



Fiscal Year 2022 ANNUAL WORK PLAN

(Unified Planning Work Program - UPWP)

Draft April 27, 2021

Chittenden County
Regional Planning Commission

July 1, 2021 – June 30, 2022



CHITTENDEN COUNTY RPC
Communities Planning Together

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Introduction and Purpose of the UPWP

This document, the *Fiscal Year 2022 Annual Work Plan (Unified Planning Work Program)* (FY 2022 UPWP) defines the regionally agreed upon transportation and land use planning priorities and the roles and responsibilities of various participants in the planning process for Chittenden County. The work elements described are to be accomplished during the period between July 1, 2021 and June 30, 2022. The following sections provide an overview of the Chittenden County Regional Planning Commission (CCRPC) and describe how all the municipalities, agencies, partners, stakeholders, and other interests involved in the activities of CCRPC work together in a comprehensive, continuing, and cooperative process to meet critical transportation and land use needs of Chittenden County.

Introduction to Land Use Planning

The CCRPC is one of Vermont's 11 State designated Regional Planning Commissions (RPCs). CCRPC was created by its member municipalities in 1966, approved by the Vermont Agency of Commerce and Community Development specifically to undertake regional planning, and by statute are considered municipalities.

In Vermont, planning is performed collaboratively by the State, RPCs, and municipalities. Laws define how this collaboration is to work, specifying different responsibilities for each level of government. This means that the regional planning undertaken by each RPC is intended to be different from the planning undertaken by municipalities and the State.

Regional planning performed by RPCs is at an intermediate level between the local planning performed by municipalities and the general statewide planning performed by the State. Consequently, it makes sense that the regional planning responsibilities of RPCs are intended primarily to promote the coordination and collaboration of planning activities, both between each RPC's member municipalities and between those municipalities and the State.

The State calls upon each RPC to fulfill the following duties:

- ✦ Promote the mutual cooperation of the RPC's member municipalities and cooperate with neighboring states, regions, counties, and municipalities;
- ✦ Assist and advise municipalities in the preparation of plans, studies, and Bylaws regarding the appropriate development and use of the region's physical and human resources;
- ✦ Prepare a regional plan at least every eight years;

- ✦ Review proposed State capital expenditures for compatibility with the RPC's regional plan and assist municipalities in assessing compatibility with municipal plans;
- ✦ Appear before District Environmental Commissions to aid in *Act-250* reviews of proposed developments and appear before the Public Service Board to aid in *Section-248* reviews of proposed utilities; and
- ✦ Confirm municipal planning programs and approve municipal plans.

In order to fulfill these responsibilities, the State empowers each RPC to exercise certain powers:

- ✦ Prepare studies, plans, and recommendations on a broad set of issues;
- ✦ Retain staff and consultant assistance, enter upon land with the prior approval of the owner to make examinations and surveys, hold public hearings, and require municipalities and the State to provide information;
- ✦ Carry out, with the cooperation of member municipalities, programs for the appropriate development and use of the region's physical and human resources; and
- ✦ Perform other acts or functions that the RPC deems to be necessary or appropriate.

ECOS Regional Plan

The regional plan for Chittenden County must be updated on a five-year cycle to comply with federal Department of Transportation and Economic Development Administration regulations governing the Metropolitan Transportation Plan (MTP) and Comprehensive Economic Development Strategy (CEDS) which are encompassed in the regional plan. The 2018 ECOS Regional Plan was adopted by the CCRPC Board of Directors on June 20, 2018. The ECOS Regional Plan lays out four broad goals and eight strategies for the region:

Broad Goals

1. **Natural Systems** – Design and maintain a strategically planned and managed green infrastructure network composed of natural lands, working landscapes, and open spaces that conserve ecosystem values and functions, and provide associated benefits to our community.
2. **Social Community** – Promote the skills, resources, and assurances needed for all community members to participate in the workforce and in their family, civic and cultural lives, within and among their neighborhoods, and in the larger community.
3. **Economic Infrastructure** – Build the region's capacity for shared and sustainable improvements in the economic wellbeing of the community through support of both local and globally competitive initiatives.
4. **Built Environment** – Make public and private investments in the built environment to minimize environmental impact, maximize financial efficiency, optimize social equity and benefits, and improve public health.

High Priority Strategies

1. Improve and strengthen the economic systems of our region to increase opportunities for Vermont employers and employees.
 2. Strive for 80% of new development in areas planned for growth, which amounts to 15% of our land area.
 3. Improve the safety, water quality, and habitat of our rivers, streams, wetlands and lakes in each watershed.
 4. Increase investment in and decrease subdivision of working lands and significant habitats and support local food systems.
 5. Increase opportunity for every person in our community to achieve optimal health and personal safety.
 6. Equip our residents with the education and skills that they need to thrive.
 7. Develop financing and governance systems to make the most efficient use of taxpayer dollars and reduce costs.
 8. Ensure that the projects and actions in all ECOS strategies assess equity impacts, and that the design and development of programs are inclusive of all and engage underrepresented populations.
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Introduction to Transportation Planning

The CCRPC also serves as the sole Metropolitan Planning Organization (MPO) operating within Vermont. MPOs are federally mandated and funded transportation planning and policy organizations that are governed by representatives from local governments and governmental transportation authorities. They were created to ensure regional cooperation in transportation planning for any urbanized area with a population greater than 50,000. Federal funding for transportation projects and programs is channeled through this planning process to ensure that existing and future expenditures of governmental funds for transportation projects and programs are based on a continuing, cooperative, and comprehensive (“3-C”) planning process.

As the MPO for the region, the CCRPC is required to prepare and update a number of planning documents that detail the investments and planning activities that will help improve the transportation system within the MPO Planning Area. They include:

- ▶ A Unified Planning Work Program (UPWP)
- ▶ A Metropolitan Transportation Plan (MTP)
- ▶ A Transportation Improvement Program (TIP)

The CCRPC is also responsible for providing transportation planning assistance to its member municipalities, other partners, and to the Vermont Agency of Transportation (VTrans).

Metropolitan Planning Area

The CCRPC metropolitan planning area consists of the 19 Chittenden County municipalities. In the year 2010, the population of the County was 156,545. The land area is 539 square miles. Chittenden County is currently defined as being in “attainment” for air quality under the Clean Air Act Amendments of 1990 (CAAA).

Unified Planning Work Program

The CCRPC’s Unified Planning Work Program (UPWP) serves as the annual work plan for local and regional transportation projects and other planning activities. Each fiscal year (July 1 to June 30), the CCRPC prepares a UPWP that describes our numerous programs and identifies the transportation, land use and other planning activities and projects that the CCRPC is engaged in collaboration with its member municipalities and other state and regional partners and agencies. The UPWP also serves as a management tool, including each task’s staff manager, deadline, budget, and funding sources.

The process for developing the annual UPWP includes a careful consideration of critical transportation and land use issues facing the region and the analytical capabilities necessary to address them. This assessment is tied to the 2018 ECOS Regional Plan goals which encompass the Metropolitan Transportation Plan (MTP) for the region. Opportunities for public comment on the draft UPWP are available between January and May of each year, with a final public hearing in May prior to Board adoption of the UPWP.

Metropolitan Transportation Plan

The Metropolitan Transportation Plan (MTP) is the region’s principal transportation planning document that sets regional transportation priorities. The MTP must have a minimum 20-year time horizon and consider needs and issues across all transportation modes. It consists of short- and long-range strategies to address transportation needs that lead to the development of an integrated, inter-modal transportation system that facilitates the efficient movement of people and goods. As mandated by federal regulations, the MTP must both articulate and work towards the region’s comprehensive long-range land use plans, development objectives, and overall social, economic, environmental, system performance and energy conservation goals and objectives. It should also be consistent with the statewide long-range transportation plan.

Federal law requires the MTP to address ten metropolitan planning factors to ensure the federal funds spent on the region’s transportation system also address national level goals for transportation. The MTP must also be fiscally constrained, which means the projected capital and operating costs associated with all the transportation projects and programmatic actions in the MTP cannot exceed the projected level of financial resources available during the life cycle of the MTP. In addition, the CCRPC is required to make special efforts to engage all interested parties in its development.

Transportation Improvement Program

The Transportation Improvement Program (TIP) implements the MTP through a prioritized and fiscally constrained four-year program of federally funded projects in Chittenden County. The TIP is updated on an annual basis and submitted for state and federal approval by the end of July.

The TIP includes the anticipated timing and costs for transportation projects in Chittenden County from planning through construction. Federal law requires the TIP to be fiscally constrained. In addition, documentation of private enterprise participation and financial capacity (as required for FTA Sections 3 and 9 programs) are included in the TIP. Projects in the TIP must be prioritized and adhere to project selection criteria established by the CCRPC. Finally, the TIP development process must give the public ample opportunities to review and comment in a constructive manner prior to document finalization.

Transportation Funding

The CCRPC receives funding for regional transportation planning from several sources, but there are only two primary sources. Annually, the federal government, through the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA), provides about 80% of the CCRPC's transportation funding. Under federal law, these funds must generally be matched by the recipient at a ratio of 80% federal and 20% non-federal. A Memorandum of Understanding (MOU) between the CCRPC, VTrans, and the Chittenden County Transportation Authority (dba GMT) includes guidance as to which agency provides the local match for various funding sources and work types. The responsibility for the non-federal matching funds for both FHWA and FTA funds is shared evenly between the CCRPC member municipalities and VTrans at 10% each. GMT provides 10% match for funding passed through to them. Local jurisdictions are annually assessed for the CCRPC share of the 10% of the non-federal match. VTrans or the local governments may provide additional matching funds to leverage federal funds for certain specific planning projects. Infrequently, matching funds may also include the value of "in-kind" labor donated by volunteers and municipal staff in support of specific UPWP tasks.

Title VI, Environmental Justice, and Limited-English Proficiency (LEP)

Planning must be done with the involvement and for the benefit of all the region's residents. The CCRPC is guided by federal Title VI (Civil Rights Act of 1964, As Amended) and environmental justice (EJ) mandates, and we strive to not only meet these mandates, but to create an overall transparent, inclusive planning process where Title VI, EJ, and LEP are integrated into all of our United States Department of Transportation (USDOT) federally funded programs and plans and is a guide for our public participation efforts.

Title VI of the Civil Rights Act of 1964, As Amended, states that "no person in the United States, shall, on the grounds of race, color, or national origin be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance." The Civil Rights Act of 1964, As Amended, has added sex (23 United States Code 324), age (Age Discrimination Act of 1975), and disability (Americans With Disabilities Act of 1990).

Federal Executive Order #12898 (*Federal Actions To Address Environmental Justice in Minority Populations and Low-Income Populations*) defines environmental justice as, "*the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies.*" President Clinton issued Executive Order 12898 on February 11, 1994, which reinforces the importance of fundamental rights and legal requirements contained in Title VI and the National Environmental Policy Act and introduces low-income populations as an emphasis area (when addressing socio-economic concerns). Fair treatment means that no group of people, including a racial, ethnic, or socioeconomic group, should bear a disproportionate share of the negative environmental consequences resulting from industrial, municipal, and commercial operations or the execution of federal, state, local, and tribal programs and policies. Recipients (such as Agency of Transportation, Metropolitan Planning Organizations, etc.) must identify EJ populations (EJ Mapping) and define a process to ensure that EJ populations participate in the Planning Process.

Federal Executive Order #13166 (*Improving Access to Services for Persons with Limited English Proficiency*) defines LEP as "*ensuring that recipients of Federal financial assistance (recipients) provide meaningful access to their LEP applicants and beneficiaries.*" Recipients must identify LEP populations (LEP Mapping) and define a process to allow for reasonable accommodation of LEP persons and populations in the Planning Process.

The CCRPC recognizes the importance of including all populations in our work and strives to meet the requirements outlined in legal statute for the benefit of all residents. More information on Title VI, EJ, and LEP is available in the 2014 Public Participation Plan.

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Draft Fiscal Year 2022 Annual Work Plan

(Unified Planning Work Program - UPWP)

Legend:

Existing Project May be Completed Before/By FY22	
New Land Use Project/Funds	
New Transportation Project/Funds	
Pending or General Question	
Red Text Indicates Discrete Changes to Project Title/Description/Deliverable	

	AD	AE	AF	AG	AH	AI	AJ	AK	AM	BC	BD	BJ	BK	BL	BM	BN	BO	BP
Draft FY2022 Unified Planning Work Program - April 29, 2021																		
	TRANSPORTATION PROGRAM										CARRY OVER	PLANNING PROGRAM						GRAND TOTAL
Task #	Trans. Related staff cost	Planning Related staff costs	Trans. Consultants Regionally Matched	Funding Source	Consultant Costs Match with Local Funding	GMT	Trans. Direct Expense	inkind	TOTAL NEW Transportation BUDGET FY21	Total Carryover from FY21	Fed/State/Muni Contract - Staff Costs	ACCD - Staff Costs	Muni - Staff Costs	Muni Contribution	Planning Direct Costs	Total Planning FY21	GRAND TOTAL	
1.0																		
1.1																		
1.1.3		\$ 4,378		EPA					\$ -		\$2,434	\$1,943			\$5,000	\$9,378	\$9,378	
1.1.4		\$ 4,378		EPA					\$ -		\$2,434	\$1,943			\$15,000	\$19,378	\$19,378	
1.2																		
1.2.1	\$ 5,721	\$ -		PL				\$ -	\$ 5,721								\$5,721	
1.3																		
1.3.1		\$ 38,387		EDA							\$30,402	\$7,984			\$123,850	\$162,237	\$162,237	
2.0																		
2.1																		
2.1.1		\$ 15,660		ACCD					\$ -			\$15,660				\$15,660	\$15,660	
2.1.3		\$ 48,112		ACCD					\$ -			\$48,112				\$48,112	\$48,112	
2.1.3.22		\$ 5,173		MUNI							\$0	\$5,173				\$5,173	\$5,173	
2.1.3.26		\$ 2,979		MUNI							\$ 1,800	\$1,179				\$2,979	\$2,979	
2.1.3.27		\$ 23,166		MUNI							\$ 10,000	\$13,166				\$23,166	\$23,166	
2.1.3.28		\$ 15,062		MUNI							\$ 11,000	\$4,062				\$15,062	\$15,062	
2.1.3.29		\$ 34,705		MUNI							\$ 21,000	\$13,705				\$34,705	\$34,705	
2.1.3.32		\$ 15,062		MUNI							\$ 3,000	\$12,062				\$15,062	\$15,062	

	A	B	C	D	E	F	G	I	AC
	Task #	Task Name	Municipality or Partner Agency	Staff Lead	Staff Support	Task Description	Task Deliverable(s)	End Month/Year	TOTAL \$ CCRPC Staff
3									
64	2.3.7.6	South Burlington Bike/Ped Mapping Phase II	South Burlington	Chris	Pam	The City & CCRPC recently completed a mapping inventory of the city's bicycle path segments, including type, side of the street, and location of existing & anticipated connections. Phase II of this project would add data fields and catalogue existing conditions in preparation for future infrastructure improvement projects. Specifically, data fields and field assessment of bridge condition, recreation pathwidth and condition, and street/path integration would be collected.	Addition of data fields to the GIS mapping completed this past year and field assessment of condition of recreation path bridges and recreation path segments, including width of paths and wooden bridge condition.	6/22	\$ 5,297
65	2.3.7.7	Shelburne Bicycling and Pedestrian Connectivity Study	Shelburne	Jason	Marshall, Pam, Bryan	The Town of Shelburne seeks CCRPC and consultant assistance preparing a Bicycling and Pedestrian Connectivity Study. The study would 1) identify community goals and problems associated with bicycling/pedestrian connectivity, 2) generate, evaluate, and prioritize alternative solutions, and 3) propose a plan for implementation, including a town wide map and conceptual project schedule.	An implementable plan to improve bike and ped connectivity in Shelburne.	6/22	\$ 21,136
66	2.3.7.8	Pilot Mobility Audit - Old North End	Old Spokes Home	Bryan	Jason	Complete a neighborhood mobility audit to identify transportation investments that will improve pedestrian, bicycle, and transit access for traditionally underserved residents within Burlington's Old North End (ONE) to area jobs and essential services. This effort will be based on the methodology used in the Livable Polk Initiative of the Polk Transportation Planning Organization (FL) to establish a unified approach for analyzing access to essential services and create indices to assist in the evaluation of each neighborhood's overall mobility, including the assessment of opportunities to walk, bike, or take transit and gaps and barriers that may hinder walking, biking, or accessing transit. The project will include surveys/interviews/focus groups with traditionally underserved populations in the ONE to understand their specific experiences, needs and barriers.	The project's outcome will be to recommend strategies to enhance walking, biking, and transit connections to area jobs and essential services (e.g., shopping, educational centers, medical care facilities, etc.) at a neighborhood level, as well as suggestions on how to involve and engage traditionally underserved populations in planning projects.	6/21	\$ 2,004
67	2.3.7.9	CCRPC Bicycle Count Program Evaluation and Data Analysis	UVM TRC	Bryan	Chris, Jason, Marshall	This is a collaborative project between the UVM TRC and the CCRPC. This project will: 1) determine the progress that has been made on the Active Transportation Plan since its adoption in 2017 and update the priority recommendation; and 2) develop a comprehensive bicycle count program for the CCRPC that over time will assist in bicycle planning in the future.	1) Updated 2017 Active Transportation Plan priority recommendations. 2) CCRPC bicycle count program.	6/21	\$ -
68	2.3.7.10	Update of the Chittenden County Active Trans Plan & Close the Gaps in Bike Facilities	Regional	Bryan	Marshall, Pam	Update existing Active Transportation Plan and continue to work with stakeholders to identify off-road links to close the existing gaps with the on-road system.	Updated Active Transportation Plan	6/22	\$ 26,064
69	2.3.7.11	VT15 Corridor Pedestrian and Road System Study	Essex	Christine	Melanie	This project is a one-year scoping/planning study from the westernmost Circ Highway Intersection on VT15 to Essex Way with an expanded speed limit investigation from that area to the proposed new traffic signal location at VT15/Sand Hill Road.	Multimodal corridor plan for a segment of VT15 in Essex	6/22	\$ 17,375
70	2.3.7.12	Kimball Ave Path Feasibility Study for Crossing of Potash Brook	South Burlington	Christine	Chris	Feasibility study of extending the Kimball Ave recreation path west at crossing of the Potash Brook, where it would meet with planned future path segment west to Old Farm Road and Kennedy Drive.	Final report with preferred alignment of the shared use path.	6/22	\$ 18,441
71	2.3.9	Intermodal Transportation Planning (Air, Rail, Ferry, Park and Ride, Freight)	Regional	Eleni	Marshall, Charlie	Coordinate intermodal transportation planning in the county, including surface transportation connections for passengers and freight to air, rail, ferry, and park and ride facilities.	1) Facilitation of and participation in state and regional intermodal planning activities, including: Rail, Park & Ride and Freight projects/initiatives; 2) Coordination with the Burlington International Airport; 3) Participate in the development of the State Freight Plan. Participation might include: attending working groups, steering committees, and/or advisory committees, assisting with outreach to local officials and the public, providing data, reviewing and commenting on document drafts and dissemination of information to TACs and the public; and 4)	ongoing	\$ 25,152
72	2.3.10	ITS (Intelligent Transportation Systems) & TSM (Transportation System Management)	Regional	Sai	Jason, Eleni	Implement the 2016 Regional ITS Plan recommendations by enhancing capacity of the existing transportation network through signal optimization for selected high-volume corridors.	Conduct signal optimization for selected corridors as necessary. Participate in the VTrans ITS Plan and other initiatives.	ongoing	\$ 23,473
73	2.3.10.2	Real Time Traffic Information (separate grant)	Regional	Sai	Eleni	The CCRPC in close collaboration with VTrans and FHWA has implemented an advanced traffic monitoring system (ATMS) for five corridors in the county to collect travel times and average vehicle speeds through anonymously tracking Bluetooth (BT) devices carried by motorists (cell phones) and vehicles. The system is now being managed by VTrans.	Final Report to FHWA on the deployment and use of the Bluetooth devices in five Chittenden County corridors.	6/22	\$ 7,618
74	2.3.13	Corridor Planning & Coordination for Implementation Plan Advancement	Local/ Regional	Eleni	Sai	Participate in VTrans' Transportation Corridor Management Planning efforts. Coordinate with Municipalities, VTrans (as appropriate) and other stakeholders to advance corridor implementation plans and continue advancement of local and regional corridor studies.	1) Coordination with municipalities, modal partners, VTrans and other stakeholders regarding implementation of local and regional corridor plans; and 2) Participation in VTrans' Transportation Corridor Management Planning efforts.	ongoing	\$ 7,400

	A	B	C	D	E	F	G	I	AC
	Task #	Task Name	Municipality or Partner Agency	Staff Lead	Staff Support	Task Description	Task Deliverable(s)	End Month/Year	TOTAL \$ CCRPC Staff
3	2.3.18.1	Evaluating Technology, Policy and COVID-19 Disruptions to Household Travel in Chittenden County	UVM TRC	Jason	Eleni/Sai	This project aims to understand how disruptions caused by technology (autonomous & electric vehicles), policy (GHG mitigation measures) and the COVID-19 pandemic may affect travel behavior and choices in Chittenden County, VT. This targeted survey-based research offers a timely and cost-effective alternative to a full-scale household travel diary study, providing CCRPC with current information on factors most likely to significantly change how households travel in the region. This information will help CCRPC update its MTP, understand limitations in existing travel demand modeling forecasts and evaluate the need for additional household travel data and re-calibration of its travel forecasting models.	Results of the survey and report on the process.	6/22	\$ 13,505
87	2.3.19	Transportation Improvement Program (TIP)	Regional	Christine		Process amendments for the current TIP and develop the new FY2021-2024 TIP. Complete the 2021 Capital Program prioritization. Review progress of planned and scoped projects in the county. Continue to participate in the development and testing of the new VTrans project prioritization methodology (VPSP2). Review and provide input on VTrans' New Project Summaries (NPS) for asset management projects.	1) TIP amendments as needed; 2) CCRPC staff will provide VTrans regional priorities for transportation projects based upon a list provided by VTrans; 3) Develop FY2021-2024 TIP; 4) Aid in facilitation of STIP hearing; 5) Test new VTrans prioritization methodology and provide feedback; 6) Develop the FY20 Annual Listing of Projects obligating Federal Funds; 7) Provide VTrans with regional and local input on draft NPS.	ongoing	\$ 53,361
88	2.3.21	Transportation DIRECT COSTS	Regional	Forest		Purchase of direct cost eligible transportation program services and goods such as training, travel, work shop expenses, traffic counter equipment, etc.	1. Acquisition of transportation program direct cost services and goods.	ongoing	\$ -
89	2.3.21	Transportation DIRECT COSTS	Regional	Forest		Purchase of direct cost eligible transportation program services and goods such as training, travel, work shop expenses, traffic counter equipment, etc.	1. Acquisition of transportation program direct cost services and goods.	ongoing	\$ -
90	2.4	Transportation Implementation							
91	2.4.2	Municipal Project Management Services (Separate Grants)	Various municipalities	Sai		Project management services for various municipalities. MPM manages and coordinates all project activities and monitor all aspects of project development on behalf of the Municipality while acting as liaison between the Municipality, VTrans, consultants and/or contractors as necessary.	See deliverables for individual MPM Projects.	ongoing	\$ -
92	2.4.2.3	Municipal Project Management Services - Underhill	Underhill	Sai		CCRPC staff acts as a Municipal Project Manager (MPM) for the VT Route 15 sidewalk design and construction project in Underhill which is 80% funded through a VTrans Bicycle and Pedestrian grant award.	Activities include, but not limited to the following: review and monitor a master schedule, permits and approvals; assist the municipality in all right-of-way clearance; coordinate with utility companies; participate in public and stakeholder outreach; review invoices for accuracy and completeness; and provide regular progress reports to Municipality and VTrans.	12/21	\$ 2,857
93	2.4.2.4	Municipal Project Management Services - Hinesburg	Hinesburg	Sai		CCRPC staff acts as a Municipal Project Manager (MPM) for the Village South Sidewalk design and construction project in Hinesburg which is 80% funded through a VTrans Bicycle and Pedestrian grant award.	Activities include, but not limited to the following: review and monitor a master schedule, permits and approvals; assist the municipality in all right-of-way clearance; coordinate with utility companies; participate in public and stakeholder outreach; review invoices for accuracy and completeness; and provide regular progress reports to Municipality and VTrans.	12/22	\$ 7,618
94	2.4.2.5	Municipal Project Management Services - Shelburne	Shelburne	Sai		CCRPC staff acts as a Municipal Project Manager (MPM) for the Irish Hill Road sidewalk and Pedestrian Bridge design and construction project in Shelburne which is 80% funded through a VTrans Bicycle and Pedestrian grant award.	Activities include, but not limited to the following: review and monitor a master schedule, permits and approvals; assist the municipality in all right-of-way clearance; coordinate with utility companies; participate in public and stakeholder outreach; review invoices for accuracy and completeness; and provide regular progress reports to Municipality and VTrans.	12/22	\$ 11,427
95	3.0	MITIGATION & WATER QUALITY							
96	3.1	Hazard & Natural Resource Protection							
97	3.1.5	604(B) Water Quality Project	Regional	Dan		Annual small water quality grant with slightly different focus from year to year.	Work with applicable basin planners to identify the particular assessments that will be entered into the Watershed Projects Database. Relevant assessment types include stormwater master plans, road erosion inventories to support stormwater planning for municipal roads, river corridor plans, illicit discharge detection and elimination reports, or other appropriate assessments including municipally-developed stormwater, green stormwater infrastructure, hazard mitigation, or other planning assessments with water quality relevance.	8/21	\$ 3,493
98	3.1.6	All Hazards Mitigation Plan Update-pending	Regional	Dan	Pam	Support work of the consultant to ensure re-adoption of County and individual municipal All Hazards Mitigation Plans by February 2022.	1. Support consultant if subcontracted (might be able to do under EMPG if not).	2/22	\$ 8,258
99	3.2	Stormwater/Non-point Source Program							

	A	B	C	D	E	F	G	I	AC
	Task #	Task Name	Municipality or Partner Agency	Staff Lead	Staff Support	Task Description	Task Deliverable(s)	End Month/Year	TOTAL \$ CCRPC Staff
3									
100	3.2.2	Water Quality - Non-transportation	Regional	Dan	Regina, Charlie	Monitoring of and reporting to munis on impacts of Act 138, Water Quality financing mechanisms, Lake Champlain TMDL, etc.	1. Participation in meetings, monitoring and reporting on policies and programs. 2. Participation in meetings and discussion to facilitate desired partnerships between RPCs, municipalities and non-profits related to Water Quality improvements.	ongoing	\$ 12,996
101	3.2.2.1	Regional Stormwater Education Program (RSEP) & Chittenden County Stream Team (CCST)	Regional	Dan		Serve as Lead Agency to implement programs described in an MOU between CCRPC and twelve MS-4 (Municipal Separate Storm Sewer Systems) permittees in County to meet a portion of permit obligations.	1. Provide technical assistance to MS4 Subcommittee of the Clean Water Advisory Committee. 2. Manage subcontractor(s) selected to implement social marketing campaign to assure permittee compliance with Minimum Measure #1, Public Education and Outreach. 3. Manage subcontractor(s) selected to implement programming to assure permittee compliance with Minimum Measure #2, Public Involvement and Participation.	ongoing	\$ 4,851
102	3.2.2.5	Water Quality - Basin Planning & Outreach	Regional	Dan		Non-transportation related TMDL assistance to municipalities. Education and training on best practices. Involvement in basin planning processes, including consideration of municipal projects and priorities.	1. Provide technical assistance to Clean Water Advisory Committee. 2. Serve as grant administrator on behalf of VAPDA for its umbrella grant with VT-DEC concerning outreach on Vermont Clean Water Act. 3. Conduct outreach efforts to municipalities to encourage adoption of programs and policies to improve water quality. 4. Participate with VT-DEC staff on development of and implementation of Tactical Basin Plans (Lamoille, Winooski and Northern Direct-to-Lake) and facilitate municipal review and input and municipal prioritization of projects. Current contract ends 9/20; and anticipate another contract following that.	7/21	\$ 26,685
103	3.2.3	Water Quality - Transportation (Regional)	Regional	Chris	Charlie, Dan, Eleni, Regina, Pam, Sai	General CCRPC staff activities assisting municipalities and participating in VTtrans and DEC transportation related, stormwater and other clean water initiatives. Consultant assistance in developing conceptual plans and cost estimates for Road Erosion Inventory (REI) sites for Municipal Roads General Permit (MRGP) compliance. Conceptual plans would contain geographic locations, extent, and detailed schematics or examples of various stormwater mitigation infrastructure techniques that will assist in meeting MRGP standards and mitigate roadway stormwater erosion. On call assistance for small water quality projects.	1) Provide assistance, education and training to municipalities related to transportation/stormwater issues; 2) Participation in Clean Water initiatives; 3) Assist towns with road erosion inventories (REI) and prioritization for MRGP compliance; 4) Update REIs based on work conducted by municipalities and upload data to the state's portal; and 5) Continue to develop conceptual plans and budgets for REI sites for Chittenden County municipalities.	ongoing	\$ 67,499
104	3.2.3.20	Water Quality - Transportation (Local Projects)	Individual Municipalities	Chris	Dan	Conduct scoping and provide technical assistance for non-MRGP transportation related water quality municipal projects.	Conceptual plans that address stormwater/transportation issues on municipal roads.	ongoing	\$ 4,123
105	3.2.3.22	Right-of-Way Condition Inventory for Stormwater Retrofit Feasibility – Phase 2 (Burlington)	Burlington	Dan		This multi-year project began in FY20 to create a comprehensive condition inventory of the City's right-of-way, to determine the feasibility of implementing stormwater retrofits to treat and manage stormwater runoff from City streets. Phase 2 will include an inventory in Wards 2 and 3, while Phase 1 included an inventory of Wards 5 and 6.	1) Interactive base map of existing data using ArcGIS Online. 2) Determine areas for initial utility assessment and collection of GPS points, highlight areas for assessment in AGOL, confirm locations with Burlington DPW. 3) Complete initial review of available data bases including but not limited to ANR Resource Atlas and VT Hazardous Sites to identify potential contamination concerns at assessment locations. 4) Initial utility assessment (via DigSafe), collection of GPS points for assessment locations. 5) Conduct or coordinate soil augers - to include observations on soil conditions, infiltration testing, documentation of depth to GW or bedrock (where applicable). 6) Compile data into an interactive map using ArcGIS Online. 7) Draft and final map tool approved by Burlington DPW.	6/22	\$ 1,941
106	3.2.3.23	Essex Stormwater CCTV Inspection - Phase 2	Essex Town	Chris	Sai	The Town began the first phase of assessing the condition of stormwater pipes in 2020. This phase covered the televising of specific areas within the Town and how the data was going to be collected and analyzed. The Town is requesting funding to complete Phase 2 of this project which will continue the framework established in Phase 1 and further develop a prioritization scheme into a schedule for capital planning. Phase 2 consists of hiring a consultant to use a camera to televise the pipes in the areas identified above and generating a condition assessment report that will be consolidated with the condition assessment report completed in Phase 1. The data from Phases 1 and 2 will be used to develop a schedule framework for the replacement of deficient pipes for operational and capital planning.	Condition assessment and digital video in PACP protocol for the stormwater pipes in the selected areas in the town.	6/22	\$ 3,790
107	3.2.3.24	Essex Jct Stormwater CCTV Inspection - Phase 2	Essex Junction	Chris	Sai	The Village began an assessment of the condition of the stormwater pipes in our MS4 permitted area in 2020. This funding application is for Phase 2. Phase 1 established the process including where to TV, how to summarize the data. Phase 2 will continue this framework and further develop the prioritization scheme into a schedule for Capital planning. Phase 2 would consist of hiring a consultant to televise the stormwater pipes in the selected areas. Results would be consolidated into a pre-existing PACP standards condition and replacement report created in Phase 1. Phase 2 data & Phase 1 data would be used to develop a schedule framework for replacement of deficient pipes for capital/operational planning.	Condition assessment and digital video in PACP protocol for the stormwater pipes in the selected areas in the Village.	6/22	\$ 3,790

	AD	AE	AF	AG	AH	AI	AJ	AK	AM	BC	BD	BJ	BK	BL	BM	BN	BO	BP
3	Task #	Trans. Related staff cost	Planning Related staff costs	Trans. Consultants Regionally Matched	Funding Source	Consultant Costs Match with Local Funding	GMT	Trans. Direct Expense	inkind	TOTAL NEW Transportation BUDGET FY21	Total Carryover from FY21	Fed/State/Muni Contract - Staff Costs	ACCD - Staff Costs	Muni - Staff Costs	Muni Contribution	Planning Direct Costs	Total Planning FY21	GRAND TOTAL
108	3.2.3.33	\$ 3,499	\$ -		PL					\$ 3,499	\$ 8,500							\$11,999
109	3.2.3.36	\$ 4,123	\$ -		PL	\$ 15,000				\$ 19,123								\$19,123
110	3.2.3.37	\$ 4,131	\$ -		PL	\$ 15,000				\$ 19,131								\$19,131
111	3.2.3.38	\$ 12,210	\$ -		PL	\$ 20,000				\$ 32,210								\$32,210
112	3.2.10		\$ -		ANR												\$0	\$0
113	3.2.11		\$ -		ANR/WCA												\$0	\$0
114	3.2.16		\$ 4,851		ANR							\$ 4,851					\$4,851	\$4,851
115	3.2.17		\$ 35,772		ANR							\$ 35,772				\$20,000	\$55,772	\$55,772
116	3.3.3.1		\$ 1,941		ANR							\$ 1,941				\$12,748	\$14,688	\$14,688

	A	B	C	D	E	F	G	I	AC
	Task #	Task Name	Municipality or Partner Agency	Staff Lead	Staff Support	Task Description	Task Deliverable(s)	End Month/Year	TOTAL \$ CCRPC Staff
3	3.3.3.2	DI Block Grant - Milton Allen Drive	DEC	Dan		The CCRPC anticipates acting as an administrator on one or more future DIBG grants on behalf of our municipalities.	1.Final Design of Underground SW Treatment System 2.Rough Cost Estimates for same 3.Determination of needed permits	12/21	\$ 1,455
117	3.3.3.3	DI Block Grant - TBD	DEC	Dan		The CCRPC anticipates acting as an administrator on one or more future DIBG grants on behalf of our municipalities.	TBD	12/21	\$ 5,725
118	3.3.2	Grants in Aid Pilot Program	DEC	Chris	Dan	The purpose of the Grants in Aid Pilot Program is to provide funding for municipalities to implement Best Management Practices (BMPs) on municipal roads to address water quality issues ahead of the forthcoming DEC Municipal Roads General Permit (MRGP). The CCRPC will assist Chittenden County municipalities that apply and receive Grants in Aid funds in FY20.	CCRPC assistance might include but not limited to: 1. Provide maps and road erosion inventory data on municipally owned hydrologically connected roads; 2. Assist municipalities to select priority project locations and BMPs to bring road segments into full compliance with MRGP standards; 3. Attend pre-construction site visits and hold post-construction meetings to document completed conditions; and 4. Coordinate with NRPC who serves as the grant program administrator.	12/21	\$ 4,730
119	4.0	RURAL INVESTMENT							
120	4.1	Habitat Preservation							
121	5.0	HEALTH & SAFETY							
122	5.1	Safety - Transportation							
123	5.1.1	Traffic Alert Program	Regional	Emma		Coordinate contracting process with consultant; monitor and assist with issues and challenges.	Implementation of summer/fall 2019 and spring 2020 Traffic Alert Program.	ongoing	\$ 16,058
124	5.1.2	Transportation Safety	Regional	Sai	Eleni	Enhance travel safety in the County by assisting municipalities with safety reviews on local streets. Work with VTrans, the VHSA and the SHSP consultant to determine strategies and identify regional needs based on data. Work with VHSA to distribute information and data to the public on important transportation safety issues as identified by the data. Coordinate with VTrans in their ongoing safety programs including participation in RSARs, SLRS and HSIP programs. Conduct safety studies for municipalities. Participate in the Vermont Highway Safety Alliance (VHSA).	1) Participation in VHSA's task forces, events and initiatives; 2) Staff will coordinate all aspects of Road Safety Audit Reviews with VTrans and municipal staff, review supplement crash data provided by VTrans, and solicit local input; and 3) Participate in the update of the 2021-2025 SHSP and coordinate with VTrans on safety programs and projects in Chittenden County.	ongoing	\$ 11,476
125	5.2	Safety/Emergency Management							
126	5.2.1	Emergency Management Planning Grant (EMPG)	Regional	Christine	Pam, Dan, Regina	Provide planning, technical assistance and recovery efforts to towns, and assist the state. Offer trainings and support.	1. Local Planning: update LEMPS annually. 2. Technical Assistance and Education: two EMD roundtables, trainings, grant writing, ERAF assistance, monthly conference calls, etc. 3. Regional Emergency Management Committee Transition. 4. Statewide Emergency Response: SEOC trainings, after action meetings, participation in state level exercises.	9/21	\$ 58,497
127	5.2.4	Local Emergency Planning Committee (LEPC)	Regional	Christine	Regina	Manage listserv, agenda, presentations, and meetings; Supplemental LEPC grant to develop an Emergency Response Plan.	1. Handle all administrative aspects of committee meetings and activities. 2. Solicit presentations from state/local and national orgs. 3. Communicate all relevant information, resources and training opportunities. 4. Host trainings and meetings. Develop an emergency response plan that will compile regionwide information on risks and emergency management capabilities to provide useful information to local governments, emergency services, emergency management directors, mutual aid systems and other allied agencies.	ongoing	\$ -
128	5.2.5	EMPG - Supplemental	Regional	Christine	Pam, Dan, Regina, Chris	1. In response to remote work, education, health care, and other needs prompted by the COVID-19 response and pandemic state of emergency, CCRPC is assisting the Vermont Public Service Department (PSD) to identify locations with free public Wi-Fi access to the internet that could be available inside cars parked outside of buildings. 2. COVID-19/post-pandemic-related planning efforts. 3. COVID Response information sharing.	1. Identify up to 5 sites per town and assess the functionality of existing public hot spots (signal strength, speed, coverage, ease of login, accessibility, if they are open or locked). 2. CCRPC will work with Williston on planning support for post pandemic planning, public health and safety planning and continuity of operations planning. 3. COVID Response information sharing between VEM and municipalities and other partners.	9/21	\$ 2,017
129	5.2.7	DEMHS - Response & Recovery MOU	Regional	Christine	Dan, Pam	This MOU ensures that RPC staff are 'on call' and available to assist the State if and when needed for natural or man made incidents or disasters. This might involve acting as a local liaison with our member municipalities, contacting them to learn the extent of any damage that might have occurred, and what help, if any, they may need in managing the situation both during the initial response phase of an incident, and also in the recovery phase afterward.	When needed, staff will contact municipal officials on several occasions to check in, and then to summarize and communicate this information and local needs to appropriate State officials.	as needed	\$ -
130	5.2.8	Municipal Public Safety Resource Inventory	Regional	Christine	Dan, Pam	By December 31, 2021, each regional planning commission must create one inventory identifying the public safety resources of each town within its boundaries and report that inventory to all towns. The public safety resource inventory must identify all mutual aid agreements and all public safety plans towns have in place.	Municipal Public Safety Resource Inventory may be part of EMPG	12/21	\$ 7,920
131	5.3	Health							

	A	B	C	D	E	F	G	I	AC
	Task #	Task Name	Municipality or Partner Agency	Staff Lead	Staff Support	Task Description	Task Deliverable(s)	End Month/Year	TOTAL \$ CCRPC Staff
3	5.3.6	Prevention Center of Excellence	Regional	Melanie	Forest	Assist area organizations with preventing and reducing drug and alcohol use and abuse in the region.	Participate in regular meetings – 10-15 meetings between December 2020 and September 2021, with a final debriefing meeting in October 2021. Direct contributions of content related to the development of a 5-year strategic plan with a focus on youth substance misuse prevention.	11/21	\$ 5,216
133	6.0	EDUCATION							
135	7.0	FINANCE AND GOVERNANCE							
136	7.1	Coordinated Data & GIS Programming							
137	7.1.1.2	Online mapping & data	Regional	Pam	Melanie	To provide new and maintain existing online resource mapping tools. Work to present the 2018 ECOS Plan in a more user friendly format.	1. Continue to refine ChittendenCountyVT online map (ECOS plan) and other online maps. 2. Work with VCGI to update our data in ESRI's World Topographic Map. 3. Develop additional online maps as requested. 4. ECOS Plan regional analysis, data in an online format.	Ongoing	\$ 66,048
138	7.1.1.3	Municipal Technology Hosting	Colchester, Winooski	Pam		Provide GIS mapping services for integration into Colchester's online permitting software and Winooski's asset management software.	Update and maintain online map services for Colchester and Winooski.	Ongoing	\$ 1,956
139	7.1.1.4	Transportation Resiliency Planning & Mapping	Regional	Pam		Following implementation of TRPT in several watersheds over the last few years, the next stage of resiliency planning is moving towards integrating the results of the regional analysis and TRPT into town and regional transportation planning efforts including, but not limited to, hazard mitigation planning, capital planning, adopted town plans and regional transportation plans. In addition to the TRPT, the Statewide Flood Vulnerability Assessment and ANR River Corridor analysis could be used to support this planning.	1) Review damage data, local road importance and other pieces that go into the TRPT once consultant has provided information as they work through all watersheds in the state; and 2) Use the Statewide Flood Vulnerability Assessment, ANR River Corridor analysis and TRPT information to support hazard mitigation planning, capital planning, transportation planning, and other work with individual municipalities.	12/21	\$ 1,956
140	7.1.1.7	Vermont Municipal Bond Bank GIS Tool	Regional	Pam	Regina	The Vermont Municipal Bond Bank (d/b/a Vermont Bond Bank) has requested assistance in developing an online, interactive and public facing GIS tool so decision makers can access their data on capital investments and projects.	1. Develop GIS dataset of Bond locations using spreadsheet provided by the Bond Bank. 2. Incorporate developed data into a GIS application. 3. Incorporate additional data sets as requested and if accessible by CCRPC. 4. Develop a customized Dashboard and HUB site (or equivalent) to display the Bond Bank data, including widgets. 5. Along with the Bond Bank, investigate options for long-term hosting and maintenance of the site.	12/21	\$ 2,347
141	7.1.2	Data Development & Maintenance & GIS Programming	Regional	Pam/Chris	Melanie, Marshall, Sai, Taylor, Jason	Continue to develop and maintain the GIS data library and provide GIS services and assistance. Continue to collect transportation data including infrastructure inventories, traffic, bike/ped, park & ride, and other counts (as requested by municipalities and stated in the TPI Guidance). Collect and report data on the following programs: Town Highway Major Collector (HPMS) and Model Inventory of Roadway Elements (MIRE).	1) Update of Housing points data; 2) Update of Commercial/Industrial Sites data; 3) Update bike/ped data; 4) Update of infrastructure inventories (culverts, signs, sidewalks, etc.); 5) Updates to municipal zoning and regional future land use data as needed; and submit updates to VCGI annually; 6) Update of TIP GIS data and maps; 7) Updates and/or data development as needed or requested; 8) Conduct traffic counts as requested by municipalities and provide all relevant traffic data to VTrans by the required deadline; 9) Report highway improvement data for TH Major Collectors (HPMS) data to VTrans at the end of each calendar year; 10) Collect and provide Bike, Pedestrian and Park & Ride count data to VTrans, based on the latest TPI Guidance; 11) Use existing data/sources to identify and report to VTrans the surface types on Class 2, 3 and 4 town highways in the county; 12) Conduct public transit bus stop inventories per TPI Guidance 13) Update vtculvert.org and provide annual summary of bridge & culvert inventories to VTrans as directed by TPI Guidance; 14) Update data for inclusion in ESRI's World Topographic Basemap; 15) Review 2020 Census materials as needed; 16) GIS services (maps, data, technical assistance) to member municipalities, state agencies, regional partners and general public as requested; and 17) South Burlington GIS inventory of on-street parking spaces in the City Center area (and possibly other high-volume areas such as Farrell Street). The inventory would identify the allowed parking areas, recognizing curb cuts, etc. and assign to a GIS system by side of the street.	ongoing	\$ 281,537
142	7.1.3	VT Online Bridge & Culvert Inventory Tool (VTCulverts)	Regional	Pam		Continue to maintain, enhance and provide technical assistance for user's of the VOBCIT program (www.vtculverts.org).	1. Work with project partners to continue to improve and enhance the VOBCIT website. 2. Provide technical support to users of the website. 3. Provide Training to municipal staff (public works, road foremen) on using VOBCIT. 4. Input updated bridge and culvert inventories into vtculverts.	ongoing	\$ 4,890
143	7.2	Coordinated County Performance Monitoring							
144	7.2.1	ECOS Annual Report: Non-Transportation	Regional	Melanie	Emma	Orchestrate the creation of 2020 ECOS Annual Report including the development of an online indicator system.	1. Update online indicators. 2. 2021 accomplishments of partners in implementing ECOS Plan. 3. 2021 ECOS Annual Report. 3. Provide annual reporting to DHCD (9/30).	ongoing	\$ 15,159
145	7.2.2	ECOS Annual Report: Transportation	Regional	Melanie	Eleni, Emma	Orchestrate the creation of 2020 ECOS Annual Report including the development of an online indicator system.	1. Update indicators. 2. Draft of online indicators website. 3. 2021 accomplishments of partners in implementing ECOS Plan. 4. 2021 ECOS Annual Report.	ongoing	\$ 12,586
146	7.2.4	ECOS Plan Updates	Regional	Regina	Melanie, Emma, Dan, Taylor	Staff will begin developing the 2023 Plan update.	Prepare the workplan schedule and begin planning for the 2023 Plan update.	6/23	\$ 66,195

