CHAPTER 7 – FINANCIAL PLAN

This Constrained Long-Range Plan (CLRP) serves as the blueprint for transportation infrastructure investments in the FAMPO Region for the next 28 years. The plan is developed in accordance with 23 CFR Part 450.324(11). Federal conformity mandates that transportation plans be fiscally constrained, consistent with the U.S. Department of Transportation's (USDOT's) Metropolitan Planning Regulations (23 CFR Part 450) and the Environmental Protection Agency's (EPA) Conformity Regulations (40 CFR § 93.108).

The CLRP addresses federal requirements that funding sources be identified for all projects included in constrained long-range plans. This CLRP, which is required to be updated at least every five years, includes only those projects and strategies that can be implemented over the planning period with funds that are "reasonably expected to be available."

Since there is not adequate funding to cover all needed transportation improvements, this selection process was used to build upon the 2045 CLRP based on additional projected revenues to determine which projects would be included in the CLRP, which serves as an implementation tool for policy and decision makers.

7.1 CONSTRAINED FUNDING SCENARIO

The constrained funding scenario assumed all existing projects in the current FAMPO FY2021-2024 Transportation Improvement Program (TIP) and the current Virginia Department of Transportation (VDOT) and Department of Rail and Public Transportation (DRPT) SYIPs for FY2022-2027. Additionally, forecasted revenues from VDOT, DRPT, transit providers, and localities for the 2022 to 2050 timeframe were assumed.

Section 7.2 describes and visualizes committed projects in the region through FY2027. Committed projects are funded and serve as the foundation for the CLRP. For the purposes of demonstrating fiscal constraint, actual project funding and costs for committed projects were utilized rather than revenue projections since these projects are fully funded.

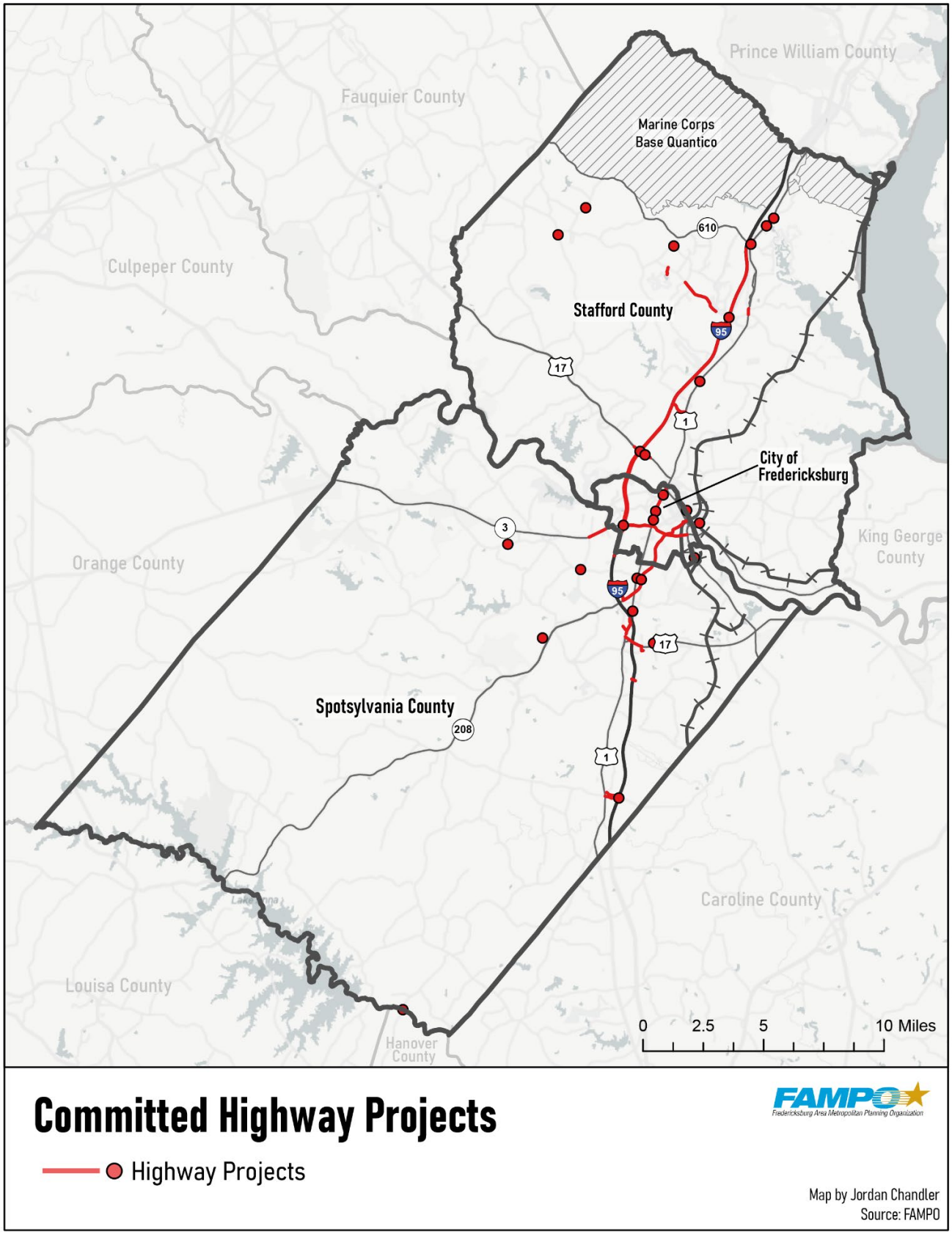
Section 7.3 details the forecasted revenues that were cooperatively developed between staff and planning partners via the FAMPO Technical Advisory Committee (TAC). Revenue forecasts from the various sources were categorized into "buckets" to demonstrate the amount of projected revenue available by mode for each funding band of the CLRP. Some revenues were included in the CLRP solely to align with the FY2021-2024 TIP (such as those for small capital projects for human services providers) or to show a revenue/expenditure balance (such as those for transit operations in the Region). Most funding sources, however, were placed into buckets – by mode –and used as budgets for 2045 CLRP projects and new 2050 candidate projects.

Section 7.4 describes the process by which new 2050 candidate projects were evaluated, reviewed, and approved for inclusion in the CLRP. Finally, Sections 7.5-7.7 include maps and table summaries of all CLRP projects by mode or type.

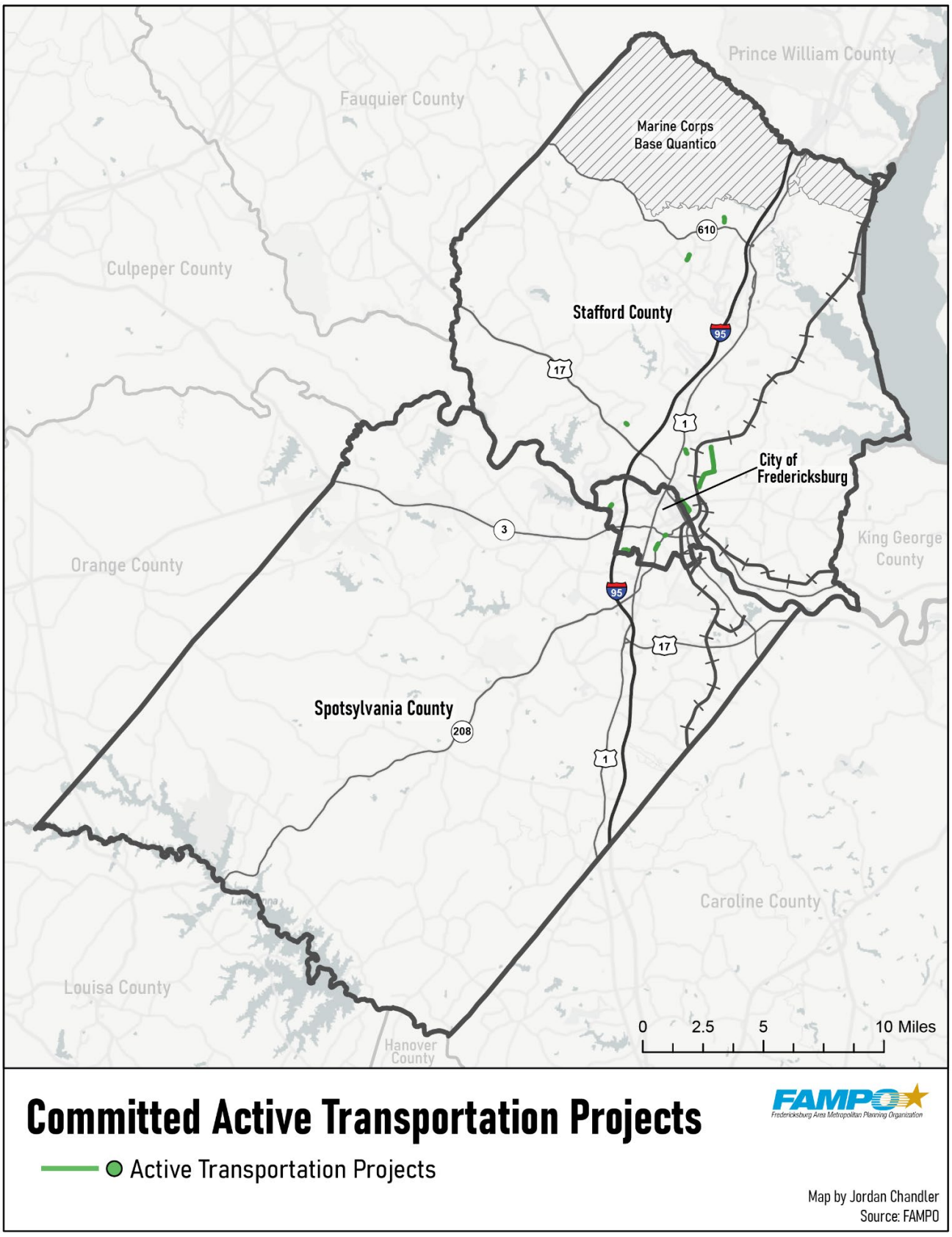
7.2 COMMITTED PROJECTS

Committed projects are those which are fully funded in the existing VDOT and DRPT SYIPs or which have recently been fully funded through other sources such as federal grants or the Virginia Office of Public-Private Partnerships. Map 7.1 through Map 7.3 illustrate the committed projects in the Region by mode.

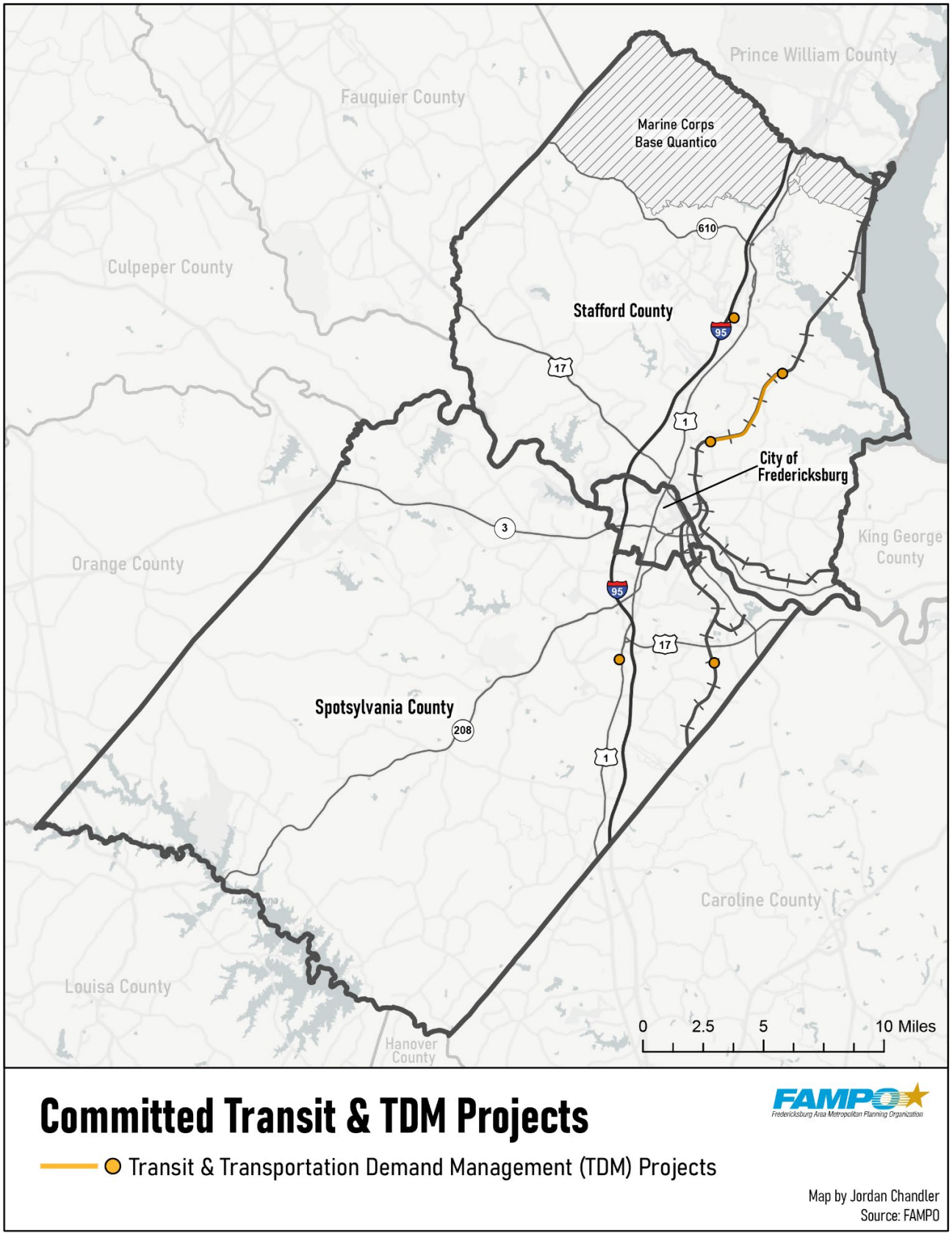
Map 7.1: Committed Projects – Roadway



Map 7.2: Committed Projects – Active Transportation



Map 7.3: Committed Projects – Transit/TDM



7.2.1 SMART SCALE FUNDED PROJECTS

VDOT's SMART SCALE[1] Program is the state system for funding transportation projects. Governor Terry McAuliffe signed HB2 into law in 2014, which directs the Commonwealth Transportation Board (CTB) to develop and use a scoring process for project selection. Projects are scored based on an objective and fair analysis applied statewide according to these key factors: safety, congestion mitigation, accessibility, environmental quality, economic development, land use and transportation coordination.

Within the FAMPO Region, 33 projects were selected for funding in the first four rounds of SMART SCALE. These are briefly described below, and their locations are shown in Map 7.4.

Projects funded in Round 1 (FY17):

U.S. 1 Safety Improvements at Telegraph Road:

Realign the intersection of U.S.1 and Rte. 639 (Woodstock Road) for greater safety and improve the Rte. 637 approach to the intersection.

Commuter Lot Expansion at Exit 140:

Expand the programmed 545-space lot (UPC 13558) by an additional 500 spaces in two lots at I-95 Exit 140. Bike racks will be added to both lots.

U.S. 1/Courthouse Road Area Improvements:

Construct dedicated left turn lanes on U.S. 1 at the Courthouse Road, Bells Hill Road and Hope Road intersections. This project also includes sidewalks, crosswalks and pedestrian signals.

U.S. 1 Turn Lane at Potomac Creek Drive:

Widen U.S. 1 SB to add a left turn at Potomac Creek Drive (Route 761); includes restriping and mill and overlayment

I-95 Southbound Rappahannock River Crossing:

Construct two SB collector-distributor lanes along I-95 between Exits 133 and 130. It will also reconstruct the Exit 133 and Exit 130 SB interchange ramps and replace the structurally deficient bridge on I-95 at Exit 133.

VCR Trail Bridge:

Extend the VCR Trail by constructing a bicycle/pedestrian bridge across a branch of North Hazel Run. The bridge will connect the existing VCR Trail to an additional mile of unpaved trail.

New Commuter Parking Lot at Commonwealth Drive:

Construct an approximately 715-space commuter parking lot at Commonwealth Drive and U.S. 1, with improvements to the intersection of U.S. 1 and Commonwealth Drive.

U.S. 17 Bridge Replacement and Widening:

[1] https://www.smartscale.org/hb2_process/default.asp Smart Scale, Funding the Right Transportation Projects in Virginia

Widen U.S. 17 (Mills Drive) from 2 to 4 lanes between U.S. 1 and Hospital Drive, including replacing and widening the bridge over I-95. It will also add a sidewalk and shared use path adjacent to the roadway.

Mudd Tavern Road Widening:

Widen Mudd Tavern Road (Route 606) to 4 lanes divided between U.S. 1 and I-95. It includes sidewalks and a roundabout to accommodate left and U turns.

Projects funded in Round 2 (FY18):

Brooke and Leeland Road VRE Station Improvements:

Lengthen the existing platforms, construct second platforms, construct a pedestrian bridge between the two platforms, and improve bicycle and pedestrian access at Brooke and Leeland Road VRE Stations.

Twin Lake-Kensington Bicycle and Pedestrian Connector:

Extend the planned Lafayette Boulevard shared-use path to Twin Lake Drive and provide a connection to the VCR Trail from Springwood Drive.

Lafayette Boulevard and Harrison Road Intersection Improvements:

Lengthen an existing right turn lane on Lafayette Boulevard from its current location to Lee Street. It will also include the construction of a sidewalk.

Courthouse Road (Route 208) and Hood Drive Intersection Improvements:

Provide additional lanes on Hood Drive at the intersection with Courthouse Road to improve the flow of traffic. This project also provides bicycle and pedestrian connectivity.

I-95 Exit 126 U.S. 1 Southbound to Southpoint Parkway:

Widen the Exit 126 SB off-ramp and SB U.S. 1 (between the I-95 SB off-ramp and Southpoint Parkway). This project will also provide safety improvements on Southpoint Parkway.

Projects funded in Round 3 (FY20):

FRED Transit Shelters and Benches:

Construct/install transit shelters and benches at various locations.

Lafayette Boulevard/Kenmore Avenue/Charles Street Roundabouts:

Construct roundabouts from Kenmore Avenue to Charles Street.

Dixon Street/Lansdowne Road Intersection Improvements:

Improve the intersection of Route 2 (Dixon Street) and Route 638 (Lansdowne Road).

Route 3 STARS Study and I-95 Off-Ramp Improvements:

Gateway Boulevard to Dixon Street.

US U.S. 1/Fall Hill Avenue Intersection Improvements:

Improve the intersection at US U.S. 1 (Patriot Highway) and Fall Hill Avenue.

Stefaniga Road/Mountain View Road Intersection Improvements:

Improve intersections – Stefangia Road to Lightfoot Drive.

Harrison Road and Salem Church Road Intersection Improvements:

From Harrison Road to Salem Church Road.

US U.S. 1/Enon Road Intersection and Roadway Improvements:

Widen to add center turn lane with turn lane improvements at US U.S. 1 (Richmond Highway) to Beauregard Drive.

Projects funded in Round 4 (FY22):

Shelton Shop Road Improvements:

Road widening and safety improvements.

Lafayette Boulevard Multimodal Improvements:

Sidewalks, bus stops, and improvements to the Route 208 Park N' Ride Lot.

Idlewild Boulevard to VCR Trail Connector:

Ten-foot-wide multiuse trail on west side of US-1.

US-17 Business STARS Study Improvements:

Minor road widening, access management, and transit improvements including new signal and sidewalks.

Rt 2 & 17 Widening from City Line to Shannon Airport Area:

Widen to four lanes with ten-foot-wide shared use path on east side of roadway.

Route 208 Operational and Multimodal Improvements:

Operational improvements between Hood Drive and Woodland Drive, triple left turn lanes on Southpoint Parkway at Route 208, and improvements to the Route 208 Park N' Ride Lot.

I-95 Exit 126 STARS Study Improvements:

Operational and safety improvements including widening of US-1 to six lanes between the I-95 ramps.

U.S. U.S. 1 STARS - Augustine Avenue Intersection:

Turn lane improvements, access management improvements, and new sidewalks.

U.S. 1/208 Area Multimodal and Revitalization Improvements:

Intersection safety and capacity improvements at U.S. 1 and 208/Lafayette Boulevard.

U.S. U.S. 1 STARS – U.S. 1, Route 3 off-ramp, Spotsylvania Avenue Interchange Improvements:

Convert free-flow westbound Route 3 off-ramp to signalized triple right; signalize northbound US U.S. 1 Bypass approach at off-ramp; add auxiliary through lane northbound, to become left turn lane at Cowan Blvd, add northbound right turn lane at Spotsylvania Avenue. Add a right-turn-lane on the eastbound approach of Cowan Blvd (provide double-RTLs).

Onville Road Improvements

Construct a two-way left-turn lane down the center of Onville Road (Route 641), new turn lanes at the intersection with Barrett Heights Road/Garrison Woods Drive, and 5-foot sidewalks along both sides of the roadway.

Future SMART SCALE Funding

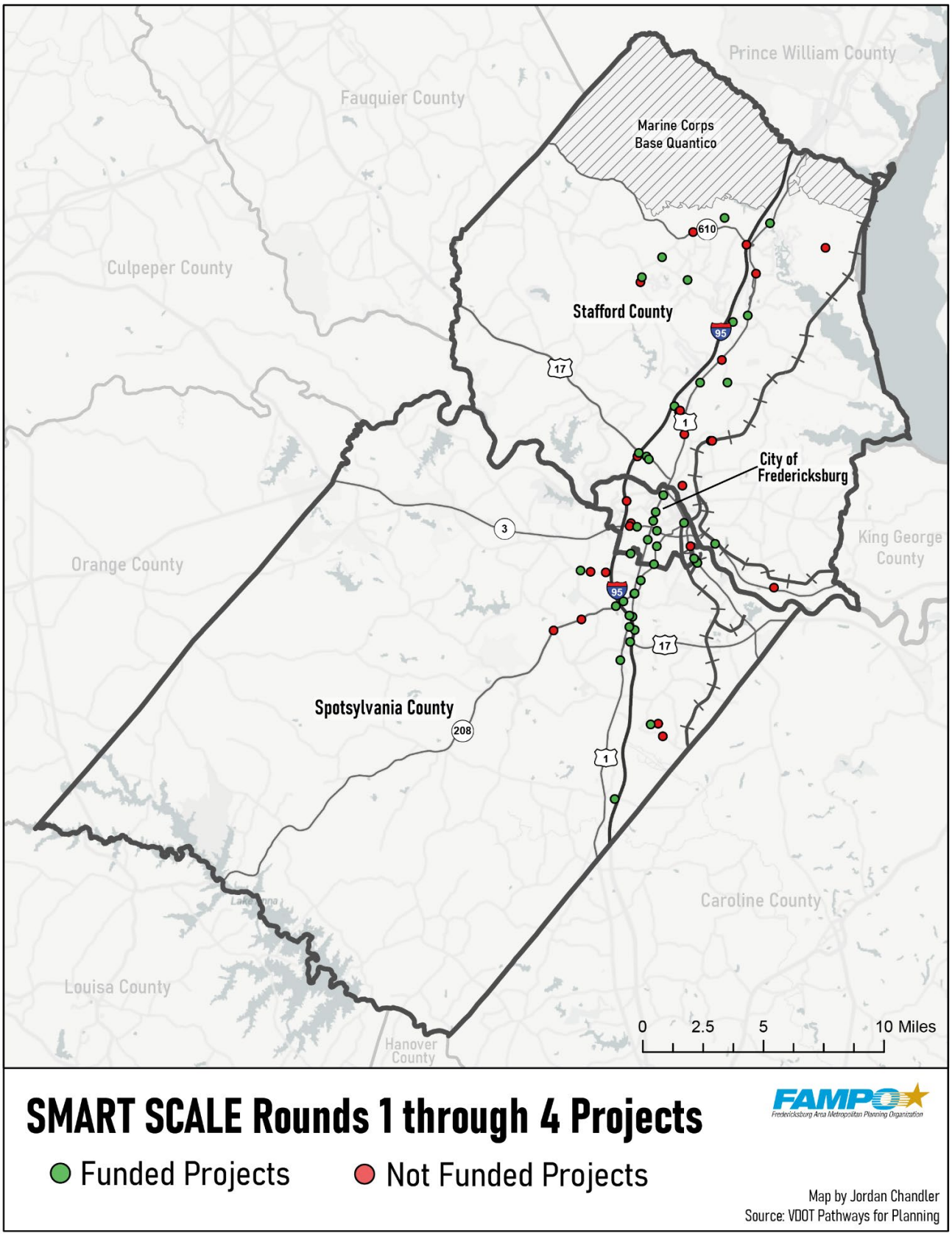
The Commonwealth has moved most discretionary state transportation funding into the SMART SCALE program. The amount of funding an area receives per cycle is uncertain and can vary widely depending on how projects score. In SMART SCALE Round 1, the FAMPO Region did very well as 11 of 13 projects were selected, totaling $195 million. In SMART SCALE Round 2, the Region did not do nearly as well as only five out of 14 projects were selected, totaling $42 million. Round 3 saw nine out of 21 projects receive funding, totaling $41 million. In Round 4, 11 out of 19 projects received funding, totaling $113 million.

Despite the variance from one cycle to the next, MPOs in Virginia are required to use revenue projections for the District Grant Program and High Priority Projects Program provided by the Commonwealth. The following from the VDOT Budget and Funds Management Division summarizes the methodology for determining MPO revenue projections for both programs:

- **District Grant Program** funding is distributed to VDOT districts based on the codified formulas. For the CLRP distribution, the distribution through FY 2025 is as the SMART SCALE Distribution provided with the adoption of the SYIP in December 2020. Beyond FY 2026, the distribution to the MPOs within the district is determined based on population shares within the district.
- **High-Priority Projects Program** funding is available to projects as selected by the Commonwealth Transportation Board (CTB). For the CLRP distribution, the distribution through FY 2025 is as the SMART SCALE Distribution provided with the adoption of the SYIP in December 2020. Beyond 2025, the distribution follows that of the District Grant Program as has been assumed. The distribution to the MPOs within the district is determined based on the population share within the district.

The two-year average between both programs for fiscal years 2028 to 2050 provided by the Commonwealth for the FAMPO Region is $54 million. It is expected, given the actual average of just over $93 million for Rounds 1 through 4, that future SMART SCALE funding for the Region will exceed Commonwealth projects provided to FAMPO in FY21.

Map 7.4: SMART SCALE Funded Projects



7.3 FORECASTED REVENUES

Revenue forecasting is the basis for the CLRP and is required under federal MPO guidelines. The revenues to construct, operate, and maintain the Region's transportation system come primarily from federal, state and local governments. VDOT and DRPT provide the revenue projections for state and federal revenues under their respective jurisdictions, while local revenue projections were provided by FAMPO member jurisdictions. Summaries of these reported revenue projections can be found in Table 7.1.

Table 7.1: Federal, State, and Local Projected Revenues 2022-2050 (millions)

Source	2022-2027	2028-2038	2039-2050
VDOT	$688.8	$1,491.5	$2,122.0
Administrative	$33.8	$74.2	$101.6
Maintenance-Localities	$14.7	$32.5	$44.3
Maintenance-VDOT	$420.4	$939.7	$1,275.7
Other Discretionary Construction	$12.6	-	-
District Grant Program	$62.0	$145.8	$216.2
State of Good Repair	$37.6	$145.1	$244.1
High Priority Projects	$81.1	$96.8	$162.7
Transportation Alternatives Program	$0.6	$1.2	$1.6
RSTP	$8.5	$18.2	$24.5
RSTP Match	$2.1	$4.6	$6.1
CMAQ	$12.3	$26.7	$36.2
CMAQ Match	$3.1	$6.7	$9.0
District/Statewide PE/Studies	$36.9	-	-
Project Pipeline Studies[2]	-	-	-
DRPT & Transit Providers	$217.5	$208.7	$243.6
FREDericksburg Regional Transit	$28.7	$53.6	$59.9
State Operating to FRED	$4.9	$9.8	$12.2
State Capital to FRED	$3.7	$6.8	$7.5
FRED 5307 Operating	$14.5	$26.7	$29.1
FRED 5307 Capital	$1.1	$1.9	$2.1
FRED 5310 and Match	$3.0	$5.6	$6.1
FRED 5311	$1.5	$2.8	$3.0
VRE	$49.1	$102.3	$126.1
Capital Projects in FAMPO	$20.1	$28.2	$0.0
FAMPO Jurisdictional Subsidy	$29.0	$74.1	$126.1

[2] https://vaprojectpipeline.org/studies/fredericksburg/default.asp VDOT's Project Pipeline, Planning for Performance studies for the Fredericksburg District. Project Pipeline is a performance-based planning program to identify cost-effective solutions to multimodal transportation needs in Virginia. These studies are managed by VDOT, and funds cannot be reasonably assumed for future years.

Source	2022-2027	2028-2038	2039-2050
Commonwealth Rail Fund	$107.6	-	-
Vanpool Alliance 5307	$8.8	$16.1	$17.5
I-95/395 Commuter Choice	$15.0	$30.4	$33.2
GWRideConnect	$3.4	$6.3	$6.9
Healthy Generations	$4.6	-	-
Rappahannock Area Community Services Board (RACSB)	$0.3	-	-
Local	$210.7	$299.1	$305.1
Stafford County	$95.7	$138.5	$129.9
Spotsylvania County	$94.2	$120.3	$127.6
City of Fredericksburg	$20.8	$40.3	$47.6
Total	**$1,153.9**	**$1,999.3**	**$2,670.7**

7.3.1 VDOT

The primary source of highway capital and maintenance as well as active transportation funding in the region comes from VDOT. For long-range planning purposes, VDOT provides MPOs with revenue projections that are broken down as illustrated below in Table 7.2.

Table 7.2: VDOT Projected Revenues 2022-2050 (millions)

Source	2022-2027	2028-2038	2039-2050
VDOT	$688.8	$1,491.5	$2,122.0
Administrative	$33.8	$74.2	$101.6
Maintenance-Localities	$14.7	$32.5	$44.3
Maintenance-VDOT	$420.4	$939.7	$1,275.7
District / Statewide PE / Studies	$36.9	-	-
Project Pipeline Studies[3]	-	-	-
Other Discretionary Construction	$12.6	-	-
District Grant Program	$62.0	$145.8	$216.2
State of Good Repair	$37.6	$145.1	$244.1
High Priority Projects	$81.1	$96.8	$162.7
Transportation Alternatives Program	$0.6	$1.2	$1.6
RSTP	$8.5	$18.2	$24.5
RSTP Match	$2.1	$4.6	$6.1

[3] https://vaprojectpipeline.org/studies/fredericksburg/default.asp VDOT's Project Pipeline, Planning for Performance studies for the Fredericksburg District. Project Pipeline is a performance-based planning program to identify cost-effective solutions to multimodal transportation needs in Virginia. These studies are managed by VDOT, and funds cannot be reasonably assumed for future years.

Source	2022-2027	2028-2038	2039-2050
CMAQ	$12.3	$26.7	$36.2
CMAQ Match	$3.1	$6.7	$9.0

For a full summary of VDOT's methodology in developing revenue projections, please refer to Appendix E.

7.3.2 DRPT AND TRANSIT PROVIDERS

In the FAMPO Region, funding for transportation operating and capital expenses is provided through a variety of funding streams and programs, including federal, state, and local sources. This section presents projections of the amount of funding that will be available through 2050.

While future funding levels are always speculative, DRPT has directed MPOs to assume that future federal funding levels will remain at roughly today's levels.

Table 7.3: DRPT and Transit Providers Revenue Projections (2022-2050)

Source	2022-2027	2028-2038	2039-2050
DRPT & Transit Providers	$217.5	$208.7	$243.6
FREDericksburg Regional Transit (FRED)	$28.7	$53.6	$59.9
State Operating to FRED	$4.9	$9.8	$12.2
State Capital to FRED	$3.7	$6.8	$7.5
FRED 5307 Operating	$14.5	$26.7	$29.1
FRED 5307 Capital	$1.1	$1.9	$2.1
FRED 5310 and Match	$3.0	$5.6	$6.1
FRED 5311	$1.5	$2.8	$3.0
VRE	$49.1	$102.3	$126.1
Capital Projects in FAMPO	$20.1	$28.2	-
FAMPO Jurisdictional Subsidy	$29.0	$74.1	$126.1
Commonwealth Rail Fund	$107.6	-	-
Vanpool Alliance 5307	$8.8	$16.1	$17.5
I-95/395 Commuter Choice	$15.0	$30.4	$33.2
GWRideConnect	$3.4	$6.3	$6.9
Healthy Generations	$4.6	-	-
RACSB	$0.3	-	-

FREDericksburg Regional Transit

Funding available for FREDericksburg Regional Transit (FRED) operating and capital expenses, from 2022 to 2050, are shown in Table 7.3 above. Operating funding for FRED services is largely drawn from four sources:

- Federal Transit Administration (FTA) Section 5307 (Urbanized Area Formula Program)
- State Operating Assistance
- Local Funds, including a 2.1% Motor Vehicle Fuel Tax

- Operating Revenues (fares)

Due to projected regional population growth, it is likely that there will be a change in the eligible uses of Section 5307 funds in the lifetime of this LRTP. For small urbanized areas under a population of 200,000 – as is currently the case in the FAMPO Region – available funds are apportioned based on a combination of population and population density and are administered and allocated by the State (in Virginia, by DRPT). In small urbanized areas, Section 5307 funds can be used for operating expenses or capital expenses. Urban areas exceeding a threshold of 200,000 residents, as recorded during a decennial Census, receive federal funding through different streams.

As of the 2010 Census, the Fredericksburg urbanized area had a population of fewer than 200,000 residents. In 2021, the US Bureau of the Census published in the Federal Register a proposal to change the methodology in which urbanized areas are determined. Many MPOs, including FAMPO, submitted comments to the Census Bureau requesting to keep the existing methodology by which urbanized areas are established. Depending on whether the criteria are changed – and resulting FHWA/FTA action – the Region's urbanized (urban, under the proposed criteria changes) area may become a medium-sized urbanized area for funding transit formula funding apportionment purposes. In this case, Section 5307 funds will be apportioned using a formula that considers the types of services provided (i.e. fixed-guideway and bus), the magnitude of service provided (i.e. revenue miles), the utilization of the service provided (i.e. passenger miles), and demographic statistics (i.e. population and population density). As a result, the amount of service provided within the Region will become a major determinant in how much Section 5307 funding will be available.

FAMPO and GWRC are working with Potomac and Rappahannock Transportation Commission (PRTC), Northern Virginia Transportation Commission (NVTC), and DRPT to develop the Vanpool National Transit Database (NTD) Program. Through this program, vanpool operating statistics will be reported to FTA, which will increase Northern Virginia's formula allocations of FTA Section 5307 funds. George Washington Regional Commission (GWRC), PRTC and NVTC began receiving additional funds from this program in fiscal year 2015, and the GW Region (Planning District 16) will receive about 25% of net program revenue (with the split between GWRC, PRTC and NVTC based on vanpool miles in each area). New revenues in the Region are projected at just over $1.4 million annually through 2050. Some of these funds can be used to pay preventive maintenance costs for FRED, to help offset some of the decline from 100% for operations to 75% for operations following the potential reclassification of the FAMPO Region to a medium-sized urbanized area, and to fund new operations and capital costs for transit providers.

Virginia Railway Express (VRE)

The VRE is funded by its member communities – which include the City of Fredericksburg, Stafford County, and Spotsylvania County – based on the ridership in each jurisdiction. Member communities' financial contributions to VRE services cover a portion of total VRE costs, including both capital and operating expenses. VRE is also funded by additional sources, including state and federal sources, which cover the balance of VRE's overall operating and capital costs.

For fiscal year 2022 and beyond, the anticipated annual local subsidy contribution from FAMPO Region jurisdictions will be approximately $7.9 million. The total VRE operating costs are expected to increase over time based on VRE's latest approved budget.

Motor Vehicle Fuel Tax

PRTC levies a sales tax on motor vehicle fuel. The current rate is 2.1% and does not have a floor. At the time this plan was written, there was potential legislation in the Virginia General Assembly which could impact Motor Vehicle Fuel Tax revenues during the lifetime for this plan. This sales tax is collected by the Virginia Department of Taxation and is remitted to PRTC (after deducting administrative expenses) for the benefit of PRTC's member jurisdictions, which include the City of Fredericksburg, Spotsylvania County and Stafford County. These funds are used by PRTC to pay PRTC's administrative costs and to fund transportation projects for the member jurisdictions. Any funds collected from the sales tax must first be used to cover the member jurisdictions' respective obligations to fund VRE service. After each jurisdiction's local funding obligation is met, the jurisdiction may use excess revenues to fund other transportation projects, including both public transportation projects and roadway projects. For example, the City uses this funding source to pay for the operation of FRED, as well as miscellaneous transportation projects.

The revenues generated by the Motor Vehicle Fuel Tax are included in revenue projections for VRE, FRED and other projects as a component of "Local Funds" line items. PRTC projects that gasoline tax revenues will remain relatively level over the short-term. Aside from slight fluctuations in revenues between 2012 and 2018, Motor Vehicle Fuel Tax revenues are projected as shown in Table 7.4. Annually, the City of Fredericksburg is projected to receive approximately $1.7 million, Stafford County will receive $5.3 million, and Spotsylvania County will receive $3.5 million. This revenue allows all three jurisdictions to fully cover their VRE contributions.

Note, however, that the shift in sales tax collection from fuel retailers to fuel distributors has resulted in the unintended consequence of obscuring the jurisdiction that is entitled to the tax revenue benefit. This is because many fuel distributors are based outside of Virginia and are not as closely in touch with retailer locations, especially since many retailers use post office addresses. This may result in some jurisdictions receiving more tax revenue than due, while others receive less.

Table 7.4: Motor Vehicle Fuel Tax revenues (Average Annual 2012-2018, in $1,000)

	Total Proceeds	VRE Assessment	Difference (Available for other projects)
Fredericksburg	$1,737	$405	$1,332
Stafford County	$5,345	$2,412	$2,934
Spotsylvania County	$3,474	$1,154	$2,320

Commonwealth Rail Fund

DPRT requested FAMPO include in its CLRP the addition of what is known as the Potomac Creek Third Track South (Siding A) project under the Transforming Rail in Virginia initiative. This project will construct 3.9 miles of third track between Potomac Creek and the Dahlgren Junction area and is currently being managed by the newly established Virginia Passenger Rail Authority (VPRA). Funding for the project – totaling $107 million – comes from the Commonwealth Rail Fund which was established in 2020 to replace the Intercity Passenger Rail Operating and Capital and Rail Enhancement Funds. No revenues were assumed beyond the programmed funds for this project since the Commonwealth and VPRA are continuing to develop how the fund will be utilized over time.

Vanpool Alliance Section 5307 Funding

New FTA Section 5307 Urbanized Area Formula funds are now being generated through the Vanpool Alliance NTD Program. Through this program, GWRC/FAMPO, NVTC, PRTC, and DRPT will provide incentives to vanpools to track and report their operating statistics, which in turn, will be reported to the FTA. Because FTA allocates Section 5307 funding based on vehicle miles and passenger miles (as well as other factors), the tracking and reporting of this data will increase the amount of funding available in the FAMPO, PRTC, and NVTC regions.

I-395/95 Commuter Choice Funding

In 2017, a new partnership between the Commonwealth and NVTC was established known as the Commuter Choice program. The program, like SMART SCALE, operates on a biennial cycle and serves to corridors: I-66 and I-395/95. Within the FAMPO region, regional transit operators and jurisdictions within the PRTC footprint are eligible applicants. In Rounds 1 of the Commuter Choice program, two new bus routes were funded: one from the Staffordboro (northern Stafford County) to Downtown D.C. and another from Staffordboro to the Pentagon. Both projects were renewed for funding in Round 2 and two new projects in the FAMPO Region were also funded: expansion of the Commonwealth Drive commuter parking lot in Spotsylvania County and new bus service from the Route 208 commuter lot to the Fredericksburg VRE station. The average annual funding for these projects totaled $1.4 million and this figure was assumed to remain level for the lifetime of this plan.

GWRideConnect

GWRideConnect is funded by a combination of local matching funds, state grants, and CMAQ funds. Given the DRPT direction that funding streams will remain level over time, future projected GWRideConnect funding is also level. The FY22 GWRideConnect budget totaled $571,201; this figure was assumed for each year of the plan.

Human Services Providers

Two human services agencies – Healthy Generations Area Agency on Aging (HGAAA) and the Rappahannock Area Community Services Board (RACSB) – operate paratransit and other services in the FAMPO Region. Each agency receives FTA Section 5310 funding which is used for enhanced mobility of seniors and individuals with disabilities. Since these dollars are federal, they must be included in FAMPO's TIP and likewise its CLRP. Total funding for these agencies including match dollars is just over $4.8 million in the FY21-24 TIP window. No revenue projections were assumed beyond the TIP window timeframe.

7.3.3 LOCAL FUNDING

FAMPO staff worked with the local governments to develop each jurisdiction's expected local revenues that will be spent on transportation improvements. These revenues include funds from sources such as gas taxes, impact fees, proffers, service districts, revenue sharing and municipal bonds, all of which are based on current and historical revenues as well as local policies. Table 7.5 depicts the local revenues that are expected to be available from 2018-2045.

Table 7.5: Local Projected Revenues 2022-2050 (millions)

Source	2022-2027	2028-2038	2039-2050
Local	$210.7	$299.1	$305.1
Stafford County[4]	$95.7	$138.5	$129.9
Spotsylvania County	$94.2	$120.3	$127.6
City of Fredericksburg	$20.8	$40.3	$47.6

7.3.4 NEW REVENUE SOURCES

In 2009, the Virginia General Assembly created the George Washington Toll Road Authority (GWTRA) (HB 2099). The GWTRA has the power to construct and operate transportation infrastructure and services, both tolled and free. Currently, there are no active projects being pursued by the GTWRA; however, the public entity remains in place and could play an important role in the development of future transportation infrastructure and services.

Many regions in Virginia (Northern Virginia, Richmond, Hampton Roads, and others) have developed regional transportation authorities, or RTAs. These bodies are given taxing authority by the Commonwealth for the purpose of generating additional revenues for transportation projects. Regions in Virginia with RTAs have been rather successful in utilizing funds generated as leveraged funding in programs like SMART SCALE. In the 2021 General Assembly session, Delegate Josh Cole introduced legislation that would allow an RTA in Planning District 16. The bill did not make it out of committee, but it remains a possibility in the future that the FAMPO Region could have an RTA to help fund projects.

These potential sources are not included in the 2050 CLRP because they cannot be relied upon.

7.4 PROJECT PRIORITIZATION

To understand the long-term transportation needs of a region, carefully prepared and executed planning processes are undertaken. These processes compile existing and future transportation system and usage information, as well as other non-technical considerations and elements to identify the comprehensive set of transportation infrastructure, policy and service modifications that are necessary to accommodate existing and future travel demand by all modes of transportation. In any plan area, differing projects have differing costs and benefits (relative and absolute). In addition, for plans encompassing multiple jurisdictions, regional priorities may differ widely from local priorities.

Understanding that there are practical limitations to the implementation of transportation improvement projects, a regimented system for determining the relative value of all projects when compared to one another generally (all modes and project types together), and when compared to one another within specific groupings, is needed.

Provided the 2018 adoption of the 2045 LRTP and its subsequent amendments in both 2020 and 2021, the 2045 CLRP was used as a starting point for developing the 2050 CLRP rather than starting with a zero-based budget after consultation with FAMPO committees. FAMPO's newly adopted (May 2021) LRTP Project Prioritization

[4] Stafford County 2019 Transportation Road Bond Referendum projections impact first two funding bands.

Methodology was used to rank new candidate projects for consideration in the 2050 CLRP. This prioritization methodology is based on the collective experience of other Metropolitan Planning Organizations and localities, the ten FAST Act/MAP-21 planning factors and the FAMPO Mission Statement. A call for projects was held from May 21 to July 2 wherein FAMPO jurisdictions, state agencies, and transit providers were able to submit projects for consideration. New candidate projects were scored according to the methodology, vetted through the FAMPO TAC, and shared with the public for review and feedback. Ten public comments were received and shared with the FAMPO Policy Committee prior to adoption of the fiscally constrained project lists.

The complete LRTP Project Prioritization Methodology is contained in Appendix D.

7.5 CONSTRAINED HIGHWAY & ACTIVE TRANSPORTATION PROJECTS

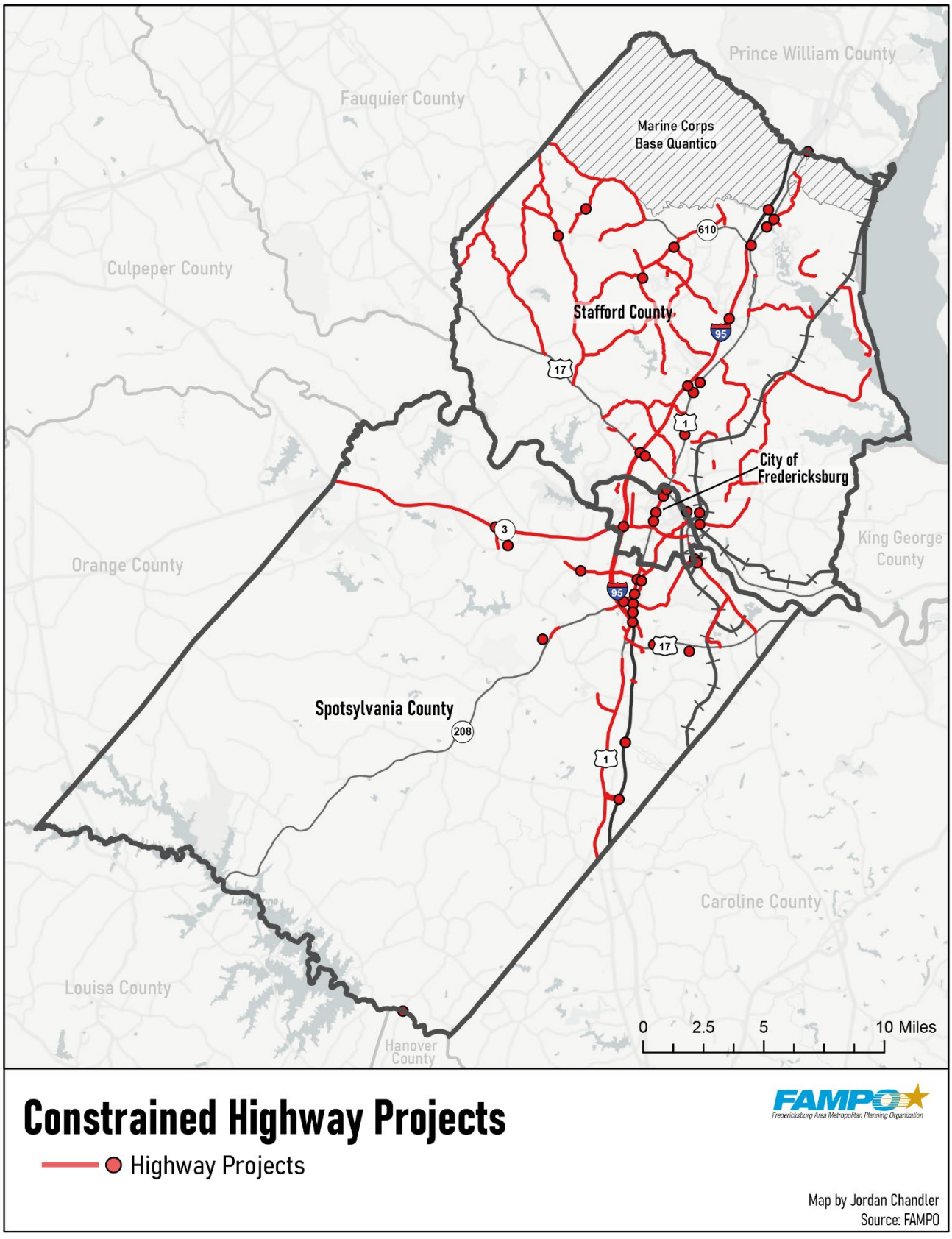
The FAMPO Region's transportation system will face many challenges going forward. Factors such as the growing list of transportation needs that are far greater than the available resources; the rapidly expanding population of the Region; and low-density, decentralized growth patterns, coupled with the lack of overall street connectivity; will all play important roles in the overall need and costs associated with maintaining and expanding the Region's transportation network to meet future demand.

The project list found in the next section begins to address known and projected needs to the regional highway network. As discussed in Chapter 4, through FAMPO's transportation and land use modeling, it was demonstrated that several of the Region's arterial and collector corridors will face immense challenges in the future if the build-out of local future land use plans comes to fruition. To adequately address all existing and projected transportation needs in these corridors and the FAMPO Region as a whole, two factors must be addressed: 1) local governments should continue to explore and implement alternative growth patterns to assist in minimizing costly roadway expansion needs and maximizing the availability of viable, economical public transportation; and 2) the Region needs to continue to work with state, federal and local partners to develop new streams of revenue for transportation infrastructure and services. While the development of the GWTRA, the Vanpool NTD Program, and a potential RTA could begin to address the seemingly insurmountable gap between the Region's transportation needs and available resources, they are only the beginning of the strategies and partnerships needed to address the documented transportation needs.

Constrained Highway-Active Transportation Project List

The 2050 FAMPO Constrained Highway/Active Transportation Project List contains 216 projects which increase roadway capacity, replace/expand aging bridges, enhance safety and operations, improve intersections, increase commuter parking options and improve the active transportation network. These 216 projects are made up of 115 that were included in the 2045 CLRP, 19 that were added to align with the VDOT SYIP, and 82 that were selected out of a list of 132 new candidate projects. Table 7.6 lists the projects contained in the Constrained Highway/Active Transportation Project List. Refer to Map 7.5 and Map 7.6 for the locations of these projects.

Map 7.5: 2050 Constrained Highway Projects



Map 7.6: 2050 Constrained Active Transportation Projects

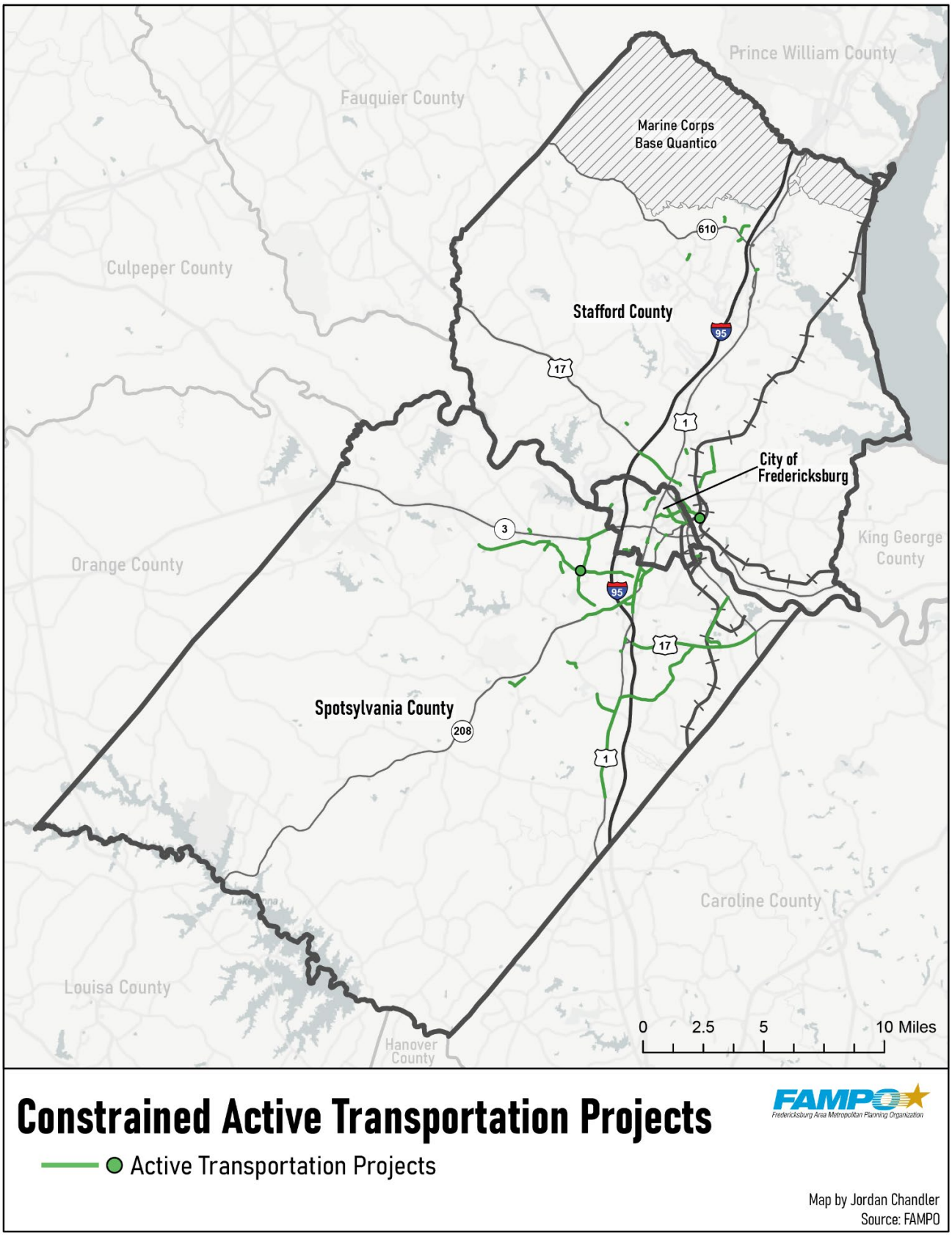


Table 7.6: 2050 Constrained Highway and Active Transportation Projects

See next page.

FAMPO 2050 Fiscally Constrained Highway/Active Transportation Project List

Jurisdiction	Project	Route Number	Boundaries		UPC #	Contained in 2045 CLRP	Regionally Significant	Contained in TIP	Committed Project	Year of Expenditure (YOE)	Improvements Description	Cost Estimate (2021)	Cost To Complete (YOE)
			From	To									
Interstate Projects													
Multi-Jurisdictional	95 Express Lanes Fredericksburg Extension	I-95	South of Garrisonville Rd	US-17	110527, 114620, 116369	X	X	X	X	FY22-27	Extend express lane to US 17 interchange (Exit 133)	$ 528,200,000	$ -
Multi-Jurisdictional	#HB2.FY17 - I-95 SB Rappahannock River Crossing	I-95	1.29 Miles South of Exit 130	0.31 Miles North of Truslow Rd	101595 & 110595	X	X	X	X	FY22-27	Construct 3 CD lanes and widen SB US 17 to SB I-95 on-ramp	$ 129,464,000	$ -
Multi-Jurisdictional	I-95 NB Rappahannock River Crossing	I-95	South of Exit 130	Exit 136	105510 & 113936	X	X	X	X	FY22-27	Construct 3 CD lanes from Exit 130 to Exit 133, construct a 4th auxiliary lane from Exit 133 to Exit 136, and improve Exit 133 interchange	$ 132,000,000	$ -
Multi-Jurisdictional	I-95 Widening	I-95	Exit 126	Exit 130		X	X			FY28-38	Widen northbound and southbound I-95 from 3 to 4 lanes; reconstruct Harrison Rd Bridge; construct tunnel for VCR trail	$ 90,000,000	$ 114,120,000
Multi-Jurisdictional	I-95 Corridor ITS/Operational Improvements	I-95				X	X			FY28-38	Improved ITS and operations on I-95 and arterials	$ 10,000,000	$ 12,680,000
Stafford County	I-95 Exit 140 Interchange Relocation and Widening	I-95			13558	X	X	X	X	FY22-27	New diverging diamond interchange and widening of Courthouse Rd	$ 149,258,000	$ -
Stafford County	I-95 SB At Route 17 - FRED EX Connection	I-95	Exit 133	Exit 133	112046	X	X	X	X	FY22-27	Rehabilitate Bridge	$ 4,000,000	$ -
Stafford County	I-95 Exit 133 Interchange Improvements	I-95				X	X			FY28-38	Capacity and operational Improvements at various ramps	$ 25,000,000	$ 31,700,000
City of Fredericksburg	I-95 Safety Improvements at Rte-3	I-95			107715	X	X	X	X	FY22-27	Safety Improvements	$ 23,000,000	$ -
City of Fredericksburg	NB I-95 to EB Rte-3 ramp realignment	I-95				X	X			FY28-38	Shift I-95 off ramp to the west to allow more space for merging onto eastbound Rte-3	$ 5,860,000	$ 7,430,480
Spotsylvania County	#SMART22 - I-95 Exit 126 STARS Study Improvements	I-95	Exit 126	Exit 126	119112	X	X			FY22-27	Widen US-1 to 6 lanes, add second NB US 1 left turn lane onto NB I-95, I-95 NB on-ramp widening and dual aux merge lanes	$ 22,434,592	$ 11,599,592
Spotsylvania County	I-95 Exit 118 Interchange Improvements	I-95			100829 & 105463	X	X	X	X	FY22-27	Reconstruct interchange with added capacity	$ 24,066,000	$ -
Spotsylvania County	I-95 Exit 126 Interchange Improvements	I-95				X	X			FY28-38	Capacity and operational Improvements at various ramps	$ 62,000,000	$ 78,616,000
Spotsylvania County	New I-95 Interchange at Harrison Road	I-95	1 mi north of Harrison Rd	1 mi south of Harrison Rd			X			FY39-50	Construct full movement interchange with I-95	$ 60,000,000	$ 94,620,000
											Interstate Projects Total	$ 1,265,282,592	$ 350,766,072
Other Principal Arterial Projects													
Multi-Jurisdictional	US Rte 1 Corridor Study (VTrans Pipeline Study)	US-1	Idlewild Blvd	Lafayette Blvd			X			FY39-50	Multimodal improvements along US-1 between including intersection safety and capacity improvements, traffic operations, and bicycle/pedestrian and transit accommodations	$ 15,000,000	$ 23,655,000
Multi-Jurisdictional	Rte 3 Corridor Study Improvements (VTrans Pipeline Study)	Route 3	Gordon Rd	I-95 (West Ramp)			X			FY39-50	Traffic operations and safety improvements along Rte 3 from I-95 (West Ramps) to Gordon Road with bicycle/pedestrian and transit improvements	$ 15,000,000	$ 23,655,000
Stafford County	#HB2 FY17 - Safety Improvements at US 1 and Woodstock Ln and Telegraph Rd	US-1			109467	X	X	X	X	FY22-27	Safety and turn lane Improvements	$ 9,807,000	$ -
Stafford County	Turn Lane Improvements at US 1 and Potomac Creek Dr	US-1			111753	X	X	X	X	FY22-27	Construct left turn lane for SB US 1	$ 2,017,000	$ -
Stafford County	#HB2 FY17 - Stafford US 1 Courthouse Area Improvements	US-1	Hope Rd	Courthouse Rd	103085	X	X	X	X	FY22-27	Turn lane Improvements with bike/ped accommodations	$ 19,940,000	$ -
Stafford County	Ferry Road (Rte 606) and Route 3 Intersection Improvements	Route 3			103084	X	X		X	FY22-27	Turn lane Improvements with bike/ped accommodations	$ 5,567,000	$ -
Stafford County	Turn Lane Addition - Route 1 South at Garrisonville Rd	US-1	Garrisonville Rd	0.17 mi north of Garrisonville Rd	103082	X	X		X	FY22-27	Construct additional right turn lane for Rte 1 SB	$ 1,416,000	$ -

FAMPO 2050 Fiscally Constrained Highway/Active Transportation Project List

Jurisdiction	Project	Route Number	Boundaries		UPC #	Contained in 2045 CLRP	Regionally Significant	Contained in TIP	Committed Project	Year of Expenditure (YOE)	Improvements Description	Cost Estimate (2021)	Cost To Complete (YOE)
			From	To									
Stafford County	Route 17 & Short St (Route 1034) Signal Removal / Median Construction	US-17	Intersection of Short St and US-17	Intersection of Short St and US-17	118004	X	X		X	FY22-27	Remove an existing traffic signal at US 17 Bus. and Short Street, construct median to separate US 17 Bus. NB and SB traffic from the Short Street intersection to 200 feet W of Olde Forge Drive	$ 199,000	$ -
Stafford County	#SMART22 - US-17 Business STARS Study Improvements	US-17	US-17 north	US-17 north	119113	X	X		X	FY22-27	Widen US 17 Bus. to replace TWLTL with a raised median for access management and improved safety with bike, pedestrian, and FRED transit accommodations	$ 9,763,000	$ -
Stafford County	US-17 Business Safety Improvements	US-17	I-95	Washington St		X	X			FY28-38	Implement STARS Study recommendations	$ 10,000,000	$ 12,680,000
Stafford County	US-1 & Coal Landing Road	US-1	Coal Landing Rd	Coal Landing Rd			X			FY39-50	Left turn lane extension on US-1 at Coal Landing Road	$ 3,049,296	$ 4,808,740
City of Fredericksburg	Rte-3 Signal Optimization	Route 3	Blue and Gray Pkwy	William St	100450	X	X	X	X	FY22-27	Operational Improvements	$ 1,046,000	$ -
City of Fredericksburg	Rte 1 Upgrades	US-1	William St	Caroline St	113997	X	X	X	X	FY22-27	Safety Upgrades	$ 1,260,000	$ -
City of Fredericksburg	#SMART20 - Rte 1/Fall Hill Ave Intersection Improvements	US-1			115117	X	X	X	X	FY22-27	Intersection Improvements	$ 7,200,000	$ -
City of Fredericksburg	#SMART20 - Route 3 STARS Study and I-95 Off-Ramp Improvements	Route 3	Gateway Blvd	Dixon St	115124	X	X	X	X	FY22-27	Provide safety and operational improvements to the NB I-95 to EB Route 3 off ramp and Route 3 from Gateway Blvd to Dixon Street.	$ 11,500,000	$ -
City of Fredericksburg	Rte-3 Safety Improvements - Gateway Blvd to Oakwood St Access Control	Route 3	Route 3	Oakwood St		X	X			FY28-38	Add concrete median along Rte-3 to improve safety and access management	$ 400,000	$ 507,200
City of Fredericksburg	#SMART22 - US 1 & Augustine Ave Intersection	US-1	Augustine Ave	Snowden St	110114	X	X		X	FY28-38	Add SB right turn bay on Route 1 at Augustine, provide access management at Snowden Dr, Augustine, and service road, install bike/ped facilities	$ 2,693,000	$ -
City of Fredericksburg	US Route 1 STARS - Rte 3 Off-Ramp/Spotsylvania Ave Improvements	US-1	Route 3	Cowan Blvd	T25116	X	X		X	FY22-27	Safety and operations improvements from US 1 STARS Study	$ 4,500,000	$ -
City of Fredericksburg	US Route 1 Safety Improvements - Princess Anne Street and Hanson Avenue Intersection	US-1	Hansen Ave	Falmouth Bridge		X	X			FY28-38	Safety and operations improvements from US 1 STARS Study	$ 2,800,000	$ 3,550,400
City of Fredericksburg	US Route 1 Bridge Replacement at Rappahannock Canal	US-1	0.05 mi north of Mary Washington Blvd	0.80 mi north of Mary Washington Blvd						FY39-50	Replace bridge over canal with bike/ped accommodations	$ 8,000,000	$ 12,616,000
Spotsylvania County	#HB2 FY17 - US 17 I-95 bridge replacement and widening	US-17	US-1	Hospital Blvd	107140	X		X	X	FY22-27	Widen to 4 lanes divided with bike/ped accommodations	$ 21,871,000	$ -
Spotsylvania County	#SMART18 - I-95 Exit 126, US 1 SB onto Southpoint Pkwy	US-1	I-95 SB Off-Ramp	Southpoint Pkwy	110914	X	X	X	X	FY22-27	Add an additional right turn lane off the I95 Exit 126 ramp and continue to provide a full right turn lane on southbound US-1 extending to Southpoint Parkway	$ 14,495,000	$ -
Spotsylvania County	Rte 1 and Market St Turn Lane	US-1			115614	X	X	X		FY22-27	Turn lane improvements	$ 7,651,000	$ 1,795,000
Spotsylvania County	Ste-3 Operational Improvements	Route 3	Bragg Rd	Salem Church Rd	113172	X	X	X	X	FY22-27	Traffic Management/Engineering Operational Improvements	$ 5,000,000	$ -
Spotsylvania County	#SMART22 - Rte 1/208 Area Multimodal and Revitalization Improvements	US-1/ Route 208	Industrial Dr	Market St	119189	X	X			FY22-27	Intersection improvements, access management improvements, new sidewalks	$ 26,011,000	$ 11,975,000
Spotsylvania County	#SMART22 - Route 208 Operational and Multimodal Improvements	US-1/ Route 208			119108	X	X			FY22-27	Provide 3 thru-lanes WB on Rte 208 between Hood Dr and Woodland Dr as well as Triple-LTLs on Southpoint Pkwy NB at Rte 208; 208 PNR lot improvements	$ 14,099,000	$ 6,350,000
Spotsylvania County	NW Quadrant Roadway at US Rte 1/Hood Drive/Mine Rd	US-1/ Route 636	0.25 mi north of US-1/Hood Dr/Mine Rd Intersection	0.15 mi south of US-1/Hood Dr/Mine Rd Intersection	118612	X	X			FY22-27	Construct an innovative intersection called a quadrant roadway for the US Rte 1/Hood Dr/Mine Rd intersection with the quadrant positioned on the Northwest side of the intersection.	$ 25,720,759	$ 24,886,759
Spotsylvania County	Route 1 Market Street Signal Rebuild	US-1	US-1/Market St	US-1/Market St	119398	X	X		X	FY22-27	Safety Improvements	$ 520,000	$ -
Spotsylvania County	Intersection Improvements Rte 620 (Harrison Rd) & Rte 1	Route 620	0.010 mi west of intersection US- 1 and Route 620	0.232 mi west of intersection US-1 and Route 620	51845	X	X	X	X	FY22-27	Add through- and turn- lanes, increase intersection capacity, upgrade signal to include pedestrian accommodations, new lighting, bike/ped sidewalk and trail	$ 19,188,000	$ -

FAMPO 2050 Fiscally Constrained Highway/Active Transportation Project List

Jurisdiction	Project	Route Number	Boundaries		UPC #	Contained in 2045 CLRP	Regionally Significant	Contained in TIP	Committed Project	Year of Expenditure (YOE)	Improvements Description	Cost Estimate (2021)	Cost To Complete (YOE)
			From	To									
Spotsylvania County	Rte-3 Lick Run Bridge Replacement	Route 3	West of Lick Run	East of Lick Run	113806	X		X		FY22-27	Replace Bridge	$ 4,800,000	$ 3,750,000
Spotsylvania County	US Rte 1/Southpoint Pkwy Intersection Improvements	US-1	0.35 mi north Southpoint Pkwy	0.35 mi south Southpoint Pkwy			X			FY39-50	Traffic operational improvements with pedestrian accommodations	$ 9,000,000	$ 14,193,000
Spotsylvania County	US Rte 1 Massaponax Corridor Study Improvements	US-1	Commonwealth Dr	Caroline County Line			X			FY39-50	Intersection improvements and a shared use path along one side of US-1	$ 20,000,000	$ 31,540,000
Spotsylvania County	US Rte 1/Hood Drive/Mine Road Intersection Improvements	US-1					X			FY39-50	Potential Quadrant Roadway or conventional intersection improvements to accommodate VA Clinic Main Entrance, widening on Hood Dr to 4 lanes	$ 30,000,000	$ 47,310,000
Spotsylvania County	Rte 3 Corridor Transportation Plan Study Improvements	Route 3	Gordon Rd	Orange County Line			X			FY39-50	Traffic operational and safety improvements with bike/ped accommodations	$ 15,000,000	$ 23,655,000
Spotsylvania County	Route 208/Smith Station Intersection Improvements	Route 208	0.25 Mile east of Smith Station Rd	0.25 Mile west of Smith Station Rd			X			FY39-50	Improve traffic operations and provide pedestrian accommodations	$ 6,000,000	$ 9,462,000
											Other Principal Arterial Projects Total	$ 335,513,055	$ 232,734,099
Minor Arterial Projects													
Multi-Jurisdictional	#SMART22 - Lafayette Blvd Multimodal Improvements	US-1 Bus./ Route 208	Caroline St	Route 208 Park and Ride Lot	118980	X	X		X	FY22-27	Add sidewalk on east side of Lafayette Blvd with two new bus stops; improvements at Route 208 PNR lot	$ 11,781,801	$ -
Stafford County	Butler Rd Improvements	Route 218	Carter St	Castle Rock Dr		X	X			FY28-38	Widen from 2 to 4 lane facility with bike/ped accommodations	$ 28,225,000	$ 35,789,300
City of Fredericksburg	#SMART20 - Lafayette Blvd/Kenmore Ave/ Charles St Roundabouts		Kenmore Ave	Charles St	115123	X	X	X	X	FY22-27	Install Roundabouts	$ 5,800,000	$ -
City of Fredericksburg	Lafayette Blvd Improvements/Widening	US-1 Bus.	Blue and Gray Pkwy	US-1		X	X			FY28-38	Widen to 4 lanes divided with bike/ped accommodations	$ 19,817,000	$ 25,127,956
Multi-Jurisdictional	Dixon St / Tidewater Trail Widening	US-17	Mayfield Ave	US-17/Mills Dr		X	X			FY39-50	Widen to 4 lanes divided with shared use path on east side	$ 52,000,000	$ 82,004,000
Spotsylvania County	#SMART22 - Route 2/17 Improvements	US-17	City of Fredericksburg Line	Shannon Airport	119110	X	X			FY22-27	Widen to 4 lanes divided with shared use path on east side	$ 40,885,000	$ 20,937,000
Spotsylvania County	#SMART18 - Lafayette Blvd and Harrison Rd Turn Lane Improvements	US-1 Bus.			110913	X	X	X	X	FY22-27	Extend SB Lafayette Blvd right turn lane onto Harrison Rd	$ 1,218,000	$ -
Spotsylvania County	#SMART18 - Rt 208 and Rt 636 Intersection Improvements	Route 208			110987	X	X	X		FY22-27	Intersection Improvements with bike/ped accommodations	$ 6,301,000	$ 378,000
Spotsylvania County	#SMART20 - Harrison Rd & Salem Church Intersection Improvements	Route 620	Harrison Rd	Salem Church	115764	X		X	X	FY22-27	Intersection Improvements	$ 6,100,000	$ -
Spotsylvania County	Spotsylvania Parkway/Hospital Blvd Resurfacing		0.398 mi east of Spotsylvania Pkwy intersection	Intersection of Hospital Blvd and US-17	114897	X			X	FY22-27	Intersection Improvements	$ 810,000	$ -
Spotsylvania County	Harrison Rd Widening & Shared Use Path	Route 620	Salem Church Rd	US-1		X	X			FY39-50	Widen to 4 lanes divided with bike/ped accommodations	$ 35,000,000	$ 55,195,000
Spotsylvania County	Lafayette Boulevard Highway Study Improvements	US-1 Bus.	St Paul St	US-1 (Four Mile Fork)			X			FY39-50	Traffic operational and safety improvements with bike/ped accommodations	$ 10,000,000	$ 15,770,000
Spotsylvania County	Old Plank Road/Andora Drive Intersection Improvement	Route 610	0.25 mi east of Andora Dr	0.25 mi west of Andora Dr						FY39-50	New 1 lane roundabout with pedestrian accommodations	$ 3,000,000	$ 4,731,000
Spotsylvania County	Benchmark Road Shoulder Improvements	Route 608	Rte 2/ US-17 Bus.	Rte 2/ US-17 Bus.						FY39-50	Widen shoulders to provide a shared use path and improve traffic operations, also includes intersection improvements along Benchmark Rd (Rte 608)	$ 3,500,000	$ 5,519,500
Spotsylvania County	Harrison Road/Piedmont Drive Intersection Improvements	Route 610	0.25 mi west of Piedmont Dr	Leavells Rd						FY39-50	Intersection operational and safety improvements, left turn lane and bike/ped accommodations	$ 6,000,000	$ 9,462,000
Spotsylvania County	Lansdowne Road Extension to Russo Drive (Upper Spotsy Area)	Route 638	Tidewater Trail	Upper Spotsy Redevelopment						FY39-50	Extend Lansdowne Rd, as a 2 lane road, with shared use path along with intersection improvements	$ 4,763,707	$ 7,512,366

FAMPO 2050 Fiscally Constrained Highway/Active Transportation Project List

Jurisdiction	Project	Route Number	Boundaries		UPC #	Contained in 2045 CLRP	Regionally Significant	Contained in TIP	Committed Project	Year of Expenditure (YOE)	Improvements Description	Cost Estimate (2021)	Cost To Complete (YOE)
			From	To									
Spotsylvania County	Hudgins Road Improvements	Route 661	US-1	Lafayette Blvd						FY39-50	Upgrade road to a 2 lane minor arterial with intersection improvements at US-1 and Lafayette Blvd and bike/ped accommodations along the WB travel lane	$ 1,575,000	$ 2,483,775
											Minor Arterial Projects Total	$ 236,776,508	$ 264,909,897
Collector Projects													
Multi-Jurisdictional	Lansdowne Rd Operational Improvements	Route 638	Mine Rd	Tidewater Trail		X				FY28-38	Turn lane improvements at Mine Rd, Shannon Dr, and Tidewater Trail with bike/ped accommodations; pavement realignment	$ 14,146,000	$ 17,937,128
Multi-Jurisdictional	Lansdowne Rd Widening	Route 638	Shannon Dr	Tidewater Trail		X				FY39-50	Widen Lansdowne Rd to 4 lanes with bridge over CSX railroad and bike/ped accommodations	$ 23,500,000	$ 37,059,500
Stafford County	#SMART20 - US 1 & Enon Rd Intersection Improvements	US-1/ Route 753	US-1	0.02 mi west of Beauregard Dr	105722	X		X	X	FY22-27	Widen to add center turn lane with turn lane Improvements at US 1	$ 10,600,000	$ -
Stafford County	Onville Road Widening	Route 641	Worth Ave	Hulvey Dr	T24755	X				FY22-27	Roadway widening for two-way left turn lane	$ 17,082,000	$ 13,416,000
Stafford County	Courthouse Road Widening	Route 630	Austin Ridge Dr	Ramoth Church Rd/ Winding Creek Rd	4632	X	X	X	X	FY22-27	Widen to 4 lanes with bike/ped accommodations	$ 35,966,920	$ -
Stafford County	#SMART22 Rt 648 - Widen Shelton Shop Road	Route 648	Garrisonville Rd	Courthouse Rd		X	X			FY22-27	Widen to 4 lanes with bike/ped accommodations	$ 22,700,000	$ 2,008,000
Stafford County	Shelton Shop Rd / Winding Creek Rd Intersection - Site Improvement	Route 648	Shelton Shop Rd / Winding Creek Rd	Shelton Shop Rd / Winding Creek Rd	119187	X			X	FY22-27	Widen to 4 lanes with bike/ped accommodations	$ 50,000	$ -
Stafford County	Poplar Road Intersection Improvement	Route 616	Poplar Rd	Cedar Hill Ln	100622	X		X	X	FY22-27	Reconstruct intersection to meet current standards	$ 1,931,000	$ -
Stafford County	Berea Church Road Reconstruction	Route 654	Truslow Rd	Warrenton Rd	107194	X				FY22-27	Reconstruct roadway without added capacity	$ 6,057,000	$ 251,000
Stafford County	Lynhaven Ln - Rural Addition		Intersection of Courthouse Rd	ESM Lynhaven Ln	119135	X			X	FY22-27	Reconstruct roadway without added capacity	$ 467,000	$ -
Stafford County	#SMART20 - Stefangia Rd/Mountain View Rd Intersection Improvement				115122	X		X		FY22-27	Intersection Improvement	$ 3,700,000	$ 1,000,000
Stafford County	Leeland Road Widening	Route 626	Julian Dr	Walnut Dr		X	X			FY28-38	Roadway widening for two-way left turn lane	$ 7,007,000	$ 11,050,039
Stafford County	Courthouse Road Widening	Route 630	Ramoth Church/ Winding Creek	Shelton Shop Rd		X	X			FY28-38	Widen to 4 lanes with bike/ped accommodations	$ 5,000,000	$ 6,340,000
Stafford County	Layhill Rd & Route 1		US-1	Forbes St		X	X			FY28-38	Intersection improvements & widening of Layhill Road	$ 8,500,000	$ 10,778,000
Stafford County	Mountain View Road Improvements (Choptank to Stefaniga)	Route 627	Choptank Rd	Stefaniga Rd		X				FY39-50	3R project to improve geometry and increase safety	$ 9,377,023	$ 14,787,565
Stafford County	Mountain View Road Improvements (Stefaniga to Kellogg Mill)	Route 627	Stefaniga Rd	Kellogg Mill Rd		X				FY39-50	3R project to improve geometry and increase safety	$ 4,800,000	$ 7,569,600
Stafford County	Garrisonville Road Widening	Route 610	Eustace Rd	Shelton Shop Rd		X	X			FY39-50	Widen to 6 lanes with sidewalk	$ 52,394,122	$ 82,625,530
Stafford County	Shelton Shop Rd Widening (st)	Route 648	Garrisonville Rd	Mountain View Rd		X	X			FY39-50	Widen to 4 lanes with bike/ped accommodations	$ 7,128,710	$ 11,241,976
Stafford County	Eskimo Hill Road Improvements	Route 628	US-1	Potomac Run Rd		X				FY39-50	Reconstruct 2-lane road with intersection improvements at US 1 and bike/ped accommodations	$ 13,458,800	$ 21,224,528
Stafford County	Telegraph Road	Route 637	US-1	US-1						FY39-50	Road Widening Safety Improvements	$ 385,949	$ 608,642
Stafford County	Truslow Road (Cambridge St to Berea Church)	Route 652	Berea Church Rd	US-1						FY39-50	Road Widening Safety Improvements	$ 360,944	$ 569,209

FAMPO 2050 Fiscally Constrained Highway/Active Transportation Project List

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			From	To									
Stafford County	McWhirt Loop	Route 700	US-17	Banks Ford Pkwy						FY39-50	Road Widening Safety Improvements	$ 21,744	$ 34,290
Stafford County	Ramoth Church Road	Route 628	Courthouse Rd	Centreport Pkwy						FY39-50	Road Widening Safety Improvements	$ 483,795	$ 762,945
Stafford County	Barrett Heights Road	Route 642	Onville Rd	Garrisonville Rd						FY39-50	Road Widening Safety Improvements	$ 119,590	$ 188,593
Stafford County	Courthouse Road (Winding Creek to Shelton Shop)	Route 630	Shelton Shop Rd	Winding Creek Rd			X			FY39-50	Road Widening Safety Improvements	$ 170,687	$ 269,173
Stafford County	Hope Road	Route 687	End	US-1						FY39-50	Road Widening Safety Improvements	$ 351,159	$ 553,778
Stafford County	Garrisonville Road (Joshua to Lake Arrowhead)	Route 610	Arrowhead Dr	Joshua Rd			X			FY39-50	Road Widening Safety Improvements	$ 396,821	$ 625,787
Stafford County	Winding Creek Road	Route 628	Shelton Shop Rd	Embrey Mill Rd						FY39-50	Road Widening Safety Improvements	$ 141,333	$ 222,882
Stafford County	Kellogg Mill Road	Route 651	Woodcutters Rd	Stefaniga Rd						FY39-50	Road Widening Safety Improvements	$ 506,626	$ 798,949
Stafford County	Ferry Road	Route 606	White Oak Rd	Route 3						FY39-50	Road Widening Safety Improvements	$ 292,451	$ 461,195
Stafford County	Enon Road (Stafford Indians to Truslow)	Route 753	Truslow Rd	Stafford Indians Ln						FY39-50	Road Widening Safety Improvements	$ 142,421	$ 224,598
Stafford County	Poplar Road (Rt. 17 to Stefaniga)	Route 616	Stefaniga Rd	US-17						FY39-50	Road Widening Safety Improvements	$ 391,385	$ 617,214
Stafford County	Mountain View Road (Centreport to Kellogg Mill)	Route 627	Centreport Pkwy	Kellogg Mill Rd						FY39-50	Road Widening Safety Improvements	$ 354,421	$ 558,922
Stafford County	Winding Creek Road (Courthouse to Embrey Mill)	Route 628	Embrey Mill Rd	Courthouse Rd						FY39-50	Road Widening Safety Improvements	$ 121,764	$ 192,022
Stafford County	Joshua Road	Route 643	Garrisonville Rd	Mountain View Rd						FY39-50	Road Widening Safety Improvements	$ 250,051	$ 394,330
Stafford County	Brooke Road (New Hope Church to Eskimo Hill)	Route 608	Eskimo Hill Rd	New Hope Church Rd						FY39-50	Road Widening Safety Improvements	$ 396,821	$ 625,787
Stafford County	Poplar Road (Stefaniga to Hartwood)	Route 616	Hartwood Rd	Stefaniga Rd						FY39-50	Road Widening Safety Improvements	$ 554,462	$ 874,387
Stafford County	Hartwood Road	Route 612	Poplar Rd	US-17						FY39-50	Road Widening Safety Improvements	$ 761,026	$ 1,200,138
Stafford County	Stefaniga Road	Route 648	Mountain View Rd	Poplar Rd						FY39-50	Road Widening Safety Improvements	$ 378,339	$ 596,641
Stafford County	Garrisonville Road (Lake Arrowhead to Fauquier)	Route 610	Fauquier County	Arrowhead Dr			X			FY39-50	Road Widening Safety Improvements	$ 215,262	$ 339,468
Stafford County	Potomac Run Road	Route 626	Eskimo Hill Rd	Leeland Rd						FY39-50	Road Widening Safety Improvements	$ 253,313	$ 399,475
Stafford County	Rock Hill Church Road	Route 633	Garrisonville Rd	Mountain View Rd						FY39-50	Road Widening Safety Improvements	$ 297,887	$ 469,768
Stafford County	Little Whim Road	Route 669	Brooke Rd	White Oak Rd						FY39-50	Road Widening Safety Improvements	$ 130,462	$ 205,739

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			From	To									
Stafford County	Brooke Road (Eskimo Hill to End)	Route 608	End	Eskimo Hill Rd						FY39-50	Road Widening Safety Improvements	$ 629,477	$ 992,685
Stafford County	Tacketts Mill Road (Poplar to Heflin)	Route 646	Heflin Rd	Poplar Rd						FY39-50	Road Widening Safety Improvements	$ 191,344	$ 301,749
Stafford County	Brooke Road Reconstruction	Route 608	Maplewood Dr	Raven Rd						FY39-50	Road Widening Safety Improvements	$ 7,500,000	$ 11,827,500
Stafford County	Spotted Tavern Road	Route 614	Hartwood Rd	Cropp Rd						FY39-50	Road Widening Safety Improvements	$ 253,313	$ 399,475
Stafford County	Heflin Road	Route 612	Tacketts Mill	Poplar Rd						FY39-50	Road Widening Safety Improvements	$ 145,682	$ 229,741
Stafford County	Tacketts Mill Road (Heflin Rd to Aquia Rd)	Route 646	Fauquier County	Heflin Rd						FY39-50	Road Widening Safety Improvements	$ 163,077	$ 257,172
Stafford County	Decatur Road	Route 635	End	Norman Rd						FY39-50	Road Widening Safety Improvements	$ 390,298	$ 615,500
Stafford County	Cropp Road	Route 613/ Route 614	Poplar Rd	Fauquier County						FY39-50	Road Widening Safety Improvements	$ 242,441	$ 382,329
City of Fredericksburg	#SMART20 - Dixon St/Lansdowne Rd Intersection Improvements				115119	X	X	X	X	FY22-27	Intersection Improvements	$ 2,200,000	$ -
Spotsylvania County	Old Plank Rd and Ashleigh Park Blvd Intersection Improvements	Route 610			110898	X		X	X	FY22-27	Reconstruct and offset the westbound right turn lane on Route 610 to improve sight distance for those traveling on Route 1716.	$ 905,000	$ -
Spotsylvania County	#HB2 FY17 - Rt 606 (Mudd Tavern Road) Widening	Route 606	US-1	I-95	105464	X		X	X	FY22-27	Widen to 4 lanes with bike/ped accommodations	$ 21,250,000	$ -
Spotsylvania County	Route 711 - Crossover Movement Conversion	Route 711	US-1	I-95	109516	X		X	X	FY22-27	Safety Improvements	$ 1,957,000	$ -
Spotsylvania County	Mine/Hood Road Widening	Route 636	VA Health Care Center Hood Dr Entrance	Lansdowne Rd		X	X			FY28-38	Widen to 4 lanes with bike/ped accommodations	$ 26,000,000	$ 32,968,000
Spotsylvania County	Germanna Point Dr Extension	Route 1029	US-17	Spotsylvania Ave		X	X			FY39-50	Extend 2-lane road with bike/ped accommodations (10 ft. shared-use path)	$ 33,100,000	$ 52,198,700
Spotsylvania County	Chancellor Road Extension	Route 674	Old Plank Rd/ Chancellor Rd Intersection	Route 3						FY39-50	Widen to 4 lane minor arterial with bike/ped accommodations	$ 5,211,500	$ 8,218,536
											Collector Projects Total	$ 351,483,420	$ 357,474,184
Local Roads Projects													
Stafford County	Morton Road Widening		Leeland Rd	Cherry Laurel Dr		X				FY28-38	Roadway widening for two-way left turn lane	$ 3,200,000	$ 4,057,600
Stafford County	Falls Run Drive	Route 618	South Gateway Dr	US-17		X				FY39-50	Road Widening Safety Improvements	$ 48,923	$ 77,152
Stafford County	Woodstock Lane	Route 636	End	US-1		X				FY39-50	Road Widening Safety Improvements	$ 19,569	$ 30,860
Stafford County	Brooke Road Emergency Access Drive		Crestwood Ln	Windermere Dr		X				FY39-50	Emergency access drive to be utilized when Brooke Road is closed to flooding	$ 1,541,362	$ 2,430,728
Stafford County	Brent Point Road (Arkendale to End)	Route 658	End	Arkendale Rd		X				FY39-50	Road Widening Safety Improvements	$ 282,667	$ 445,766
City of Fredericksburg	Carl D. Silver Pkwy Extension		Current Terminus	Intersection with Gordon Rd west of Shelton Blvd		X	X			FY28-38	Extend 4-lane divided road with bike/ped accommodations	$ 5,662,000	$ 7,179,416
City of Fredericksburg	Gateway Boulevard Extension	Route 693	Route 3	Fall Hill Ave		X	X			FY28-38	New 4 Lane Divided Roadway Alignment. Include a bike/ped bridge at Rte. 3	$ 62,000,000	$ 78,616,000

FAMPO 2050 Fiscally Constrained Highway/Active Transportation Project List

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			From	To									
Spotsylvania County	Lee Hill School Dr and Old Dominion Pkwy Intersection Improvements	Route 635			110900	X		X	X	FY22-27	Safety Improvements: New 1-lane Roundabout	$ 827,000	$ -
Spotsylvania County	Secondary Access North of Route 606	Route 2092/ Route 2087	Route 606	Dan Bell Ln	111456	X			X	FY22-27	Construct service roads Rte 2092 and Rte 2087 north of Rte 606	$ 7,736,000	$ -
Spotsylvania County	Bridge over I-95		0.1 mile west of I-95	0.1 mile east of I-95		X	X		X	FY39-50	Bridge between Jackson Village & Alexander's Crossing developments. 4 lanes with bike/ped accommodations	$ 15,000,000	$ 23,655,000
											Local Roads Projects Total	$ 96,317,521	$ 116,492,522
State of Good Repair (SGR) Projects													
Stafford County, Spotsylvania County	State of Good Repair (SGR) projects from 2028 to 2038	Various	County-wide	County-wide		X				FY28-38	Maintenance of pavements and bridges	$ 50,000,000	$ 63,400,000
Stafford County, Spotsylvania County	State of Good Repair (SGR) projects from 2039 to 2050	Various	County-wide	County-wide		X				FY39-50	Maintenance of pavements and bridges	$ 50,000,000	$ 78,850,000
City of Fredericksburg	State of Good Repair (SGR) projects from 2028 to 2038	Various	City-wide	City-wide		X				FY28-38	Maintenance of pavements and bridges	$ 17,000,000	$ 21,556,000
City of Fredericksburg	State of Good Repair (SGR) projects from 2039 to 2050	Various	City-wide	City-wide		X				FY39-50	Maintenance of pavements and bridges	$ 17,000,000	$ 26,809,000
Stafford County	US 1 over Chopawamsic Creek Bridge Replacement	US-1	0.26 south Russel Rd	0.25 south Russel Rd	111406	X		X		FY22-27	Replace Bridge	$ 7,750,000	$ -
Stafford County	US 1 Bridge Replacements over Potomac Creek Dr	US-1			102936	X		X		FY22-27	Replace Bridge	$ 7,007,000	$ -
Stafford County	Rte 3 over CSX RR	Route 3			113839	X		X		FY22-27	Rehabilitate bridge	$ 2,185,000	$ -
Stafford County	#SGR22VB-BRDG BEAM REHAB-RTE626/628 CSX-FED ID 18141/18145		Rte 626/ Route 628 CXS RR	Rte 626/ Route 628 CXS RR	119100	X			X	FY22-27	Beam end repair over CXS Railroad	$ 2,225,000	$ -
Stafford County	Chatham Bridge Rehabilitation	Route 3			105535, 110822 & 114770	X	X	X	X	FY22-27	Rehabilitate bridge deck with bike/ped accommodations	$ 24,925,019	$ -
Stafford County	Rte 644 Bridge Replacement	Route 644	Aquia Creek	Aquia Creek	113851	X		X	X	FY22-27	Replace Bridge	$ 6,480,000	$ -
Stafford County	I-95 Bridge Rehab: Potomac Creek NB/SB	I-95				X				FY28-38	Replace Bridge	$ 2,200,000	$ 3,469,400
Stafford County	I-95 Bridge Rehab: Aquia Creek NB/SB	I-95				X				FY28-38	Rehabilitate Bridge	$ 5,572,340	$ 7,065,727
City of Fredericksburg	#SGR21LP - CITY OF FREDERICKSBURG PLANK RD 3 E	Route 3	EB milepost 32.048	EB milepost 32.524	117114	X			X	FY22-27	Resurfacing - remove and replace 2" of asphalt on the EB side of RT-3. Excludes mill and resurface bridge over I-95	$ 400,000	$ -
City of Fredericksburg	#SGR21LP - CITY OF FREDERICKSBURG PLANK RD 3 E (291)	Route 3	EB milepost 31.57	EB milepost 32.36	117142	X			X	FY22-27	Resurfacing - remove and replace 2" of asphalt on the Eastbound side of Route 3 from Gateway Blvd. to Oakwood Street.	$ 273,000	$ -
Spotsylvania County	I-95 Bridge Rehab: Ni River NB/SB	I-95				X				FY28-38	Replace Bridge	$ 2,200,000	$ 3,469,400
Spotsylvania County	Mt. Olive Rd over N Anna River Bridge Replacement	Route 650	0.05 mi south of Hanover/Spotsylvania County Line	0.03 mi north of Hanover/Spotsylvania County Line	81501	X		X	X	FY22-27	Replace Bridge	$ 2,835,000	$ -
Spotsylvania County	Rte 1470 Culvert Replacement		Bloomsbury Ln		113807	X		X	X	FY22-27	Replace Culvert	$ 1,313,000	$ -
											SGR Projects Total	$ 199,365,359	$ 204,619,527
Active Transportation Projects													
Multi-Jurisdictional	Bike Share Plan Capital Costs					X				FY28-38	Implement bike share program in Fredericksburg area	$ 684,000	$ 867,312

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			From	To									
Multi-Jurisdictional	Regional Greenway Improvements					X	X			FY28-38	Implement greenway improvements throughout the FAMPO region	$ 5,000,000	$ 6,340,000
Stafford County	Belmont-Ferry Farm Trail		Existing terminus of Belmont-Ferry Farm Trail Rd	Ferry Farm	17570	X		X	X	FY22-27	Construct shared-use path	$ 4,044,000	$ -
Stafford County	Onville Road Sidewalk Project		0.198 MI South of Evans Lane	0.043 MI North of Evans Lane	111224	X		X	X	FY22-27	Construct Sidewalk	$ 1,399,000	$ -
Stafford County	Upgrades on Leeland Road		Deacon Rd	1.03 mi north of Deacon Rd	109477	X		X	X	FY22-27	Construct new bike lanes	$ 2,870,000	$ -
Stafford County	Stafford Sidewalk - Manning Rd and Lichfield Blvd		Litchfield: Plantation Dr Manning: Forbes St	Litchfield: Harrogate Rd Manning: James Madison Dr	113837	X		X	X	FY22-27	Construct sidewalk adjacent to Manning Dr	$ 587,000	$ -
Stafford County	Flatford Road Sidewalks		Parkway Blvd	Winding Creek Rd	113561	X		X	X	FY22-27	Construct sidewalk adjacent to Flatford Rd	$ 966,000	$ -
Stafford County	Deacon Road Sidewalks		VDOT District Office	Leeland Rd	113993	X			X	FY22-27	Construct sidewalk adjacent to Deacon Rd	$ 1,050,000	$ -
Stafford County	Belmont-Ferry Farm Trail Phase VI		River Rd	Ferry Farm	112311	X		X		FY22-27		$ 2,516,000	$ -
Stafford County	Butler Road Sidewalks		Carter St	St. Clair Brooks Park		X				FY28-38	Construct sidewalk adjacent to Butler Rd	$ 530,000	$ 672,040
Stafford County	Crossing Improvements at Kings Highway and Cool Springs Road/Jett Drive					X				FY28-38	Construct 3 crosswalks and install pedestrian signal	$ 160,000	$ 202,880
Stafford County	Warrenton Road (US 17 Bus.) Sidewalks		I-95	US-1		X	X			FY28-38	Construct sidewalk adjacent to Warrenton Rd	$ 1,161,000	$ 1,472,148
Stafford County	Staffordboro Boulevard Sidewalk		VDOT Commuter Lot	Pike's Place	117937	X				FY28-38	Construct sidewalk	$ 1,077,500	$ 1,366,270
Stafford County	Salisbury Drive Sidewalk		Garrisonville Rd	Mine Rd Commuter Lot		X				FY28-38	Construct 900 ft long sidewalk	$ 952,000	$ 1,207,136
Stafford County	Foreston Woods Drive Sidewalk									FY39-50	Construct 500 ft long 5 ft wide sidewalk along north side of Foreston Woods	$ 1,341,143	$ 1,700,569
City of Fredericksburg	Fall Hill Ave - Riverside Manor Connector - Sidewalks		Carl D. Silver Pkwy	Fall Hill Ave/ Vidalia St	113838	X		X	X	FY22-27	Riverside Manor Connector - Sidewalks	$ 175,000	$ -
City of Fredericksburg	#HB2 FY17 - Virginia Central Railway Trail Bridge		VCR Trail		109574	X		X	X	FY22-27	Construct bike/ped bridge over Hazel Run	$ 329,000	$ -
City of Fredericksburg	Twin Lake/Kensington/Ped Counter		St Paul St	Twin Lake Dr	110932	X		X	X	FY22-27	Construct shared-use path	$ 1,981,550	$ -
City of Fredericksburg	Downtown Fredericksburg Pedestrian Improvements				111804	X		X	X	FY22-27	Street light upgrades, sidewalk reconstruction, crosswalk upgrades and market square alley Improvements	$ 2,550,000	$ -
City of Fredericksburg	#SMART22 - Idlewild Blvd/VCR Trail Connector		Kings Mill Dr	Idlewild Blvd	119188	X	X			FY22-27	Asphalt surfaced multi-use trail west side of U.S. Rt. 1, with bridge over Hazel Run	$ 5,139,574	$ -
City of Fredericksburg	Riverfront Corridor Connector		Rappahannock River Heritage Trail	Lafayette Blvd		X				FY28-38	Construct bike lanes along Sophia St and Pitt St from Lafayette Blvd to Caroline St, construct cycle track along Caroline St from Pitt St to RRHT, and improve intersection at Sophia and William	$ 264,000	$ 334,752
City of Fredericksburg	VCR Trail Bridge over Blue & Gray Parkway					X			X	FY28-38	Construct bike/ped bridge over Blue & Gray Pkwy near VCR Trail	$ 250,000	$ 317,000
City of Fredericksburg	Kenmore Ave Bike Improvements		Lafayette Blvd	Rappahannock Canal Path		X				FY28-38	Construct cycle track between Lafayette Blvd and William St, Sharrows between William St and Grove Ave, and shared-use path between Grove Ave and Canal Path	$ 103,000	$ 130,604

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City of Fredericksburg	East-West Bike Boulevard		Rowe St/ Stafford Ave	Sophia St		X				FY28-38	Utilize traffic calming techniques to create bike boulevard from FRED Central to Sophia St	$ 785,000	$ 995,380
City of Fredericksburg	Idlewild Shared-Use Path		Idlewild Neighborhood	VCR Trail		X			X	FY28-38	Construct paved (natural surface) shared-use path connecting Idlewild to VCR Trail - near Blue Trail	$ 62,000	$ 78,616
City of Fredericksburg	Hospital Drive Shared-Use Path		Cowan Blvd	Rappahannock Canal Path		X				FY28-38	Construct shared-use path adjacent to Hospital Dr	$ 542,000	$ 687,256
City of Fredericksburg	VCR Trail Bridge over U.S. 1 Bypass		VCR east of US-1	VCR west of US-1		X				FY28-38	Construct bike/ped bridge over U.S. 1 Bypass near VCR Trail	$ 1,000,000	$ 1,268,000
City of Fredericksburg	Bankside Trail		Frederick St	Lewis St/Sophia St						FY39-50	Off-street multi-use trail	$ 2,500,000	$ 3,942,500
City of Fredericksburg	Lafayette Trail System Connector	US-1 Bus.	Princess Anne Street	Sophia St						FY39-50	Provide a bike/ped connection along Lafayette; connect the VCR Trail, trails planned with Kenmore/Charles Street roundabouts, and the Riverfront Corridor Connector/Bankside Trail	$ 500,000	$ 788,500
Spotsylvania County	Spotswood Furnace Rd Sidewalk		Riverbend High School	Route 3	113992	X				FY22-27	Construct sidewalk along Spotswood Furnace Rd	$ 950,000	$ -
Spotsylvania County	Spotswood Furnace Rd Sidewalks		Route 3	Spotswood Furnace Rd	113991	X				FY22-27	Construct sidewalks	$ 950,000	$ -
Spotsylvania County	Spotsylvania Courthouse Village Streetscape - Phase II				110488	X		X		FY22-27	Construct sidewalks and other ped infrastructure	$ 1,118,773	$ -
Spotsylvania County	Signalized Crosswalks at Route 1 between Mills Dr and Route 17	US-1	Mills Dr	US-17	114718	X				FY22-27	Pedestrian improvements on Rt 1 from Mills Dr to Route 17	$ 281,000	$ -
Spotsylvania County	Leavells Road Pedestrian Improvements	Route 639	Harrison Rd	Cedarbrook Rd	114737	X				FY22-27	Pedestrian improvements from Harrison Rd to Cedarbrook Rd	$ 564,000	$ -
Spotsylvania County	Harrison Road Pedestrian Improvements		Gordon Rd	Leavells Rd	114729	X				FY22-27	Construct a shared-use path from VCR Trail to intersection. Install 3 crosswalks and a pedestrian signal	$ 368,000	$ -
Spotsylvania County	US 1 and Spotsylvania Parkway Intersection Improvements					X				FY28-38	Construct shared-use path along Spotsylvania Pkwy, repaint 5 crosswalks and install pedestrian signal	$ 542,000	$ 687,256
Spotsylvania County	Salem Church Road Shared-use Path and Sidewalk	Route 639	Route 3	Harrison Rd		X				FY28-38	Construct shared-use path and sidewalk along Salem Church Rd Install 3 crosswalks and pedestrian signal at Rt. 3 and Salem Church Rd	$ 288,000	$ 365,184
Spotsylvania County	Harrison Rd and Leavells Rd/Salem Church Rd Intersection Improvements					X				FY28-38	Install 3 crosswalks and pedestrian signals. Construct shared-use path to VCR Trail	$ 520,000	$ 659,360
Spotsylvania County	Smith Station Road Shared-Use Path		Leavells Rd	1,000 ft west of Leavells Rd		X				FY28-38	Construct shared-use path and repaint crosswalks at Smith Station Rd and Spotsylvania Pkwy	$ 600,000	$ 760,800
Spotsylvania County	Smith Station Road Sidewalk		Spotsylvania Pkwy	Existing Sidewalk		X				FY28-38	Construct sidewalk along Smith Station Rd from existing sidewalk south of Spotsylvania Pkwy to Spotsylvania Pkwy	$ 137,000	$ 173,716
Spotsylvania County	Rt 208 Courthouse Rd- East Side Sidewalks- Leavells Rd to Four Mile Fork (Rnd 4 Smart scale sidewalks)	Route 208	Four Mile Fork	Leavells Rd						FY39-50	Sidewalk on E side of Breezewood to Four Mile Fork with intersection improvements; sidewalk on W side from Leavells to Four Mile Fork	$ 2,934,135	$ 3,720,484
Spotsylvania County	Plank Road Infill Sidewalks	Route 3	City of Fredericksburg Line	Chewning Ln						FY39-50	Sidewalk infill	$ 3,423,158	$ 4,340,564
Spotsylvania County	Salem Church Road	Route 639	Route 3	Harrison Rd (east)/ VCR at Salem Church (west)						FY39-50	Construct infill sidewalks along E side of Salem Church Rd and construct shared use path along W side of Salem Church Rd Phase 1 of path accomplished via prior project	$ 3,647,555	$ 4,625,100
Spotsylvania County	East Side Route 1 Corridor Sidewalks- City of Fredericksburg Line to Market Street	US-1	Market Street	City of Fredericksburg Line						FY39-50	Construct, infill missing sidewalks along the E side of Rte 1 corridor from the City of Fredericksburg line southward to Market Street.	$ 2,445,113	$ 3,100,403
Spotsylvania County	West Side Route 1- Harrison Road to Market Street	US-1	Market Street Intersection	Harrison Rd						FY39-50	Construct, infill sidewalk infrastructure along the W side of the Rte 1 corridor	$ 1,711,579	$ 2,170,282

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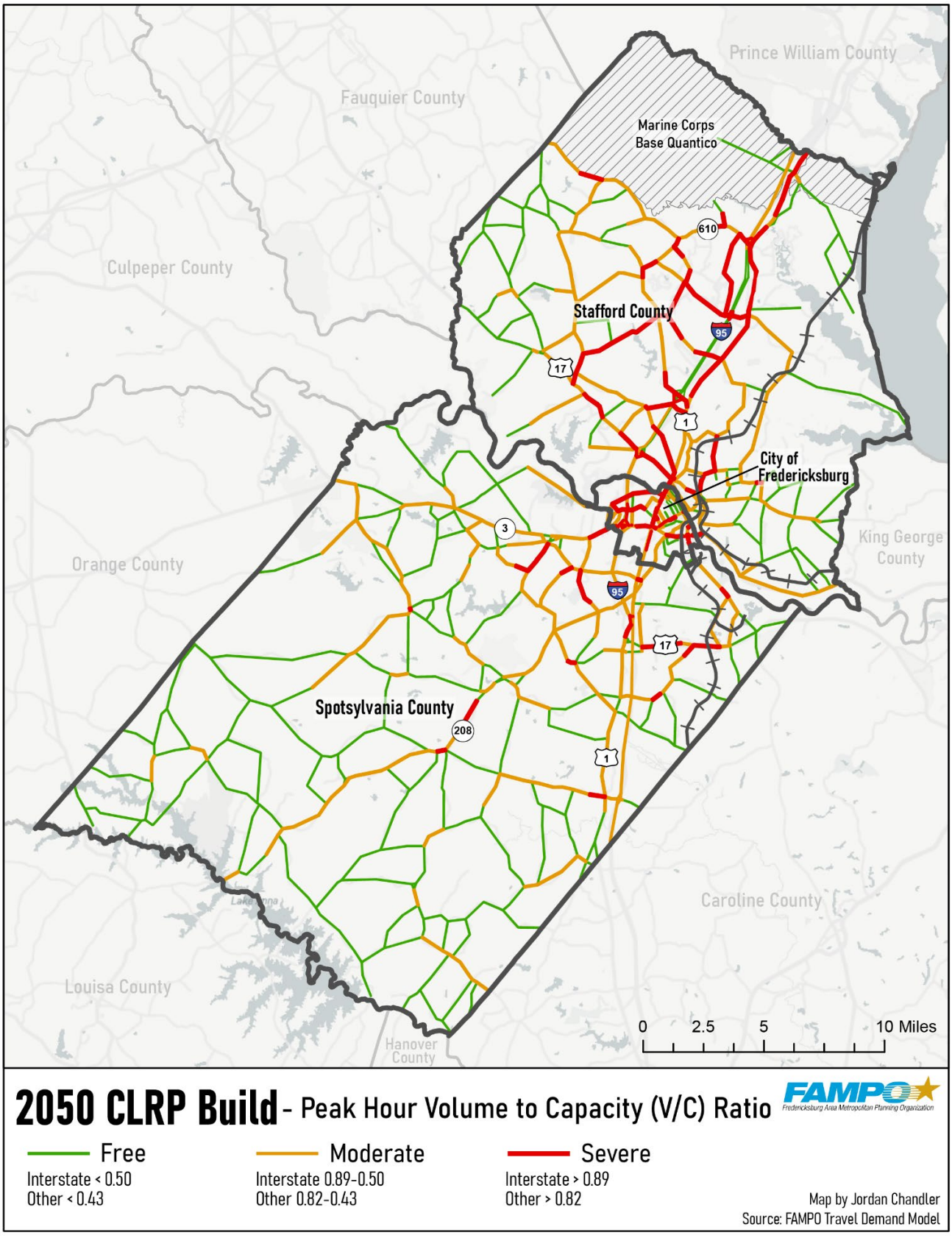
Spotsylvania County	Mills Drive Shared Use Path	US-17	New Post	East side of I-95 Bridge						FY39-50	Extend shared use path started with I-95 bridge replacement project to Rt 2/17 at New Post.	$ 7,500,000	$ 11,827,500
Spotsylvania County	Lafayette Blvd East Side Sidewalks	US-1 Bus.	Sheetz Sidewalk south of Alliance Way	South of Harrison Rd to connect w/ Spotswood Baptist sidewalks						FY39-50	Installation of new sidewalk infrastructure to close a gap along the E side of the Lafayette Blvd corridor	$ 8,500,000	$ 13,404,500
Spotsylvania County	Lafayette Blvd West Side Sidewalks- Hudgins Rd to Lassen Lane	US-1 Bus.	Lassen Ln	Hudgins Rd						FY39-50	Sidewalk infill	$ 611,278	$ 963,986
Spotsylvania County	VCR Trail Westward Expansion - Gordon Rd	627	Gordon Rd/ Harrison Rd Intersection	Current VCR Trail Terminus at Gordon Rd						FY39-50	Extend current termination point of VCR Trail to Gordon Rd & Harrison Road Intersection	$ 529,840	$ 835,557
Spotsylvania County	VCR Auxiliary Trail - Route 1 Corridor	US-1	Harrison Rd	City of Fredericksburg Line						FY39-50	Construct new shared use path southward along the western side of the Route 1 corridor from Fredericksburg City line to Harrison Road	$ 1,147,986	$ 1,810,375
Spotsylvania County	Lafayette Blvd Shared Use Path from City Line to Hudgins Rd	US-1	Hudgins Rd	City of Fredericksburg Line						FY39-50	Construct a shared use path along the W side of Lafayette Blvd extending from the City of Fredericksburg line to Hudgins Rd	$ 883,067	$ 1,392,597
Spotsylvania County	Harrison Rd - Lafayette Blvd to Rt 1 Sidewalks	US-1 Bus.	US-1	Lafayette Blvd						FY39-50	Sidewalks on both sides of Harrison Rd from Lafayette Blvd to Rt 1	$ 244,511	$ 385,594
Spotsylvania County	VCR Trail Westward Expansion along Harrison and Old Plank Rd	Route 610	Catharpin Rd	Gordon Rd						FY39-50	Extend the VCR Shared Use Path west from the Gordon Rd & Harrison Road intersection along the south side of Harrison Road and Old Plank Road to Catharpin Road.	$ 4,500,000	$ 7,096,500
Spotsylvania County	East Coast Greenway - Massaponax Church East Side	Route 608	US-1	Mills Dr						FY39-50	Establish an East Coast Greenway friendly shared use path along the east side of Massaponax Creek Road extending from Mills Drive to Route 1	$ 7,947,599	$ 12,533,364
Spotsylvania County	Massaponax Creek Greenway Connector - Rt 208 Courthouse Rd from Leavells Rd to Breckenridge Dr	Route 208	Breckenridge Dr Trailhead	Leavells Rd						FY39-50	Shared Use Path along west side of Rt 208 (Courthouse Rd), connecting to the Massaponax Creek Greenway trailhead parking area and Phase 1 trail.	$ 1,412,907	$ 2,228,154
Spotsylvania County	Hood Drive Sidewalks	Route 636	Route 208	US-1						FY39-50	New sidewalks along both sides of Hood Drive from Rt 1 to Rt 208.	$ 978,045	$ 1,542,377
Spotsylvania County	Hudgins Road Sidewalk and Shared Use Path (Lafayette to Rt 1 Connector)	Route 661	US-1	Lafayette Blvd						FY39-50	Construct sidewalk and shared use path along sides of Hudgins Rd from Lafayette Blvd to Route 1.	$ 896,607	$ 1,413,949
Spotsylvania County	Ni River Trail Shared Use Path - Rt 1 to Massaponax Church Rd via Guinea Station Rd Extended Route	Route 607	Patriot Park/Massaponax Church Rd	US-1						FY39-50	Construct a shared use path connecting Rte 1 Corridor at Massaponax Church Rd via future Guinea Station Rd Extension	$ 2,622,450	$ 4,135,604
Spotsylvania County	East Coast Greenway Spotsylvania North II - Benchmark Road	Route 638	US-17	Tidewater Trail/ US-17 Bus./Route 2						FY39-50	Establish shared use path along Benchmark Rd as part of the East Coast Greenway	$ 4,238,720	$ 6,684,461
Spotsylvania County	Deep Run Spur Trail Phase I from East Coast Greenway to Main Street	Route 638	Main Street	Tidewater Trail/ US-17 Bus./Route 2						FY39-50	New shared use path along Lansdowne Rd extension to Main Street in the Bowman Center	$ 1,236,293	$ 1,949,634
Spotsylvania County	Harrison Road South Side Sidewalks	Route 620	Leavells Rd	US-1						FY39-50	New sidewalk along the south side of Harrison Rd	$ 2,568,872	$ 4,051,111
Spotsylvania County	VCR Trail from Wawa Proffer to Harrison Village Proffer (Gap Closure)	Route 620	Wawa proffered shared use path (north side)	Harrison Vil. SUP proffer (east of Twin Springs Subdivision)						FY39-50	Fill shared use path gap between proffered developments for VCR Trial	$ 6,500,000	$ 10,250,500
Spotsylvania County	Harrison Road North Side Rt 1 to east of I95 Bridge- VCR Auxiliary Trail Route	Route 620	Harrison Village Proffered Shared Use Path	US-1						FY39-50	Extend shared use path along north side of Harrison Rd connecting with Harrison Village proffered path	$ 1,766,133	$ 2,785,192
Spotsylvania County	Route 1 Corridor Sidewalks and Shared Use Path - Massaponax Church Rd to Thornburg	US-1	Mudd Tavern Rd (Thornburg)	Massaponax Church Rd						FY39-50	New sidewalks and shared use paths extending south along Route 1	$ 8,000,000	$ 12,616,000
Spotsylvania County	Chancellor Park Drive Sidewalk	Route 2030	Harrison Rd Elementary School	Piedmont Drive						FY39-50	Extend sidewalk along the westbound travel lane	$ 2,409,000	$ 3,798,993
											Active Transportation Projects Total	$ 125,492,388	$ 144,680,060
											Grand Total	**$ 2,610,230,843**	**$ 1,671,676,359**

Map 7.7 illustrates the level of service on the Region's roadways if every project in the Constrained Plan were built. As shown, these projects would reduce, but not eliminate, regional traffic congestion. Significant congestion remains along the I-95 and U.S. 1/17 corridors as well as Route 3 in Spotsylvania County and Route 208 (Courthouse Road), Route 610 (Garrisonville Road), Leeland Road, and Deacan Road in Stafford County, and Fall Hill Ave. and Cowan Blvd. in the City of Fredericksburg.

Map 7.7: 2050 Constrained Long Range Plan Build Scenario Volume to Capacity/Level of Service



7.6 CONSTRAINED TRANSIT/TDM PROJECT LIST

As demonstrated by the population and employment growth that is projected for the Region, as well as increasing traffic congestion problems, the need for public transportation will continue to grow into the future. Projected federal revenues for public transportation are held at current levels, per guidance from DRPT, while state projections will increase by about 50% over the life of the Plan. Local government revenues rise rather substantially, except for VRE dues the use of those revenues for transit support will remain at the option of local governments. Provision of economical public transportation will remain a challenge due to the limited funding and the current dispersed land use pattern prevalent throughout the Region.

A total of 31 transit projects were included in the constrained plan, as shown in Table 7.7. These projects include both routine operating costs for transit agencies as well as planned capital improvements, downtown circulator service, and new commuter bus routes.

A total of 17 TDM projects were included in the constrained plan, as shown in Table 7.7. These projects include commuter lots, routine TDM assistance, leased parking spaces projects, park and ride lot enhancements, and similar improvements. Refer to Map 7.8 for the locations of these projects.

Map 7.8: 2050 Constrained Transit/TDM Projects

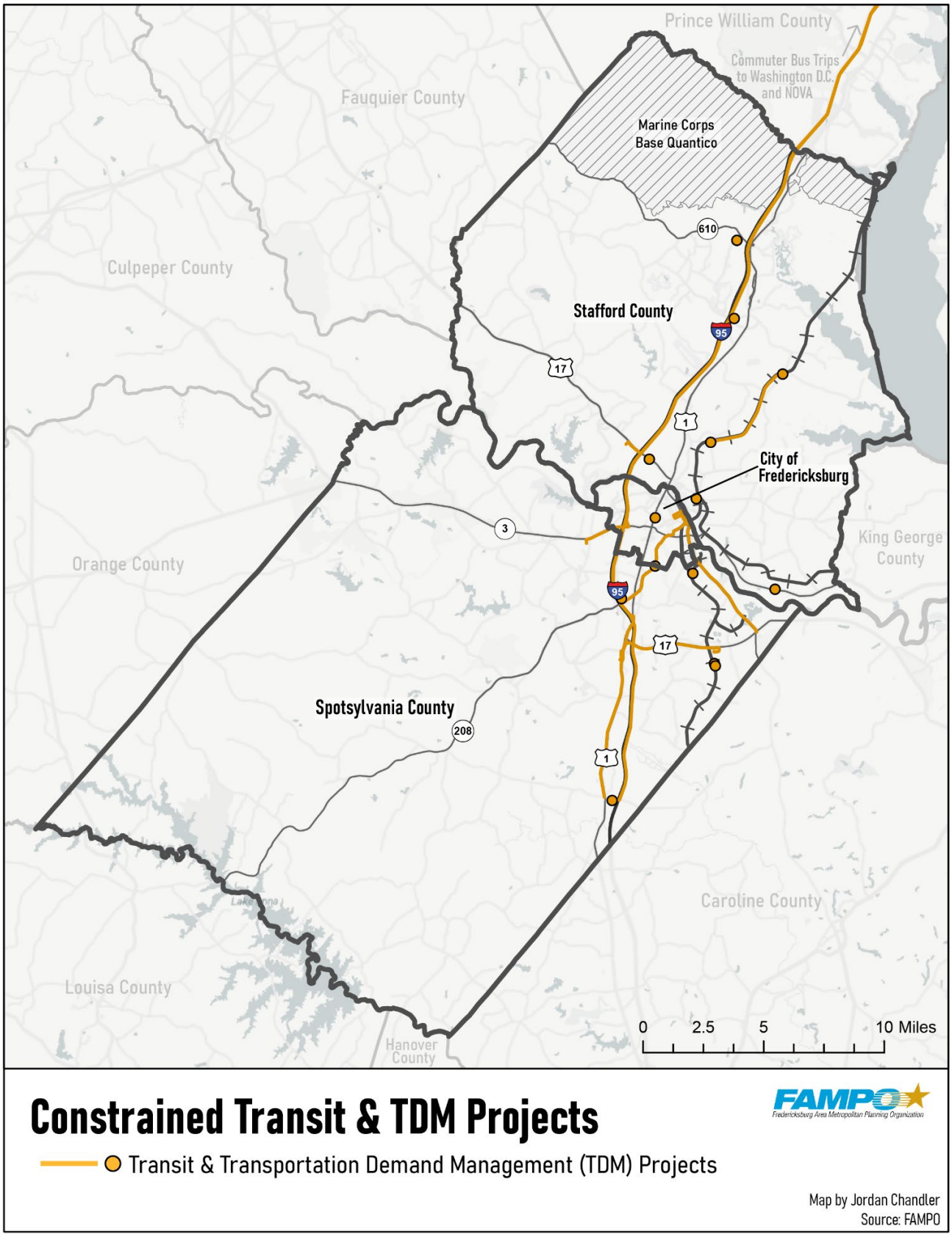


Table 7.7: 2050 Constrained Transit/TDM Projects

See next page.

FAMPO 2050 Fiscally Constrained Transit/TDM Project List										
Jurisdiction	Project/Corridor	VDOT UPC # or DRPT STIP ID	2045 LRTP Project	Regionally Significant	Contained in TIP	Committed Project	Year of Expenditure (YOE)	Project Description	Cost Estimate (2021)	Cost To Complete (YOE)
Transit Projects										
Multi-jurisdictional	#SMART20 - FRED Transit Shelters and Benches	115177	X		X	X	FY22-27	Transit shelters and benches at various locations	$ 256,000	$ -
Multi-jurisdictional	Rappahannock Area Community Services Board Paratransit Vehicles	RACS001	X		X		FY22-27		$ 260,000	$ -
Multi-jurisdictional	HGAAA Operations	RAAA001	X		X		FY22-27		$ 1,596,000	$ -
Multi-jurisdictional	HGAAA Capital Improvements	RAAA02-03	X		X		FY22-27		$ 2,954,000	$ -
Multi-jurisdictional	VRE Operations and Minor Capital FY22-27		X				FY22-27		$ 29,004,146	$ -
Multi-jurisdictional	FRED Operating Assistance FY22-27	FRT0001	X		X		FY22-27		$ 23,961,512	$ -
Multi-jurisdictional	FRED Capital Improvements FY22-27	FRT0002-0016	X		X		FY22-27		$ 4,783,832	$ -
Multi-jurisdictional	VRE Operations and Minor Capital FY28-38		X				FY28-38		$ 74,084,342	$ 74,084,342
Multi-jurisdictional	FRED Operating Assistance FY28-38		X				FY28-38		$ 44,821,943	$ 44,821,943
Multi-jurisdictional	FRED Capital Improvements FY28-38		X				FY28-38		$ 8,770,359	$ 8,770,359
Multi-jurisdictional	VRE Operations and Minor Capital FY39-50		X				FY39-50		$ 126,074,629	$ 126,074,629
Multi-jurisdictional	FRED Operating Assistance FY39-50		X				FY39-50		$ 50,400,539	$ 50,400,539
Multi-jurisdictional	FRED Capital Improvements FY39-50		X				FY39-50		$ 9,567,664	$ 9,567,664
Multi-jurisdictional	FRED Enhanced Bus Service/Replacement Buses						FY39-50	This project includes new routes in the FRED service area, increased frequency on existing routes, fixed guideway service, and replacement buses	$ 15,000,000	$ 23,655,000
Stafford County	Potomac Creek Third Track South (Siding A)		X	X		X	FY22-27	Construct 4 mi. of third track between Brooke & Leeland Stations	$ 107,576,000	$ -
Stafford County	#SMART18 - Leeland VRE Station Improvements	111884	X	X	X	X	FY22-27	Expand existing platform, construct second platform and add bike/ped accommodations	$ 6,255,290	$ -
Stafford County	#SMART18 - Brooke VRE Station Improvements	111883	X	X	X	X	FY28-38	Expand existing platform, construct second platform and add bike/ped accommodations	$ 8,789,107	$ -

FAMPO 2050 Fiscally Constrained Transit/TDM Project List										
Jurisdiction	Project/Corridor	VDOT UPC # or DRPT STIP ID	2045 LRTP Project	Regionally Significant	Contained in TIP	Committed Project	Year of Expenditure (YOE)	Project Description	Cost Estimate (2021)	Cost To Complete (YOE)
Stafford County	New Commuter bus route (Rt. 17 to Washington)						FY39-50	Bus Rapid Transit	$ 2,000,000	$ 3,154,000
Stafford County	New Commuter bus route (Courthouse to Washington)						FY39-50	Bus Rapid Transit	$ 2,000,000	$ 3,154,000
City of Fredericksburg	Downtown Fredericksburg Circulator		X				FY28-38	New service around the Downtown Fredericksburg area	$ 400,000	$ 507,200
Spotsylvania County	#SMART18 Crossroads Maintenance & Storage Facility	111886	X			X	FY22-27	Constructs storage track(s) for overnight train storage at the Crossroads Maintenance and Storage Facility (MSF) needed to store the 11 expansion coaches	$ 8,365,765	$ -
Spotsylvania County	VRE - Crossroads MSF Storage Expansion, Ph. 2						FY28-38	Construction of additional train storage capacity for planned VRE service expansion	$ 19,400,000	$ 19,400,000
Spotsylvania County	New Rte 208/Lafayette Blvd Commuter Service to AMTRAK/VRE		X				FY22-27	Implement new commuter bus route for Rte208/Lafayette Blvd corridor to Fredericksburg AMTRAK/VRE including service to new VA Health Care Clinic	$ 1,218,800	$ 1,218,800
Spotsylvania County	New Rte 2/17 Commuter Service to AMTRAK/VRE		X				FY22-27	Implement new commuter bus route for Rte 2/17 corridor to Fredericksburg AMTRAK/VRE	$ 1,500,000	$ 1,500,000
Spotsylvania County	Additional F4 Service for Rte 2/17 Corridor		X				FY22-27	Reduce headways from 60 to 30 minutes	$ 1,500,000	$ 1,500,000
Spotsylvania County	Additional S4 Service		X				FY22-27	Reduce headways from 60 to 30 minutes and add new service to VA Health Care Clinic	$ 1,500,000	$ 1,500,000
Spotsylvania County	New FRED Transit Service to Thornburg						FY39-50	To restore US Rte 1 FRED Service between Massaponax and Thornburg: Along US Rte 1 from VA Health Care Clinic to Rte 606 West	$ 2,000,000	$ 3,154,000
Spotsylvania County	New VRE Feeder Bus to Spotsylvania VRE						FY39-50	VRE Feeder Bus for US 17 corridor: Rte 1/Commonwealth Drive PNR Lot to Spotsylvania VRE along US 17 Corridor	$ 2,000,000	$ 2,536,000
Spotsylvania County	New Commuter Bus Service: Rte 3 to NOVA/DC						FY39-50	New Service	$ 2,000,000	$ 2,536,000
Spotsylvania County	New Commuter Bus Service: Massaponax/Lee Hill to NOVA/DC						FY39-50	New Service	$ 2,000,000	$ 2,536,000
Spotsylvania County	New Commuter Bus Service: Thornburg to NOVA/DC						FY39-50	New Service; Increase leased parking spaces from 150 to 200 with GWRideConnect Administering	$ 1,500,000	$ 1,902,000
TDM Projects										
Multi-jurisdictional	GWRideConnect/TDM Assistance	103685	X	X	X		FY22-27	TDM program administration	$ 3,426,126	$ -
Multi-jurisdictional	Regional Commuter Lot Improvements		X				FY28-38	Miscellaneous commuter lot Improvements regionwide	$ 500,000	$ 634,000
Multi-jurisdictional	GWRideConnect/TDM Assistance		X	X	X		FY28-38	TDM program administration	$ 6,281,231	$ 6,281,231

FAMPO 2050 Fiscally Constrained Transit/TDM Project List

Jurisdiction	Project/Corridor	VDOT UPC # or DRPT STIP ID	2045 LRTP Project	Regionally Significant	Contained in TIP	Committed Project	Year of Expenditure (YOE)	Project Description	Cost Estimate (2021)	Cost To Complete (YOE)
Multi-jurisdictional	GWRideConnect/TDM Assistance		X	X	X		FY39-50	TDM program administration	$ 6,852,252	$ 6,852,252
FREDericksburg Regional Transit	Multi Modal Transit Facility and Parking						FY39-50	Two properties will be used for a Park & Ride and for a Multimodal Transit Facility	$ 5,000,000	$ 7,885,000
Stafford County	#SMART18 - Leeland Road VRE Station Parking Expansion	111885	X	X		X	FY22-27	Expand existing parking lot by 225 spaces	$ 5,519,178	$ -
Stafford County	#HB2 FY17 - Commuter Lot Expansion I-95 E of Exit 140	108573	X	X	X	X	FY22-27	Expand existing parking lot by 400 spaces	$ 9,719,000	$ -
Stafford County	New Chatham Heights Road Commuter Lot		X				FY28-38	Construct new 80-space lot on Chatham Heights Road	$ 2,100,000	$ 3,311,700
Stafford County	New Route 3 East Commuter Lot		X	X			FY28-38	Construct new 150-space lot on Route 3 in eastern Stafford County	$ 3,000,000	$ 3,804,000
Stafford County	New Warrenton Road (US 17 Bus.) Commuter Lot		X	X			FY28-38	Construct new 1000-space lot on US 17 Business near Olde Forge Drive	$ 20,000,000	$ 25,360,000
Stafford County	Mine Road Commuter Lot Expansion		X	X			FY28-38	Expand existing parking lot by 400 spaces	$ 11,700,000	$ 14,835,600
Spotsylvania County	Lafayette Square Leased Parking Spaces		X				FY22-27	Up to 100 spaces leased starting in FY-27 to support new VRE Feeder Bus Service with GWRideConnect Administering	$ 500,000	$ 500,000
Spotsylvania County	New Leased Parking Spaces - Rte 2/17 Corridor		X				FY22-27	Up to 350 spaces starting in FY-27 to support new VRE Feder Bus Service with GWRideConnect Administering.	$ 2,000,000	$ 2,000,000
Spotsylvania County	#HB2 FY17- New Commuter parking Lot Rte 1 at Commonwealth Dr	109474	X	X	X	X	FY22-27	Construct new lot from 0.234 mi. south of Comm. Dr. to 0.175 mi. north of Comm. Dr. (0.4090 mi)	$ 16,947,000	$ -
Spotsylvania County	Rte 208 PNR Lot Enhancements		X	X			FY22-27	New Shelter and Bicycle Parking	$ 100,000	$ 100,000
Spotsylvania County	Expand Rte 1/Commonwealth Dr PNR Lot			X			FY39-50	Add 300 spaces	$ 10,000,000	$ 15,770,000
Spotsylvania County	Additional Commuter Parking for Exit 118-Thornburg			X			FY39-50	Increased leased parking spaces from 25 to 150 with GWRideConnect Administering. Location between Rte 606 (West) and Exit 118 (East)	$ 750,000	$ 1,182,750
								Grand Total	**$ 665,934,715**	**$ 470,489,009**

7.7 CONSTRAINED PRELIMINARY ENGINEERING/STUDY PROJECT LIST

In addition to the 216 highway/active transportation and 48 transit/TDM projects included in the CLRP, there is also a list of 74 preliminary engineering (PE)/study projects, found in Table 7.8, to be included at an estimated cost of $75 million. The list includes several interchange modification and justification reports that need to be completed before improvements can be made to those specific interchanges. Other projects/corridors on the list represent additional high priority needs for the Region that are not able to be funded through construction within the life of this plan. Additionally, statewide and districtwide projects and programs that are identified in FAMPO's FY21-24 TIP are included in this list. If additional funds were to become available; projects from this list could be funded and moved to the Constrained Highway/Active Transportation or Transit/TDM Project Lists.

Table 7.8: 2050 Constrained PE/Studies List

See next page.

FAMPO 2050 Fiscally Constrained PE/Studies Project List

Jurisdiction	Project	Study Limits		VDOT UPC #	Contained in TIP	Year of Expenditure (YOE)	Study/Improvements Description	Cost Estimate (2021)	Cost Estimate (YOE)	Committed Funds	Cost To Complete (YOE)
		From	To								
PE-Studies											
Statewide	VEHICLE FUEL CONVERSION PROGRAM MARKETING			T20741	X	FY22-27	Marketing	$ 360,000	$ 360,000	$ 360,000	$ -
Statewide	Traffic Video Expansion - Statewide			110551		FY22-27	Traffic Video	$ 362,560	$ 362,560	$ 362,560	$ -
Statewide	Statewide Truck Parking Management System - Phase 1			110912	X	FY22-27	Truck parking system	$ 813,019	$ 813,019	$ 813,019	$ -
Statewide	Statewide Truck Parking Management System - Phase 2			111613	X	FY22-27	Truck parking system	$ 1,807,000	$ 1,807,000	$ 1,807,000	$ -
Statewide	ATMS - Phase 1, 2, 3, 4			111892	X	FY22-27	Traffic Management	$ 10,900,000	$ 10,900,000	$ 10,900,000	$ -
Statewide	Drone Technology Project			114400	X	FY22-27	Drone	$ 257,000	$ 257,000	$ 257,000	$ -
Statewide	ITTF FY20 I-95 VSL Compliance Monitoring			115850	X	FY22-27	Compliance	$ 13,100,000	$ 13,100,000	$ 13,100,000	$ -
Statewide	ITTF FY20 Arterial Operations Program Dashboard			115854	X	FY22-27	Operations	$ 1,250,000	$ 1,250,000	$ 1,250,000	$ -
Statewide	ITTF FY20 High Speed Communications			115855	X	FY22-27	ITS communications	$ 785,000	$ 785,000	$ 785,000	$ -
Statewide	PEDESTRIAN IMPROVEMENTS AT PRIORITY CORRIDOR STATEWIDE			114193	X	FY22-27	Pedestrian improvements	$ -	$ -	$ -	$ -
Statewide	Highway-Rail Section 130 Pre Scoping PE Only			112213		FY22-27	Study	$ 300,000	$ 300,000	$ 300,000	$ -
Statewide	ENVIRONMENTAL EQ429 FORM PROCESSING CHARGES			112497		FY22-27	Form processing	$ -	$ -	$ -	$ -
Statewide	Rail Construction			T18967	X	FY22-27	Rail construction	$ -	$ -	$ -	$ -
Districtwide	REGIONALLY SIGNIFICANT PROJECTS STUDY			113914	X	FY22-27	Study	$ 515,000	$ 515,000	$ 515,000	$ -
Districtwide	CN;SAFETY/ITS/OPERATIONAL/IMPROVEMENTS			T18969	X	FY22-27		$ -	$ -	$ -	$ -
Districtwide	ROADWAY DEPARTURE - CURVE COUNTERMEASURES - DISTRICTWIDE			107196	X	FY22-27	Safety countermeasures	$ 1,500,000	$ 1,500,000	$ 1,500,000	$ -
Districtwide	CROSSOVER MUTCD COMPLIANCE SIGNING			112893	X	FY22-27	Signage compliance	$ 555,000	$ 555,000	$ 555,000	$ -
Districtwide	TRAFFIC SIGNAL MUTCD COMPL. UPGRADES (PE ONLY)			113423	X	FY22-27	Signal compliance	$ 750,000	$ 750,000	$ 750,000	$ -
Districtwide	TRAFFIC SIGNAL MUTCD UPGRADES (CN ONLY)			113920	X	FY22-27	Signal upgrades	$ 21,000	$ 21,000	$ 21,000	$ -
Districtwide	ADAPTIVE CAPABLE SIGNAL CONTROLLERS			112530	X	FY22-27	Signals	$ 440,000	$ 440,000	$ 440,000	$ -
Districtwide	SIGNAL REBUILDS			112892	X	FY22-27	Signals	$ 1,300,000	$ 1,300,000	$ 1,300,000	$ -

FAMPO 2050 Fiscally Constrained PE/Studies Project List

Jurisdiction	Project	Study Limits		VDOT UPC #	Contained in TIP	Year of Expenditure (YOE)	Study/Improvements Description	Cost Estimate (2021)	Cost Estimate (YOE)	Committed Funds	Cost To Complete (YOE)
		From	To								
Districtwide	PEDESTRIAN CROSSINGS & SIGNAL SAFETY MODIFICATIONS			112894	X	FY22-27	Pedestrian safety	$ 555,000	$ 555,000	$ 555,000	$ -
Districtwide	PEDESTRIAN CROSSINGS & SIGNAL SAFETY MODIFICATIONS			113542	X	FY22-27	Pedestrian safety	$ 151,000	$ 151,000	$ 151,000	$ -
Districtwide	INSTALL ADVANCED SIGNAL CONTROL TECHNOLOGY AND COMMUNICATION			114334	X	FY22-27	Signals	$ 265,000	$ 265,000	$ 265,000	$ -
Districtwide	CN: TRANSIT AMENITIES			T18989	X	FY22-27	Transit improvements	$ -	$ -	$ -	$ -
Districtwide	Highway-Rail Safety Inventory Section 130 PE Only			112018	X	FY22-27	Study	$ 700,000	$ 700,000	$ 700,000	$ -
Districtwide	INSTALL FLASHING YELLOW ARROWS - DISTRICTWIDE ON-CAL			107097	X	FY22-27	Safety	$ 2,352,000	$ 2,352,000	$ 2,352,000	$ -
Districtwide	INSTALL CENTERLINE RUMBLE STRIPS - PRIMARY - DISTRICTWIDE			107096	X	FY22-27	Safety	$ 1,371,000	$ 1,371,000	$ 1,371,000	$ -
Districtwide	SAFETY PRESCOPING - FREDERICKSBURG			109475	X	FY22-27	Safety	$ 507,000	$ 507,000	$ 507,000	$ -
Districtwide	Implement iPeMS (Iteris Performance Measurement System)			105481	X	FY22-27	Study	$ 845,000	$ 845,000	$ 845,000	$ -
Districtwide	DISTRICT WIDE - PE ONLY - SIGNAL CLEARANCE INTERVAL STUDY			T17885	X	FY22-27	Safety	$ 1,500,000	$ 1,500,000	$ 1,500,000	$ -
Districtwide	I95 Corr Tech 1, 17 Signal Comm Cam - Prnc Will to Hnover			105443	X	FY22-27	Safety	$ 740,000	$ 740,000	$ 740,000	$ -
Districtwide	Incident Management Emergency Evacuation and Detour Plans			107802	X	FY22-27	Safety	$ 926,000	$ 926,000	$ 926,000	$ -
Region-wide	I-95 Interchange Improvements (Region-wide)					FY39-50	For any potential interchange study region-wide	$ 2,000,000	$ 3,154,000	$ -	$ 3,154,000
Region-wide	Lafayette Blvd Improvements/Widening	Route 3	US-1	115612		FY22-27	Widen to 4 lanes divided with bike/ped accommodations	$ 325,000	$ 325,000	$ 325,000	$ -
Region-wide	Northbound Rappahannock River Crossing Interchange Modification Report	Exit 130	Exit 133	112520		FY22-27	IMR for CD Lanes and Bridges Northbound I-95 over Rappahannock River from Exit 130 (Rte 3) to Exit 133 (Rte 17)	$ 50,000	$ 50,000	$ 50,000	$ -
Region-wide	US-1 Widening/Operational Improvements (Region-wide)	Telegraph Rd north Intersection	Caroline County Line			FY28-38	For any potential widenings/operational improvements region-wide	$ 1,000,000	$ 1,268,000	$ -	$ 1,268,000
Region-wide	US-1 PE Study: Rte 3 to Rte 208	Route 3	Route 208			FY28-38	VTrans Priority 1 Need Corridor, develop candidate projects for Smart Scale	$ 1,500,000	$ 1,902,000	$ -	$ 1,902,000
Region-wide	Intraregional Multimodal East-West Mobility Study					FY22-27	FAMPO regional study addressing transit/TDM and roadway needs	$ 405,000	$ 405,000	$ 295,000	$ 110,000
Region-wide	Rte 3 Study from I-95 (City) to Gordon Rd (Spotsylvania)	I-95	Gordon Rd			FY28-38	VTrans Priority 1 Need Corridor: To develop candidate projects for Smart Scale Round 5 or 6	$ 2,000,000	$ 2,536,000	$ -	$ 2,536,000
Region-wide	FRED High Capacity Transit Study: Route 1					FY28-38	Transit corridor study	$ 120,000	$ 152,160	$ -	$ 152,160
Region-wide	FRED High Capacity Transit Study: Route 3					FY28-38	Transit corridor study	$ 120,000	$ 152,160	$ -	$ 152,160

FAMPO 2050 Fiscally Constrained PE/Studies Project List

Jurisdiction	Project	Study Limits		VDOT UPC #	Contained in TIP	Year of Expenditure (YOE)	Study/Improvements Description	Cost Estimate (2021)	Cost Estimate (YOE)	Committed Funds	Cost To Complete (YOE)
		From	To								
Region-wide	FAMPO 2050 LRTP Support			113538	X	FY22-27	Planning Assistance to complete the 2050 LRTP	$ 528,000	$ 528,000	$ 528,000	$ -
Stafford County	TRENCH WIDENING - VARIOUS LOCATIONS			113367	X	FY22-27		$ 649,892	$ 649,892	$ 649,892	$ -
Stafford County	Centreport Parkway Study	US-1	Ramoth Church Rd			FY28-38		$ 200,000	$ 253,600	$ -	$ 253,600
Stafford County	Butler Road Study	Castle Rock Dr	Carter St			FY28-38		$ 200,000	$ 253,600	$ -	$ 253,600
Stafford County	I-95 Exit 143 Interchange Modification Report					FY28-38	Modify interchange to include direct connect ramp to 95 Express Lanes	$ 1,000,000	$ 1,268,000	$ -	$ 1,268,000
Stafford County	Route 1 North Stafford Stars Corridor Study	Route 631	Port Aquia Dr	115178	X	FY22-27	Corridor study	$ 100,000	$ 100,000	$ 100,000	$ -
Stafford County	Shoulder Rumble Strips - District Wide			111029		FY22-27	Safety improvement	$ 720,000	$ 720,000	$ 720,000	$ -
Stafford County	Shoulder Rumble Strips - District Wide			113994		FY22-27	Safety improvement	$ 2,015,000	$ 2,015,000	$ 2,015,000	$ -
Stafford County	District-Wide Systemic Rumble Strips (FY23 thru FY25)			116590		FY22-27	Safety improvement	$ 2,787,000	$ 2,787,000	$ 2,787,000	$ -
Stafford County	District-Wide High Visibility Backplates			116805		FY22-27	Safety improvement	$ 333,000	$ 333,000	$ 333,000	$ -
Stafford County	I-95 Exit 136 / Route 1 / Centreport Parkway Study (VDOT Pipeline)	Ramoth Church Rd/US-1/Centreport Pkwy	Centreport Pkwy/US-1 Intersection	119952		FY22-27	To study 2.75 miles and three signalized intersections that are aligned with top tier VTrans needs by looking at capacity preservation, TDM, bicycle/transit access, and safety improvements	$ 25,000	$ 25,000	$ 25,000	$ -
Stafford County	Route 1 Study: Woodstock Lane to Corporate Drive (VDOT Pipeline)	Woodstock Ln	Corporate Dr	119950		FY22-27	To study a 5.7 mile corridor and four signalized intersections in order to identify capacity preservation, TDM, and transit access	$ 50,000	$ 50,000	$ 50,000	$ -
City of Fredericksburg	RT 3/360 DISTRICTWIDE SHOULDER RUMBLE STRIPS	Blue & Gray Pkwy/ Stafford County Line	Route 360 Ramp/ Essex County Line	110864	X	FY22-27	Safety improvement	$ 990,000	$ 990,000	$ 990,000	$ -
City of Fredericksburg	INSTALL RETRO-REFLECTIVE BACK PLATES -- DISTRICTWIDE			110863	X	FY22-27	Safety improvement	$ 1,625,000	$ 1,625,000	$ 1,625,000	$ -
City of Fredericksburg	FYA CONVERSION OF 25 TRAFFIC SIGNALS			110824	X	FY22-27	Signals	$ 495,000	$ 495,000	$ 495,000	$ -
City of Fredericksburg	Corridor Study for Gateway Blvd			114814	X	FY22-27	Study	$ 63,000	$ 63,000	$ 63,000	$ -
City of Fredericksburg	Fredericksburg VRE Station Access/Parking Structure Study			102987		FY22-27	Study creating new access to Fredericksburg Train Station parking & expanding parking	$ 250,000	$ 250,000	$ 250,000	$ -
City of Fredericksburg	#SGR - CHATHAM BRIDGE DETOUR			114770	X	FY22-27	Detour	$ 500,000	$ 500,000	$ 500,000	$ -
City of Fredericksburg	Celebrate Virginia South Interchange Justification Report					FY28-38	Study new I-95 interchange at Celebrate VA South	$ 500,000	$ 634,000	$ -	$ 634,000
City of Fredericksburg	VCR Trail Bridges over Rt 3 and US 1 Study			111682		FY22-27	Study new VCR trail bridges over Rt 3 and US 1	$ 75,000	$ 75,000	$ 75,000	$ -
City of Fredericksburg	Bikeshare and Bicycle Infrastructure Improvements			109479	X	FY22-27		$ 50,000	$ 50,000	$ 50,000	$ -

FAMPO 2050 Fiscally Constrained PE/Studies Project List

Jurisdiction	Project	Study Limits		VDOT UPC #	Contained in TIP	Year of Expenditure (YOE)	Study/Improvements Description	Cost Estimate (2021)	Cost Estimate (YOE)	Committed Funds	Cost To Complete (YOE)
		From	To								
Spotsylvania County	Harrison Road Interchange Access Report and PE Work					FY39-50	PE study for new I-95 interchange at Harrison Road	$ 2,000,000	$ 2,536,000	$ -	$ 2,536,000
Spotsylvania County	Mills Dr (US 17) Widening	Hospital Blvd/ Germanna Point Dr	Tidewater Trail/ Sandy Lane Dr (Rte 2)			FY39-50	Widen to 4 lanes divided with bike/ped accommodations	$ 1,500,000	$ 2,365,500	$ -	$ 2,365,500
Spotsylvania County	ACTUATED FLASHER AT VARIOUS LOCATIONS			110865	X	FY22-27	Safety	$ 480,000	$ 480,000	$ 480,000	$ -
Spotsylvania County	Route 1 Massaponax STARS Corridor Study	Mine Rd	Guinea Station Rd	115613	X	FY22-27	Corridor study	$ 100,000	$ 100,000	$ 100,000	$ -
Spotsylvania County	I-95 Exit 126 PE Study	Exit 126 Interchange	Exit 126 Interchange	118612		FY22-27	PE Study for Interchange Access Report and Operational/Safety improvements	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ -
Spotsylvania County	Rte 3: Gordon Rd to Orange County Line: Operational and Safety Improvements	Gordon Rd	Orange County Line			FY28-38	PE Study for Operational and Safety improvements	$ 1,000,000	$ 1,268,000	$ -	$ 1,268,000
Spotsylvania County	Rte 208 PE Study: Multimodal Improvements/Widening	US-1	Louisa County Line			FY39-50	To study or complete PE work for multimodal improvements and widening of Rte 208	$ 500,000	$ 788,500	$ -	$ 788,500
Spotsylvania County	ACTUATED FLASHER AT RT 3/ RT 610 AND RT. 3 / RT. 613 SPOTSY	US-1	Louisa County Line	118221		FY22-27	Safety	$ 240,000	$ 240,000	$ 240,000	$ -
Spotsylvania County	Spotsylvania Parkway Extension (PE Only)	Gordon Rd/Harrison Rd	Smith Station Rd/ Leavells Rd			FY39-50	Begin PE to construct 4 lane facility with bike/ped accommodations	$ 1,000,000	$ 1,577,000	$ -	$ 1,577,000
Spotsylvania County	Chancellor Rd Widening (PE Only)	Old Plank Rd/Chancellor Rd Intersection	Plank Rd (Route 3)			FY39-50	Extend Chancellor Rd as a new 2 lane roadway with pedestrian accommodations	$ 500,000	$ 788,500	$ -	$ 788,500
Spotsylvania County	Guinea Station Rd Extension to Smith Station Rd (PE Only)	US-1	Smith Station Rd			FY39-50	Extend Guinea Station Rd as a new 2 lane roadway with pedestrian accommodations; roundabouts at US-1 and Smith Station Rd/Massaponax Church Rd	$ 400,000	$ 630,800	$ -	$ 630,800
							Grand Total	**$ 75,323,471**	**$ 81,311,291**	**$ 59,673,471**	**$ 21,637,820**