Total Regional Need: \$7,921,100,000

Timeframe
0-5 Years \$2,253,500,000

5-10 years \$3,020,500,000

10-15 years \$2,647,100,000

Project Eligibility	
Eligible	Wild Card
\$1,886,500,000	\$346,000,000
\$2,716,300,000	\$290,000,000

\$275,100,000

\$2,372,000,000



			Estimate (in millions)				Phase	Duration (m	onths)	
Priority	Eligible or Wildcard?	Projects	PE	RW	CN	TOTAL	PE	RW	CN	STATUS:
0-5	E	Rt.1 / Ashcake Road Intersection Imp				\$4.50				
0-5	E	Rt.1 Ashcake to SCL				\$40.00				
0-5	E	Vaughan Road Grade Separated Crossing				\$40.00				
5-10	E	I-95 Overpass				\$20.00				
5-10	E	Ashcake Grade Separated Crossing				\$50.00				
									l	

				Estimate (	in millions)		Phase Du	ration (mont	ths)	
	Eligible or			1				1		
Priority	Wildcard?	Projects	PE	RW	CN	TOTAL	PE	RW	CN	STATUS:
		Fire Station Warning lights/stop light for								
	WC	exiting emergency vehicles when on call								
0-5		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				
	14/6				•					Order of magnitude estimate is in FY2022 Dollars based on
0-5	WC	Repaving/surfacing of Barnetts Road	~\$1.5M p	er mile order of r	magnitude	\$0.00				previous projects executed in Richmond District.
		Construction of specific improvements								
	wc	resulting from the Rt. 106 Corridor								
	WC	Study (projects may transcend all time								
0-5		horizons)	TBD	TBD	TBD	\$0.00				
		Spot Improvements and shoulder								
	WC	improvements on Willcox Neck Road								Based of FY2024 RSTBG application estimate review.
0-5		from Rivers Rest to Rt. 5	\$1.00	\$2.00	\$6.50	\$9.50				Numbers in FY2022 dollars.
		Shoulder safety pavement markings on			•					
	WC	all Primaries (example - Rt, 5 going								Order of magnitude estimate is in FY2022 Dollars based on
0-5		towards Williamsburg)	\$250,000 per	mile order of ma	gnitude costs	\$0.00				previous project executed in Richmond District.
		Micro-transit service in Charles City								
	E	County linking GRTC and Bay Aging								
0-5		Services (piolet program)	N/A	N/A	N/A	\$0.00				
		Turn lanes and tapers for the County's		-	-	·				Order of magnitude estimate is in FY2022 Dollars based on
0-5	WC	commercial/industrial park along Rt 106	\$0.50	\$1.00	\$2.00	\$3.50				previous project executed in Richmond District.
		Safety Improvements to Rt. 5 and								Based on FY2020 SMART SCALE application estimate review.
0-5	WC	Courthouse Road Intersection	\$1.50	\$1.50	\$5.00	\$8.00				Used PS module to inflate estimate.
		Establishment of a Park and Ride Lot In			•					
	wc	Charles City County (Courthouse and/or								Order of magnitude estimate is in FY2022 Dollars based on
0-5		Roxbury)	\$20,000 per s	space order of ma	gnitude costs	\$0.00				previous project executed in Richmond District.
		Wayside Road & Rt. 106 intersection								Order of magnitude estimate is in FY2022 Dollars based on
5-10	WC	safety Improvements	\$0.70	\$1.00	\$4.00	\$5.70				previous project executed in Richmond District.
		Improvement to 2 Mile Trail to bring it								
	wc	into the state system as well as other								Order of magnitude estimate is in FY2022 Dollars based on
5-10		potential private roads	\$2.00	\$1.50	\$5.00	\$8.50				previous project executed in Richmond District.
	14/6	Establish a Rural Addition/Revenue								
5-10	WC	Sharing Program	N/A	N/A	N/A	\$0.00				
		Elevation of the north end of Barnetts					İ			
	WC	Road which often floods during periods								Project scope and locations requires additional clarity to
5-10		of high precipitation	TBD	TBD	TBD	\$0.00				develop order of magnitude cost estimate.
		Extension of existing roads to offer		•	•					
	WC	alternative(s) to Rt. 5 being the only								Order of magnitude estimate is in FY2022 Dollars based on
5-10		West to East connection	\$3,000,000 pe	r mile order of m	agnitude costs	\$0.00				previous project executed in Richmond District.
			·			\$0.00				
						\$0.00				
						\$0.00	İ			
						\$0.00				
		•	•	•	Total	<b>\$25.2</b>				•

Total \$35.2

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

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

Charles City 10-15 \$0.0

Eligible or			Estimate (in millions)					Duration (mo	nths)	
	Eligible or									
Priority	Wildcard?	Projects	PE	RW	CN	TOTAL	PE	RW		STATUS:
)-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
	Е	Rt 360 (Woodlake Village Pkwy -								
0-5	-	Otterdale Rd) Widening	\$2.11	\$9.00	\$31.09	\$42.20	12	24	24	30% design underway
	E	288/360: Rt 288 Southbound CD Road								
0-5		with Genito Ramp *	\$3.60	\$1.30	\$40.10	\$45.00	24	12		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
	Е	Powhite Pkwy Extended (Woolridge - Rt.	40= 00	40= 00	4.=-	4				
0-5		360), Ph II	\$25.00	\$25.00	\$450.00	\$500.00	24	12		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	Е	I-95/Rt 10 Interchange Improvement,	ć1 00	¢0.62	ć0.00	¢11 F0	10	12	12	200/ design and access Design INFDA areas
0-5		Phase II	\$1.00	\$0.62	\$9.88	\$11.50	18	12	12	30% design underway; Pending INFRA grant
	_	I-95/Willis Road Interchange								
0.5	E	Improvement and Rt 1 Turn Lane	ćF 20	ć=1 20	¢cc 00	ć122.40	24	24	20	200/ design and access Design INFDA areas
0-5		Improvements	\$5.30	\$51.30	\$66.80	\$123.40	24	24	30	30% design underway; Pending INFRA grant
0.5	Е	Hopkins Road at Chippenham & Hopkins Road Diet	ć2 F0	67.50	ć 40.00	<b>450.00</b>	4.0	4.0	24	500( L :
0-5		Road Diet	\$2.50	\$7.50	\$40.00	\$50.00	12	18	24	60% design underway (RAISE grant);
0.5	E	Pt 1E0/Pt 260 Interchange Impressement	¢1.96	\$5.58	\$20.76	627.20	4.0	13	13	Foodbility and array and Decompositing Community
0-5 0-5	WC	Rt 150/Rt 360 Interchange Improvement Bellwood Connector	\$1.86 \$3.00	\$5.58	\$29.76 \$22.50	\$37.20 \$30.00	18 24	12 12	24	Feasibility underway; Reconnecting Communites pending
0-5	WC	Route 60 (Village of Midlo) Corridor	\$3.00	\$4.50	\$22.50	\$30.00	24	12	24	
0-5	E	Enhancements	\$2.50	\$3.00	\$27.10	\$32.60	12	18	10	60% design underway
0-5 0-5	E	Busy Street Extension	\$2.50	\$4.00	\$9.60	\$15.00	18	18	12	60% design underway
0-5	E	Henricus Access Road Supplemental	\$1.40	\$4.00	\$9.00	\$15.00	16	18	12	
0-5	WC	Funding	\$4.50	\$4.00	\$75.00	\$25.00	12	12	24	
0-3		FLT: Route 1 FIG (Walmsley - Falling Ck	54.50	54.00	\$75.00	\$25.00	12	12	24	
0-5	E	Ave; Elliahm - Dwight, Gettings - Willis)	\$4.80	\$1.60	\$17.20	\$23.60	18	24	18	
0-3		Twe, Emailin Bwight, deterings willist	<b>у</b> ч.00	71.00	Ç17.20	\$23.00	10	24	10	
	Е	288/360: Rt 360 Superstreet (5								
5-10		intersections, Harbour Pointe - Duckridge)	\$6.00	\$18.00	\$96.00	\$120.00	18	18	24	Corridor study underway
3-10		Huguenot Rd (Cranbeck Rd - Robious Rd)	\$0.00	\$18.00	\$30.00	\$120.00	10	18	24	Corridor study underway
5-10	E	Congestion & Safety Improvement	\$1.50	\$3.38	\$17.63	\$22.50	18	12	12	
3-10		Genito Rd/Woolridge Rd Innovative	Ş1.50	75.50	Ş17.03	<b>722.30</b>	10	12	12	
5-10	WC	Intersection	\$1.50	\$4.50	\$24.00	\$30.00	18	12	18	
3 10		288/360: Rt 288 NB (Rt. 360 - Powhite	Ş1.50	<b>ў</b> 4.30	ŞZ4.00	<b>750.00</b>	10		10	
5-10	E	Pkwy) CD Road/Aux Lane *	\$10.00	\$30.00	\$160.00	\$200.00	24	12	18	
3 10		288/360: Rt 288 SB (Powhite Pkwy -	Ψ10.00	φσο.σσ	Ψ200.00	<b>\$200.00</b>				
5-10	E	Commonwealth Center) CD Road*	\$10.00	\$30.00	\$160.00	\$200.00	24	12	18	
3 10		Route 288 (I-95 - Route 1) and Rt 288/Rt 1	<b>V10.00</b>	φ50.00	<b>\$200.00</b>	<b>\$200.00</b>				
5-10	E	Interchange Improvement	\$3.50	\$10.50	\$56.00	\$70.00	18	12	18	
		Route 60 at Providence Road and Buford	72.30	7	722.00	Ç, 3.00	10		- 10	
5-10	E	Road - Innovative Intersection	\$1.00	\$3.00	\$16.00	\$20.00	24	24	18	
		288/360: Commonwealth Center/Old				7_3.00	1			
10-15	E	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	
,		Meadowville Technology Parkway at I-295			.55	.55	.25			
10-15	WC	- Widening (2 to 4)	\$1.25	\$3.75	\$20.00	\$25.00	24	12	18	
		Powhite Pkwy, Chippenham Pkwy, Jahnke	72.23	ψ33	\$20.00	Ç23.00				
	Е	Rd - Access, New Alignment & Road								
10-15	_	Improvements	\$3.00	\$9.00	\$48.00	\$60.00	24	12	24	
		288/360: Route 288 (Powhite Pkwy to	75.00	\$5.00	Ç-10.00	200.00				
	E	Lucks Lane) Widening	\$4.50	\$13.50	\$72.00	\$90.00	24	12	24	

				Estimate (	n millions)	n millions)		Duration (m	onths)	
Priority	Eligible or Wildcard?	Projects	PE	RW	CN	TOTAL	PE	RW	CN	I STATUS:
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	3
10-15	E	Route 60 at Courthouse Road and Huguenot Road - Innovative Intersection	\$1.75	\$5.25	\$28.00	\$35.00	24	24	18	3
10-15	E	Route 60 at Wadsworth Drive/Gateway Center Parkway - Innovative Intersection	\$0.70	\$2.10	\$11.20	\$14.00	24	24	18	3
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	3

\$987.0

Total \$2,889.5 Estimates and schedules are for planning purposes only and are subject to change. 0-5 \$1,240.00 \* 288/360: Route 288 projects: line 37 is the total project; other projects are phases of that 10-15

Chesterfield

			Estimate (in millions)				Phase	Duration (m	onths)	
Priority	Eligible or Wildcard?	Projects	PE	RW	CN	TOTAL	PE	RW	CN	STATUS:
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				

				in millions)		Phase	Duration (m	onths)		
Priority	Eligible or	Projects	PE	RW	CN	TOTAL	PE	RW	CN	STATUS:
	Wildcard? E	Atlee Station Road widening	1 L	1(00	CIV	\$35.00	1.2	11,00	CIV	2 to 4 lanes (Ph 3)
0-5 0-5	E	FLT Missing Segments				\$100.00				Regionwide
0-5 0-5	E	Mayo Bridge Replacement				\$80.00				Regionwide (note: Check on funding status)
0-5	E	I-95 / Route 54 Interchange				\$80.00				Regionwide (note: Check on funding status)
5-10	E	Capacity/Operations				\$35.00				
2-10		Meadowbridge Road / Atlee Road				\$35.00				
F 10	E	Intersection Capacity/Operations				\$15.00				
5-10		Pouncey Tract Road / Ashland Road				\$15.00				
T 10	E	Intersection Capacity/Operations				ć10.00				
5-10						\$10.00				
- 40	Е	Rt 360 / Walnut Grove Road Intersection				440.00				
5-10		Capacity/Operations				\$10.00				
5-10	E	Vaughan Road Overpass & Extension				\$40.00				
	Е	I-95 / I-64 Overlap Capaqcity &				4=00.00				
5-10		Operations				\$500.00				Regionwide
5-10	E	Rt. 288 Widening				\$250.00				Regionwide
10-15	E	Rt 33 Widening				\$100.00				2 to 4 lanes (Ph 1)
10-15	E	I-95 N Widening				\$500.00				Regionwide
10-15	E	I-64 W Widening				\$400.00				Regionwide
					Total			'		

Total \$2,075.0

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

0-5 \$215.00 215 5-10 \$860.0 860

Hanover 10-15 \$1,000.0 1000

				Estimate (i	in millions)	•	Phase	Duration (m	onths)	
Priority	Eligible or Wildcard?	Projects	PE	RW	CN	TOTAL	. PE	RW	' CN	STATUS:
0-5	E	Short Pump Improvements				\$75.00				total cost \$305 million
0-5	E	I-95 / Parham Road Interchange Modifications				\$2.50				total cost \$27 million
0-5	E	Western Pulse BRT Extension				\$14.00				total cost \$55.6 million - joint project with GRTC
5-10	E	Route 5 / New Osbourne Turnpike Improvements				\$40.00				total cost \$171 million - joint project with City of Richmond
5-10	E	Richmond-Henrico Turnpike / Meadowbridge Road Improvements				\$43.50				joint project with Hanover County - based on cost in ConnectRVA 2045
5-10	E	North-South BRT Extension				\$42.50				joint project with GRTC - based on City of Richmond to Ashland in ConnectRVA 2045
5-10	E	I-64 / Gaskins Road Interchange Modification				\$82.30				based on ConnectRVA 2045 estimate
5-10	E	Bryan Park Interchange Modifications				\$74.20				joint project with City of Richmond - based on cost in ConnectRVA 2045
5-10	E	Staples Mill Road Amtrak Station Replacement				\$120.00				Eligible for leverage/local match (Transit Station or Center)
5-10	E	James River Heritage Trail (Richmond to Goochland)				\$40.00				joint project with City of Richmond and Goochland County
	1						<b>-</b>	<b>-</b>	<u> </u>	
	1							<b>†</b>		
	İ									
		<u> </u>			Total	ć=24.0				

Total \$534.0

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

 0-5
 \$91.50
 91.5
 0

 5-10
 \$442.5
 442.5
 0

Henrico 10-15 \$0.0 0

				Estimate (i	in millions)	n millions)			onths)	
Priority	Eligible or Wildcard?	Projects	PE	RW	CN	TOTAL	PE	RW	CN	STATUS:
0-5	Е	106 Interchange				\$25.00				
					Total	\$25.0				

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New Kent

Total \$25.0

\$25.0

25 0

\$0.0

10-15

\$0.0
0

				Estimate (i	n millions)	millions) Phase Duratio			onths)	
Priority	Eligible or Wildcard?	Projects	PE	RW	CN	TOTAL	PE	RW	CN	STATUS:
	-			-			_		_	
							_		_	

Total \$0.0

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

0-5 \$0.00 5-10 \$0.0

Powhatan 10-15 \$0.0

				Estimate (	in millions)		Phase	Duration (m	ionths)	
	Eligible or		D.F.	514		TOTAL		D144		UCTATUS
Priority	Wildcard?	Projects	PE	RW	CN	TOTAL	PE	RW	Cr	STATUS:
	Е	North-South BRT – Chamberlayne Ave				4.00.00				
0-5		Section  Downtown Transit Hub				\$130.00				Eligible for leverage/Local share only Eligible for leverage/Local share only
0-5	E	Downtown Transit Hub				\$50.00				Need clarity on details - the guidelines say spurs to trails are
0-5	WC	Sidewalk Connections to Regional Trails				\$40.00				eligible
0-5		Mosby Street/Mechanicsville Turnpike	+			\$40.00				eligible
0-5	WC	improvements				\$1.00				Rec 5B, page 188-189 in strategic plan
0 3		Heavy Paving Reconstruction/ Street				\$1.00				nee 35, page 130 103 in strategie plan
0-5	WC	Maintenance Replacement				\$100.00				Government Road, Williamsburg Avenue, North Avenue, etc
0.5		Transit Bus Stop Renovations Capital				Ψ100.00				
0-5	Е	Costs				\$10.00				Eligible for leverage/Local share only
		Diamond District Streets Infrastructure				,				,
0-5	WC	Improvement Package				\$50.00				Need detail on street eligibility
		City Center Streets Infrastructure								
0-5	WC	Improvement Package				\$40.00				Need detail on street eligibility
	WC	Shockoe Valley Streets Improvement								
0-5	WC	Project with Shockoe Campus Project				\$35.00				Need detail on street eligibility
	Е	Southside Richmond US 360								
0-5		Improvements				\$15.00				
	WC	Manchester Area Transportation								
0-5	WC	Improvements				\$10.00				Need detail on street eligibility
	Е	Manchester Bridge Rehabilitation over								
0-5	_	James River Deck Replacement				\$27.00				
	Е	US Route 1 James River Bridge								
0-5	_	Rehabilitation over James River				\$5.00				Lee Bridge Phase 1
	Е					4				al I I I I I I I I I I I I I I I I I I I
0-5		Martin Luther King Bridge Rehabilitation				\$18.50				over Shockoe Valley-(US 33)
0.5	Е	Midlathia Tamaila Daida Dahahilitatian				<b>†20.00</b>				CCV with DDT laterals are larger at
0-5		Midlothian Turnpike Bridge Rehabilitation Curbside Management System for				\$30.00				over CSX with BRT Interchange Improvement
0-5	WC	Connected Autonomous Vehicles				\$5.00				
0-5		Connected Autonomous venicles				\$5.00				Failing Traffic Signal Pole Replacement, Failing Vehicle
										Detection Replacement, Failing Pedestrian Push Buttons and
										Countdown Signals Replacement, Failing Traffic Signal
	WC	Richmond Signal System – Hardware,								Communication Replacement, Traffic Signal Controller and
		Software, Communication, and								Cabinet Replacement, Modernizing Traffic Control Signal
0-5		Infrastructure Maintenance Replacement				\$10.00				Intersections
		RMTA Boulevard Bridge Replacement				Ţ_3.00				
5-10	E	crossing the James River				\$120.00				
	_	US Route 1 James River Bridge								
5-10	E	Rehabilitation over James River				\$35.00				Lee Bridge Phase II
	_	Westwood Avenue Bridge Rehabilitation								
5-10	E	over ACCA Yard				\$5.00				
	Е	Westwood Avenue Ramp Bridge								
5-10		Rehabilitation over ACCA Yard				\$3.50				
	Е	North South Heavy Construction– North								Downtown Section, Hull Street Section, Belt Boulevard Section,
5-10		South BRT Transit Route				\$200.00				Midlothian Turnpike Section
5-10	E	Eastern Extension of BRT				\$100.00				
	Е	Richmond Marine Terminal Interstate								
5-10	L	Access Improvements				\$80.00				Commerce Road Gateway
	wc	James River Park System / Riverfront /								
5-10	.,,	Missing Link Transportation Package				\$20.00				

				Estimate (	in millions)		Phase	Duration (m	onths)	
Priority	Eligible or Wildcard?	Projects	PE	RW	CN	TOTAL	PE	RW	CN	STATUS:
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	Е	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
 29

 5-10
 \$888.5
 628.5
 260

Richmond 10-15 \$575.0 410 165