

## **FY2018 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 to all citizens of the region to ensure the implementation of the best regional and transportation plan for Chittenden County. The CCRPC also 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 FY18, 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 \$5.3 million in Federal and State investment with \$245,000 in municipal dues and another \$132,000 in local match for specific projects—a **14:1 return on local investment**.

South Burlington representatives to the CCRPC Board and other committees in FY18 were:

- CCRPC representative – Chris Shaw
- CCRPC alternate – Sandy Dooley
- Transportation Advisory Committee (TAC) – Justin Rabidoux
- Planning Advisory Committee (PAC) – Paul Conner
- Clean Water Advisory Committee (CWAC) – Tom DiPietro
- MS4 Subcommittee – Tom DiPietro
- All-Hazards Mitigation Plan Update Committee – Paul Conner
- Long Range Planning Energy Sub-Committee – Keith Epstein

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 FY2018, the CCRPC provided direct assistance to South Burlington on the following projects and initiatives:

- **I-89 Exit 14 Bike/Ped Scoping** – The CCRPC worked with South Burlington staff to finalize this study to identify and evaluate crossing improvements for pedestrians, bicyclists and transit users in the I-89 Exit 14 area. The goal of the study was to recommend an alternative transportation crossing option that has the support of the community so that funding may be pursued for engineering, permitting, and ultimately construction. In FY18, the project team refined a series of alternatives, prepared a presentation to the South Burlington City Council and finalized the scoping report. Total consultant contract amount: \$64,095. (<https://www.ccrpcvt.org/wp-content/uploads/2018/07/I-89-Exit-14-Alternative-Transportation-Crossing-Scoping-Study-Final-Report.pdf>).
- **Real Time Traffic Information** – The CCRPC has continued to work with VTrans, South Burlington and other municipalities to plan, design and implement advanced traffic monitoring systems (ATMS) for five corridors in the county, including Williston Road at the Exit 14 area, to collect real-time travel times and average vehicle speeds through anonymously tracking Bluetooth devices carried by motorists (cell phones) and vehicles. The project is funded through a \$981,760 Federal Highway Administration grant.
- **Exit 14 Area Traffic Signal Management Plan** – Continuing from FY17 and in partnership with South Burlington, this project completed a traffic signal and communications infrastructure assessment at the Exit 14/US 2/Dorset Street area. This effort included an evaluation of traffic signal equipment for 13 intersections along US 2 and Dorset Street for compliance with current design standards and their ability to support new traffic control technologies. A plan was developed of proposed signal and communications improvements including cost estimates. CCRPC and South Burlington staff developed a prioritized plan for signal upgrades to be included in the VTrans Capital Improvement Plan. Total consultant contract amount: \$58,890.
- **VT116/Kimball Ave/Tilley Dr/ Land Use and Transportation Plan** – CCRPC staff have continued to collaborate with South Burlington to develop a comprehensive land use and transportation plan in the vicinity of VT 116, Kimball Avenue, Tilley Drive, Kennedy Drive, and Community Drive. This project included the evaluation of existing and future 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 and adjacent to the project area. In FY18, the project team worked on the second phase of this project, which included: collaborating with South Burlington City staff, the Planning Commission and the consultant to refine future project alternatives, refining the traffic analysis using the updated regional transportation model, developing a trip generation methodology and refining the list of necessary transportation capacity improvements. Total consultant contract amount: \$219,996. (<http://www.ccrpcvt.org/our-work/transportation/current-projects/corridors-circulation/vt116-kimball-tilley-land-use-transportation-plan/>).
- **South Burlington Multi-site Recreation Path Scoping** – The CCRPC and City of South Burlington initiated this scoping study to analyze and evaluate the feasibility of pedestrian and bicycle facilities at four locations along Spear Street, Hinesburg Road, Allen Road and Fayette Drive.

The goal of this study is to address the existing gaps in South Burlington's active transportation system. This project was initiated in October of 2017 and will be completed in December of 2018. Total consultant contract amount: \$49,032. <https://www.ccrpcvt.org/our-work/transportation/current-projects/scoping/south-burlington-bike-and-pedestrian-feasibility-study/>.

- **South Burlington Williston Road Area Transportation & Land Use Network Study** – CCRPC staff worked with South Burlington and selected consultant to complete the second phase of this project following a technical evaluation completed in 2015 ([https://www.ccrpcvt.org/wp-content/uploads/2016/01/SBURLWILLISTONRDNETSTUDY\\_PHASE1\\_FINALREPORT-2.pdf](https://www.ccrpcvt.org/wp-content/uploads/2016/01/SBURLWILLISTONRDNETSTUDY_PHASE1_FINALREPORT-2.pdf)). Phase II included developing preferred alternatives for Williston Road between Dorset St and VT 116, major intersections within the study area, and possible new roadway linkages. The project also addressed access management and incorporated robust public/landowner outreach. (<http://www.ccrpcvt.org/our-work/transportation/current-projects/corridors-circulation/williston-road-transportation-network-study/>). Total consultant contract amount: \$92,009.
- **South Burlington Bicycle-Pedestrian Mapping** – The CCRPC has been working to prepare a comprehensive GIS map of existing bike & pedestrian facilities in South Burlington to help the City identify infrastructure gaps so that they can be addressed either with municipal funds, grants or during the development review process for parcels along proposed active transportation routes. (<http://map.ccrpcvt.org/sbikeped/>)
- **FEMA Pre-Disaster Mitigation** – CCRPC staff worked in early 2018 with municipal staff to prepare a 2017 Progress Report on the implementation of the actions recommended in the South Burlington All-Hazard Mitigation Plan. Typically, these were roadway and stormwater projects to mitigate the impacts of future severe rainstorms.
- **Emergency Management – LEOP**: CCRPC staff offered assistance in the Spring of 2018 with the annual local emergency operations plan (LEOP) to ensure that South Burlington is prepared in the event of a disaster.
- **Stormwater Education & Public Participation** – The CCRPC provided support to South Burlington through the management of the Rethink Runoff program (<http://rethinkrunoff.org/>) to facilitate multi-municipal cooperation to comply with ANR MS-4 stormwater permit requirements for public education and involvement.
- **Geographic Information Systems** – CCRPC GIS staff updated road maps for the South Burlington Fire Department and developed a zoning overlay map. CCRPC GIS staff uploaded zoning and overlay data to the Vermont Open GeoData Portal.
- **Municipal Roads General Permit (MRGP) Compliance and Water Quality Planning Assistance** – CCRPC staff continued to provide assistance to all member municipalities to address policy, data, and reporting issues to meet the MRGP requirements. CCRPC staff contracted with Milone and MacBroom to develop water quality improvement concept plans for Van Sicklen Road and National Guard Avenue for a total of \$5,000.
- **Traffic Counts** – The CCRPC provided 13 roadway/traffic counts (AADT) and completed one 12-hour turning movement count in support of South Burlington's transportation projects and initiatives (<http://vtrans.ms2soft.com/>).

- **VTrans Better Roads Program** – Using a FY18 Better Roads Category A grant totaling \$3,500, CCRPC staff conducted a road erosion inventory for MRGP compliance.
- **Technical Assistance** – CCRPC staff provided a variety of technical assistance to the City, including:
  - Evaluated the signal timing and lane assignments at the intersection of Spear and Swift Street
  - Prepared and submitted a VTrans Bike/Ped Grant Application on behalf of South Burlington and Greenride Bikeshare for Phase 2 bike racks and station signs
  - Worked with South Burlington staff to develop a municipal corridor revision project that involved updating a river corridor management map
  - Reviewed crash data and geometry information for the Cheesefactory Road and Hinesburg Road intersection for a road safety audit study

### 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 FY2018 Vermont Agency of Transportation Capital Program for design or construction.

- **Market Street Reconstruction** – \$6.7 million project for roadway construction. The project is partially funded with a federal SAFETEA-LU earmark (\$4.5 million). Construction scheduled to begin in 2018.
- **I-89 Exit 14 Signal Upgrades** – \$1.3 million project to upgrade signals at Exit 14. Implementation scheduled for 2018.
- **Picard Circle Stormwater Improvements** – \$359,000 project funded with a 2017 Transportation Alternatives award (\$229,600) to design and construct stormwater infiltration and drainage infrastructure. Construction scheduled for 2021.
- **VT116 Potash Brook Culvert** – \$1.35 million project to replace the Potash Brook culvert. Project to be completed in 2018.
- **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 2020.
- **Kimball Avenue/Marshall Avenue Culvert Scoping** – 2018 Municipal Highway and Stormwater Mitigation Program award.
- **Construction of Sub-surface Stormwater Infiltration and Detention System** – \$242,000 Transportation Alternatives award in 2018. Construction scheduled for 2020.
- **Expansion of Kennedy Drive Stormwater Pond** – \$300,000 Transportation Alternatives award in 2018. Construction scheduled for 2019.

- **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.

## REGIONAL ACTIVITIES

- **ECOS Plan and Annual Report** – The ECOS Plan is the combined Regional Plan, Metropolitan Transportation Plan, and Comprehensive Economic Development Strategy for Chittenden County and was readopted in 2018 with major updates to the energy, transportation and economic development sections:
  - 2018 ECOS Plan: <http://www.ecosproject.com/2018-ecos-plan/>
  - **Summary:** [http://www.ecosproject.com/wp/wp-content/uploads/2017/09/2018-ECOS-Plan-Summary\\_20180807\\_FINAL.pdf](http://www.ecosproject.com/wp/wp-content/uploads/2017/09/2018-ECOS-Plan-Summary_20180807_FINAL.pdf)
  - The 2017 Annual Report highlights regional accomplishments, trends, and high priority actions: <http://www.ecosproject.com/annual-report/>
  - The ECOS Scorecard is our online data platform that hosts the ECOS Partners’ shared measurement system that monitors how Chittenden County is doing with regard to achieving our shared ECOS goals: <https://app.resultsscorecard.com/Scorecard/Embed/8502>
- **Legislative Forum** – The CCRPC hosted the 2017 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 2018-2019 legislative session, including: housing, water quality, and municipal shared services. (<http://www.ccrpcvt.org/about-us/commission/policies-positions/>)
- **Building Homes Together** – The CCRPC, Champlain Housing Trust and Housing Vermont continue to lead a coordinated campaign to strengthen Chittenden County communities and our economy by building 3,500 homes by 2021 for people of all incomes, including 700 affordable homes. CCRPC staff developed a series of housing indicators with the first-year data for a press conference that was held in September 2017. CCRPC also began to host a meeting of municipal Housing Committees to facilitate peer learning. (<http://www.ecosproject.com/building-homes-together>)
- **Clean Water** – The CCRPC is committed to supporting water quality initiatives throughout our region to ensure that all residents have access to clean drinking water; to strengthen our region’s recreation and tourism industry; and to become more resilient to flood events. To assist our member municipalities and the state in working together to achieve these goals, the CCRPC has facilitated 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 Better Roads grants and stormwater master plans, managed water quality-focused advocacy and education programs such as the Rethink Runoff program(<http://rethinkrunoff.org>) and participated in the development of updates to the Winooski Tactical Basin Plan which assesses water quality concerns and recommends priority strategies to address these concerns.

- Public Health** – The CCRPC supports and serves the Chittenden County Opioid Alliance (CCOA, <http://www.ecosproject.com/chittenden-county-opioid-alliance>) together with numerous other regional stakeholders. The CCOA is made up of many dedicated stakeholders who come from different sectors of the community and have partnered together: local non-profit agencies, state and local government; UVM Medical Center; Health Department; business leaders and community members in Chittenden County. CCRPC also served as the lead agency for the Regional Prevention Partnership (<http://www.healthvermont.gov/alcohol-drug-abuse/programs-services/prevention-programs>). Accomplishments included expansion of drug take back locations, promoting drug take-back days, fake ID enforcement, and community education about substance use prevention.
- Regional Dispatch Implementation** – The CCRPC continues to work in partnership with Chittenden County municipalities to implement a plan for a consolidated regional dispatch environment for law enforcement, fire and rescue agencies. CCRPC staff facilitated discussions with municipal legislative bodies, participated in hearings with the Vermont Legislature’s Government Operations Committees and provided support to the Joint Survey Committee. Following strong support from voters in Burlington, Colchester, Milton, South Burlington, Williston and Winooski on Town Meeting Day 2018, the Chittenden County Public Safety Authority (CCPSA) was approved as a new union municipal district tasked with delivering regional emergency dispatch services to improve public safety operations. (<http://www.ccrpcvt.org/our-work/emergency-management/regional-dispatch/>)
- Emergency Management** – In collaboration with the Local Emergency Planning Committee (LEPC 1, <http://www.ccrpcvt.org/about-us/committees/local-emergency-planning-committee/>), the CCRPC hosted and participated in a variety of emergency management-related workshops and exercises to enhance resilience to disasters in our region. CCRPC also served as a key coordinator between municipalities and the state to collect damage assessment information after significant storm events, helped with emergency preparedness for hazardous materials incidents, worked with municipalities to complete Local Emergency Operations Plans, and facilitated Incident Command System training.
- Regional Energy Planning** – The CCRPC adopted a Regional Energy Plan to support the State’s Comprehensive Energy Plan consistent with municipal and regional land use plans and policies. The CCRPC conducted significant outreach and incorporated feedback into the Plan from the following: municipal Energy Committee/Planning Commissions; municipal legislative bodies; members of the public; State agencies, including the Vermont Department of Public Service; and CCRPC’s Long Range Planning Committee, Energy Sub-committee, Executive Committee and the Board of Directors. The final plan was adopted on June 20, 2018 as part of the ECOS Plan (<http://www.ccrpcvt.org/our-work/our-plans/regional-energy-plan/>) and was granted an Affirmative Determination of Energy Compliance by the Department of Public Service on August 9, 2018. This means that the ECOS Plan’s policies will be given “substantial deference” during Public Utilities Commission proceedings. CCRPC has increased participation in PUC proceedings to ensure that local and regional policies are recognized.
- Education & Training** – The CCRPC participated in and hosted the following trainings: Emergency Management Director/Public Information Officer Workshops, Act 250: Next 50 Years Conference, Economics of Housing Workshop, Regional Housing Convening. 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, [www.lakechamplainbyway.com](http://www.lakechamplainbyway.com) and finalized the Byway's Corridor Management Plan available at: <https://www.ccrpcvt.org/our-work/economic-development/lake-champlain-byway/>.
- **Transportation Demand Management** – The CCRPC and VTrans transitioned the popular annual **Way to Go! Challenge** ([www.waytogovt.org](http://www.waytogovt.org)) to a school-focused K-12 program to encourage sustainable transportation (non-single occupant vehicle travel) and demonstrate the environmental and financial benefits. With the recent expansion of CATMA's (Chittenden Area Transportation Management Association) TDM services throughout the region, 2017 was the final year of promotion for **Go! Chittenden County**, a one-stop-shop for information and advice about our region's transportation resources ([www.gochittendencounty.org](http://www.gochittendencounty.org)). The CCRPC's **Travel Smarter** campaign and trip planner provides a side-by-side comparison of the time, costs, distance, and calories associated with driving, biking, walking, and taking the bus. This transitioned into VTrans' TDM program ([www.TravelSmarterVT.org](http://www.TravelSmarterVT.org)).
- **Neighbor Rides** – Since Spring 2013, the CCRPC has been investing in Neighbor Rides to improve the integration of volunteer drivers into human services transportation to increase access to transportation for seniors and persons with disabilities by offering a lower-cost mode of transport. (<http://www.unitedwaynwvt.org/Neighbor-Rides>)
- **Regional Active Transportation Plan** – The CCRPC began steps to implement the Regional Pedestrian-Bicycle Plan recommendations for a comprehensive, connected, accessible and safe regional network for walking and biking. CCRPC staff led the development and launch of the regional **Greenride Bikeshare** system ([www.greenridebikeshare.com](http://www.greenridebikeshare.com)), provided walk/bike recommendations on local and state paving plans, assisted municipalities with bike/ped grant applications, developed model bike parking ordinances for municipalities, promoted TDM strategies, and conducted walk/bike counts on paths, bike lanes and roadways. (<http://www.ccrpcvt.org/our-work/our-plans/regional-bikeped-plan/>)
- **Regional Transportation Model** – The regional transportation model was updated to better reflect current and future transportation demands due to forecasted demographic and employment changes in the county. The model is a tool used by the CCRPC to compare various land use and transportation scenarios and their effects on our transportation system at a regional level. Most recently, it was utilized in the 2018 update of our Metropolitan Transportation Plan (MTP) to assist in identifying and prioritizing transportation investments that will be most effective in meeting the MTP goals.
- **Chittenden County Transportation Survey** – The 2018 survey largely replicates the 2000, 2006 and 2012 versions to note any historical attitudinal shifts. The chief purpose of the survey is to objectively measure public opinion in Chittenden County regarding the performance of the region's transportation system and to identify strategies to address existing and future deficiencies. Relative to performance, questions measure public opinion on how well the transportation system serves the public's travel needs, affects livability, promotes economic

development and opportunity, and affects the environment. The most recent survey was conducted this past April and May and the survey report is currently being drafted. Results will be released in October 2018.

- **Diversity & Equity** – The CCRPC continues to use the **2014 Public Participation Plan (PPP)** to guide our focus on diversity and equity in all projects. An update is planned in FY19 to ensure everyone understands our role and responsibilities for public participation. (<http://www.ccrpcvt.org/our-work/our-plans/public-participation-plan/>)
- **Regional Technical Assistance** – This includes but is not limited to, technical assistance for various transportation issues, GIS mapping, model municipal plans, bylaw and ordinance revisions, Act 250/Section 248 application reviews, grant administration, build-out analyses, orthoimagery acquisition, and improving the VT Online Bridge and Culvert Inventory Tool (<http://www.vtculverts.org/>).
- **Intelligent Transportation Systems (ITS)** – The CCRPC has been planning, designing and implementing advanced technologies on congested corridors in the county to improve safety, facilitate traffic flows and reduce delays. (<https://www.ccrpcvt.org/our-work/our-plans/intelligent-transportation-systems/>):
  - **Advanced Traffic Monitoring System (ATMS) using Bluetooth Technology** – The CCRPC, in close coordination with VTrans and FHWA, planned, designed and implemented an Advanced Traffic Monitoring System for five (5) congested corridors in Chittenden County to gather real-time travel data using Bluetooth technology. The system will ultimately integrate with the VTrans ATMS and Traveler Information System (TIS) for 511 through the State Transportation Operations Center (TOC). The CCRPC has already implemented a pilot corridor (Williston Road/US 2) using six (6) Bluetooth sensors for real-time travel data collection, testing and validation purposes. This fall, 24 Bluetooth sensors will be installed along the remaining four (4) corridors. The entire system will be tested and validated and the real-time travel data collected will assist VTrans and municipalities to improve the efficiency, safety, and reliability of the regional transportation system.
  - **Exit 14 Area Traffic Signal Assessment Study** – The CCRPC has been coordinating with VTrans and the municipalities of South Burlington and Burlington to identify strategies to reduce congestion and improve traffic flows in the vicinity of the I-89 Exit 14 interchange. The CCRPC has completed a system assessment study for traffic signals along Williston Road/Main Street between Staples Plaza and Midas Drive, and Dorset Street between Williston Road and Kennedy Drive and developed a strategic plan for signal and communications infrastructure improvements and upgrades. Exit 14 Earmark funds will be used in the near future to implement the highest priority recommendations in South Burlington.

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

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