

FY 2024



Richmond Regional
**Transportation
Planning
Organization**

Work Program Annual Report

End of Year FY24

Accomplishments

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The RRTPO Annual Work Program Status Report provides a short summary of key accomplishments and activity for each quarter of FY24. Links to individual quarterly reports are included in each section for full details of work tasks and activity. Please reference the [FY 2024 UPWP](#) for details concerning the approved budget and work description for each task.

Table 1 identifies all the tasks in the UPWP and the associated budget and summarizes overall federal and local revenues budgeted by PlanRVA in FY24 to support the work of RRTPO. Federal funds budgeted constitute 80 percent of the total; State and local matching funds constitute 20 percent, unless otherwise noted.

TABLE 1. SUMMARY OF FY 2024 RRTPO UPWP BUDGET

Work Task	RRTPO Budget				
	PL	5303	CO 5303	OTHER (1)	GRAND TOTAL
7110 MPO Program Management	\$284,000	\$71,000	\$ -	\$ -	\$355,000
7120 UPWP Budget & Contract Admin.	\$62,400	\$15,600	\$ -	\$ -	\$78,000
7210 Public Outreach/Equity Analysis	\$198,800	\$ 49,700	\$ -	\$ -	\$248,500
7220 Special Planning Efforts	\$260,000	\$65,000	\$ -	\$ -	\$325,000
7230 Contingency Funding	\$ -	\$ -	\$ -	\$ -	\$ -
7310 Long Range Transp Planning	\$166,500	\$ -	\$ -	\$ -	\$166,500
7315 Scenario Planning	\$252,991	\$63,009		\$ 400,000	\$716,000
7320 Travel Demand Model	\$51,039	\$23,948	\$ 342,411	\$ -	\$417,398
7330 Transit	\$ -	\$258,000	\$ 100,000	\$ -	\$358,000
7340 Act Transp-Bike/Ped	\$205,000	\$ -	\$ -	\$ -	\$205,000
7350 System Resiliency	\$260,000	\$ -	\$ -	\$ -	\$260,000
7410 Perf Based Transp Planning	\$40,000	\$40,000	\$ -	\$ -	\$80,000
7420 Financial Program / TIP	\$140,631	\$63,369	\$ -	\$ -	\$204,000
7430 Rail & Freight	\$9,500	\$9,500	\$ -	\$ -	\$19,000
TOTAL (\$)	\$1,930,861	\$659,126	\$442,411	\$400,000	\$3,432,398

(1) 7320 and 7330 funds are direct carryover from FY23. 7315 are RSTBG funds for travel demand model development.

Program Management

7100	BUDGET	Total Funds Expended	% Total Funds Expended	UPWP Page
Program Management	433,000	326,293	91.9%	13

Public Outreach & Equity Analysis

7210	BUDGET	Total Funds Expended	% Total Funds Expended	UPWP Page
Public Outreach & Equity Analysis	248,500	248,843	100%	13

Special Planning Efforts

7220	BUDGET	Total Funds Expended	% Total Funds Expended	UPWP Page
Special Planning Efforts	325,000	312,221	96%	20

Contingency Funding

7230	BUDGET	Total Funds Expended	% Total Funds Expended	UPWP Page
Contingency Funding	0	0	0	18

Long-Range Transportation Plan

7310	BUDGET	Total Funds Expended	% Total Funds Expended	UPWP Page
L RTP	166,500	166,407	99.9%	19

Scenario Planning

7315	BUDGET	Total Funds Expended	% Total Funds Expended	UPWP Page
Scenario Planning	316,000	316,207	101%	20

Travel Demand Model (RTDM)

7320	BUDGET	Total Funds Expended	% Total Funds Expended	UPWP Page
RTDM	74,987	62,389	83%	21

Transit

7330	BUDGET	Total Funds Expended	% Total Funds Expended	UPWP Page
Transit	258,000	236,322	92%	22

Active Transportation: Bicycle and Pedestrian

7340	BUDGET	Total Funds Expended	% Total Funds Expended	UPWP Page
Active Transportation	205,000	204,963	99.9%	23

Systems Resilience Plan

7350	BUDGET	Total Funds Expended	% Total Funds Expended	UPWP Page
Systems Resil. Plan	260,000	189,969	73%	24

Performance Based Transportation Planning

7410	BUDGET	Total Funds Expended	% Total Funds Expended	UPWP Page
Perf. Based Transp. Planning.	80,000	62,391	78%	25

Transportation Improvement Program (TIP)

7420	BUDGET	Total Funds Expended	% Total Funds Expended	UPWP Page
TIP	204,000	184,349	90%	26

Rail, Freight, Intermodal Planning

7430	BUDGET	Total Funds Expended	% Total Funds Expended	UPWP Page
Rail, Freight, Interim. Planning.	19,000	753	4%	27

FY24 First Quarter Activity

FY24 First Quarter Report

- Prepared framework for the Community Transportation Advisory Committee (CTAC) to have an expanded community engagement role; developed plan for CTAC to work with the Community Engagement Manager as one of the agency's primary drivers for public engagement, starting with the revision/update of the Public Engagement Plan in 2024.
- Created Marketing analytic charts for the RRTPO engagement report.
- Jointly hosted with Chesterfield County the quarterly gathering of the localities' planning directors to exchange ideas on a variety of planning topics, including Short Term Rental regulations, major project updates, solar siting agreements, etc.
- Continue to track and assess applicability of Federal and State competitive grant programs for infrastructure improvements.
- Assist Charles City County with the kick-off of the Route 106 corridor study with VDOT.
- Responded to a request from Hanover County related to "jake" braking and researched possible authority for a locality or VDOT/DMV to regulate.
- Produced several maps of the Route 106 Corridor for Charles City County. They included the following information:
 - 2,000-foot corridor buffer over aerial photography
 - parcels along Route 106 within the buffer
 - parcels at least 11 acres in size fronting Route 106
 - parcels in the corridor under consideration for rezoning
- Continued work with BizSense about collaboration on development project mapping for applications in other program areas like scenario planning, the travel demand model, transit planning, active transportation, resilience, intermodal planning, and the long-range transportation plan.
- Coordinated with Tri-Cities Area MPO (TCAMPO) and VDOT to adjust the Richmond/Tri-Cities Metropolitan Planning Area (MPA) boundary because of the changes in Census Block geography from Census 2010 to Census 2020. This will be reviewed at the TAC meeting in October.
- Coordinated with New Kent County and VDOT on a proposed CLRP amendment to add the Rt 106 interchange improvements project and remove several other projects. This approval is necessary for IAR approval. The amendment will be reviewed at the TAC meeting in October.
- Reviewed existing LRTP document scope in preparation for upcoming update process.
- Facilitated Scenario Planning Advisory Committee (SPAC) meeting.
- Assisted with an environmental screening for the Richmond to Raleigh higher speed rail project completed by the Virginia Passenger Rail Authority (VPRA) and NC DOT for updates/changes since the 2015 Environmental Impact Statement.
- Updated the summary of regional transportation services and providers to include adjacent providers such as Virginia Regional Transit and Williamsburg Area Transit Authority.

- Presented draft report for West Broad Street BRT Analysis to RRTPO Policy Board
- Continued role with CVTA Fall Line Work Group, assisting in the CVTA Wayfinding plan, coordinating with the contractor to complete a checklist of needed tasks as part of the planning process.
- Met with local partners to continue discussion of potential long-term plan for maintenance and management of Fall Line.
Assisted with a mobility audit of Petersburg neighborhoods with regional partners that included a tour of the Appomattox River Trail and potential Fall Line destinations.
- Assisted the Virginia State Office of Trails with a public survey in advance of the Statewide Trails plan.
Interview for [Axios article about the spread of e-bike incentive programs](#) nationwide in connection with the [E-Bike Incentive Project](#).
- Updates on projects contributing to the regional Active Transportation network continue to be made to the [BikePedRVA 2045 Information Hub](#).
- Assisted the VDOT Statewide Bicycle and Pedestrian planner to hold the quarterly Bicycle and Pedestrian Advisory Committee meeting at the PlanRVA offices on July 25. There were 35 in-person attendees and approximately that many more online.
- Participated in a mobility audit of Petersburg neighborhoods with regional partners that included a tour of the Appomattox River Trail and potential Fall Line destinations.
- Staff scheduled more meetings with historians to record segments of oral history of the Ashland Trolley Line.
- DOF Urban Heat Mapping project – preliminary results were generated in Google Earth Engine. Daytime Surface Temperature analysis was completed. Maps were generated that show average warm-month, daytime surface temperatures across the entire region for every year from 2014-2022; a combined 5-year average from 2017-2022; and a delta temperature change between 2014 and 2022. Work began on nighttime temperature analysis. Nighttime temperature analysis began, utilizing Python and data from ISS ECOSTRESS. Data collection for Phase II (InVEST model analysis) began.
- SHSP Critical Infrastructure Mapping – began and continued literature review and initial data scoping
- Homeward Partnership – Conducted the second deployment of GIS tools for the July Point-In-Time Count, through our piloted partnership with Homeward. Built a new survey and Esri Dashboard, and trained all PIT volunteers on using the tools. We were able to expand the functionality of the GIS tools provided this time, which enabled the Daily Planet to track, in real-time, individuals marked as in need of medical attention by the field surveyor, and to deploy their medical response team to the exact location of the individual immediately.
- Climate Pollution Reduction Grant - awarded the full \$1 Million grant.
- Prepared a funding application for a Regional Catastrophic Preparedness Grant (RCPG) to plan for a network of climate hubs and associated catastrophic emergency care in the Richmond MSA. The plan will be created in partnership with the Emergency Management Alliance of Central Virginia and the Greater Richmond Continuum of Care.

- Pluvial Flooding Modeling – the DEVELOP Team completed their pluvial flooding project and presented their findings at Langley Research Center. The project was also chosen as a highlight project for DEVELOP Day. PlanRVA’s Resilience Planner co-presented the project at NASA HQ in Washington, DC.
- Completed development of a Pillars of Resilience handout for public education about PlanRVA’s Resilience Work.
- Prepared and submitted two FY24 – FY27 TIP amendments, which were approved by the Policy Board.
- Presented draft project list for illustrative projects section to be added to FY24 – FY27 TIP.
- Coordinated with FHWA/VDOT to review Reconnecting Jackson Ward planning grant; determined project must be reflected in the UPWP, not the TIP. Prepared UPWP amendment to add an appendix for the Reconnecting Jackson Ward planning grant based on coordination with VDOT and FHWA
- Reviewed 19 Transportation Alternatives pre-applications for consistency with regional planning and prepared a resolution of endorsement.
- Researched Carbon Reduction Program (CRP) policies of peer agencies nationally to develop recommendation for program implementation and prepared recommendation for August TAC meeting; revised Regional Funding Framework to incorporate recommended TAC revisions to include Carbon Reduction Program (CRP).
- Developed draft FY25 – FY30 regional funding schedule; coordinated with CVTA and Smart Scale schedules to ensure tentative funding recommendations for both programs are available for Smart Scale pre-application window
- Reviewed 20 Transportation Alternatives pre-applications for consistency with regional planning.

FY24 Second Quarter Activity

FY24 Second Quarter Report

- Continued work with the Community Transportation Advisory Committee (CTAC) to further its newly expanded community engagement role; specifically, the group began draft of public engagement plan.
- Facilitated meeting of the clerks, liaisons and administrative assistants in the region (Regional Clerks Group) for improved communication and knowledge of RRTPO and its programs.
- Continued work with the Community Transportation Advisory Committee (CTAC) to further its newly expanded community engagement role; specifically, the group began draft of public engagement plan.
- Planned and facilitated Newly Elected Officials Welcome Reception for all current RRTPO Policy Board members as well as newly elected officials to the localities and state elected officials.
- Completed work with BizSense to collaborate on development project mapping for applications in other program areas like scenario planning, the travel demand model, transit planning, active transportation, resilience, intermodal planning, and the long-range transportation plan.
- Continued development of Transit Program performance measures.
- Continued development of [Transit-Oriented Development Tracker Map](#).
- Provided the RTC Model outputs for the consultants (WSP USA, Inc) for Richmond Project Pipeline Studies, round two.
- Worked with GRTC to prepare a FTA funding request to prepare a Transit Development Oriented (TOD) plan for the 2.5 mile segment of Chamberlayne Avenue from Lombardy to Azalea Avenue.
- Continued role with CVTA Fall Line Work Group, assisting in the CVTA Wayfinding plan, coordinating with the contractor to complete a checklist of needed tasks as part of the planning process.
- Continued redesign of website for BikePedRVA regional bicycle and pedestrian plan, [BikePedRVA.org](#). New updates on projects contributing to the regional Active Transportation network are also expected to be made to the new BikePedRVA 2045 Information Hub.
- Assisted the City of Richmond and VHB with the Chamberlayne Avenue Road Safety Assessment.
- Met with Henrico County Board of Supervisors representative for the Fairfield District to interview him about the Ashland Trolley Line.
- Assisted with an environmental screening for the Richmond to Raleigh higher speed rail project completed by the Virginia Passenger Rail Authority (VPRA) and NC DOT for updates/changes since the 2015 Environmental Impact Statement.
- Developed and presented a draft definition of “Critical Infrastructure,” based on findings from the literature review and stakeholder feedback, to the Emergency Managers and other stakeholders. A survey was distributed to collect responses.
- The Critical Infrastructure Atlas on ArcOnline was set up to house the data

- Began data collection from readily available sources.
- Reviewed proposed statewide safety target for 2024. Conducted research on best practices from FHWA and prepared alternatives for TAC discussion.
- Reviewed, updated, and mapped for the current round of projects being considered for flexible funding for scoring
- Published FY23 Annual Obligations Report for the FY21 – FY24 TIP.
- Prepared and submitted eleven FY24 – FY27 TIP amendments, which were approved by the Policy Board.
- Prepared illustrative projects section for addition to FY24 – FY27 TIP; received Policy Board approval.

FY24 Third Quarter Activity

[FY24 Third Quarter Report](#)

- Published draft Public Engagement Plan and posted for public comment.
- Worked with developer to prepare to launch Social Pinpoint engagement tool for community engagement for the Long-Range Transportation Plan.
- Filled Grants Specialist position to help the agency and localities seek and manage federal and state infrastructure grants to support various projects.
- Worked on the creation of Natural Language Processing (NLP) Text Analysis tool that will be used in analyzing survey responses for LRTP.
- Facilitated Scenario Planning Advisory Committee (SPAC) meeting.
- Continued developing project website for the [Pathways to the Future](#).
- Developed Rural Transportation Needs and Alternatives Analysis project scope and schedule.
- Developed Transit Program website.
- Performed RTC model-runs to calculate the performance measures for the submitted projects for the annual Regional Project prioritization process to allocate RSTBG/CMAQ regional funds.
- Worked with GRTC to prepare an FTA funding request to prepare a Transit Development Oriented (TOD) plan for the 2.5 mile segment of Chamberlayne Avenue from Lombardy to Azalea Avenue (application submitted Oct 10).
- Continued role with CVTA Fall Line Work Group, assisting in the CVTA Wayfinding plan, coordinating with the contractor to complete a checklist of needed tasks as part of the planning process.
- Assisted in review and editing of the draft for Sportsbackers' Fall Line Vision Plan.
- Assisted in NEPA Review for the proposed Powhite Parkway Extension in Chesterfield County.
- Provided assistance for an environmental screening for the Richmond to Raleigh higher speed rail project completed by the Virginia Passenger Rail Authority (VPR) and NC DOT for updates/changes since the 2015 Environmental Impact Statement.
- Provided assistance to the Virginia State Office of Trails with a public survey in advance of the Statewide Trails plan.
Completed a draft of a Task Order for consultant support on CPRG outreach to the general public, and targeted outreach to LIDACs.
- Received and evaluated three proposals for the CPRG Outreach support Task Order.
- Reviewed RFP responses and contract between Metro Washington Council of Governments (MWCOG) and their CPRG consultant – ICF. Inc. After review, opted to utilize the MWCOG contract for analytical CPRG support from ICF. Met with ICF staff and began developing a unique SOW and contract with them.
- Presented at the November EPA Region 3 Regional Tribal Operations Committee (RTOC) meeting about the CPRG effort and identified an RTOC designee for the CPRG Steering Committee.
- Resilience Planner was a featured panelist at the Henrico Climate Solutions Town Hall Event at Varina Library.

- Presented at the November EPA Region 3 Regional Tribal Operations Committee (RTOC) meeting about the CPRG effort and invited the RTOC to designate a representative for the CPRG Steering Committee. An interested party was identified.
- Facilitated meeting of the Steering Committee for discussion on the plan of work from PlanRVA, ICF, and Hodges/Florican. Through an interactive process, locality staff were able to submit reduction measure ideas, which were captured for evaluation by PlanRVA and ICF.
- Achieved Bronze designation in the SolSmart program.
- Facilitated a half-day Solar Workshop, featuring expert speakers from DOE, the Weldon Cooper Center, WRI, and Louisa County.
- Launched Solar Suitability GIS tool for locality staff and developers to use when planning for and evaluating siting proposals for large scale solar projects.
- Published a new Solar landing page on the PlanRVA website This page is a library of information for consumers, developers, and locality staff. It provides resources for consumers, planners, and developers including zoning and regulation information, best practices, data and mapping tools (including the Solar Suitability Tool), job/workforce development information, financing information, and more.
- Prepared FY24 safety performance targets for Policy Board approval.
- Completed scoring and ranking the current round of projects being considered for flexible funding
- Prepared and submitted three FY24 – FY27 amendments, which were approved by the Policy Board.
- Developed draft project list for Smart Scale Round 6. Prepared readiness, CLRP consistency, and VTRANS needs review report.

FY24 Fourth Quarter Activity

FY24 Fourth Quarter Report

- Continued work with the Community Transportation Advisory Committee (CTAC) to further its newly expanded community engagement role; specifically, engaged group in activity to help members identify individuals and groups in their community, agency or organization to engage.
- Developed an RFP for Professional and Non-Professional Services to be issued in April to secure a bench of on-call firms to assist as necessary on a variety of transportation, planning, and environmental projects; bench will be available to PlanRVA localities, CVTA, RRTPO, EMACV, and FOLAR.
- Facilitated meeting of the clerks, liaisons and administrative assistants in the region (Regional Clerks Group) for improved communication and knowledge of RRTPO and its programs.
- Began data collection and map drafting for the Structural Inventory Report Update.
- Finalized the 2050 LRTP Process-Flow.
- Initial work on the development of the 2050 LRTP scope of work.
- Formed internal, cross-functional staff team – the LRTP Core Group, responsible for the development of the LRTP.
- Finalized scenario planning performance indices of the scenarios and the dashboard for public consumption.
- Finalized draft scenario planning Process Documentation Report.
- Scenario planning public survey published, which included a scenario matchmaking exercise, and collected feedback on how policy and investment choices could shape the future of the Richmond region; the webpage had more than 1,200 views.
- Facilitated the P2F - Second Charrette; participants provided feedback on the policy and investment pathways that they believe will best create a better Richmond Region.
- Facilitated sixth and final Scenario Planning Advisory Committee (SPAC) meeting.
- Continued developing project website for the [Pathways to the Future](#).
- Developed Rural Transportation Needs and Alternatives Analysis project scope and schedule
- Developed Transit Program website
- Continued development of Transit Program performance measures
- Continued development of [Transit-Oriented Development Tracker Map](#)
- Continued role with CVTA Fall Line Work Group, assisting in the CVTA Wayfinding plan, coordinating with the contractor to complete a checklist of needed tasks as part of the planning process.
- Revamped and updated the Fall Line website with current funding allocations for each section of the planned trail.
- Continued to work on applications for funding sections of Fall Line via Climate Pollution Reduction Grants.
- Continued redesign and updates of GIS for the website for BikePedRVA regional bicycle and pedestrian plan, [BikePedRVA.org](#). New posts about projects contributing

to the regional Active Transportation network are also expected to be continuously updated on the BikePedRVA 2045 Information Hub.

- Development of the [E-Bike Incentive Project website](#) with associated data collection and mapping.
- Completed shade layer for the region for the DOF Urban Heat Mapping project
- Submitted CPRG Implementation Grant application, seeking \$187,000,000 to complete gaps in the Fall Line Trail and construct 2 spur trails.
- Formed and convened six sector-related workgroups. Groups met for and began identifying barriers and challenges to greening their sector and reducing emissions.
- Awarded the USDOE Energy Futures Grant (EFG) to help create a plan for an Energy Savings Action Hub in the Richmond Region.
- Convened the Steering Committee for the USDOE Energy Futures Grant (EFG) project, hereafter referred to as the Energy Savings Action Hub
- Began work on the CMP update, reviewed data in order to update it in compliance with federal regulations
- Prepared and submitted one FY24 – FY27 TIP amendment, which was approved by the Policy Board.
- Coordinated with locality sponsors and VDOT/DRPT to facilitate screening and review of RRTPO & PlanRVA pre-applications for SMART SCALE
- Policy board approved new projects for regional funding; Coordinated with VDOT on final allocations plan for flexible regional funding (STBG/CMAQ/CRP)
- Finalized RSTP/CMAQ/CRP allocations for FY25 – FY30 SYIP in coordination with Richmond District.