

FY2019 ANNUAL REPORT

South Burlington

The Chittenden County Regional Planning Commission (CCRPC) is a political subdivision of the State created by the municipalities of Chittenden County in 1966 for the development of policies, plans and programs that address regional issues and opportunities in Chittenden County. Its vision is to be a pre-eminent, integrated regional organization that plans for healthy, vibrant communities, economic development, and efficient transportation of people and goods while improving the region's livability. The CCRPC serves as the region's federally designated metropolitan planning organization (MPO) and is responsible for comprehensive and collaborative transportation planning involving municipalities, state and federal agencies and other key stakeholders in Chittenden County. The CCRPC works to ensure implementation of the regional transportation plan and provides technical and planning assistance to its member municipalities and the Vermont Agency of Transportation (VTrans).

The CCRPC is governed by a 29-member board consisting of one representative from each of the County's 19 municipalities; transportation representatives from VTrans, Green Mountain Transit (GMT), Federal Highway Administration (FHWA), Federal Transit Administration (FTA), Burlington International Airport (BIA), and a rail industry representative; and, at-large members representing the interests of agriculture, environmental conservation, business, and housing/socio-economic. The legislative body of each Chittenden County municipality selects its own representative and alternate. The full CCRPC selects the at-large representatives.

The CCRPC appreciates the continued opportunity to work with its municipal members to plan appropriately for the region's future to protect and improve the special quality of life that is shared throughout Chittenden County. In FY19, the CCRPC invested more than \$5.7 million in regional land use, transportation, emergency management, energy, natural resources, public engagement, training, and technical assistance. The program leverages more than \$5.2 million in Federal and State investment with \$245,000 in municipal dues and another \$227,000 in local match for specific projects—an 11:1 return on local investment.

South Burlington representatives to the CCRPC Board and other committees in FY19 were:

- CCRPC Representative | Chris Shaw
- CCRPC Alternate | Meaghan Emery
- Transportation Advisory Committee (TAC) | Justin Rabidoux
- Planning Advisory Committee (PAC) | Paul Conner
- Clean Water Advisory Committee (CWAC) | Tom DiPietro
- MS4 Subcommittee | Tom DiPietro

Specific activities the CCRPC is engaged in with South Burlington, as well as CCRPC's regional activities, are discussed in the following sections.

SOUTH BURLINGTON ACTIVITIES

In FY2019, the CCRPC provided direct assistance to South Burlington on the following projects and initiatives:

- **City Center Parking & Movement Plan:** The City of South Burlington is looking to develop a district parking strategy for the City Center area including Market Street and commercial areas on Dorset Street and Williston Road. This strategy will support ongoing plans to build new residential units, roadways, a municipal complex, and increased density in the City Center. The focus of this study is to identify methods to best support the success of Market Street as a core, mixed-use area at the heart of the future City Center. CCRPC staff have been working with City staff and a consultant to inventory existing conditions and identify parking management approaches to best support the growth of the City Center. This project will be completed in FY20. Total consultant costs in FY19: \$28,460. Contract balance for FY20: \$21,540.
- **I-89 Exit 14 Bike/Pedestrian Crossing Study (Phase II):** Phase I of this study began in 2016 to identify and evaluate alternatives to improve pedestrian and bicycle travel across the I-89 Exit 14 interchange. In May 2018, the final report for Phase I was completed: <http://bit.ly/I89-Exit14-Phase1>. The result of this study was the selection and endorsement of a preferred alignment for connecting existing bicycle and pedestrian facilities on the east side of I-89 near the Exit 14 interchange with the west side. Based on this study, the City completed a conceptual layout and a benefit-cost analysis for the preferred alignment. To better position the project for design and construction funding, the City, with assistance from the CCRPC, undertook Phase II of this study to better evaluate existing conditions along the preferred alignment. The study effort included delineating and mapping wetlands; researching and mapping rights-of-way, property boundaries, easements, and offers of dedication; researching and mapping existing utilities; completing a topographic survey; summarizing permit requirements; and assessing cultural resources. The final report was completed in July and can be found here: <http://bit.ly/I89-Exit14-Study>. Total consultant costs in FY19: \$24,010.
- **South Burlington Multi-site Recreation Path Scoping Study:** The CCRPC and the City initiated this scoping study with Toole Design Group in FY18 to analyze and evaluate the feasibility of additional sidewalk and shared use paths at four proposed study site locations throughout South Burlington. This study evaluates existing conditions, develops alternatives, and provides planning level cost estimates. Preferred alternatives were identified in collaboration with the City and the public. For the final report please visit the project website: <http://bit.ly/SB-BikePed-Study>. Total consultant costs in FY18 and FY19: \$53,890
- **South Burlington Multi-Site Pedestrian Crossing /Bicycle Access Study:** Beginning in the fall of 2018, the CCRPC started to work with the City and Toole Design Group to analyze and evaluate the feasibility of mid-block crossings on Williston Road between Hinesburg Rd and Kennedy Drive and on Kennedy Drive at the Twin Oaks Drive; and the feasibility of continuing bicycle lanes through the intersections of Williston Road/Kennedy Drive and Williston Road/Hinesburg Road. In FY19, the project team conducted field visits, analyzed existing conditions, developed conceptual plans and evaluated congestion and safety issues for different scenarios at the two

signalized intersections on Williston Road. The final report for this project will be finalized in FY20. See the project website for more information: <http://bit.ly/SB-BikePed-Crossing>. Total consultant costs in FY19: \$19,721. Contract balance for FY20: \$818.

- **Williston Rd/Dorset St Intersection Lane Assignment Evaluation:** In collaboration with City staff, the CCRPC started to evaluate the possibility of lane re-assignments on the westbound direction at the Williston Road/Dorset Street intersection. In FY19, CCRPC staff conducted a review of previous studies related to the intersection; assembled traffic modeling data including traffic volumes and signal timing plans; developed a microsimulation model in Transmodeler to evaluate potential new lane configurations on Williston Road; and discussed preliminary results with the City. A technical memo with findings and recommendations will be completed in FY20.
- **VT116/Kimball Ave/Tilley Dr Land Use and Transportation Plan:** The CCRPC and the City are continuing to work with VHB to develop a comprehensive Land Use and Transportation Plan for the area around VT 116, Kimball Avenue, Tilley Drive, Kennedy Drive, and Community Drive. This Land Use and Transportation Plan will evaluate existing land uses and potential transportation alternatives to address the long-term, multi-modal transportation system requirements to accommodate a potentially significant level of development within the project area. This project will be completed in FY20. For more information, please visit the project website: <http://bit.ly/116-Kimball-Tilley>. Total consultant costs for this multiyear project: \$244,466.
- **Traffic Overlay District and Impact Fee:** The CCRPC has been working with the City and RSG to update the current Impact Fee ordinance to incorporate all aspects of transportation infrastructure as well as create stronger linkages to established capital budget planning processes and to update the existing Traffic Overlay District to better align the regulations with the significantly revised zoning and land development regulations incorporating form based code. This effort will be completed in FY20. Total consultant costs in FY18 and FY19: \$51,602. Contract balance for FY20: \$10,031.
- **Geographic Information Systems:** The CCRPC conducted a river corridor analysis in South Burlington to identify structures within the City's river corridors as well as an analysis of dwelling units per roadway mile in the Southeast quadrant. Additionally, CCRPC staff worked with the South Burlington Bike & Ped committee on the development of a map viewer to display bike and pedestrian infrastructure. CCRPC staff provided mapping assistance to the Champlain Valley Conservation Partnership, of which South Burlington is a member.
- **Interim Zoning Assistance:** In coordination with City staff and a consultant, the CCRPC worked to refine South Burlington's natural resource regulations. Staff also assisted the Affordable Housing Committee on the inclusionary zoning draft for the proposed expansion of this bylaw to the transit overlay district. CCRPC staff also developed an online map view of natural resources to inform refinement of the natural resource regulations.
- **Emergency Management – LEMP:** CCRPC staff offered assistance with preparation of the annual Local Emergency Management Plan (LEMP), formerly known as the Local Emergency Operations Plan (LEOP), to ensure that South Burlington is prepared in the event of a disaster.

- **Municipal Roads General Permit (MRGP) Compliance, Water Quality Planning Assistance and Associated Stormwater projects:**
 - Staff worked with South Burlington to map hydrologically connected outlets and their associated roadway segments for more comprehensive planning and reporting needs.
 - Using funds from VDEC’s Clean Water Block Grant program, the CCRPC secured funds for and administered a subgrant to the City for construction of improvements to two large stormwater treatment ponds in the Pinnacle at Spear Street neighborhood.
- **Traffic Counts:** The CCRPC conducted 13 roadway AADT (Annual Average Daily Traffic) counts in support of South Burlington’s transportation projects and studies (<http://vtrans.ms2soft.com/>).
- **Technical Assistance:** CCRPC staff provided a variety of technical assistance to the City:
 - Reviewed and provided comments on the proposed South Burlington Interim Zoning bylaws;
 - Provided the City with assistance in the development of an electric vehicle charging grant and coordinated with VEIC on a fleet analysis for South Burlington’s municipal vehicles (<http://bit.ly/SB-EV-Fleet-Guidance>);
 - Reviewed the City’s VTrans Bike/Ped Grant Program application and provided a letter of support;
 - Coordinated with the City and VTrans on cost estimates and use of available earmark funds for the Exit 14 signal improvements;
 - Prepared for and hosted a Local Emergency Planning Committee meeting in South Burlington that focused on UVM’s Environmental Safety Facility;
 - Participated in discussions with the Bicycle & Pedestrian Committee about bikeshare expansion in the City;
 - Assisted South Burlington School District staff with collecting and analyzing demographic and economic data from the US Census and American Community Survey.

South Burlington Projects in the Transportation Improvement Program (TIP)

The TIP (<http://www.ccrpcvt.org/our-work/our-plans/transportation-improvement-program/>) is a prioritized, multi-year list of transportation projects in Chittenden County. To receive federal Transportation funds, each transportation project, program or operation must be authorized through the TIP. South Burlington projects included in the TIP are listed below. These projects are also identified in the FY2019 Vermont Agency of Transportation Capital Program for design or construction.

- **Market Street Reconstruction:** \$7.17 million project for roadway construction. The project is partially funded with a federal SAFETEA-LU earmark (\$4.5 million). Construction scheduled to be completed in 2019.
- **I-89 Exit 14 Signal Upgrades:** \$1.33 million project to upgrade signals at Exit 14. Implementation scheduled to begin in 2020.

- **I-189 Concrete Pavement Repair and Paving:** \$2.55 million for pavement repair and paving in 2020 and 2021.
- **I-89 Paving, Richmond to Colchester:** \$9.14 for paving I-89 from Richmond to Colchester.
- **US7 Signal Upgrades, Webster Road to Swift Street:** Construction schedule to be determined.
- **Picard Circle Stormwater Improvements:** 2017 Transportation Alternatives award (\$229,600) to design and construct stormwater infiltration and drainage infrastructure. Construction scheduled for 2019.
- **Bartlett Brook Stormwater Treatment System Expansion:** 2018 Municipal Highway and Stormwater Mitigation Program award of \$123,988 federal and \$251,732 state funds. Construction scheduled for 2021.
- **Woodcrest/Deane Street Stormwater Infiltration and Detention System:** \$242,000 Transportation Alternatives award in 2018. Construction scheduled for 2020.
- **Expansion of Kennedy Drive Stormwater Pond 7:** \$300,000 Transportation Alternatives award in 2018. Construction scheduled for 2020.
- **Kennedy Drive Gravel Wetland Retrofit, Pond 2:** \$83,693 federal and \$169,923 state Municipal Highway and Stormwater Mitigation Program award in 2019. Construction scheduled for 2020.
- **Linwood Drive Closed Drainage System and Stormwater Treatment:** \$115,358 federal and \$188,216 state Municipal Highway and Stormwater Mitigation award in 2019. Construction scheduled for 2021.
- **Williston Road Cycle Track and Pedestrian Improvements:** \$2.4 million project for bike and pedestrian improvements on Williston Road between Dorset Street and Midas Drive/White Street. Partially funded with a 2017 Bike & Pedestrian award (\$800,000). Construction scheduled for 2022.

FY2020 CCRPC Work Program

Project Name	Brief Description	Total Budget
Traffic Overlay District Traffic Impact Fees - Phase II	Complete the second phase of a project that overhauls the Traffic Overlay District and Traffic Impact Fees into a coordinated system.	\$37,500 budget which includes a local match of \$7,500
Queen City Park Road Sidewalk Scoping	Conduct a scoping study to address the existing ~700 ft sidewalk gap between the Champlain Water District and Central Avenue.	\$40,000 budget which includes no local match as a regional project.
Multiuse Path Connecting Williston to South Burlington	Conduct a detailed evaluation of the obstacles identified in the 2006 & 2010 Scoping Studies for a multiuse path over Muddy Brook.	\$30,000 budget which includes no local match as a regional project.

REGIONAL ACTIVITIES

- **ECOS Plan Implementation:** CCRPC continues to implement its *2018 Chittenden County ECOS Plan* (<http://www.ecosproject.com/2018-ecos-plan>) which combines the regional plan, comprehensive economic development strategy, and metropolitan transportation plan, as reflected here in this report. The 2018 ECOS Annual Report is a summary that highlights a number of regional accomplishments, trends, and high priority actions. (<http://www.ecosproject.com/annual-report/2018-annual-report>) In addition, the ECOS Scorecard hosts the ECOS Partners' shared measurement and indicator system that monitors how well Chittenden County is doing relative to achieving our shared ECOS goals. (<https://app.resultsscorecard.com/Scorecard/Embed/8502>)
- **Legislative Forum:** The CCRPC hosted the 2018 Legislative Breakfast in December as a forum for a short and focused conversation with local legislators and municipal representatives on key issues and topics important to area municipalities for the 2019-2020 legislative session, including: housing, water quality, employment and Act 250. (<http://www.ccrpcvt.org/about-us/commission/policies-positions/>)
- **Building Homes Together:** 2018 was the third year of the Building Homes Together campaign. The campaign was initiated by the CCRPC, Champlain Housing Trust and Housing Vermont in 2016. The campaign's goal is to increase the production of housing in Chittenden County, setting a target of 3,500 new homes created over the next five years, with 700 of them permanently affordable. Three years into the five-year campaign, 2,273 homes have been built and the region is on track to reach 3,500 new homes by 2021. However, we continue to fall short on the affordable housing goal. (<http://www.ecosproject.com/building-homes-together>)
- **Public Health:** The CCRPC supports and serves on the Chittenden County Opioid Alliance (CCOA, <http://www.ccoavt.org>) together with other dedicated stakeholders including local non-profit agencies, state and local government, United Way of Northwest Vermont, UVM Medical Center, Vermont Department of Health, business leaders and community members in Chittenden County. CCRPC also served as the lead agency for the Regional Prevention Partnership. Accomplishments include expansion of drug take-back locations, promoting drug take-back days, fake ID enforcement, and community education about substance use prevention.
- **Emergency Management:** In addition to facilitating Local Emergency Planning Committee meetings (LEPC 1, <http://bit.ly/ccrpc-lepc>), the CCRPC participated in a variety of emergency management-related workshops and exercises to enhance resilience to disasters in our region. The CCRPC also served as the local liaison between municipalities and the state to collect damage assessment information after significant storm events, helped with emergency preparedness for hazardous materials incidents, collected information from each municipality on annual implementation of hazard mitigation activities and worked with municipalities to complete Local Emergency Management Plans.
- **Regional Energy Planning:** Following the adoption of the Regional Energy Plan in June 2018 as part of the ECOS Plan (<http://www.ccrpcvt.org/our-work/our-plans/regional-energy-plan/>), the

CCRPC continued to conduct outreach with municipal Energy Committees/Planning Commissions, municipal legislative bodies and State agencies to assist with the development of local energy plans and support the State's Comprehensive Energy Plan. CCRPC has provided 5 municipalities with a positive determination of energy compliance in FY18. The CCRPC participated in Drive Electric Vermont meetings, commented on Public Utility Commission proceedings, and provided support to municipalities with the Electric Vehicle Supply Equipment (EVSE) grant program.

- **Education & Training:** The CCRPC participated in and hosted the following trainings: Act 174 Training Assistance, Local Emergency Management Plan training, Chittenden County Road Foreman workshop, Bluetooth Advanced Traffic Management System (ATMS) workshop and Regional Housing Convenings. The CCRPC also continued to host the 12-month webinar series from the Association of Pedestrian and Bicycling Professionals for municipalities and regional partners.
- **Lake Champlain Byway:** Chittenden County includes eight of the Byway's 22 communities: Milton, Colchester, Winooski, Essex Junction, Burlington, South Burlington, Shelburne and Charlotte. CCRPC staff maintained the Byway website (<https://lakechamplainbyway.com/>) including this helpful Interactive Map (<http://map.ccrpcvt.org/lcbyway/>) and mobile Story App (<https://lcbyway.oncell.com/en/index.html>).
- **Clean Water:** The CCRPC maintains its commitment to clean water initiatives throughout our region so that all residents have access to clean drinking water; to strengthen our region's recreation and tourism industry; and to become more resilient to significant storm events. The CCRPC continued to host the Clean Water Advisory Committee and the MS-4 Sub-Committee (<https://www.ccrpcvt.org/about-us/committees/clean-water-advisory-committee/>), provided guidance for the Vermont Clean Water Fund, assisted municipalities with stormwater master plans, supported education programs such as the Rethink Runoff Stream Team (<http://rethinkrunoff.org/the-stream-team/>), and participated in water quality-focused policy discussions around adequate funding and clean water service providers in 2019.
- **Municipal Roads General Permit (MRGP) Compliance and Water Quality Planning Assistance:** The CCRPC assisted member municipalities by conducting Road Erosion Inventories (REIs) and developing conceptual plans to address road erosion issues to meet MRGP requirements. For an interactive dashboard of the REI progress visit <https://map.ccrpcvt.org/reidashboard/>. CCRPC staff assisted municipalities with **Better Roads** grants and **Grants-in-Aid** projects to address road erosion issues. The CCRPC also provided funding to municipalities for scoping/conceptual plan development for non-MRGP related stormwater issues on local roads.
- **Transportation Demand Management:** In partnership with VTrans, CCRPC staff continued the **Way to Go! Challenge** (www.waytogovt.org) as a school-focused K-12 program to encourage sustainable transportation and demonstrate the environmental and financial benefits of non-single occupant vehicle travel. The CCRPC also continued to collaborate with regional TDM partners to evaluate strategies and policies to encourage sustainable modes of transportation such as walking, biking, ride-sharing, vanpooling, transit, bike-sharing and car-sharing. TDM partners include: the Chittenden Area Transportation Management Association (CATMA),

CarShare VT, Green Mountain Transit (GMT), Local Motion, Greenride Bikeshare, Go! Vermont/VTrans, and United Way.

- **Elderly and Disabled (E&D) Transit Service Review:** The CCRPC, Green Mountain Transit (GMT) and United Way have been working together to evaluate Chittenden County's E&D Transportation Program. The goal of this initiative is to expand the understanding of the E&D program among stakeholders and identify opportunities for improvement. Recommendations will be completed in the fall of 2019.
- **Neighbor Rides:** Since Spring 2013, the CCRPC has been investing in Neighbor Rides to improve the integration of volunteer drivers into SSTA's services and increase access to transportation for seniors and persons with disabilities by offering a lower-cost mode of transportation. (<http://www.unitedwaynwvt.org/Neighbor-Rides>)
- **Active Transportation Planning:** The CCRPC completed an analysis of Greenride Bikeshare's (www.greenridebikeshare.com) first year data and made recommendations for system expansion, and worked with TDM partners and local municipalities to plan Greenride's expansion and fleet conversion to electric assist bicycles (<http://bit.ly/2ovBaxO>). The CCRPC provided walk/bike recommendations on local and state paving plans; assisted municipalities with state bike/ped grant applications; developed model bike parking ordinances for municipalities; planned and hosted (with VTrans) two walk/bike events as the Vermont Chapter of the Association of Pedestrian and Bicycle Professionals; promoted TDM strategies to municipalities and businesses; compiled Complete Streets data for Chittenden County municipalities; and, with Local Motion, conducted bike/ped counts on paths, bike lanes and roadways. (<http://www.ccrpcvt.org/our-work/our-plans/regional-bikeped-plan/>)
- **Chittenden County Transportation Survey:** Since 2000, the CCRPC has regularly assessed the public's attitudes on transportation related issues. Previous public surveys were undertaken in 2000, 2006 and 2012. In 2018, the CCRPC worked with a consultant to replicate the previous survey versions to note any historical attitudinal shifts. The purpose of the survey is to objectively measure public opinion regarding performance of the region's transportation system and identify strategies to address existing and future deficiencies. (<http://bit.ly/CC-Transportation-Survey>).
- **Diversity & Equity:** The CCRPC continues to use the **2014 Public Participation Plan (PPP)** to guide our focus on diversity and equity in all projects. A PPP update is planned in FY21 to ensure everyone understands our role and responsibilities to engage the public and encourage participation, with a special emphasis toward reaching traditionally underserved and underrepresented populations in the county, including people/households with limited English proficiency, people of color, people with disabilities, low-income households, new Americans, seniors, and youth. In FY19, the CCRPC participated in the Refugee and Immigrant Service Provider Network, developed Equity Impact Worksheets for transportation projects, participated in public engagement webinars, completed our Title VI Report for VTrans/FHWA, and participated in an implicit bias training. (<http://www.ccrpcvt.org/our-work/our-plans/public-participation-plan/>)

- **Regional Technical Assistance:** This includes, but is not limited to, municipal technical assistance for various transportation issues, GIS mapping, model municipal plans, bylaw and ordinance revisions, Act 250/Section 248 application reviews, grant administration and grant application assistance, build-out analyses, orthoimagery acquisition, and improving the VT Online Bridge and Culvert Inventory Tool (<http://www.vtculverts.org/>).
- **Advanced Traffic Monitoring System (ATMS) using Bluetooth Technology:** The CCRPC and VTrans deployed corridor-level Bluetooth devices along the following corridors in Chittenden County: US 2 at Exit 14; VT 289, Susie Wilson Road and VT 15; VT 2A and US 2 north of Exit 12; I-89 Exit 17 area; and I-89 Exit 16 area. This system provides the ability to monitor vehicle travel times and average travel speeds on these corridors to help address congestion issues and improve incident response (crashes, signal failures, etc.), thereby enhancing safety and mobility, and reducing congestion. Ultimately, this data will be utilized by the VTrans Advanced Transportation Management System (ATMS) and Traveler Information System (TIS) for 511.
- **Chittenden County I-89 Study:** The goal of this multi-year study (<http://bit.ly/I-89-2050-Study>) is to assess capacity, safety, resiliency and other issues of the I-89 corridor and its existing interchanges within Chittenden County; and to develop a comprehensive, multimodal plan for interstate and interchange investments that accommodates anticipated growth through 2050 and best aligns with the Vision that will be articulated by a broad and diverse group of stakeholders and the public.
- **Regional Dispatch Implementation Study:** The CCRPC continues to support the Chittenden County Public Safety Authority (CCPSA) formed by the following municipalities in 2018 (Burlington, Colchester, Milton, South Burlington, Williston, Winooski) to implement a plan for a consolidated regional dispatch center for police, fire and rescue agencies. (<http://www.ccrpcvt.org/our-work/emergency-management/regional-dispatch/>).

For further information about the CCRPC, please visit <http://www.ccrpcvt.org/> or contact CCRPC Executive Director, Charlie Baker: cbaker@ccrpcvt.org, 802-846-4490 ext *23.
