



CHITTENDEN COUNTY RPC
Communities Planning Together

Transportation Improvement Program for Fiscal Years 2019-2022

**As Adopted
July 18, 2018**

Chittenden County Regional Planning Commission
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A. Introduction

The Chittenden County Transportation Improvement Program (TIP) for fiscal years 2019 through 2022 is a prioritized, fiscally-constrained, and multi-year list of federally-funded, multimodal transportation projects and operations in the CCRPC region - Chittenden County. As a federally designated Metropolitan Planning Organization (MPO), CCRPC must prepare a TIP which must cover at least a 4-year program of projects and be updated no less frequently than every 4 years. In addition, projects in the TIP must be prioritized at the regional level and have clearly identified funding sources. All transportation projects, programs, and operations receiving federal funds in Chittenden County must be authorized through the CCRPC TIP process. The exceptions are federal airport funds for Burlington International Airport, which are not subject to the CCRPC's prioritization process, but are listed in the TIP for information and coordination purposes.

- The TIP authorizes the implementing agency (e.g., VTrans, GMT) to obligate federal funds for listed projects and operations over the next four federal fiscal years (October 1, 2018 through September 30, 2022).
- The first year of a duly-adopted and approved TIP constitutes an "agreed to" list of projects for project selection purposes, provided that anticipated federal funds available to the region are available during that year.
- The U.S. Department of Transportation (DOT) must find that the TIP is based on a continuing, comprehensive transportation planning process carried out cooperatively by the State, the CCRPC, and transit operators.

B. Financial Plan

▸ Federal Funding

The majority of TIP projects are funded with 80 percent federal funds. However, in some cases federal amounts may vary such as with interstate projects, which can be funded with 90 percent federal funds, and some transit projects, which may be funded with 50 percent federal funds. There is a column on the right side of the TIP document that indicates the percentage shares of federal, state and local funding.

▸ State Funding

The State of Vermont maintains a State Transportation Fund to pay for transportation programs and projects. State matching funds for TIP projects would most likely come from this fund. The fund is primarily supported by revenue collected from the motor fuel tax on gasoline and diesel and purchase and registration fees for motor vehicles.

State transportation resources are allocated through the state legislature's annual capital and budgetary process and are identified in the Transportation Capital Program. State transportation funding allocated to projects and programs in Chittenden County is determined through this process, in consultation with the CCRPC.

▸ Local Funding

Sources of local matching funds come primarily from the property tax and are approved by each municipality in their annual budgeting process.

▸ Operation and Maintenance

Operations and maintenance of the Federal Aid Highway System in Chittenden County is conducted by VTrans and funding

amounts are identified in the State Transportation Improvement Program (STIP).

Green Mountain Transit (GMT) has an estimated Operations and Maintenance budget for transit services in FY19 of \$13,905,833. Revenue sources for transit operations and maintenance are as follows:

Passenger revenue	\$2,504,600
Purchase of service	\$43,844
Local funding	\$3,235,396
State funding	\$2,451,708
Federal grants	\$5,635,285
Misc revenue	\$35,000
Total Revenue	\$13,905,833

C. Performance Management

▸ TPM Overview

A key feature of the most recent Federal Transportation Acts, MAP-21 and FAST ACT, is the emphasis on system performance. At the national level, the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) have established a Transportation Performance Management (TPM) program, a strategic initiative designed to achieve national transportation performance goals. The intent is to measure progress towards national goals through a reliable data-driven process.

MPOs will be required to describe, for future TIPs, how the investment decisions behind TIP projects and strategies will work toward achieving the identified national performance goals. This will link investment priorities included in the TIP with State and

regionally established performance targets designed to meet the goals.

TPM goals, measures and targets will be established in the following areas: safety, infrastructure condition for pavement and bridges, congestion, system reliability on the national highway system, freight movements on the interstate, and air emissions. Once the performance measures are established at the federal level, state DOTs and MPOs must set quantifiable targets to gauge progress towards state and national goals. The schedule to establish targets varies by measure with MPO targets due 180 days from the establishment of state targets. The objective is for states and MPOs to invest resources in projects that collectively make progress towards the achievement of national goals.

▸ **Safety Performance Measure**

Safety targets were the first to be established and reported to FHWA by all DOTs and several MPOs. VTrans, CCRPC and other stakeholders collaborated through the winter and spring of 2017 to develop statewide targets for the five performance measures that were established under the safety category in support of the state's Highway Safety Improvement Program (HSIP). VTrans established and reported their safety targets in the summer of 2017 and the CCRPC voted to accept the state targets and support them through programming.

The statewide 2018 safety targets are listed below:

- 5-Year Average Fatalities - 57.0
- 5-Year Fatality Rate - 0.830 per 100 million Vehicle Miles Traveled
- 5-Year Average Serious Injuries - 280.0 per 100 million Vehicle Miles Traveled
- 5-Year Average Serious Injury Rate - 4.0

5-Year Average Non-Motorized Fatalities and Non-Motorized Serious Injuries - 39.4

▸ **Other Performance Measures**

The established performance measures under the other criteria are listed below. Targets have not yet been established for these measures.

- Infrastructure Condition

Pavement

1. Percentage of pavement on the Interstate in good condition
2. Percentage of pavement on the Interstate in poor condition
3. Percentage of pavement on the non-Interstate National Highway System (NHS) in good condition
4. Percentage of pavement on the non-Interstate National Highway System (NHS) in poor condition

Bridges

1. Percentage of NHS bridges in good condition
 2. Percentage of NHS bridges in poor condition
- Congestion -- *Not required because Vermont does not exceed national air quality standards*
 - National Highway System Reliability
 1. Interstate travel time reliability
 2. Non-Interstate NHS travel time reliability
 3. Freight reliability measure (truck travel time)
 - Air Emissions – percent change in tailpipe carbon dioxide (CO₂) emissions on the National Highway System
(NOTE: FHWA now proposes repeal of this measure)

CHITTENDEN COUNTY REGIONAL PLANNING COMMISSION
A Resolution to Adopt the FY2019-2022
TRANSPORTATION IMPROVEMENT PROGRAM

WHEREAS, the Chittenden County Regional Planning Commission, as the designated Metropolitan Planning Organization for Chittenden County, Vermont, is responsible for the operation and maintenance of a continuing transportation planning process designed to prepare and adopt transportation plans and programs; and

WHEREAS, a fiscally constrained Transportation Improvement Program containing transportation improvements expected to be carried out in the period October 1, 2018 through September 30, 2022 has been prepared through the planning process; and

WHEREAS, the Chittenden County Regional Planning Commission's Transportation Advisory Committee found the projects contained in the proposed TIP to be in conformance with the duly adopted Metropolitan Transportation Plan and has recommended the fiscally constrained 2019-2022 Transportation Improvement Program to the Chittenden County Regional Planning Commission for adoption; and

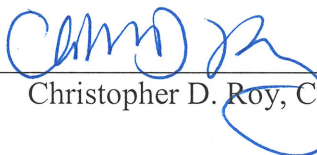
WHEREAS, the Chittenden County Regional Planning Commission sent copies of the proposed TIP to the eighteen member municipalities for the review and comment period on June 21, 2018; and

WHEREAS, the Chittenden County Metropolitan Planning Organization held a public hearing in the CCRPC offices in Winooski on Wednesday, July 18, 2018 to review the proposed Transportation Improvement Program after publishing a legal notice in the *Burlington Free Press*;

NOW, THEREFORE, BE IT RESOLVED that the Chittenden County Regional Planning Commission, as the Metropolitan Planning Organization, hereby adopts the fiscally constrained 2019-2022 Transportation Improvement Program attached hereto and made a part hereof.

RESOLVED, PASSED AND ADOPTED THIS 18th DAY OF JULY 2018.

CHITTENDEN COUNTY REGIONAL PLANNING COMMISSION

By  _____
Christopher D. Roy, CCRPC CHAIR

GLOSSARY

ADA	Americans with Disabilities Act of 1990. Federal legislation prohibiting discrimination on the basis of disability.	FAA	Federal Aviation Administration. The USDOT agency responsible for aviation related programs.
Adaptive Signal Control	Adaptive signal control technology adjusts the timing of red, yellow and green lights to accommodate changing traffic patterns and ease traffic congestion.	FAST Act	The Fixing America's Surface Transportation (FAST) Act is five-year legislation to improve the Nation's surface transportation infrastructure, including our roads, bridges, transit systems, and rail transportation network. The bill reforms and strengthens transportation programs, refocuses on national priorities, provides long-term certainty and more flexibility for states and local governments, streamlines project approval processes, and maintains a strong commitment to safety.
AIP	Airport Improvement Program. FAA program that assists the development of public-use airports by providing funding for airport planning and development projects.		
BTV	Burlington International Airport		
CCRPC	Chittenden County Regional Planning Commission. The county's comprehensive planning organization. Established under state law. CCRPC also acts as the Metropolitan Planning Organization for Chittenden County. The MPO is established under federal law and responsible for transportation planning and programming within its jurisdiction.	FHWA	Federal Highway Administration. The USDOT agency responsible for roadway related programs.
		FRA	Federal Railroad Administration. The USDOT agency responsible for railroad programs.
		FTA	Federal Transit Administration. The USDOT agency responsible for public transportation programs.
CIRC Alternative Project	A program of projects to implement the purpose and need that the CIRC highway was originally intended to address. In 2011 the Governor announcement that the Chittenden County Circumferential Highway – as originally conceived - would not be built.	FTA Section 5307	FTA grant program for capital and operating assistance in urban areas over 50,000 in population.
CMAQ	Congestion Mitigation and Air Quality Improvement Program. Federal funding program designed to address congestion and air quality issues through capital and operating projects.	FTA Section 5309	FTA grant program for capital programs such as buses and bus facilities.
CCTA	Chittenden County Transportation Authority. The former name of region's public transportation provider. In 2016 CCTA merged with Green Mountain Transit Authority and changed their name to Green Mountain Transit (GMT)	FTA Section 5310	FTA grant program to States for assisting private non-profit groups in meeting the transportation needs of the elderly and persons with disabilities.
CON	Construction. Project development phase in which the project is implemented.	FTA Section 5339	FTA funding program that provides capital funding to replace, rehabilitate and purchase buses and related equipment and to construct bus related facilities.
DDI	Diverging diamond interchange. DDI is a new type of diamond interchange that increases capacity and reduces congestion.	GMT	Green Mountain Transit. The region's public transportation provider.

GLOSSARY

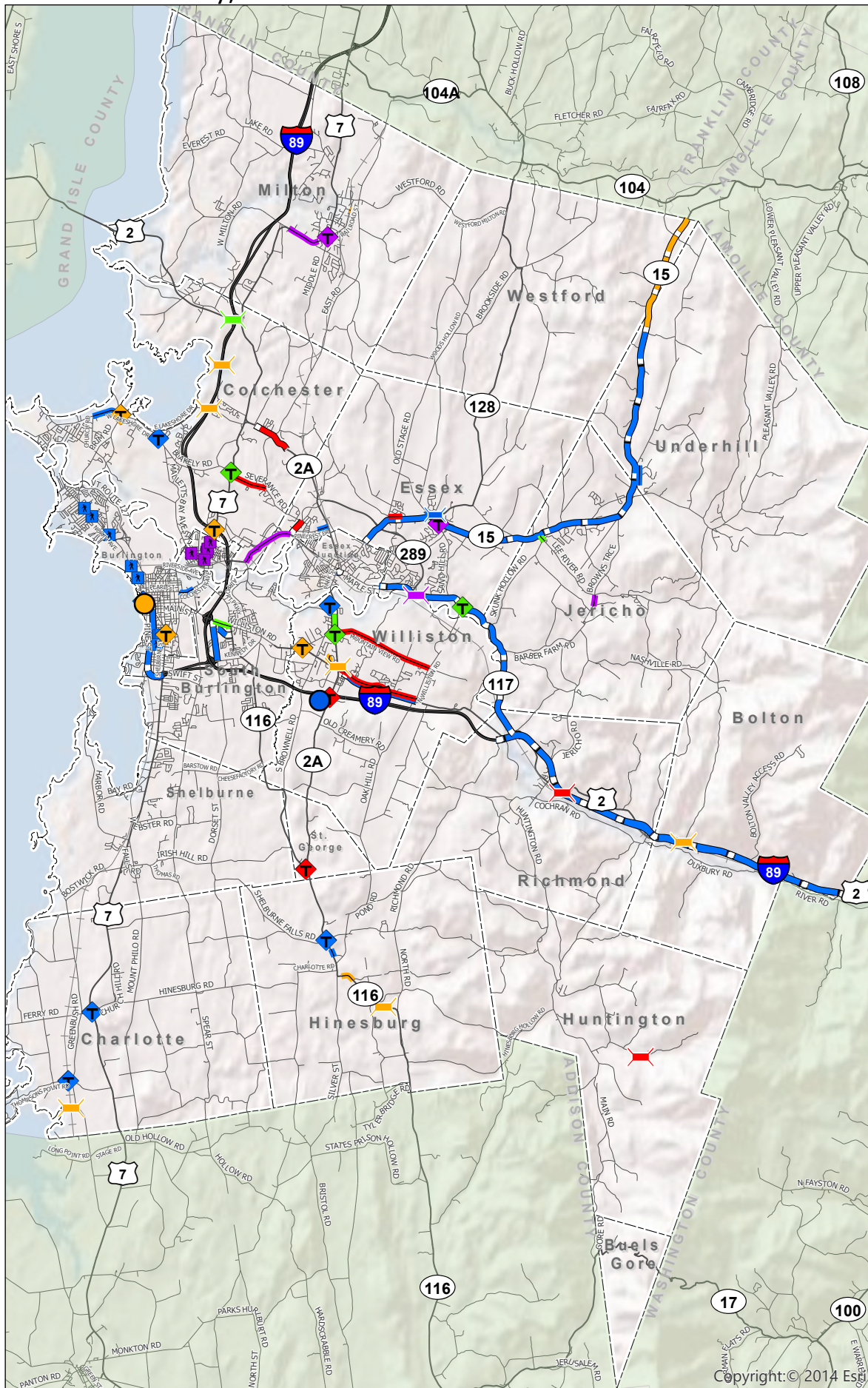
HSIP	Highway Safety Improvement Program (HSIP). A data-driven, strategic approach to improving highway safety on all public roads that focuses on performance.	NHS	National Highway System. The NHS includes the Interstate Highway System as well as other roads important to the nation's economy, defense, and mobility. The NHS was developed by the Department of Transportation in cooperation with the states, local officials, and metropolitan planning organizations.
ISTEA	Intermodal Surface Transportation Efficiency Act of 1991. Federal legislation emphasizing innovation, intermodalism, and flexibility. The Act authorized \$151 billion over 6 years.	Para-transit	A demand-response transportation system catering to special needs populations such as the elderly and disabled.
ITS	Intelligent Transportation Systems. The application of technology to improve transportation system efficiency.	PE	Preliminary Engineering. Project development phase in which project design is determined.
LTAP	Local Technical Assistance Program. A national non-profit effort financed jointly by the Federal Highway Administration and individual State Departments of Transportation. Its purpose is to provide road and bridge know-how to municipal people involved with highways. There are LTAP Centers in 50 states and Puerto Rico and seven Native American locations. Vermont's program is called Vermont Local Roads.	Round-about	Non-signalized circular intersection with specific design and traffic control features to ensure low travel speeds and efficient traffic movement.
MAB	Municipal Assistance Bureau. VTrans program established to assist local governments with project implementation.	ROW	Right-of-Way. A phase in the project development process that determines if land rights are needed for construction of a transportation project and negotiates the appropriate compensation.
MAP-21	The Moving Ahead for Progress in the 21st Century Act (MAP-21) was a funding and authorization bill to govern United States federal surface transportation spending. It was passed by Congress on June 29, 2012.	SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFTEA-LU). This act was passed in August 2005 as the successor to the Transportation Efficiency Act for the 21st Century (TEA-21). The Act added new safety programs, with an emphasis on transportation security.
MPO	Metropolitan Planning Organization. Federally established organization responsible for a cooperative, continuous, and comprehensive framework to make transportation investment decisions within their designated area. CCRPC is the designated MPO for Chittenden County.	Safety Program	Under Sections 154 and 164 of the US Code penalty funds for Open Container and Repeat Offender Laws may be used for Highways Safety Improvement Program (HSIP) eligible activities.
NHPP	National Highway Preservation Program. The NHPP provides support for the condition and performance of the National Highway System (NHS), for the construction of new facilities on the NHS, and to ensure that investments of Federal-aid funds in highway construction are directed to support progress toward the achievement of performance targets established in a State's asset management plan for the NHS.	Scoping	A phase in the project development process that moves a recognized problem from an idea through the development of alternatives and environmental screening.
		Shared Use Path	A path separated from vehicle traffic by barrier or open space usually on its own right-of-way.
		SSTA	Special Services Transportation Agency. Chittenden County based non-profit paratransit provider.

GLOSSARY

STIP	Statewide Transportation Improvement Program. The State's four year list of fiscally constrained transportation projects planned for implementation statewide.	TIP	Transportation Improvement Program. The four year list of fiscally constrained transportation projects planned for implementation in the region.
STP	Surface Transportation Program. Federal program providing flexible funding for projects on any Federal-aid highway, including the NHS, bridge projects on any public road, transit capital projects, and bus facilities.	TOD	Transit Oriented Design. High density and mixed use land development around transit system stops.
TAP	The Transportation Alternatives Program (TAP) provides funding for transportation alternatives, including pedestrian and bicycle facilities, improving non-driver access to public transportation, safe routes to school projects, and recreational trails.	Traffic Calming	A combination of measures to reduce the negative effects of vehicle use or to alter driver behaviors.
TCSP	Transportation, Community and System Preservation Program. Federal program that provides funding for planning grants, implementation grants, and research to investigate and address the relationships between transportation, community and system preservation.	TSM	Transportation Systems Management. Relatively low-cost improvements to improve transportation efficiency such as ITS applications or roundabouts.
TDM	Transportation Demand Management. The general term for strategies that result in more efficient use of transportation resources.	USDOT	United States Department of Transportation
TEA 21	Transportation Equity Act for the 21st Century (TEA-21) replaced ISTEA to guide federal expenditures for surface transportation in 1999. The Act authorized new flexible programs and increased authorized funding to \$198 billion over 6 years.	VTrans (or VAOT)	Vermont Agency of Transportation

Transportation Improvement Program FY 2019 - 2022

Chittenden County, Vermont



Projects

Pedestrian Crossing

- Construction FY 2019
- Construction FY 2021

Intersection Improvement

- ◆ Construction FY 2019
- ◆ Construction FY 2020
- ◆ Construction FY 2021
- ◆ Construction FY 2022
- ◆ Construction Year Not Determined

Bridge/Culvert Work

- ✕ Construction FY 2019
- ✕ Construction FY 2020
- ✕ Construction FY 2021
- ✕ Construction FY 2022
- ✕ Construction Year Not Determined

Intermodal Facility

- Construction FY 2019
- Construction FY 2020

Pedestrian/Bike Project

- Construction FY 2019
- Construction FY 2020
- Construction FY 2021
- Construction FY 2022
- Construction Year Not Determined

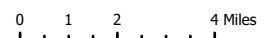
Roadway Improvement

- Construction FY 2019
- Construction FY 2020
- Construction FY 2022
- Construction Year Not Determined

NOTE: Once official, this data can also be viewed on the ECOS Map Viewer at <http://map.ccrpcvt.org/chittendencountytv>



1:250,000



Sources:
Project data - updated May 2018 by CCRPC.
Base map - ESRI's Shaded Relief

Disclaimer:
The accuracy of information presented is determined by its sources. Errors and omissions may exist. The Chittenden County Regional Planning Commission is not responsible for these. Questions of on-the-ground location can be resolved by site inspections and/or surveys by registered surveyors. This map is not sufficient for delineation of features on-the-ground. This map identifies the presence of features, and may indicate relationships between features, but is not a replacement for surveyed information or engineering studies.

Section 2: FY2019–2022 TIP: Projects by Municipality

2019-2022 CCRPC Transportation Improvement Program

As Adopted - July 18, 2018

CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
Burlington										
RR007 Burlington Train Station Platform	\$96,600 PE	\$899,438 CON			Total: \$1,803,814 PE: \$178,814 ROW: CON: \$1,625,000			Rail	TIGER VII 54 % Federal 46 % State 0 % Local	Modify Burlington train station platform to accommodate AMTRAK service.
VTrans Number: PLAT(3)					VTrans PM: Libby, Paul					
BP078 Champlain Elementary Pedestrian Crossing Improvements	\$330,000 CON				Total: \$490,000 PE: \$80,000 ROW: \$5,000 CON: \$405,000	\$64,864		Bike/ Pedestrian	STP 80 % Federal 10 % State 10 % Local	2013 Bike/Ped award (\$394,860) for construction of 365 feet of sidewalk and improved crossings on Birchcliff Parkway and Locust Street.
Birchcliff and Locust VTrans Number: STP BP13(6)					VTrans PM: Robertson, Thad					
HC001A Champlain Parkway - US7 to Main Street	\$10,274,185 PE/CON	\$13,222,501 CON	\$5,427,077 CON		Total: PE: ROW: CON: \$29,483,558			New Facility/ Major Roadway Upgrade	STP 95 % Federal 3 % State 2 % Local	VTrans to use advance construction funding. PE and ROW included under HC001E.
US7 to Main Street VTrans Number: MEGC-M 5000(1)					VTrans PM: Bohl, Tina					
BP092A Colchester Avenue Sidepath - Phase I	\$168,350 PE/ROW/CON				Total: \$275,437 PE: \$77,000 ROW: \$5,000 CON: \$193,437	\$40,000		Bike/ Pedestrian	STP 80 % Federal 0 % State 20 % Local	2014 Sidewalk grant (100,000); 2015 Sidewalk grant (\$108,350) to construct 1,625 feet of 10-ft wide path.
East Avenue to Mansfield Avenue VTrans Number: STP SDWK(19)					VTrans PM: Kaplan, Jon					

* Future project costs escalated at a rate of 2.5% per year.

CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
BP092B Colchester Avenue Sidepath - Phase II Mansfield Avenue to South Prospect Street VTrans Number: STP BP15(7)	\$77,840 CON				Total: \$96,000 PE: ROW: CON: \$96,000			Bike/ Pedestrian	STP 80 % Federal 10 % State 10 % Local	2015 Bike/Ped grant (\$77,840) for 385 feet of shared use path. Design completed with project BP092A. <u>VTrans PM:</u> Kaplan, Jon
BP090 North Avenue Crosswalks VTrans Number: TAP TA15(1)	\$180,316 CON				Total: \$274,250 PE: \$27,500 ROW: CON: \$246,750	\$40,000		Bike/ Pedestrian	STP 80 % Federal 0 % State 20 % Local	2015 Transportation Alternatives award (\$220,316) to construct 5 pedestrian crossings of North Avenue. <u>VTrans PM:</u> Robertson, Scott
RR006 Rail Crossing Safety Improvements - College Street VTrans Number: STP 2035(15)	\$1,035,000 CON				Total: \$1,351,106 PE: \$201,106 ROW: CON: \$1,150,000	\$44,000	\$508,500 CON	Safety/ Traffic Operations/ ITS	Section 130 Rail Grade Crossing 90 % Federal 10 % State 0 % Local	<u>VTrans PM:</u> Libby, Paul
HC015 Railyard Enterprise Project Waterfront South Area VTrans Number: BREP(2)				\$400,000 PE	Total: \$11,500,000 PE: \$1,200,000 ROW: \$300,000 CON: \$10,000,000	\$540,000		New Facility/ Major Roadway Upgrade	STP 80 % Federal 0 % State 20 % Local	Multimodal transportation infrastructure improvements between the Pine Street corridor and the Burlington Waterfront South area. <u>VTrans PM:</u> Perrigo, Joel
HP085 Shelburne Street Roundabout Shelburne St/South Willard St/St. Paul St VTrans Number: HES 5000(18)	\$240,000 PE/ROW	\$1,537,500 CON	\$5,941,284 CON		Total: \$8,175,000 PE: \$910,000 ROW: \$110,000 CON: \$7,155,000	\$680,000	\$100,000 ROW	Safety/ Traffic Operations/ ITS	Safety 100 % Federal 0 % State 0 % Local	Construction of a roundabout, drainage and associated work. <u>VTrans PM:</u> LaCroix, Mike

* Future project costs escalated at a rate of 2.5% per year.

CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
OT035 Stormwater Management Improvements on Main Street		\$475,000 CON			Total: \$593,750 PE: ROW: CON: \$593,750			Stormwater/ Environmental	STP 80 % Federal 0 % State 20 % Local	Municipal Highway and Stormwater Mitigation Program award (\$475,000) <

* Future project costs escalated at a rate of 2.5% per year.

CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
Charlotte										
RR008 Charlotte Rail Bridge over Thorp Brook					Total: \$525,000 PE: \$125,000 ROW: CON: \$400,000			Rail	State 0 % Federal 100 % State 0 % Local	Rehab bridge 252.7 over Thorp Brook. State funds only. Construction in 2020.
VTrans Number: VTRY()					State funds only					
VTrans PM: Libby, Paul										
RR009 Rail Crossing Improvements at Thompson Point Road	\$112,500 PE/CON				Total: \$125,000 PE: \$50,000 ROW: CON: \$75,000			Safety/ Traffic Operations/ ITS	Section 130 Rail Grade Crossing 90 % Federal 10 % State 0 % Local	
VTrans Number: STP 2035()										
VTrans PM: Libby, Paul										
HP019A US7 Reconstruction					Total: \$19,617,810 PE: \$2,331,705 ROW: \$925,000 CON: \$16,360,922	\$15,679,676	\$2,000,000 CON	Roadway Corridor Improvement	NHPP 95 % Federal 5 % State 0 % Local	Balance of project cost to be funded with SAFETEA-LU earmark (project HP019B).
Ferrisburg line north 2.9 miles										
VTrans Number: FEGC 019-4(20)					Funds to be obligated in FY18					
VTrans PM: Upmal, Ken										
HP131 US7/Ferry Road Traffic Signal Upgrade	\$475,000 CON				Total: \$535,000 PE: \$60,000 ROW: CON: \$475,000	\$30,000	\$60,000 PE	Safety/ Traffic Operations/ ITS	STP 100 % Federal 0 % State 0 % Local	Traffic signal system upgrade to include new mast arms, TS 2 cabinet with controller, stop bar detection and retroreflective back plates.
VTrans Number: NHG SGNL(49)										
VTrans PM: Sisson, Taylor										

* Future project costs escalated at a rate of 2.5% per year.

CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
Colchester										
HP119 Blakely Road/Laker Lane Intersection Improvements	\$525,000 CON				Total: \$655,000 PE: \$125,000 ROW: \$5,000 CON: \$525,000	\$44,594	\$425,000 ROW/CON	Safety/Traffic Operations/ ITS	STP 100 % Federal 0 % State 0 % Local	CIRC Altr Phase III project.
VTrans Number: STP 5600(21)					CIRC Alternative Project					
					<u>VTrans PM:</u> Deforge, Ande					
HP102 Exit 16 Improvements	\$250,000 ROW	\$2,050,000 CON	\$4,202,500 CON	\$2,207,626 CON	Total: \$10,050,000 PE: \$1,750,000 ROW: \$250,000 CON: \$8,050,000	\$850,000	\$900,000 PE/ROW	New Facility/ Major Roadway Upgrade	Safety 100 % Federal 0 % State 0 % Local	CIRC Altr Phase I project. Construction of a diverging diamond and improvements at Mountain View Dr., Hercules Dr. and Rathe Rd. PE included \$200,000 in Section 164 funds.
VTrans Number: HES NH 5600(14)					CIRC Alternative Project					
					<u>VTrans PM:</u> LaCroix, Mike					
IN014 Exit 16 Park and Ride					Total: \$2,406,179 PE: \$225,000 ROW: \$1,020,000 CON: \$1,161,179	\$1,924,910	\$800,000 CON	Intermodal	CMAQ 100 % Federal 0 % State 0 % Local	
VTrans Number: CMG PARK(47)					Funds to be obligated in FY18					
					<u>VTrans PM:</u> Bohl, Tina					
BR050 Exit 17 Improvements	\$2,225,000 PE	\$820,000 ROW		\$10,768,906 CON	Total: \$36,025,000 PE: \$2,225,000 ROW: \$800,000 CON: \$33,000,000	\$200,000		New Facility/ Major Roadway Upgrade	NHPP/STP 100 % Federal 0 % State 0 % Local	Project includes reconstruction of BR18A carrying US2 over I-89, interchange upgrades, and improvements to US2/7 intersection. CON in 2022- 2024.
VTrans Number: NH 028-1(31)										
					<u>VTrans PM:</u> Coburn, Patti					

* Future project costs escalated at a rate of 2.5% per year.

CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
OT039 Implementation of Stormwater Best Management Practices in Moorings Stream Watershed	\$44,250 PE	\$250,920 CON			Total: \$369,000 PE: \$55,350 ROW: CON: \$313,650		\$44,250 PE	Stormwater/ Environmental	STP 80 % Federal 0 % State 20 % Local	2018 Transportation Alternatives award (\$295,200)
VTrans Number: TAP TA18(1)					VTrans PM: Lemieux, Jon					
BP096 Mountain View Drive Sidewalk					Total: \$465,981 PE: \$65,981 ROW: \$30,000 CON: \$370,000	\$303,139		Bike/ Pedestrian	STP 80 % Federal 0 % State 20 % Local	2015 CCRPC Sidewalk grant (\$75,000); 2016 CCRPC Sidewalk grant (\$82,639); 2016 Bike/Ped (\$179,500)
US7 to Water Tower Circle VTrans Number: STP BP16(6)/ STP SDWK(20)	Funds to be obligated in FY18				VTrans PM: Perrigo, Joel					
OT033 Phosphorous Control Plan					Total: \$50,000 PE: \$50,000 ROW: CON:		\$40,000 Scoping	Stormwater/ Environmental	STP 80 % Federal 0 % State 20 % Local	Municipal Highway and Stormwater Mitigation Program award
VTrans Number: STP MM18(1)					VTrans PM: Robertson, Scott					
HP118 Prim Road/West Lakeshore Drive Intersection Improvements	\$50,000 ROW	\$1,435,000 CON	\$630,375 CON		Total: \$2,350,000 PE: \$300,000 ROW: \$50,000 CON: \$2,000,000	\$235,132	\$100,000 ROW	Safety/ Traffic Operations/ ITS	STP 100 % Federal 0 % State 0 % Local	CIRC Alt Phase III project.
VTrans Number: STP 5600(20)					VTrans PM: Deforge, Ande					
HP110 Severance Corners Intersection Project		\$205,000 ROW		\$3,930,651 CON	Total: \$4,448,257 PE: \$600,000 ROW: \$200,000 CON: \$3,648,257	\$200,000	\$280,000 PE	Safety/ Traffic Operations/ ITS	STP 100 % Federal 0 % State 0 % Local	CIRC Alt Phase II implementation project.
US7/Town Highway 7/Town Highway 9 VTrans Number: STPG 5600(17)	CIRC Alternative Project				VTrans PM: Lacroix, Mike					

* Future project costs escalated at a rate of 2.5% per year.

CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
HP117 Severance Road Path and Intersection Improvements					Total: \$2,400,000 PE: ROW: CON:			Roadway Corridor Improvement	STP 80 % Federal 20 % State 0 % Local	Circ Alt Phase III project. Includes a new shared use path and improvements to Severance Rd/Mill Pond Rd intersection.
VTrans Number:	CIRC Alternative Project - Funding schedule to be determined				<u>VTrans PM:</u> CIRC Alternative					
HP003 VT2A Improvements					Total: \$3,900,000 PE: ROW: CON:			Roadway Corridor Improvement	STP 80 % Federal 20 % State 0 % Local	CIRC Alternative Phase III project. Project includes improvements to Mill Pond Rd intersection.
Colchester Village VTrans Number: STP 5600(19)	CIRC Alternative Project - Funding schedule to be determined				<u>VTrans PM:</u> Coburn, Patti					
HP037 VT2A/US7/Creek Rd/Bay Rd Intersection					Total: \$7,754,281 PE: \$1,250,000 ROW: \$770,000 CON: \$5,754,281	\$5,225,065	\$906,120 CON	Safety/ Traffic Operations/ ITS	STP 80 % Federal 20 % State 0 % Local	
VTrans Number: STP 5600(9)S	Funds to be obligated in FY18				<u>VTrans PM:</u> Parizo, Erin					
BP070 West Lakeshore Drive Path	\$800,000 CON				Total: \$1,407,693 PE: \$307,693 ROW: \$100,000 CON: \$1,000,000	\$147,835	\$1,520,000 ROW/CON	Bike/ Pedestrian	STP 80 % Federal % State % Local	Project includes 2013 TA (\$250,000); 2015 TA (\$300,000); 2013 CCRPC Sidewalk (\$139,835); 2014 CCRPC Sidewalk (\$147,200); 2015 Bike/Ped (\$431,345).
Church Road to Prim Road VTrans Number: STP BP15(4)/ STP SDWK(16)/ TAP TA13(5)					<u>VTrans PM:</u> Gurley, Scott					

* Future project costs escalated at a rate of 2.5% per year.

CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
Colchester-Essex										
BP069 VT15 Multiuse Path	\$60,000 ROW		\$1,138,933 CON		Total: \$1,730,066 PE: \$300,000 ROW: \$75,000 CON: \$1,355,066	\$162,160	\$60,000 ROW	Bike/ Pedestrian	STP 80 % Federal 20 % State 0 % Local	CIRC Alternatives Phase II implementation project.
Lime Kiln Road to Susie Wilson Road VTrans Number: NH 030-1(34)	CIRC Alternative Project				VTrans PM: Parizo, Erin					
Colchester-South Hero										
BP106 Colchester Causeway Repairs					Total: PE: ROW: CON:		\$250,000 CON	Bike/ Pedestrian	STP 80 % Federal 20 % State 0 % Local	Repairs to the Colchester portion of the Causeway following storm damage.
VTrans Number: STP BP19(1)	Funds to be obligated in FY18				VTrans PM:					
Essex										
BR048 Alder Brook Culvert (BR2) on VT117	\$16,000 ROW		\$1,050,625 CON	\$706,440 CON	Total: \$2,330,000 PE: \$240,000 ROW: \$20,000 CON: \$2,070,000	\$147,296	\$92,000 PE	Bridge	STP 80 % Federal 20 % State 0 % Local	Replacement of a failed buried structure on VT117 carrying Alder Brook.
VTrans Number: BF 5400(9)					VTrans PM: Young, Robert					
BP091 Pinecrest Drive Sidewalk	\$174,216 CON				Total: \$357,770 PE: \$115,000 ROW: \$25,000 CON: \$217,770	\$100,000	\$194,215 ROW/CON	Bike/ Pedestrian	STP 80 % Federal 0 % State 20 % Local	2015 Transportation Alternatives grant (\$286,216)
VT2A to Suffolk Lane VTrans Number: TAP TA15(4)					VTrans PM: Perrigo, Joel					

* Future project costs escalated at a rate of 2.5% per year.

CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
OT025 Sydney Drive Detention Pond	\$12,000 ROW	\$172,000 CON			Total: \$315,000 PE: \$85,000 ROW: \$15,000 CON: \$215,000	\$68,000	\$175,954 CON	Stormwater/ Environmental	STP 80 % Federal 0 % State 20 % Local	2016 TA award (\$243,954) for retrofit of a detention pond in a wooded area adjacent to Sydney Drive.
VTrans Number: TAP TA16(5)					VTrans PM: Perrigo, Joel					
BP086 Towers Road Sidewalk	\$175,240 ROW/CON				Total: \$284,050 PE: \$65,000 ROW: \$50,000 CON: \$169,050	\$72,972	\$134,593 ROW/CON	Bike/ Pedestrian	STP 80 % Federal 10 % State 10 % Local	2014 Bike/Ped award (\$175,133) for 1,000 feet of sidewalk along Towers Road.
VTrans Number: STP BP14(7)					VTrans PM: Perrigo, Joel					
HP098B VT117 Paving	\$779,628 CON				Total: \$4,958,422 PE: \$200,662 ROW: CON: \$4,757,760	\$162,160	\$3,026,580 CON	Paving	NHPP 80 % Federal 20 % State 0 % Local	1.2 miles east of 5-Corners to Jericho Town Line.
VTrans Number: NH 2931(2)					VTrans PM: Kipp, Brandon					
OT023 VT117/North Williston Road Hazard Mitigation Improvements					Total: \$400,000 PE: ROW: CON:			Safety/ Traffic Operations/ ITS	STP 80 % Federal 20 % State 0 % Local	CIRC Alt Phase III project. Installation of a 6 ft box culvert, safety enhancements and armoring.
VTrans Number: CIRC Alternative Project - Funding schedule to be determined					VTrans PM: CIRC Alternative					
HP121 VT117/North Williston Road Intersection Improvements		\$51,250 ROW		\$3,096,061 CON	Total: \$3,175,000 PE: \$250,000 ROW: \$50,000 CON: \$2,875,000		\$250,000 PE	Safety/ Traffic Operations/ ITS	STP 100 % Federal 0 % State 0 % Local	CIRC Alt Phase III project.
VTrans Number: STP 5400(10)					VTrans PM: LaCroix, Mike					

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CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
BR060 VT128 Culvert BR1 Carrying Alder Brook	\$400,000 CON				Total: \$510,000 PE: \$10,000 ROW: CON: \$500,000			Bridge	STP 80 % Federal 0 % State 20 % Local	
VTrans Number: BM19501					VTrans PM:					
BP081 VT15 Sidewalk - Old Stage Road to Essex Way					Total: \$160,000 PE: ROW: CON:			Bike/ Pedestrian	STP 80 % Federal 20 % State 0 % Local	CIRC Alt Phase III project.
VTrans Number: CIRC Alternative Project - Funding schedule to be determined					VTrans PM: Coburn, Patti					
HP082 VT15/Sand Hill Road Intersection Improvements			\$262,656 CON	\$878,154 CON	Total: \$1,340,453 PE: \$200,000 ROW: \$75,000 CON: \$1,065,453	\$200,000	\$75,000 ROW	Safety/ Traffic Operations/ ITS	STP 100 % Federal 0 % State 0 % Local	CIRC Alt Phase II implementation project. Scoping completed February 2008.
VTrans Number: STPG 030-1(22) CIRC Alternative Project					VTrans PM: Sisson, Taylor					
HP101B VT2A/VT289 Intersection					Total: \$1,874,265 PE: \$235,000 ROW: CON: \$1,639,265	\$225,000	\$1,467,400 CON	Safety/ Traffic Operations/ ITS	STP 100 % Federal 0 % State 0 % Local	CIRC Alt Project. Phase II includes geometric changes to the intersection.
Phase II Improvements VTrans Number: STP 5400(7) CIRC Alternative Project - Funds to be obligated in FY18					VTrans PM: Coburn, Patti					
Essex Junction										
OT026 Creek Condominiums Stormwater Project	\$16,000 ROW	\$88,000 CON			Total: \$190,000 PE: \$60,000 ROW: \$20,000 CON: \$110,000	\$48,000		Stormwater/ Environmental	STP 80 % Federal 0 % State 20 % Local	2016 TA award (\$142,456) to construct a gravel wetland for runoff from Creek Condominiums and portions of a village road.
VTrans Number: TAP TA16(7)					VTrans PM: Perrigo, Joel					

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CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
HC014 Crescent Connector	\$3,800,000 CON				Total: \$7,299,639 PE: \$1,000,000 ROW: \$299,639 CON: \$6,000,000	\$1,054,040	\$1,000,000 CON	New Facility/ Major Roadway Upgrade	STP 80 % Federal 20 % State 0 % Local	CIRC Alt Phase I project. Construction of a new road connecting VT2A and VT117 and improvement to Railroad Street between VT117 and VT15.
VT2A to VT117 VTrans Number: STP 5300(13)	CIRC Alternative Project				<u>VTrans PM:</u> Perrigo, Joel					
HP111 Pearl Street Improvements					Total: \$2,960,000 PE: \$250,000 ROW: \$50,000 CON: \$2,660,000	\$2,145,717	\$1,700,000 CON	Roadway Corridor Improvement	STP 80 % Federal 20 % State 0 % Local	CIRC Alternatives Phase II implementation project.
Post Office Square to 5-Corners VTrans Number: STP 5300(14)	CIRC Alternative Project - Funds to be obligated in FY18				<u>VTrans PM:</u> Perrigo, Joel					
OT034 Phosphorous Control Plan					Total: \$50,000 PE: \$50,000 ROW: CON:		\$40,000 Scoping	Stormwater/ Environmental	STP 80 % Federal 0 % State 20 % Local	Municipal Highway and Stormwater Mitigation Program award
VTrans Number: STP MM18(2)	Funds to be obligated in FY18				<u>VTrans PM:</u>					
OT041 Purchase of Vacuum Flusher/Pipeline Truck	\$283,000				Total: \$353,750 PE: ROW: CON:			Stormwater/ Environmental	STP 80 % Federal 0 % State 20 % Local	2018 Transportation Alternatives award (\$283,000)
VTrans Number: TAP TA18(3)					<u>VTrans PM:</u>					

Essex, Williston

HP126 Signal Upgrades on VT2A and VT15					Total: \$3,375,000 PE: \$275,000 ROW: CON: \$3,100,000	\$1,854,000	\$2,089,000 CON	Safety/ Traffic Operations/ ITS	STP 100 % Federal 0 % State 0 % Local	Signal upgrades and associated improvements at 18 intersections on VT2A in Williston and VT15 in Essex.
Locations on US2, VT15 and VT2A VTrans Number: STPG SGNL(46)	CIRC Alternative Project - Funds to be obligated in FY18				<u>VTrans PM:</u> LaCroix, Mike					

* Future project costs escalated at a rate of 2.5% per year.

CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
Essex-Underhill										
HP132 VT15 Paving	\$1,600,000 CON	\$3,878,600 CON			Total: \$7,030,000 PE: \$300,000 ROW: CON: \$6,730,000	\$59,458	\$132,000 PE	Paving	STP 80 % Federal 20 % State 0 % Local	<u>VTrans PM:</u> Kipp, Brandon
MM 3.26 to MM 4.351 VTrans Number: STP PS19(6)										
Hinesburg										
BR053 BR24 (Cattle-pass) on VT116	\$28,000 ROW	\$707,250 CON			Total: \$947,500 PE: \$50,000 ROW: \$35,000 CON: \$862,500	\$28,000		Bridge	STP 80 % Federal 20 % State 0 % Local	Replace a failing cattle underpass <u>VTrans PM:</u> McCarthy, J.B.
North of North Road VTrans Number: BF 021-1(35)										
BP066 Village North Sidewalk	\$124,000 CON				Total: \$255,000 PE: \$85,000 ROW: \$15,000 CON: \$155,000	\$81,080	\$124,000 CON	Bike/ Pedestrian	STP 80 % Federal 10 % State 10 % Local	2012 Bike/Ped grant (\$190,538) <u>VTrans PM:</u> Kaplan, Jon
VT116 from Commerce Street to Riggs Road VTrans Number: STP BIKE(54)										
BP098 Village South Sidewalk	\$4,000 ROW	\$96,000 CON			Total: \$165,000 PE: \$40,000 ROW: \$5,000 CON: \$120,000	\$32,054		Bike/ Pedestrian	STP 80 % Federal 0 % State 20 % Local	2016 Bike/Ped grant (\$120,500) <u>VTrans PM:</u> Robertson, Thad
VT116 from School to Friendship Lane VTrans Number: STP BP16(11)										

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CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
HP058 VT116/CVU Road Improvements	\$250,000 CON	\$2,688,329 CON			Total: \$3,572,760 PE: \$550,000 ROW: \$150,000 CON: \$2,872,760	\$430,202	\$1,874,759 CON	Safety/ Traffic Operations/ ITS	STP 100 % Federal 0 % State 0 % Local	Improvements including left turn lanes on VT116. Section 164 funds used for PE.
VT116/TH1/TH7 VTrans Number: HES 021-1(19)										<u>VTrans PM:</u> Coburn, Patti

Huntington

BR055 BR32 on Camels Hump Road	\$200,000 PE				Total: \$250,000 PE: \$250,000 ROW: CON:		\$16,000 Scoping	Bridge	STP 80 % Federal 10 % State 10 % Local	
VTrans Number: BP 1445(38)		Construction schedule to be determined								<u>VTrans PM:</u>

Interstate/Expressway

OT032 Allen Brook Stormwater Flow Restoration	\$657,000 CON				Total: \$1,030,000 PE: \$300,000 ROW: CON: \$730,000	\$22,500	\$112,500 PE	Stormwater/ Environmental	IM 90 % Federal 10 % State 0 % Local	Stormwater project for Allen Brook in the area of I-89 mm 80 to 84. This project will design and construct a system using best management practices to implement VTrans flow restoration plans. Project will be within the state highway right-of-way.
Allen Brook VTrans Number: IM SWFR(1)										<u>VTrans PM:</u> Devlin, Jesse
BR047 I-89 Bridge Rehabilitation, Bolton		\$277,450 CON			Total: \$410,759 PE: \$110,000 ROW: CON: \$300,759	\$76,500		Bridge	NHPP 90 % Federal 10 % State 0 % Local	
Culvert 51-3 Carrying Notch Road VTrans Number: IM 089-2(45)										<u>VTrans PM:</u> McCarthy, J.B.

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CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
BR032 I-89 Bridge Rehabilitation, Colchester BR76 (Bay Road) and BR77 (Mallets Creek) VTrans Number: IM 089-3(69)		\$5,125,000 CON	\$3,454,770 CON		Total: \$10,172,452 PE: \$963,230 ROW: CON: \$9,209,222	\$347,580		Bridge	NHPP 90 % Federal 10 % State 0 % Local	Necessary rehabilitation of bridges 76 N&S and 77 N&S. Project schedule to be coordinated with Colchester Exit 16 Project (HP102). <u>VTrans PM:</u> Summer, Todd
BR041 I-89 Culvert Improvements, South Burlington Culverts 63 and 64. VTrans Number: IM CULV(24)					Total: \$11,464,845 PE: \$306,209 ROW: CON: \$11,158,636	\$6,379,000	\$6,187,689 CON	Bridge	NHPP 95 % Federal 5 % State 0 % Local	Design build project. <u>VTrans PM:</u> Mahendraratnam, T
HP133 I-89 Paving, Waterbury- Richmond NB and SB lanes, MM 66 to MM 79 VTrans Number: IM SURF(58)	\$5,340,600 CON				Total: \$6,950,000 PE: \$50,000 ROW: CON: \$6,900,000			Paving	NHPP 90 % Federal 10 % State 0 % Local	86 percent of project length in Chittenden County <u>VTrans PM:</u> Kipp, Brandon
BR059 Richmond BR29 on US2 over I- 89 VTrans Number: IM 089-2(52)	\$162,000 PE				Total: PE: \$180,000 ROW: CON:			Bridge	IM 90 % Federal 10 % State 0 % Local	New bridge on new alignment adjacent to existing bridge. <u>VTrans PM:</u> Wark, Nicholas
			Construction schedule to be determined							

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CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
Jericho										
BP083 Browns River Middle School and Union ID School Crossing Improvements					Total: \$233,200 PE: \$40,000 ROW: CON: \$193,200	\$32,432	\$154,560 CON	Bike/ Pedestrian	STP 80 % Federal 10 % State 10 % Local	2014 Bike/Ped award for design and construction of crossings with RRFB and Ped Hybrid Beacon to cross VT15.
VTrans Number: STP BP14(2)	Funds to be obligated in FY18				<u>VTrans PM:</u> Bohl, Tina					
BP065B Browns Trace Multimodal Connection	\$20,000 ROW		\$308,000 CON		Total: \$460,000 PE: \$50,000 ROW: \$25,000 CON: \$385,000	\$40,540		Bike/ Pedestrian	STP 80 % Federal 10 % State 10 % Local	2015 Bike/Ped award (\$352,700)
Pratt Road to Lee River Road - Segment 2					<u>VTrans PM:</u> Perrigo, Joel					
VTrans Number: STP BP15(10)										
BP100 Lee River Road Sidewalk		\$12,000 ROW		\$208,000 CON	Total: \$350,000 PE: \$75,000 ROW: \$15,000 CON: \$260,000	\$60,000		Bike/ Pedestrian	STP 80 % Federal 0 % State 20 % Local	2017 TA award (\$220,587) to design and construct 1,000 feet of sidewalk and other pedestrian improvements
VTrans Number: TAP TA17(1)					<u>VTrans PM:</u>					
HP093 VT15/Browns Trace Intersection Improvements					Total: \$2,593,085 PE: \$480,000 ROW: \$200,000 CON: \$1,913,085	\$1,803,842	\$209,338 CON	Safety/ Traffic Operations/ ITS	Safety 100 % Federal 0 % State 0 % Local	To be funded with Section 148 HSIP funds. Westbound left turn lane to be added.
VTrans Number: STP HES 030-1(21)	Funds to be obligated in FY18				<u>VTrans PM:</u> Parizo, Erin					

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CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
Jericho-Richmond										
HP098A VT117 Paving	\$2,161,340 CON				Total: \$6,930,293 PE: \$349,145 ROW: CON: \$6,581,148	\$349,145	\$3,103,578 CON	Paving	STP 80 % Federal 20 % State 0 % Local	Essex Town Line to US2.

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CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
HP007 US7/Middle Rd/Railroad St Intersection US7/TH1 VTrans Number: STP 5800(3)	\$500,000 PE/ROW		\$1,050,625 CON	\$2,692,227 CON	Total: \$4,200,000 PE: \$550,000 ROW: \$150,000 CON: \$3,500,000	\$200,000		Safety/ Traffic Operations/ ITS	STP 100 % Federal 0 % State 0 % Local	Northern section to be funded by VTrans, southern section to be funded by Milton. <u>VTrans PM:</u> Coburn, Patti

Regional

BR003 Bridge Inspection Regional VTrans Number:	\$50,000 PE	\$50,000 PE	\$50,000 PE	\$50,000 PE	Total: PE: ROW: CON:		\$50,000 PE	Bridge	NHPP/STP % Federal % State % Local	CCRPC share of VTrans bridge inspection program. Funding shares to be determined. <u>VTrans PM:</u> Regional
BR033 Bridge Preventative Maintenance Regional VTrans Number:	\$250,000 PE/ROW/CON	\$250,000 PE/ROW/CON	\$250,000 PE/ROW/CON	\$250,000 PE/ROW/CON	Total: PE: ROW: CON:		\$250,000 PE/ROW/CON	Bridge	NHPP/STP % Federal % State % Local	Bridge preventative maintenance and painting for state and interstate bridges in Chittenden County. Funding shares to be determined. <u>VTrans PM:</u> Regional
BR004 Bridge Scoping and Preliminary Engineering Regional VTrans Number:	\$100,000 PE	\$100,000 PE	\$100,000 PE	\$100,000 PE	Total: PE: ROW: CON:		\$100,000 PE	Bridge	NHPP/STP % Federal % State % Local	Funding for VTrans scoping and preliminary engineering. Funding shares to be determined. <u>VTrans PM:</u> Regional
OT006 Design Scoping Projects Regional VTrans Number:	\$100,000 PE	\$100,000 PE	\$100,000 PE	\$100,000 PE	Total: PE: ROW: CON:		\$100,000 PE	Safety/ Traffic Operations/ ITS	NHPP/STP % Federal % State % Local	Funding for VTrans scoping in Chittenden County. Funding shares to be determined. <u>VTrans PM:</u> Regional

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CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
OT005 Local Roads	\$16,000	\$16,000	\$16,000	\$16,000	Total: PE: ROW: CON:		\$16,000	Safety/ Traffic Operations/ ITS	LTAP 80 % Federal 20 % State 0 % Local	CCRPC's share of the statewide Local Roads program. Funds are non- constrained.
Regional VTrans Number:										<u>VTrans PM:</u> Regional
OT017 Modifications and Overruns	\$500,000 PE/ROW/CON	\$500,000 PE/ROW/CON	\$500,000 PE/ROW/CON	\$500,000 PE/ROW/CON	Total: PE: ROW: CON:		\$500,000 PE/ROW/CON	Safety/ Traffic Operations/ ITS	NHPP/STP % Federal % State % Local	Funds to be used for projects that have been completed but are still incurring costs. Funding shares to be determined.
VTrans Number:										<u>VTrans PM:</u> Regional
HP012 Pavement Marking	\$40,000 CON	\$40,000 CON	\$40,000 CON	\$40,000 CON	Total: PE: ROW: CON:		\$40,000 CON	Paving	NHPP/STP 100 % Federal 0 % State 0 % Local	Funding for VTrans annual pavement marking in Chittenden County.
Regional VTrans Number:										<u>VTrans PM:</u> Regional
HP016 Paving	\$50,000 PE/CON	\$50,000 PE/CON	\$50,000 PE/CON	\$50,000 PE/CON	Total: PE: ROW: CON:		\$50,000 PE/CON	Paving	NHPP/STP % Federal % State % Local	Funding for VTrans design of paving projects in Chittenden County. Funding shares to be determined.
Regional VTrans Number:										<u>VTrans PM:</u> Regional
BP022 Regional Recreational Trails	\$70,000 CON	\$70,000 CON	\$70,000 CON	\$70,000 CON	Total: PE: ROW: CON:		\$70,000 CON	Bike/ Pedestrian	Rec Trails 80 % Federal 0 % State 20 % Local	Recreational trails program administered by the Vermont Agency of Natural Resources.
VTrans Number:										<u>VTrans PM:</u> Regional

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CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
OT001 Regional Safety	\$250,000	\$250,000	\$250,000	\$250,000	Total:		\$175,000	Safety/ Traffic Operations/ ITS	Safety	Funding for safety projects. Funding shares to be determined.
Regional	PE/ROW/CON	PE/ROW/CON	PE/ROW/CON	PE/ROW/CON	PE:		PE/ROW/CON			
VTrans Number:					ROW:				% Federal	
					CON:				% State	
									% Local	<u>VTrans PM:</u> Regional
HP115 Slopes and Ledges	\$250,000	\$250,000	\$250,000	\$250,000	Total:		\$250,000	Slopes and Ledges	NHPP/STP	Funding for projects to address and maintain stability of slopes. Funding shares to be determined.
	PE/ROW/CON	PE/ROW/CON	PE/ROW/CON	PE/ROW/CON	PE:		PE/ROW/CON			
VTrans Number:					ROW:				% Federal	
					CON:				% State	
									% Local	<u>VTrans PM:</u> Regional
BR054 Small Culverts	\$100,000	\$100,000	\$100,000	\$100,000	Total:		\$100,000	Bridge	NHPP/STP	Funding for small culvert projects in Chittenden County.
Regional	PE/ROW/CON	PE/ROW/CON	PE/ROW/CON	PE/ROW/CON	PE:		PE/ROW/CON			
VTrans Number:					ROW:				% Federal	
					CON:				% State	
									% Local	<u>VTrans PM:</u> Regional
HP050 Statewide Traffic Signal Re- Timing	\$35,000	\$35,000	\$35,000	\$35,000	Total:		\$35,000	Safety/ Traffic Operations/ ITS	STP	Funding for Chittenden County share of VTrans statewide optimization of traffic signals on the state system.
	PE	PE	PE	PE	PE:		PE			
VTrans Number:					ROW:				100 % Federal	
					CON:				0 % State	
									0 % Local	<u>VTrans PM:</u> Regional
HP027 Traffic Signals	\$10,000	\$10,000	\$10,000	\$10,000	Total:		\$10,000	Safety/ Traffic Operations/ ITS	STP	Funding for VTrans scoping and preliminary engineering for traffic signals on the state system in Chittenden County.
Regional	PE	PE	PE	PE	PE:		PE			
VTrans Number:					ROW:				100 % Federal	
					CON:				0 % State	
									0 % Local	<u>VTrans PM:</u> Regional

* Future project costs escalated at a rate of 2.5% per year.

CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
Shelburne										
OT027 Nesti/VELCO Gravel Wetlands Project	\$71,000 CON				Total: \$360,000 PE: \$60,000 ROW: CON: \$300,000	\$16,000		Stormwater/ Environmental	STP 80 % Federal 0 % State 20 % Local	2016 TA award (\$87,000) to construct a gravel wetland stormwater treatment system to treat runoff from Shelburne Bay. Other funding sources include Lake Champlain Basin Program, Waterwheel Foundation and Clean Water Initiative Program. <u>VTrans PM:</u> Perrigo, Joel
VTrans Number: TAP TA16(6)										
BP104 Town Hall/Parade US7 Crosswalk Upgrade					Total: \$3,850 PE: CON ROW: CON:		\$3,850 CON	Bike/ Pedestrian	STSP 80 % Federal 0 % State 20 % Local	2017 Bike&Ped Award (\$3,850) for a rectangular rapid flashing beacon (RRFB) on US7. <u>VTrans PM:</u>
VTrans Number: Funds to be obligated in FY18										
HP127 US7/Harbor Road/Falls Road					Total: \$1,540,000 PE: \$140,000 ROW: CON: \$1,400,000			Safety/ Traffic Operations/ ITS	STP 80 % Federal 20 % State 0 % Local	Intersection upgrades. Illustrative project pending the availability of federal funds. <u>VTrans PM:</u>
VTrans Number: Illustrative										
Shelburne-South Burlington										
HP137 US7 Signal Upgrades					Total: \$75,000 PE: Scoping ROW: CON:		\$75,000 Scoping	Safety/ Traffic Operations/ ITS	NHPP 100 % Federal 0 % State 0 % Local	Signal upgrades in 16 locations on US7 between Webster Rd and Swift St. <u>VTrans PM:</u> Coburn, Patti
Webster Road to Swift Street										
VTrans Number: NHG SGNL(51) Funding schedule to be determined										

* Future project costs escalated at a rate of 2.5% per year.

CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
South Burlington										
OT037 Bartlett Brook Stormwater Treatment System Expansion	\$1,313 ROW	\$117,423 CON			Total: \$469,650 PE: \$20,200 ROW: \$5,050 CON: \$444,400		\$5,252 PE	Stormwater/ Environmental	STP 26 % Federal 54 % State 20 % Local	Municipal Highway and Stormwater Mitigation Program award (\$123,988 fed, \$251,732 state)
VTrans Number: STP MM18(17)					VTrans PM:					
OT043 Construction of Sub-surface Stormwater Infiltration and Detention System		\$233,200 CON			Total: \$302,500 PE: \$11,000 ROW: CON: \$291,500		\$8,800 PE	Stormwater/ Environmental	STP 80 % Federal 0 % State 20 % Local	2018 Transportation Alternatives award (\$242,000)
VTrans Number: TAP TA18(6)					VTrans PM:					
OT044 Expansion of Kennedy Drive Stormwater Pond	\$267,440 CON				Total: \$407,000 PE: \$44,000 ROW: CON: \$363,000		\$32,560 PE	Stormwater/ Environmental	STP 74 % Federal 0 % State 26 % Local	2018 Transportation Alternatives award (\$300,000)
VTrans Number: TAP TA18(7)					VTrans PM:					
HC012 I-89 Exit 14 Area Signal Upgrades	\$1,063,982				Total: \$1,330,000 PE: ROW: CON:		\$1,251,520 PE/CON	Safety/ Traffic Operations/ ITS	SAFETEA-LU Earmark 80 % Federal 0 % State 20 % Local	SAFETEA-LU earmark. Demo ID number VT039. Earmark amount \$4 M programmed at 90%. Funds were used for Improvements to I-89 Exit 14 Ramp C and for Staples Lane. \$1,063,982 remains in the earmark.
Williston Road and Dorset Street VTrans Number:					VTrans PM: Earmark					

* Future project costs escalated at a rate of 2.5% per year.

CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
BR058 Kimball Avenue/Marshall Avenue Culvert Scoping					Total: \$66,240 PE: \$82,800 ROW: CON:		Scoping	Bridge	STP 80 % Federal 0 % State 20 % Local	Municipal Highway and Stormwater Mitigation Program award <u>VTrans PM:</u>
VTrans Number: STP MM18(3)	Funds to be obligated in FY18									
HC010B Market Street Reconstruction	\$2,500,000 CON				Total: \$6,733,369 PE: \$2,000,000 ROW: \$120,000 CON: \$4,613,369	\$1,062,600	\$2,500,000 CON	New Facility/ Major Roadway Upgrade	SAFETEA-LU Earmark 80 % Federal 0 % State 20 % Local	Demo ID number VT058. Earmark amount \$5 M programmed at 90%. Balance of PE to come from STP Earmark (Project HC010A). <u>VTrans PM:</u> Perrigo, Joel
Transportation Improvements VTrans Number: STP 5200(17)										
OT029 Picard Circle Stormwater Improvements			\$233,547 CON		Total: \$358,933 PE: \$65,000 ROW: \$2,000 CON: \$291,933	\$52,000	\$1,600 ROW	Stormwater/ Environmental	STP 80 % Federal 0 % State 20 % Local	2017 TA award (\$229,600) to design and construct stormwater infiltration and drainage infrastructure. <u>VTrans PM:</u>
VTrans Number: TAP TA17(6)										
BR043 VT116 Potash Brook Culvert					Total: \$2,379,052 PE: \$335,552 ROW: \$5,000 CON: \$2,038,500	\$1,792,881	\$621,090 CON	Bridge	STP 80 % Federal 20 % State 0 % Local	Replace culvert <u>VTrans PM:</u> Upmal, Ken
VTrans Number: STP SCR18(8)	Funds to be obligated in FY18									
BP102 Williston Road Cycle Track and Pedestrian Improvements	\$488,000 ROW			\$108,885 CON	Total: \$2,412,697 PE: \$253,894 ROW: \$610,049 CON: \$1,548,753		\$203,115 PE	Bike/ Pedestrian	STP % Federal % State % Local	New asphalt bike/ped facility on the south side of Williston Road. 2017 Bike&Ped Award (\$800,000). Project to be funded with 50% TIF district financing. <u>VTrans PM:</u>
Dorset Street to Midas Drive/White Street VTrans Number:										

* Future project costs escalated at a rate of 2.5% per year.

CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19	FY20*	FY21*	FY22*	Total Cost	Fed. Funds	FY18 Fed	Project Use Category	Federal Funding Source	Remarks
	Phase	Phase	Phase	Phase	fed+state+local in 2018 Dollars	Obligated Thru FY17	Funds Phase			

St. George

HP134
VT116/VT2A Improvements

VTrans Number: STP 021-1(36)

Funding schedule to be determined

Total:
PE:
ROW:
CON:

\$20,000
Scoping

Safety/ Traffic
Operations/ ITS

STP

100 % Federal
0 % State
0 % Local

VTrans PM:
Coburn, Patti

Transit

TR061A
GMT Capital - Buses, Facilities
and Equipment

\$2,000,000

\$5,500,000

\$6,500,000

\$5,000,000

VTrans Number:

Total:
PE:
ROW:
CON:

\$10,000,000

Transit System

FTA Sec. 5339

80 % Federal
10 % State
10 % Local

Federal funds for vehicle replacement past their useful life, facilities, transit technology, shelters, lighting, bike racks and support equipment. Pending award of funds.

VTrans PM:
Transit

TR078
GMT Capital - Facility and Bus
Heavy Repairs

\$700,000

\$330,000

\$340,000

\$350,000

VTrans Number:

Total:
PE:
ROW:
CON:

\$1,000,000

Transit System

STP Transfer

80 % Federal
10 % State
10 % Local

Facility and bus PM such as HVAC, energy efficiency, roof, doors, lifts, engines, transmissions, floors, radiators. Pending award of funds to GMT.

VTrans PM:
Transit

TR076
GMT Capital - Fare Payment
System Improvement

\$1,000,000

\$500,000

\$500,000

VTrans Number:

Total:
PE:
ROW:
CON:

\$1,000,000

Transit System

STP Transfer

80 % Federal
10 % State
10 % Local

Improved fare payment system. Pending award of funds to GMT.

VTrans PM:
Transit

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CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
TR030B GMT Operation	\$260,000	\$267,800	\$275,834	\$284,109	Total: PE: ROW: CON:		\$350,000	Transit Service	Transfer from 5311 to 5307 50 % Federal 50 % State 0 % Local	Pending award of funds to GMT. <u>VTrans PM:</u> Transit
TR063 GMT Passenger Amenities		\$100,000	\$100,000	\$100,000	Total: PE: ROW: CON:		\$300,000	Transit System	STP Transfer 80 % Federal 10 % State 10 % Local	Funding for passenger amenities. Pending award of funds to GMT. <u>VTrans PM:</u> Transit
TR046 GMT Preventative Maintenance	\$1,777,000	\$1,830,000	\$1,885,000	\$1,941,550	Total: PE: ROW: CON:		\$1,725,000	Transit System	STP Transfer 80 % Federal 0 % State 20 % Local	Pending award of funds to GMT. <u>VTrans PM:</u> Transit
TR054(4)-S GMT Service - Burlington-Montpelier Inter-Regional Bus Service Burlington-Montpelier	\$31,000	\$31,143	\$32,077	\$33,039	Total: PE: ROW: CON:		\$29,355	Transit Expansion	CMAQ 80 % Federal 0 % State 20 % Local	Additional trip at 4 pm on Burlington-Montpelier link due to standees. Pending award of funds to GMT. Funding is shown in year prior to service year to accommodate application review time. <u>VTrans PM:</u> Transit
TR087 GMT Service - Burlington-Waterbury Inter-Regional Bus Service Burlington-Waterbury	\$35,000				Total: PE: ROW: CON:		\$108,178	Transit Expansion	CMAQ 80 % Federal 20 % State 0 % Local	Burlington to Waterbury service to consist of 2 morning and 2 evening trips. <u>VTrans PM:</u> Transit

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CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
TR085-S GMT Service - Essex Evening Essex VTrans Number:	\$37,132	\$38,245	\$39,392	\$40,574	Total: PE: ROW: CON:		\$36,050	Transit Expansion	CMAQ 80 % Federal 0 % State 20 % Local	Pending award of funds to GMT. Funding is shown in year prior to service year to accommodate application review time. <u>VTrans PM:</u> Transit
TR067-S GMT Service - Hinesburg Route Hinesburg Route VTrans Number:	\$69,277	\$71,355	\$73,496	\$75,701	Total: PE: ROW: CON:		\$67,259	Transit Expansion	CMAQ 80 % Federal 0 % State 20 % Local	Pending award of funds to GMT. Funding is shown in year prior to service year to accommodate application review time. <u>VTrans PM:</u> Transit
TR074-S GMT Service - Milton Route Milton VTrans Number:	\$175,049	\$180,300	\$185,709	\$191,280	Total: PE: ROW: CON:		\$169,950	Transit Expansion	CMAQ 80 % Federal 0 % State 20 % Local	Pending award of funds to GMT. Funding is shown in year prior to service to accommodate application review time. <u>VTrans PM:</u> Transit
TR077-S GMT Service - North Avenue Increased Peak Frequencies North Avenue VTrans Number:		\$340,000	\$350,000	\$360,500	Total: PE: ROW: CON:			Transit Expansion	CMAQ 80 % Federal 0 % State 20 % Local	15-minute service. Pending award of funds to GMT. <u>VTrans PM:</u> Transit
TR064-S GMT Service - US2 Corridor US2 VTrans Number:	\$761,969	\$784,828	\$808,373	\$832,624	Total: PE: ROW: CON:		\$739,776	Transit Expansion	CMAQ 80 % Federal 0 % State 20 % Local	Pending award of funds to GMT. Funding is shown in year prior to service year to accommodate application review time. <u>VTrans PM:</u> Transit

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CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
TR088 Innovative Improvements - Fleet, Facility and Equipment		\$5,000,000			Total:			Transit System	FTA Sec. 5312	Transportation Improvement Generating Economic Recovery (TIGER) grant. Pending award of funds.
VTrans Number:					PE:				80 % Federal 10 % State 10 % Local	<u>VTrans PM:</u> Transit
TR004 Paratransit Rolling Stock - ADA	\$286,800	\$113,851	\$312,133	\$120,000	Total:		\$115,000	Transit System	FTA Sec. 5310/ STP Transfer	Replacement and expansion of sedan, cutaway and van fleet. Funding pending award of funds.
VTrans Number:					PE:				80 % Federal 10 % State 10 % Local	<u>VTrans PM:</u> Transit
TR060A Paratransit Rolling Stock - Elderly & Disabled	\$501,900	\$147,702	\$304,266	\$391,743	Total:		\$171,600	Transit System	VT. Sec. 5310	Replacement and expansion of sedan, cutaway and van fleet. Funding pending award.
VTrans Number:					PE:				80 % Federal 10 % State 10 % Local	<u>VTrans PM:</u> Transit
TR080 Paratransit Scheduling Software and Hardware	\$50,000	\$50,000	\$50,000	\$50,000	Total:			Transit System	STP Transfer	Maintenance and licensing fees. Funds awarded to VTrans. Pending award of funds to GMT.
VTrans Number:					PE:				80 % Federal 20 % State 0 % Local	<u>VTrans PM:</u> Transit
Underhill										
BP077 VT15/Underhill Flats Sidewalks	\$288,000 CON				Total:	\$458,500	\$75,405	\$288,000	Bike/ Pedestrian	2013 Bike/Ped Grant (\$347,022) for construction of 2,640 feet of sidewalk along VT15 from Park St. to Dumas.
VTrans Number: STP BP13(5)					PE:	\$72,500		CON		<u>VTrans PM:</u> Kaplan, Jon
					ROW:	\$26,000			80 % Federal 10 % State 10 % Local	
					CON:	\$360,000				

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CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19	FY20*	FY21*	FY22*	Total Cost	Fed. Funds	FY18 Fed	Project Use Category	Federal Funding Source	Remarks
	Phase	Phase	Phase	Phase	fed+state+local in 2018 Dollars	Obligated Thru FY17	Funds Phase			

HP136									
VT15 Paving	\$1,025,000	\$2,626,563	\$538,445	<i>Total: \$12,925,000</i>	<i>\$181,080</i>	<i>\$136,000</i>	<i>Paving</i>	<i>STP</i>	<i>40 percent of project length in Chittenden County</i>
	CON	CON	CON	<i>PE: \$425,000</i>		<i>PE</i>			
MM 4.351 (Underhill) to MM 5.01 (Cambridge)				<i>ROW:</i>				<i>80 % Federal</i>	
VTrans Number: STP PS19(11)				<i>CON: \$12,500,000</i>				<i>20 % State</i>	
								<i>0 % Local</i>	
									<u>VTrans PM:</u> Kipp, Brandon

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* Future project costs escalated at a rate of 2.5% per year.

CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
HC016B I-89 Exit 12 Improvements - Stage 2					Total: \$8,500,000 PE: ROW: CON:			New Facility/ Major Roadway Upgrade	NHPP/STP % Federal % State % Local	CIRC Alt Phase III project. New grid streets and at- grade intersection on VT2A.
VTrans Number: NH 5500()	CIRC Alternative Project - Funding schedule to be determined				<u>VTrans PM:</u> Upmal, Ken					
HC016C I-89 Exit 12 Improvements - Stage 3					Total: \$21,000,000 PE: ROW: CON:			New Facility/ Major Roadway Upgrade	NHPP/STP % Federal % State % Local	CIRC Alt Phase III project. Diverging diamond interchange
VTrans Number: NH 5500()	CIRC Alternative Project - Funding schedule to be determined				<u>VTrans PM:</u> Upmal, Ken					
HC016D I-89 Exit 12 Improvements - Stage 4					Total: PE: ROW: CON:			New Facility/ Major Roadway Upgrade	NHPP/STP % Federal % State % Local	CIRC Alt Phase III project. VT 2A boulevard upgrade from grid street intersection to Taft Corners
VTrans Number: NH 5500()	CIRC Alternative Project - Funding schedule to be determined				<u>VTrans PM:</u> Upmal, Ken					
OT030 Lamplite Acres Drainage Improvements	\$228,000 CON				Total: \$375,000 PE: \$75,000 ROW: \$15,000 CON: \$285,000	\$60,000	\$12,000 ROW	Stormwater/ Environmental	STP 80 % Federal 0 % State 20 % Local	2017 TA award (\$300,000) to design and construct critical drainage areas.
VTrans Number: TAP TA17(8)					<u>VTrans PM:</u>					
HP122 Mountain View Road Shoulder Improvements					Total: \$3,500,000 PE: ROW: CON:			Roadway Corridor Improvement	STP 80 % Federal 20 % State 0 % Local	CIRC Alt Phase III project. Shoulder improvements for bike/ped use. Project includes shoulders on Redmond Road to IBM Road.
VTrans Number:	CIRC Alternative Project - Funding schedule to be determined				<u>VTrans PM:</u> CIRC Alternative					

* Future project costs escalated at a rate of 2.5% per year.

CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
HP138 US2 Paving	\$1,540,000 CON				Total: \$1,944,681 PE: \$69,681 ROW: CON: \$1,925,000			Paving	STP 80 % Federal 20 % State 0 % Local	<u>VTrans PM:</u> Kipp, Brandon
VTrans Number: STP FPAV(10)										
BP079 US2 Shared Use Path - Taft Corners to Williston Village					Total: \$2,800,000 PE: ROW: CON:			Bike/ Pedestrian	STP 80 % Federal 20 % State 0 % Local	CIRC Alt Phase III project.
VTrans Number:		CIRC Alternative Project - Funding schedule to be determined								<u>VTrans PM:</u> CIRC Alternative
HP010 US2/Industrial Avenue Intersection	\$720,000 ROW	\$1,537,500 CON	\$2,458,463 CON		Total: \$6,660,000 PE: \$900,000 ROW: \$960,000 CON: \$4,800,000	\$926,430		Safety/ Traffic Operations/ ITS	STP 80 % Federal 20 % State 0 % Local	Reconstruction of intersection and resurfacing of US2 from S. Burlington line east 1.5 miles.
VTrans Number: STP M 5500(7)S										<u>VTrans PM:</u> Martin, Bruce
HP109 US2/Trader Lane Traffic Signal					Total: \$552,218 PE: \$36,282 ROW: CON: \$515,936	\$250,000		Safety/ Traffic Operations/ ITS	STP 0 % Federal 100 % State 0 % Local	CIRC Alternatives Phase II implementation project. To be funded with state funds. Construction in FY18.
VTrans Number: STPG 5500(14)		CIRC Alternative Project - CON in FY19 - State funds only								<u>VTrans PM:</u> Parizo, Erin
BR057 VT2A Culvert		\$256,250 CON			Total: \$387,500 PE: \$60,000 ROW: \$15,000 CON: \$312,500		\$12,000 ROW	Bridge	STP 80 % Federal 20 % State 0 % Local	
South of Helena Drive VTrans Number: STP SCR(17)										<u>VTrans PM:</u> Upmal, Ken

* Future project costs escalated at a rate of 2.5% per year.

CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
BP101 VT2A Infill Sidewalk, South of Taft Corners - West Side					Total: \$174,000 PE: \$62,000 ROW: \$12,000 CON: \$100,000	\$8,000	\$68,886 CON	Bike/ Pedestrian	STP 80 % Federal 0 % State 20 % Local	CCRPC Sidewalk grants - FY15 - \$75,000; FY16 - \$41,866.
VTrans Number: STP SDWK(21)	Funds to be obligated in FY18				VTrans PM: Perrigo, Joel					
BP080 VT2A Taft Corners Area Sidewalk/Shared Use Path					Total: \$450,000 PE: ROW: CON:			Bike/ Pedestrian	STP 80 % Federal 20 % State 0 % Local	CIRC Alt Phase III project. Project to fill gaps south of US2 and between Knight Ln and O'Brien Ct.
VTrans Number:	CIRC Alternative Project - Funding schedule to be determined				VTrans PM: CIRC Alternative					
HP123 VT2A/Industrial Avenue/Mountain View Road Intersection Improvements	\$250,000 PE	\$51,250 ROW		\$4,188,524 CON	Total: \$4,389,461 PE: \$450,000 ROW: \$50,000 CON: \$3,889,461	\$200,000		Safety/ Traffic Operations/ ITS	STP 100 % Federal 0 % State 0 % Local	CIRC Alt Phase III project. Project includes new two- way left-turn lane between Industrial Ave and River Cove Rd.
VTrans Number: STP 5500(17)	CIRC Alternative Project				VTrans PM: Coburn, Patti					
HP090 VT2A/James Brown Drive Traffic Signal	\$1,313,422 CON				Total: \$3,563,422 PE: \$600,000 ROW: \$450,000 CON: \$2,513,422	\$1,050,000	\$1,200,000 CON	Safety/ Traffic Operations/ ITS	STP 100 % Federal 0 % State 0 % Local	CIRC Alt Phase I project. Traffic signal at James Brown Drive with pedestrian phasing and crosswalks, two-way left- turn lane from River Cove Rd. to Eastview Dr., sidewalk on east side of VT2A.
VTrans Number: STP HES 5500(12)	CIRC Alternative Project				VTrans PM: Parizo, Erin					

* Future project costs escalated at a rate of 2.5% per year.

CCRPC # Project Location	FY19-22 Federal Funds				Other Project Information					
	FY19 Phase	FY20* Phase	FY21* Phase	FY22* Phase	Total Cost fed+state+local in 2018 Dollars	Fed. Funds Obligated Thru FY17	FY18 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
IN004A Williston Park and Ride	\$2,300,000 CON				Total: \$4,528,000 PE: \$600,000 ROW: \$1,628,000 CON: \$2,300,000	\$2,228,000	\$1,400,000 CON	Intermodal	CMAQ	Construct park and ride lot near I-89 Exit 12.
New park and ride lot south of I-89 VTrans Number: CMG PARK(29)									100 % Federal 0 % State 0 % Local	<u>VTrans PM:</u> Bohl, Tina

Winooski

BP099 Gateways Crosswalk Enhancements	\$4,000 ROW		\$219,104 CON		Total: \$360,580 PE: \$81,700 ROW: \$5,000 CON: \$273,880			Bike/ Pedestrian	STP	2017 TA award (\$289,000) to construct enhanced crosswalk treatments at five locations: Main/ Normand; Main/ Burlington; Main/ LaFountain/ Stevens; Main/ Union/ Platt; Malletts Bay/ Elm/ St Peter.
Five Intersections VTrans Number: TAP TA17(2)									80 % Federal 0 % State 20 % Local	<u>VTrans PM:</u> Kaplan, Jon

* Future project costs escalated at a rate of 2.5% per year.

Section 3: Summary of Financial Statistics

CCRPC FY2019-2022 TIP Funding by Project Use Category

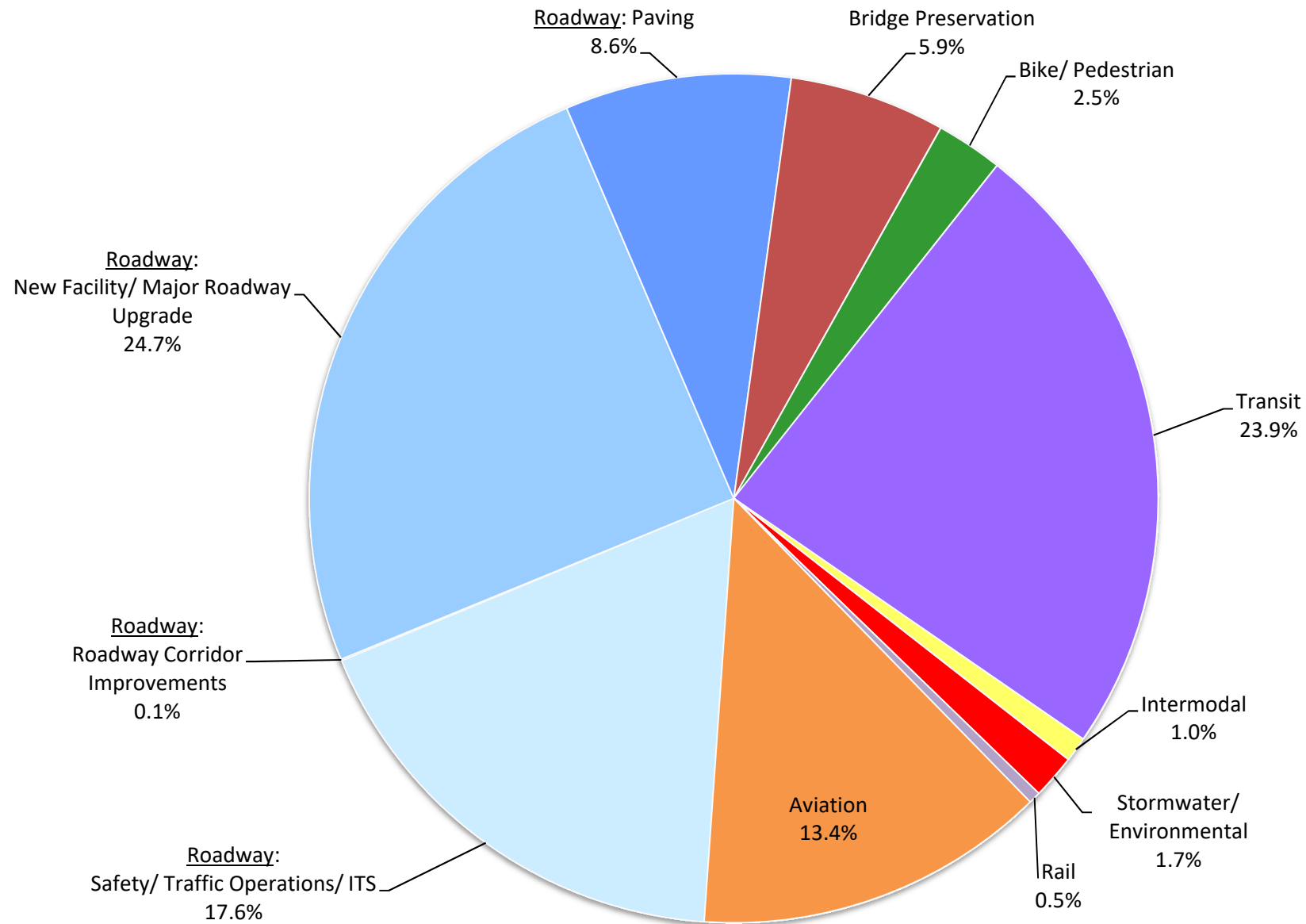
<i>Funding Uses</i>	FY19 Federal Funds	FY20 Federal Funds	FY21 Federal Funds	FY22 Federal Funds
Safety/ Traffic Operations/ ITS	\$7,445,904	\$8,416,829	\$11,254,403	\$15,696,617
Roadway Corridor Improvements	\$150,000			
New Facility/ Major Roadway Upgrade	\$19,049,185	\$16,125,301	\$9,629,577	\$15,099,557
Paving	\$11,761,568	\$5,243,600	\$2,966,563	\$878,445
Bridge Preservation	\$1,306,000	\$6,865,950	\$5,005,395	\$1,206,440
Bike/ Pedestrian	\$2,551,962	\$880,000	\$2,330,437	\$386,885
Transit	\$9,686,056	\$19,393,681	\$15,135,848	\$13,753,075
Intermodal	\$2,300,000			
Stormwater/ Environmental	\$1,894,173	\$1,935,734	\$233,547	
Rail	\$96,600	\$899,438		
Aviation	\$13,370,000	\$7,145,000	\$5,888,889	\$6,088,888
Total	\$69,611,448	\$66,905,533	\$52,444,659	\$53,109,907

Note: Many of the projects listed in the categories Safety/ Traffic Operations/ ITS, Roadway Corridor Improvements, and New Facility/ Major Roadway Upgrade also include improvements to bicycle and/or pedestrian facilities.

CCRPC FY2019-2022 TIP Funding by Federal Funding Source and Constraint Status

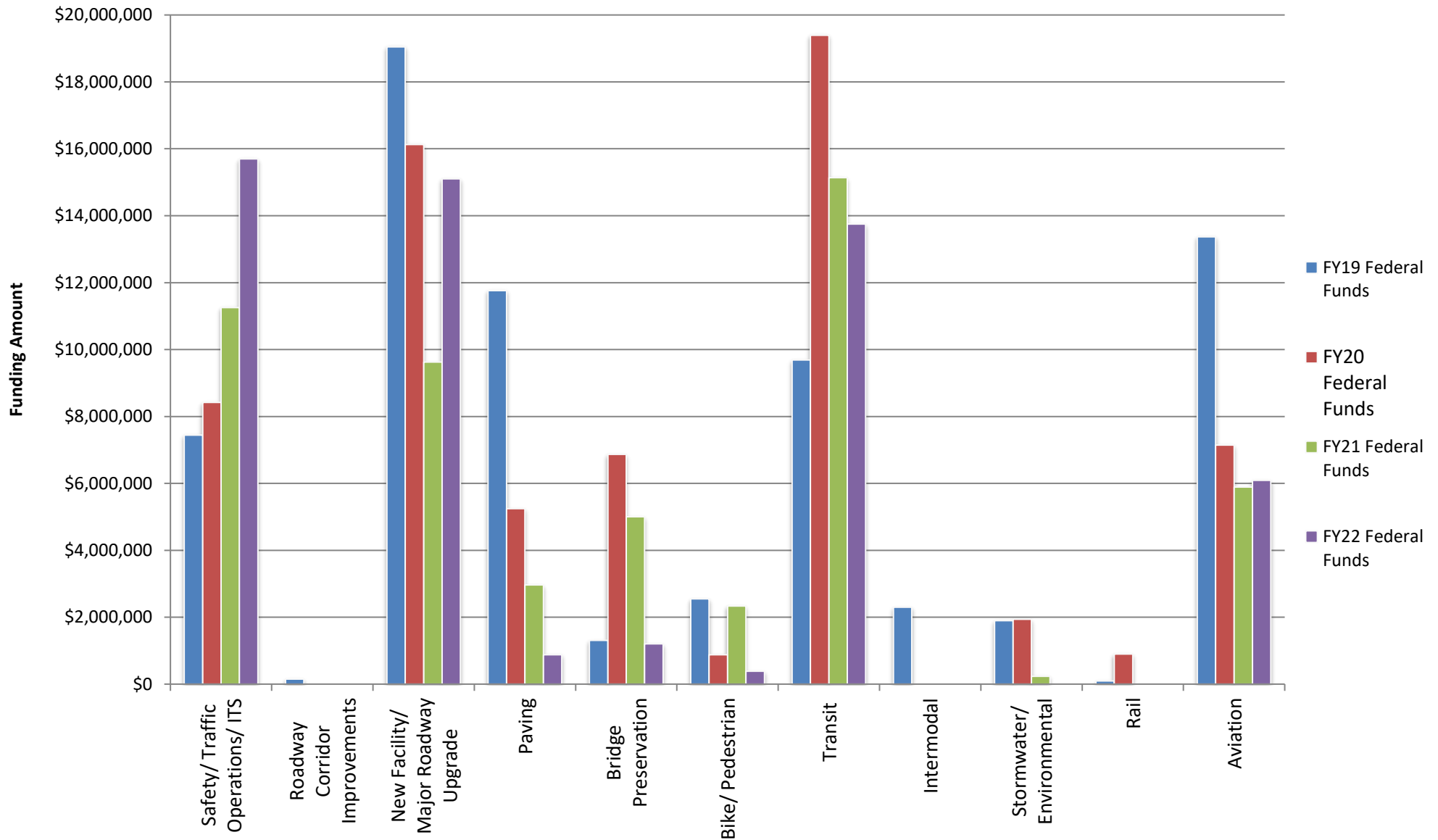
<i>Federal Funding Sources and Constraint Status</i>	FY19	FY20	FY21	FY22
FHWA Constrained Funds				
National Highway Preservation Program (NHPP)	\$779,628	\$32,800		\$1,723,025
Surface Transportation Program (STP)	\$21,509,525	\$25,817,930	\$13,388,728	\$22,535,603
To Be Determined (NHPP or STP)	\$840,000	\$840,000	\$840,000	\$840,000
FHWA Constrained Total	\$23,129,153	\$26,690,730	\$14,228,728	\$25,098,628
FHWA Non-Constrained Funds				
National Highway Preservation Program (NHPP)	\$6,159,600	\$5,402,450	\$3,454,770	
STP CIRC Alternatives Phase I and Phase II Projects	\$5,173,422	\$205,000	\$1,401,589	\$4,808,805
VTrans Bike/Ped or Transportation Alternatives Grant	\$3,659,135	\$2,745,734	\$1,355,051	\$316,885
Local Transportation Assistance Program (LTAP)	\$16,000	\$16,000	\$16,000	\$16,000
Section 130 Rail Grade Crossing	\$1,147,500			
Modificatons and Overruns (NHPP or STP)	\$500,000	\$500,000	\$500,000	\$500,000
FHWA Non-Constrained Total	\$16,655,657	\$8,869,184	\$6,727,410	\$5,641,690
FHWA Transfer to FTA				
Congestion, Mitigation, Air Quality (CMAQ)	\$3,409,427	\$1,445,871	\$1,489,047	\$1,533,718
STP Transfer	\$2,763,800	\$3,873,851	\$3,287,133	\$3,161,550
FHWA Transfer to FTA Total	\$6,173,227	\$5,319,722	\$4,776,180	\$4,695,268
Federal Earmark or Grant Funds				
SAFETEA-LU Earmark	\$3,563,982			
Regional Recreational Trails	\$70,000	\$70,000	\$70,000	\$70,000
TIGER	\$96,600	\$899,438		
Safety	\$740,000	\$3,837,500	\$10,393,784	\$2,457,626
Earmark or Grant Total	\$4,470,582	\$4,806,938	\$10,463,784	\$2,527,626
Federal Transit Administration (FTA) Funds				
FTA Section 5307 Formula Funds	\$2,700,000	\$2,800,000	\$2,900,000	\$3,000,000
FTA Section 5309	\$50,000	\$50,000	\$50,000	\$50,000
FTA Section 5312		\$5,000,000		
FTA Section 5339	\$175,929	\$181,207	\$200,000	\$200,000
FTA Grants	\$2,125,000	\$5,627,250	\$6,629,568	\$5,131,955
Elderly & Disabled Transportation	\$501,900	\$147,702	\$304,266	\$391,743
Transfer from FTA 5311 to FTA 5307	\$260,000	\$267,800	\$275,834	\$284,109
FTA Funds	\$5,812,829	\$14,073,959	\$10,359,668	\$9,057,807
Airport Improvement Program (AIP)	\$13,370,000	\$7,145,000	\$5,888,889	\$6,088,888
Total AIP	\$13,370,000	\$7,145,000	\$5,888,889	\$6,088,888
CCRPC TIP TOTAL	\$69,611,448	\$66,905,533	\$52,444,659	\$53,109,907

CCRPC FY2019-2022 TIP Funding by Project Use Category



Note: Many of the projects listed in the categories Safety/ Traffic Operations/ ITS, Roadway Corridor Improvements, and New Facility/ Major Roadway Upgrade also include improvements to bicycle and/or pedestrian facilities

CCRPC FY2019-2022 TIP: Funding Uses By Year



Note: Many projects listed in the categories Safety/Traffic Operations/ITS, Roadway Corridor Improvements and New Facility/Major Roadway Upgrade also include improvements to bicycle and/or pedestrian facilities.



Federal Funds Actually Obligated in Chittenden County

FY2008 - FY2017

Funds by Project Use Category

<i>Uses</i>	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	Average by Use Category
Paving/ Slopes and Ledges	\$8,341,212	\$13,313,036	\$2,237,293	\$6,353,281	\$11,828,395	\$16,225,750	\$2,812,734	\$2,007,942	\$5,249,078	\$16,557,685	\$8,492,641
Bridge	\$2,488,850	\$10,944,182	\$12,281,064	\$7,650,837	\$11,048,022	\$16,156,162	\$1,502,264	\$1,449,786	\$8,178,122	\$5,747,734	\$7,744,702
Roadway Corridor Improvements	\$1,521,765	\$1,487,468	\$2,733,506	\$628,220	\$1,510,070	\$0	\$382,700	\$495,124	\$6,936,985	\$7,752,790	\$2,344,863
Safety/ Traffic Operations/ ITS	\$1,199,838	\$3,215,327	\$2,867,711	\$397,073	\$3,392,438	\$1,821,157	\$5,048,209	\$1,626,340	\$2,881,072	\$8,614,491	\$3,106,366
New Facility/Major Roadway Upgrades	\$2,708,804	\$812,706	\$3,029,669	\$4,141,480	\$452,466	\$190,000	\$885,830	\$978,634	\$1,758,811	\$2,238,569	\$1,719,697
Bike&Pedestrian/ Enhancement	\$2,135,276	\$618,515	\$6,364,984	\$3,354,588	\$3,909,023	\$1,926,119	\$2,671,491	\$1,874,999	\$1,433,302	\$1,323,418	\$2,561,172
Transit	\$8,837,728	\$6,343,439	\$4,525,357	\$7,024,165	\$6,440,097	\$6,458,918	\$5,771,896	\$8,027,126	\$7,667,193	\$8,550,675	\$6,964,659
Intermodal	\$10,000	\$340,000	\$65,000	\$426,100	\$2,098,000	\$830,251	\$168,800	\$3,388,000	\$159,998	\$674,910	\$816,106
Stormwater/ Environmental	\$620,120	\$459,000	\$0	\$0	\$0	\$2,950,971	\$1,278,642	\$0	\$188,000	\$490,040	\$598,677
Rail	\$960,000	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$98,000
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$1,360,000	\$0	\$635,831	\$1,157,161	\$315,299
Total	\$28,823,593	\$37,553,673	\$34,104,584	\$29,975,744	\$40,678,511	\$46,559,328	\$21,882,566	\$19,847,951	\$35,088,392	\$53,107,473	\$34,762,182

[illegible]