200.00	24	24	24	
10-15	E	FLT: Route 1 - Rt. 10	\$2.00	\$6.00	\$32.00	\$40.00	18	12	12	
10-15	E	FLT: Spur TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
10-15	E	FLT: Trailheads and Amenities TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
10-15	WC	Meadowville Technology Parkway at I-295 - Widening (2 to 4)	\$1.25	\$3.75	\$20.00	\$25.00	24	12	18	
10-15	E	Powhite Pkwy, Chippenham Pkwy, Jahnke Rd - Access, New Alignment & Road Improvements	\$3.00	\$9.00	\$48.00	\$60.00	24	12	24	
10-15	E	288/360: Route 288 (Powhite Pkwy to Lucks Lane) Widening	\$4.50	\$13.50	\$72.00	\$90.00	24	12	24	

Priority	Eligible or Wildcard?	Projects	Estimate (in millions)				Phase Duration (months)			STATUS:
			PE	RW	CN	TOTAL	PE	RW	CN	
10-15	E	Route 288 SB (Lucks Ln - Woolridge Rd) Widening	\$5.00	\$20.00	\$125.00	\$170.00	24	12	24	
10-15	E	Route 1 at Route 10 - Innovative Intersection	\$2.75	\$8.25	\$44.00	\$55.00	24	24	24	
10-15	E	Route 60 at Arboretum Parkway and Pinetta Drive - Innovative Intersection	\$0.90	\$2.70	\$14.40	\$18.00	24	24	18	
10-15	E	Route 60 at Courthouse Road and Huguenot Road - Innovative Intersection	\$1.75	\$5.25	\$28.00	\$35.00	24	24	18	
10-15	E	Route 60 at Wadsworth Drive/Gateway Center Parkway - Innovative Intersection	\$0.70	\$2.10	\$11.20	\$14.00	24	24	18	
10-15	E	288/360: Route 288/Genito Road Full Interchange and CD Roads, NB & SB *	\$12.50	\$37.50	\$200.00	\$250.00	24	12	24	
10-15	E	I-295 at Meadowville Technology Parkway - Interchange Improvement	\$1.50	\$4.50	\$24.00	\$30.00	24	12	18	

Total \$2,889.5

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 * 288/360: Route 288 projects: line 37 is the total project; other projects are phases of that

	0-5	\$1,240.00	1185	55
	5-10	\$662.5	632.5	30
Chesterfield	10-15	\$987.0	962	25

Priority	Eligible or Wildcard?	Projects	Estimate (in millions)				Phase Duration (months)			STATUS:	
			PE	RW	CN	TOTAL	PE	RW	CN		
5-10	E	Rt. 288 SB Auxiliary Lane				\$13.80					
5-10	E	Rt. 288 SB HSR Lane				\$45.90					
5-10	E	Rt. 288 / W Broad St Improvements				\$23.10					
10-15	WC	Three Chopt Rd Widening / Reconnection				\$59.30					
10-15	WC	Tuckahoe Creek Pkwy connection to Ridgefield Pkwy				\$25.80					
			Total				\$167.9				

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0-5	\$0.00	0	0
5-10	\$82.8	82.8	0
10-15	\$85.1	0	85.1

Gochland

Priority	Eligible or Wildcard?	Projects	Estimate (in millions)				Phase Duration (months)			STATUS:
			PE	RW	CN	TOTAL	PE	RW	CN	
0-5	E	North-South BRT – Chamberlayne Ave Section				\$130.00				Eligible for leverage/Local share only
0-5	E	Downtown Transit Hub				\$50.00				Eligible for leverage/Local share only
0-5	WC	Sidewalk Connections to Regional Trails				\$40.00				Need clarity on details - the guidelines say spurs to trails are eligible
0-5	WC	Mosby Street/Mechanicsville Turnpike improvements				\$1.00				Rec 5B, page 188-189 in strategic plan
0-5	WC	Heavy Paving Reconstruction/ Street Maintenance Replacement				\$100.00				Government Road, Williamsburg Avenue, North Avenue, etc
0-5	E	Transit Bus Stop Renovations Capital Costs				\$10.00				Eligible for leverage/Local share only
0-5	WC	Diamond District Streets Infrastructure Improvement Package				\$50.00				Need detail on street eligibility
0-5	WC	City Center Streets Infrastructure Improvement Package				\$40.00				Need detail on street eligibility
0-5	WC	Shockoe Valley Streets Improvement Project with Shockoe Campus Project				\$35.00				Need detail on street eligibility
0-5	E	Southside Richmond US 360 Improvements				\$15.00				
0-5	WC	Manchester Area Transportation Improvements				\$10.00				Need detail on street eligibility
0-5	E	Manchester Bridge Rehabilitation over James River Deck Replacement				\$27.00				
0-5	E	US Route 1 James River Bridge Rehabilitation over James River				\$5.00				Lee Bridge Phase 1
0-5	E	Martin Luther King Bridge Rehabilitation				\$18.50				over Shockoe Valley-(US 33)
0-5	E	Midlothian Turnpike Bridge Rehabilitation				\$30.00				over CSX with BRT Interchange Improvement
0-5	WC	Curbside Management System for Connected Autonomous Vehicles				\$5.00				
0-5	WC	Richmond Signal System – Hardware, Software, Communication, and Infrastructure Maintenance Replacement				\$10.00				Failing Traffic Signal Pole Replacement, Failing Vehicle Detection Replacement, Failing Pedestrian Push Buttons and Countdown Signals Replacement, Failing Traffic Signal Communication Replacement, Traffic Signal Controller and Cabinet Replacement, Modernizing Traffic Control Signal Intersections
5-10	E	RMTA Boulevard Bridge Replacement crossing the James River				\$120.00				
5-10	E	US Route 1 James River Bridge Rehabilitation over James River				\$35.00				Lee Bridge Phase II
5-10	E	Westwood Avenue Bridge Rehabilitation over ACCA Yard				\$5.00				
5-10	E	Westwood Avenue Ramp Bridge Rehabilitation over ACCA Yard				\$3.50				
5-10	E	North South Heavy Construction– North South BRT Transit Route				\$200.00				Downtown Section, Hull Street Section, Belt Boulevard Section, Midlothian Turnpike Section
5-10	E	Eastern Extension of BRT				\$100.00				
5-10	E	Richmond Marine Terminal Interstate Access Improvements				\$80.00				Commerce Road Gateway
5-10	WC	James River Park System / Riverfront / Missing Link Transportation Package				\$20.00				

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			PE	RW	CN	TOTAL	PE	RW	CN		
5-10	WC	Diamond District Streets Infrastructure Improvement Package				\$30.00					
5-10	WC	City Center Streets Improvement Package				\$10.00					
5-10	E	Chippenham Interchange Improvements-Hull St/Midlothian				\$40.00				Chesterfield (20 M) City (20 M)	
5-10	E	Fall Line Trail				\$45.00					
5-10	WC	Jackson Ward Interstate Cap				\$200.00					
10-15	WC	Route 1 Great Street Improvements (Route 1 south of US Route 360)				\$150.00				Package existing and IDed safety improvements, bus stop upgrades, and sidewalks along this corridor into one large regional project	
10-15	E	Belvidere I-95/I-64 Interchange				\$80.00					
10-15	E	Bryan Park I-95 / I-64 / I-195 Interchange				\$80.00					
10-15	E	Bellemeade Road Interchange/Access to the Port				\$250.00					
10-15	WC	Richmond Signal System – Hardware, Software, Communication, and Infrastructure Maintenance Replacement				\$15.00				Failing Traffic Signal Pole Replacement, Failing Vehicle Detection Replacement, Failing Pedestrian Push Buttons and Countdown Signals Replacement, Failing Traffic Signal Communication Replacement, Traffic Signal Controller and Cabinet Replacement, Modernizing Traffic Control Signal Intersections	
			Total				\$2,040.0				

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0-5	\$576.50	285.5	291
5-10	\$888.5	628.5	260
10-15	\$575.0	410	165

Richmond