

Sources of Capital Project Concept Development - Consolidated Chart

	Regulation	Richmond 300 Comprehensive Plan ¹	Specific Master Plan	City Revenue Generation	Best Practice Policy	Condition Assessment	Legislative (City Council) Directive	Mayoral Goal ¹	Economic Development Investment	Natural and Manmade Emergencies	Needs Analysis Based on Technical Criteria	Citizen Request System	Public Safety
Department of Public Works													
Transportation Capital Projects	Yes ⁱⁱ	Yes	Yes ⁱⁱⁱ		Yes ^{iv}	Yes ^v	Yes ^{vi}	Yes ^{vii} , CIP			Yes ^{viii}	Yes	Yes ^{ix}
Bridge / Asset Management		Yes	Yes			Yes ^x						Yes	
City Equipment (Fleet)		Yes	-		Yes ^{xi}	Yes ^{xii}		CIP					CIP
Parking Enterprise Fund		Yes	Yes ^{xiii}	Yes ^{xiv}		Yes ^{xv}						Yes	
Facilities		Yes	Yes ^{xvi}	Yes ^{xvii}		Yes ^{xviii}		CIP					Yes ^{xix}
Special Capital Projects		Yes	-					CIP					
Urban Forestry		Yes	Yes		Yes ^{xx}	Yes ^{xxi}				Yes	No	Yes	
Department of Planning and Development Review													
		Yes	-									Yes	
Department of Economic and Community Development													
		Yes	Yes					CIP					
Department of Public Utilities													
Water Utility	Yes ^{xxii}	Yes	Yes ^{xxiii}	Yes				CIP		Yes		Yes	
Natural Gas Utility	Yes ^{xxiv}	Yes	Yes ^{xxv}	Yes				CIP		Yes			
Stormwater Utility ²	Yes ^{xxvi}	Yes	Yes ^{xxvii}	Yes				CIP		Yes ^{xxviii}		Yes	
Electric Utility	Yes ^{xxix}	Yes	Yes ^{xxx}					CIP					
Wastewater Utility ³	Yes ^{xxxi}	Yes	Yes ^{xxxii}	Yes				CIP		Yes		Yes	
Fire Department													
		Yes	Yes										
Police Department													
		Yes	Yes										
Department of Emergency Services													
		Yes	Yes										Yes
Department of Parks, Recreation, and Community Facilities													
Parks		Yes	Yes ^{xxxiii}					Yes ^{xxxiv} , CIP					
Richmond Public Schools													
Schools		Yes	Yes ^{xxxv}										

¹ If 'CIP' denoted in cell, additional information available in **20 Year CIP Plan** table

² Including the flood protection system walls and levees

³ Including the combined sewer control program

Transportation Capital Projects						
<i>Structural Inventory:</i>	26 Culverts	29 Total Lane Miles (11' lane)	22 Bridges owned by Department of Parks and Recreation	39 VDOT/RMTA Bridges within City Limits		
<i>Mobility:</i>	1,836 Moving Lane Miles (paid by VDOT)	836 Miles of Sidewalks	489 Traffic Signals (signalized intersections)	126 Beacons	44,821 Total Signs (19,071 regulatory, 5,570 warning, 6,461 information/guide, 13,719 other)	200 Miles of Alley
Bridge / Asset Management						
	57 Bridges					
City Equipment (Fleet)						
	42 Mowing Devices	43 Tractors	229 Trucks, 1 ton or less	217 Trucks, more than 1 ton	3 Bi-Fuel Sedans	3 Bi-Fuel Trucks
	3 Buses	136 Cargo Vans	5 Command Posts	61 Pieces of Construction Equipment	18 Emergency Trailers	156 Equipment Trailers
	47 Fire Suppression Vehicles	20 Leaf Machines	13 Non-City Equipment items	36 Packers	193 Passenger Sedans	188 Passenger SUVs
	75 Passenger Vans	236 Marked (24/7) Police Vehicles	1 Marked Police Boat	55 Marked Police Vehicles	206 Unmarked Police Vehicles	2 Rentals
	55 Salt & Sand Spreaders	2 Marked Sheriff Vehicles	10 Unmarked Sheriff Vehicles	110 Pieces of Small Equipment	50 Snow Plows	6 Street Sweepers
	8 Undercover/Seized Vehicles					
Parking Enterprise Fund						
	11 Parking Garages	9 Parking Lots				
Facilities						
<i>Square Footage of Buildings:</i>	207,529 total square feet of Courthouse Buildings	428,000 total square feet of Detention Facilities	146,146 total square feet of Fire Stations	1,070,890 total square footage for Office Buildings	57,906 square feet of Vehicle Maintenance Facilities	15,612 square feet of Operations Administration Facilities
	33,754 square feet of Operation Facilities	18,438 square feet of Office/Maintenance Buildings	34,155 square feet of Police Stations	61,625 square feet of Police Training Facilities	167,565 square feet of Public Libraries	600 square feet of Solid Waste Transfer Office Space
	7,760 square feet of Storage Facilities	15,128 square feet of Fire Training Facilities	44,491 square feet of Youth Detention Centers	3,500 square feet for the RAA Break Room	101,100 square feet for the Richmond Diamond Baseball Stadium	9,100 square feet for the RAA Garage
	2,050 square feet for Emergency Communication Tower Storage Building	15,421 square feet of Office Building/Animal Shelter (Animal Care & Control)				
<i>Department of Public Utilities:</i>	Public Utilities Operations Center - 14.280 acres	Stormwater Operations Center - 4.997 acres	Gas Operations Safety and Operations Training - 13.796 acres			
Urban Forestry						
	120,000 Trees					
Water Utility						
	1 Water Treatment Facility	1 Water Treatment Plant Floodwall	10 Water Storage Tanks	12 Pump Stations	6,194 Fire Hydrants	975 Miles of Water Pipe
Natural Gas Utility						
	8 Gate Stations	170 Regulator Stations	1,926 Miles of Gas Mains/Pipes			
Stormwater Utility						
	9,552 Catch Basins	1,617 Outfalls	96 BMPs	1 City Floodwall	4 Pumping/Lift Stations	308 Miles of Ditches
	249 Miles of Storm Sewer Pipes					
Electric Utility						
	32,000 Streetlights	5 Substations	26,410 Poles	772 Miles of Cable		
Wastewater Utility						
	1 Wastewater Treatment Facilities	5 Pumping/Lift Stations	56 Outfalls	3 CSO Facilities	524 Miles of CSO Lines	478 Miles of Sanitary Sewer Lines
Fire Department						
	146,146 total square feet of Fire Stations	15,128 square feet of Fire Training Facilities	47 Fire Suppression Vehicles			
Police Department						
	34,155 square feet of Police Stations	61,625 square feet of Police Training Facilities	236 Marked (24/7) Police Vehicles 1 Marked Police Boat	55 Marked Police Vehicles	8 Undercover/Seized Vehicles	
<i>Sheriff Department:</i>	428,000 total square feet of Detention Facilities	2 Marked Sheriff Vehicles	10 Unmarked Sheriff Vehicles			
<i>Courts:</i>	207,529 total square feet of Courthouse Buildings					
Department of Parks & Recreation						
	89 Parks totaling 2306.25 acres (some of the acreage includes locations on RPS property, but maintained by DPR)	19 Recreation Centers	9 Swimming Pools	1 Golf Course	3 Stages/ Amphitheaters	7 Miles of River/14 Miles of River Banks
	6 Lakes	92 Tennis Courts	30 Athletic Fields	17 Baseball Fields	31 Softball Fields	30 Trails (40 Miles worth of Trails)

Department of Public Works

Department of Public Utilities

Fire Dept

Police Department

Department of Parks & Recreation

Additional Information and Notes

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Endnotes

- ⁱ Alignment with [Richmond 300: A Guide for Growth](#), including but not limited to Goals 2 (City-Owned Assets), 9 (Streets, Bridges, & Connections), 15 (Clean Air), 16 (Clean Water), 17 *Resilient & Healthy Communities
- ⁱⁱ Right of Way Excavation and Restoration Manual Department of Public Works 2005; Right of Way Design and Construction Manual; Manual on Uniform Control Traffic Devices
- ⁱⁱⁱ Pedestrian / Bicycle Accessibility Richmond Bicycle Master Plan; New Road Construction; Richmond Strategic Multimodal Transportation Plan 2013
- ^{iv} Neighborhood in Bloom (NIB) Program - Infrastructure improvements; Better Streets City of Richmond
- ^v City of Richmond Virginia Pavement Condition Scores 2020; Urban New Sidewalk Program; Road Rehabilitation/ Modification; Virginia Highway Functional Classification; City of Richmond portion of The Richmond Area MPO 2005 Functional Classification; Neighborhood Sidewalk Improvement Program
- ^{vi} Traffic Calming
- ^{vii} Foundational to building One Richmond is frequent, fast, and reliable public transportation and its supporting infrastructure.
- ^{viii} Streetscape Improvements; Urban New Curb & Gutter Program
- ^{ix} Work Zone Safety Traffic Control Specifications for Work in Street and Alley Permits April 2011; City of Richmond, Virginia Department of Public Works Transportation Engineering Division; Annual Handicap Accessibility Program
- ^x Bridge rehabilitation/new bridges
- ^{xi} Fleet additions policy
- ^{xii} Fleet replacement condition criteria
- ^{xiii} Parking Enterprise Fund Strategic Plan
- ^{xiv} Parking Enterprise Fund separates parking related revenue streams, operations, maintenance and existing debt service from the General Fund.
- ^{xv} Parking Enterprise Fund Facilities Assessment
- ^{xvi} Library Master Plan
- ^{xvii} Main Street Station is maintained and operated as a revenue source.
- ^{xviii} City of Richmond Facilities Condition Assessment 2019
- ^{xix} Police, Fire, Emergency Communication and Richmond Ambulance Authority are maintained for service.
- ^{xx} Better Streets City of Richmond
- ^{xxi} STRATUM Sample Survey of Street Trees For City of Richmond, Urban Forestry Division; Dynamic inventory of all public right of way trees
- ^{xxii} Safe Drinking Water Act; Virginia State Code
- ^{xxiii} Water Distribution Master Plan; Water Treatment Master Plan
- ^{xxiv} PHMSA; SCC
- ^{xxv} Natural Gas Utility Master Plan
- ^{xxvi} Clean Water Act; Virginia State Code; US Secretary of the Army Regulations (floodwall jurisdiction by Army Corps of Engineers)
- ^{xxvii} James River Water Resources Master Plan; Stormwater Master Plan and Standards; Clean Water Action Plan
- ^{xxviii} FEMA Flood Insurance Study
- ^{xxix} City of Richmond Code
- ^{xxx} Streetlight Master Plan
- ^{xxxi} Clean Water Act; Virginia State Code
- ^{xxxii} Wastewater Treatment Plant Master Plan; Richmond Phase III CSO Control Program Project Plan; CSO Long Term Control Plan; Wastewater Collections System Master Plan; Clean Water Action Plan
- ^{xxxiii} James River Park Master Plan 2020
- ^{xxxiv} 10 pieces of city land to be turned into parks and recreational space to address greenspace inequity
- ^{xxxv} Dreams4RPS: the 2018 -23 RPS Strategic Plan September 2018

20 Year CIP Plan (millions)				
	FY 19-23	FY 24-29	FY 30-34	FY 35-38
Department of Public Works				
Transportation Capital Projects - <i>Infrastructure</i>	\$162.2	\$94.3	\$115.7	\$136.9
City Equipment (Fleet) - <i>Equipment</i>	\$31.1	\$25.0	\$38.0	\$31.3
Facilities - <i>City Facilities</i>	\$10.6	\$9.9	\$11.0	\$11.9
Facilities - <i>Public Safety</i>	\$15.9	\$44.4	\$34.6	\$47.5
Special Capital Projects - <i>Schools</i>	\$180.0	\$200.0	\$212.0	\$238.0
Department of Economic Development				
<i>Economic Development</i>	\$4.3	\$20.0	\$20.0	\$20.8
Department of Public Utilities				
<i>Water Utility</i>	\$114.1	\$106.7	\$147.6	\$143.4
<i>Natural Gas Utility</i>	\$178.1	\$203.9	\$236.4	\$274.0
<i>Stormwater Utility</i>	\$74.8	\$79.2	\$84.0	\$89.0
<i>Electric Utility</i>	\$18.1	\$18.6	\$9.0	\$3.6
<i>Wastewater Utility</i>	\$197.4	\$191.5	\$216.3	\$200.5
Department of Parks & Recreation				
<i>Neighborhoods</i>	\$20.9	\$23.6	\$23.0	\$19.9
Richmond Public Schools				
<i>Schools</i>	\$180.0	\$200.0	\$212.0	\$238.0