

November 2021 Bond Referendum

School Project Justifications:

Project	Estimated Cost	Justification
Technology Upgrades & Replacements	\$45,086,707	Projects include but are not limited to the upgrading and/or replacing of systems, switches, servers, blade servers, routers, laptops, printers, controllers, wireless systems, disk expansion, and technology-based instructional solutions throughout the division. Also includes building access controls and security cameras. This project enables the school division to accommodate the changes in technology that are necessary to support the dynamic needs of students and staff.
Capital Maintenance & Additions	\$127,978,372	Projects include but are not limited to major maintenance in school facilities, mechanical (HVAC) and roofing replacements, flooring replacements, asphalt replacement, the addition of special education classrooms, learning cottages (modulars), playground expansions/replacements, and renovation and modernization of learning spaces.
New & Replacement Buses	<u>\$33,734,921</u>	Purchase school buses to accommodate student enrollment growth and the periodic replacement of aged-out buses. This will include passenger buses, buses for special needs students, Head Start buses, and major component replacements (i.e. engines). All components of this project enable the provision of safe and efficient student transportation.
	\$206,800,000	
Gross Potential Tax Rate Impact	\$0.11	
Net Potential Tax Rate Impact	\$0.03	

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Transportation Project Justifications:

Project	Estimated Cost	Justification
Exit 126 Southbound Ramp Improvements	\$12,559,372	This project would improve the intersection of Rt. 1 southbound and southbound on-ramps to add an additional left turn lane and widen the on-ramp to two lanes. This project is necessary to mitigate traffic capacity and safety issues in the area of the VA Clinic development.
Rt. 1/Hood Dr./Mine Rd. Intersection & Traffic Flow Improvements	\$25,000,000	This project will improve the Rt. 1/Hood Drive/Mine Road intersection and Rt. 1 traffic flow. The project is necessary to mitigate traffic capacity and safety issues in the area of the VA Clinic development.
Germanna Point Drive Extension	\$25,000,000	This project would extend Germanna Point Drive to Spotsylvania Avenue as a two-lane road with bike and pedestrian accommodations. The project is expected to be an alternative to Rt. 1 between Rt. 17 and the Lafayette Boulevard area. This project is necessary to mitigate traffic capacity and safety issues in the area of the VA Clinic development.
Rt. 2/17 Widening	\$19,921,258	This project would widen Rt. 2/Rt. 17 to four lanes from the City of Fredericksburg line to the south side of Shannon Airport. Once complete, the project would eliminate a major traffic chokepoint and safety problems, and would provide the transportation infrastructure necessary to support economic development opportunities at the Spotsylvania Industrial Park, Shannon Airport area, and along the Rt. 2/Rt. 17 corridor.
Harrison Road Widening	\$10,000,000	This project would widen Harrison Road from Salem Church/Leavells roads at least to the bridge over I-95, and potentially to Kingswood Boulevard. The project is anticipated to include a shared-use path along the north side of the road and a sidewalk along the south side. This project would improve traffic flow.
Roundabout - Old Plank & Andora	\$661,879	This project includes design, right of way, and construction of a roundabout at the current 3-way stop at Old Plank Road/Andora Drive. The project enables more continuous traffic flow at this intersection. Additionally, the project improves access to the County's Chancellor Community Center and will be aligned to accept future development at this location.
Transportation Alternatives Program (TAP)	\$600,000	The Transportation Alternatives Program (TAP) is part of the Federal-aid highway program which allows a maximum 80% federal reimbursement of eligible project costs and requires a minimum 20% local match contribution. The program is intended to help fund local projects that focus on providing pedestrian and bike facilities to expand non-motorized travel choices and to include Safe Routes to School sidewalk and trail projects. This funding would be used as Spotsylvania's local match for the grant program. Currently contemplated TAP projects include a shared-use path along the existing Germanna Point Drive, a shared-use path along a portion of Harrison Road, sidewalks on the northeast side of Chancellor Park Drive, and connection of multiple pieces of sidewalks on Spotsylvania Parkway/Leavells Road.

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Rural Road Safety Improvements	<u>\$8,000,000</u>	This project would address safety and operational concerns on the County's rural roads. Funding could be used for intersection safety improvements such as improving what is currently limited site distance at Brock Road/Piney Branch, Rt. 3/Orange Plank, and Belmont/Days Bridge roads. Funding could also be used to address residents' concerns of limited/no shoulders as a complement to VDOT's paving projects, and paving of currently unpaved public roads. This funding cannot be used for paving of private roads.
	\$101,742,509	
Gross Potential Tax Rate Impact	\$0.05	
Net Potential Tax Rate Impact	\$0.04	

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Public Safety Project Justifications:

Project	Estimated Cost	Justification
Fire Training & Logistics Center	\$3,134,540	This project will provide fire training facilities for Fire, Rescue & Emergency Management personnel and will ensure a reliable facility for various required apparatus and equipment testing. The project is anticipated to include the construction of an approximately 8,500 square foot training facility to include two classrooms for 30 people each, two breakout rooms, a kitchen, bunkroom, showers, locker rooms, restrooms, SCBA compressor, ice machine, security system, fiber connection, and office space. It has been recommended that an additional 3 bay, 5,000 sq. ft. space and a 5,000 sq. ft. logistics center be constructed with the project. Colocation of the logistics center and classroom facility will allow for efficient use of dual use equipment and infrastructure.
Replacement of Company 3 - Partlow	\$2,500,000	This project will construct a new fire/rescue station in the area of Partlow/Wallers roads to replace the aging Company 3 building. In the 1980s, the Spotsylvania Volunteer Fire Department (SVFD) purchased a metal building to house apparatus and other fire/rescue equipment. This metal structure has now reached the end of its useful life and a 15,000 square foot replacement station is planned. This project is supported by SVFD.
New Fire/Rescue (12) - Massaponax	\$6,590,000	This project will construct a new fire station in the area of Massaponax Church Road and Rt. 1. With the threshold of 2,500 total calls per station identified as a benchmark in the County's Comprehensive Plan, the stations that surround the proposed new station (Co. 12) are already at or approaching maximum call volume. As the call volume increases, the reliability of units from those stations to respond decreases, while they are committed to other calls for service throughout the County. The addition of a new Co. 12 station would provide relief to the surrounding districts, provide some stability and reliability measures for the area as future developments are built, and would provide a more rapid response of resources to multi-company incidents.
Fire Equipment Replacements	\$14,673,772	The County currently operates 11 fire and/or rescue stations throughout the County. Fire trucks and ambulances are kept at the stations to be available when calls for service are dispatched. Each year, a number of ambulances and fire trucks are replaced due to mileage on existing equipment and expected life cycles. Typically, three ambulances and two fire trucks are replaced each year throughout the County. Ambulances tend to have a lifespan of 7 years, while fire trucks tend to run for about 12 years before being replaced.
EMS Equipment Replacements	<u>\$5,264,162</u>	
	\$32,162,474	
Gross Potential Tax Rate Impact	\$0.02	
Net Potential Tax Rate Impact	<\$0.01	

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Parks & Recreation Project Justifications:

Project	Estimated Cost	Justification
Competition pool and fitness/ wellness center	<u>\$58,000,000</u>	This project would construct an indoor swimming facility with Olympic-size competition pool, warm-up/therapy pool, and fitness/wellness amenities. The primary 8-lane pool would be 50 meters x 25 yards with a depth of 6'7" to 13'0" to allow for diving. A secondary warmup/therapy pool would be 25-yards. Other components of the 75,000 - 80,000 sq. ft. facility would be fitness spaces, locker rooms, food & beverage areas, storage, circulation and back of the house areas. The facility would be on 6 to 8 acres with a minimum of 300 parking spaces. Various local and regional swimming programs have noted difficulties in reserving times at the one 50-meter competition pool in the area and in attracting larger invitational meets. Results of a market study suggest that strong unmet demand exists among local and non-local segments for a new competition pool facility in the Fredericksburg/Spotsylvania area. Upon stabilization, a new pool is estimated to annually accommodate 114,000 participants with a total annual attendance (swimmers/coaches/spectators) of approximately 193,100, 57% of which would be locals.
	\$58,000,000	
Gross Potential Tax Rate Impact	\$0.03	
Net Potential Tax Rate Impact	\$0.03	