



CHITTENDEN COUNTY RPC

*Communities Planning Together*

# **Transportation Improvement Program for Fiscal Years 2021-2024**

**Board Review Draft**

**June 17, 2020**

Chittenden County Regional Planning Commission  
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## TABLE OF CONTENTS

### Section 1:

A. Introduction	p. 1
B. Financial Plan	p. 2
C. Performance Management	p. 2
D. TIP Adoption Resolution	p. 5
E. Glossary	p. 6
F. TIP Map	p. 9

### Section 2:

FY2021-2024 TIP: Projects by Municipality	p. 1
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### Section 3:

Summary of Funding Amounts	
1. FY2021-2024 TIP Funding: By Project Use Category	p. 1
2. FY2021-2024 TIP Funding: By Federal Funding Source and Fiscal Constraint Status	p. 2
3. CCRPC FY2021-2024 TIP: Funding by Project Use Category	p. 3
4. Federal Funds Actually Obligated in In Chittenden County: FY2010-2019	p. 5

### A. Introduction

The Chittenden County Transportation Improvement Program (TIP) for fiscal years 2021 through 2024 is a prioritized, fiscally-constrained, and multi-year list of federally-funded, multimodal transportation projects and operations in the Chittenden County Regional Planning Commission (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., Vermont Agency of Transportation (Trans), Green Mountain Transit (GMT)) to obligate federal funds for listed projects and operations over the next four federal fiscal years (October 1, 2020 through September 30, 2024).
- ▶ 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).

GMT has an estimated Operations and Maintenance budget for transit services in FY21 of \$14,673,079. Revenue sources for transit operations and maintenance are as follows:

Passenger revenue	\$2,434,743
Purchase of service	\$42,065
Local funding	\$3,432,017
State funding	\$2,346,319
Federal grants	\$6,361,800
<u>Misc revenue</u>	<u>\$56,135</u>
Total Revenue	\$14,673,079

## C. Performance Management

### ▸ Transportation Performance Measures Overview

The Moving Ahead for Progress in the 21<sup>st</sup> Century (MAP-21) Act of 2012 directed the U.S. Department of Transportation to establish a set of Performance Measures to increase the accountability and transparency of the federal highway and transit programs and improve project decision-making through performance-based planning and programming. The Fixing America's Surface Transportation Act (FAST Act) of 2015 continued the performance management and performance-based planning and programming requirements of MAP-21 with minor changes.

MAP-21 and FAST ACT require incorporation of performance-based planning and programming in the development of MPO long-range transportation plans and TIPs. The federal regulations also require the TIP to include, to the maximum extent practicable, a description of the anticipated effect of the TIP toward achieving the established performance measures targets.

CCRPC recognizes the importance of linking investment priorities to stated performance objectives, and that establishing this link is critical to the achievement of national transportation goals and statewide and regional performance targets. CCRPC works with the VTrans and GMT – transit provider in the MPO area – to carry out performance-based planning as outlined in federal rules. This planning process reflects the goals and objectives of regional and state plans including the *CCRPC ECOS Regional Plan*, which incorporates the *Metropolitan Transportation Plan*, the *2040 Vermont Long-Range Transportation Plan*, the *Vermont Strategic Highway Safety Plan*, the *VTrans Transportation Asset Management Plan*, and the *GMT Transit Asset Management Program (TAMP)*.

VTrans, CCRPC and other stakeholders collaborated to develop statewide Performance targets for the Safety, Pavement Condition, Bridge Condition, Travel Time Reliability and Freight Movement Performance Measures. The CCRPC voted to accept the state Performance targets and support them through programming of the TIP. GMT, in collaboration with CCRPC and VTrans, developed Transit performance targets for transit asset conditions and state of good repair. GMT’s program for satisfying their performance targets are detailed in the most recent *TAMP*, approved November 2018. The *TAMP* uses the condition of assets to guide the optimal prioritization of funding to keep the transit system in a state of good repair.

TIP projects are anticipated to contribute positively to the overall MPO and statewide safety, asset management, and transit performance targets as discussed below.

### **Transportation Performance Measures**

**Safety** – The safety performance goal seeks to achieve a significant reduction in traffic fatalities and serious injuries on public roads. Safety targets were the first to be established and reported to FHWA by all DOTs and MPOs. VTrans, in collaboration with the CCRPC, established the first statewide safety targets in the summer of 2017 and reported these targets to FHWA in the Highway Safety Improvement Program (HSIP) report. The CCRPC Board acted at their February 2018 meeting to accept those statewide safety targets for the metropolitan planning area. In February 2020 the CCRPC Board again voted to accept the statewide safety targets set in the 2019 HSIP report for the Metropolitan planning area. Four out of the five 2018 safety performance targets reported in the VTrans HSIP were met. The number of fatalities target (58.0) was not met, but the actual performance in 2014-2018 (60.2) was better than the 2012-2016 baseline (62.0).

The FY2021-2024 TIP includes over \$80 million for improvements at 14 High Crash Locations in the county. The TIP also includes over \$4.4 million for separated paths and sidewalk projects that will improve safety for pedestrian and bicyclists. The safety performance measures are listed below.

- Number of Fatalities
- Rate of Fatalities
- Number of Serious Injuries

- Rate of Serious Injuries
- Number of Non-Motorized Fatalities and Serious Injuries

**Infrastructure Condition** – The infrastructure condition performance goal seeks to maintain the highway infrastructure system in a state of good repair. The FY2021-2024 TIP includes over \$40 million for paving projects and \$16.3 million for bridge preservation projects. The infrastructure condition performance measures are listed below.

- **Pavement Condition**
  - Percentage of pavements on the Interstate in good condition
  - Percentage of pavements on the Interstate in poor condition
  - Percentage of pavements on the non-Interstate National Highway System (NHS) in good condition
  - Percentage of pavements on the non-Interstate National Highway System (NHS) in poor condition
- **Bridge Condition**
  - Percentage of NHS bridges in good condition
  - Percentage of NHS bridges in poor condition

**Congestion** -- *Not required because Vermont does not exceed national air quality standards*

**National Highway System Reliability** – The system reliability goal seeks to improve the efficiency of the surface transportation system. The FY2021-2024 TIP includes projects in the categories of intelligent transportation systems and traffic operations that improve the operations of existing

infrastructure. It also includes improvements at four interstate interchanges, Exit 12, Exit 14, Exit 16 and Exit 17, to improve access in the vicinity of I-89.

- Interstate travel time reliability
- Non-Interstate NHS travel time reliability
- Freight reliability measure (truck travel time)

**Transit Asset Management** – The transit asset management goal seeks to maintain transit assets in a state of good repair. The FY2021-2024 TIP includes \$55 million for transit projects including bus and van replacements, bus facility upgrades and transit services. The transit performance measures are listed below.

- Percent of revenue vehicles that have met or exceeded their useful life
- Percentage of non-revenue vehicles and equipment that have met or exceeded their useful life

**CCRPC Adoption Resolution to be Inserted**

## GLOSSARY

<b>ADA</b>	Americans with Disabilities Act of 1990. Federal legislation prohibiting discrimination on the basis of disability.	<b>FAST Act</b>	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 act was passed in 2015.
<b>Adaptive Signal Control</b>	Adaptive signal control technology adjusts the timing of red, yellow and green lights to accommodate changing traffic patterns and ease traffic congestion.	<b>FHWA</b>	Federal Highway Administration. The USDOT agency responsible for roadway related programs.
<b>AIP</b>	Airport Improvement Program. FAA program that assists the development of public-use airports by providing funding for airport planning and development projects.	<b>FRA</b>	Federal Railroad Administration. The USDOT agency responsible for railroad programs.
<b>BTV</b>	Burlington International Airport	<b>FTA</b>	Federal Transit Administration. The USDOT agency responsible for public transportation programs.
<b>CCRPC</b>	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.	<b>FTA Section 5307</b>	The Urbanized Area Formula Funding program makes federal resources available to urbanized areas and to governors for transit capital and operating assistance in urbanized areas and for transportation-related planning. An urbanized area is an incorporated area with a population of 50,000 or more.
<b>CIRC Alternative Project</b>	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.	<b>FTA Section 5309</b>	FTA program that provides funding to states and transit agencies to replace, rehabilitate and purchase buses and related equipment and to construct bus-related facilities.
<b>CMAQ</b>	Congestion Mitigation and Air Quality Improvement Program. Federal funding program designed to address congestion and air quality issues through capital and operating projects.	<b>FTA Section 5310</b>	FTA program that provides formula funding to states and local governments to meet the transportation needs of older adults and people with disabilities. Funds are apportioned based on each state’s share of the population for these two groups.
<b>CON</b>	Construction. Project development phase in which the project is implemented.	<b>FTA Section 5311</b>	FTA program that provides capital, planning, and operating assistance to states to support public transportation in rural areas with populations less than 50,000.
<b>DDI</b>	Diverging diamond interchange. DDI is a new type of diamond interchange that increases capacity and reduces congestion.	<b>FTA Section 5312</b>	FTA program that provides funding to develop innovative products and services assisting transit agencies in better meeting the needs of their customers.
<b>FAA</b>	Federal Aviation Administration. The USDOT agency responsible for aviation related programs.		

## GLOSSARY

<b>FTA Section 5339</b>	FTA funding program that provides capital funding to replace, rehabilitate and purchase buses and related equipment and to construct bus related facilities. Funding is provided through formula allocations and competitive grants.	<b>NHPP</b>	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.
<b>GMT</b>	Green Mountain Transit. The region's public transportation provider.	<b>NHS</b>	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.
<b>HSIP</b>	Highway Safety Improvement Program (HSIP). A data-driven, strategic approach to improving highway safety on all public roads that focuses on performance.	<b>Para-transit</b>	A demand-response transportation system catering to special needs populations such as the elderly and disabled.
<b>ISTEA</b>	Intermodal Surface Transportation Efficiency Act of 1991. Federal legislation emphasizing innovation, intermodalism, and flexibility. The Act authorized \$151 billion over 6 years.	<b>PE</b>	Preliminary Engineering. Project development phase in which project design is determined.
<b>ITS</b>	Intelligent Transportation Systems. The application of technology to improve transportation system efficiency.	<b>Round-about</b>	Non-signalized circular intersection with specific design and traffic control features to ensure low travel speeds and efficient traffic movement.
<b>LTAP</b>	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.	<b>ROW</b>	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.
<b>MAB</b>	Municipal Assistance Bureau. VTrans program established to assist local governments with project implementation.	<b>SAFETEA-LU</b>	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-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.
<b>MAP-21</b>	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.	<b>Safety Program</b>	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.
<b>MPO</b>	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.		



## GLOSSARY

<b>Scoping</b>	A phase in the project development process that moves a recognized problem from an idea through the development of alternatives and environmental screening.	<b>TDM</b>	Transportation Demand Management. The general term for strategies that result in more efficient use of transportation resources.
<b>Shared Use Path</b>	A path separated from vehicle traffic by barrier or open space usually on its own right-of-way.	<b>TEA 21</b>	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.
<b>SSTA</b>	Special Services Transportation Agency. Chittenden County based non-profit paratransit provider.	<b>TIP</b>	Transportation Improvement Program. The four year list of fiscally constrained transportation projects planned for implementation in the region.
<b>STIP</b>	Statewide Transportation Improvement Program. The State's four year list of fiscally constrained transportation projects planned for implementation statewide.	<b>TOD</b>	Transit Oriented Design. High density and mixed use land development around transit system stops.
<b>STP</b>	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.	<b>Traffic Calming</b>	A combination of measures to reduce the negative effects of vehicle use or to alter driver behaviors.
<b>TAP</b>	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.	<b>TSM</b>	Transportation Systems Management. Relatively low-cost improvements to improve transportation efficiency such as ITS applications or roundabouts.
<b>TCSP</b>	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.	<b>USDOT</b>	United States Department of Transportation
		<b>VTrans (or VAOT)</b>	Vermont Agency of Transportation

**CCRPC TIP Map**

**To be Inserted**

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Section 2: FY2021–2024 TIP: Projects by Municipality

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# 2021-2024 CCRPC Transportation Improvement Program

June 17, 2020 - Board Review Draft

CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
<b>Bolton-Richmond</b>										
HP148 US2 Paving	\$160,000 PE		\$4,080,400 CON	\$12,856,096 CON	Total: \$21,247,500 PE: \$650,000 ROW: CON: \$20,597,500			Paving	STP  80 % Federal 20 % State 0 % Local	<b>VTrans PM:</b> Bogaczyk, Matthew
Williston Line east 8.2 miles VTrans Number: STP 2924(1)										
<b>Burlington</b>										
RR007 Burlington Train Station Platform	\$880,000 CON				Total: \$1,803,814 PE: \$178,814 ROW: CON: \$1,625,000		\$880,000 CON	Rail	TIGER VII  54 % Federal 46 % State 0 % Local	Modify Burlington train station platform to accommodate AMTRAK service.  <b>VTrans PM:</b> Martineau, Joshua
VTrans Number: PLAT(3)										
BP078 Champlain Elementary Pedestrian Crossing Improvements					Total: \$515,000 PE: \$128,000 ROW: CON: \$387,000	\$413,508		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.  <b>VTrans PM:</b> Gurley, Scott
Birchcliff and Locust VTrans Number: STP BP13(6) <span style="margin-left: 200px;">Remove</span>										
HC001A Champlain Parkway - US7 to Main Street	\$9,000,000 CON	\$14,140,000 CON	\$10,456,025 CON		Total: PE: ROW: CON: \$35,000,000		\$10,222,501 CON	New Facility/ Major Roadway Upgrade	STP  95 % Federal 3 % State 2 % Local	PE and ROW included under HC001E.  <b>VTrans PM:</b> Davis, Wayne
US7 to Main Street VTrans Number: MEGC-M 5000(1)										

\* Future project costs escalated at a rate of 1% per year.

CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
HP140 <b>Class 1 Paving</b>  US2, US7, and US7 Alt <b>VTrans Number:</b> NH PC22(1)		\$2,020,000 CON	\$4,488,440 CON		Total: \$8,250,000 PE: \$250,000 ROW: CON: \$8,000,000	\$102,700	\$200,000 PE	Paving	NHPP  80 % Federal 20 % State 0 % Local	<b>VTrans PM:</b> Bogaczyk, Matthew
BP092A <b>Colchester Avenue Sidepath - Phase I</b>  East Avenue to Mansfield Avenue <b>VTrans Number:</b> STP SDWK(19)					Total: \$288,500 PE: \$105,000 ROW: \$7,500 CON: \$174,000	\$97,600	\$121,150 CON	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.  <b>VTrans PM:</b> Kaplan, Jon
BP092B <b>Colchester Avenue Sidepath - Phase II</b>  Mansfield Avenue to South Prospect Street <b>VTrans Number:</b> STP BP15(7)					Total: \$96,000 PE: ROW: CON: \$96,000		\$77,840 CON	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.  <b>VTrans PM:</b> Kaplan, Jon
HP150 <b>King Street Crossing Improvements</b>  <b>VTrans Number:</b> STP 2035(27)	\$135,000 PE	\$454,500 CON			Total: \$650,000 PE: \$150,000 ROW: CON: \$500,000			Safety/ Traffic Operations/ ITS	STP  90 % Federal 10 % State 0 % Local	<b>VTrans PM:</b> Martineau, Joshua
BP090 <b>North Avenue Crosswalks</b>  <b>VTrans Number:</b> TAP TA15(1)				Remove	Total: \$318,788 PE: \$56,000 ROW: \$10,000 CON: \$252,788	\$234,759		Bike/ Pedestrian	STP  80 % Federal 0 % State 20 % Local	2015 Transportation Alternatives award (\$220,316) to construct 5 pedestrian crossings of North Avenue.  <b>VTrans PM:</b> Robertson, Scott

\* Future project costs escalated at a rate of 1% per year.

CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
RR006 <b>Rail Crossing Safety Improvements - College Street</b>	\$900,000 CON				Total: \$1,250,000 PE: \$250,000 ROW: CON: \$1,000,000	\$44,000	\$1,017,000 CON	Safety/ Traffic Operations/ ITS	Section 130 Rail Grade Crossing  90 % Federal 10 % State 0 % Local	<b>VTrans PM:</b> Martineau, Joshua
VTrans Number: STP 2035(15)										
HC015 <b>Railyard Enterprise Project</b>					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.  <b>VTrans PM:</b> Perrigo, Joel
Waterfront South Area VTrans Number: BREP(2)				Funding schedule to be determined						
BP110 <b>Schifilliti Park Shared Use Path</b>			\$250,727 CON		Total: \$357,159 PE: \$43,276 ROW: CON: \$313,883		\$35,000 PE	Bike/ Pedestrian	STP  80 % Federal 0 % State 20 % Local	2020 TA Award (\$285,727) for a path between James Ave and Gosse Ct.  <b>VTrans PM:</b>
VTrans Number: TAP TA20(11)										
HP085 <b>Shelburne Street Roundabout</b>	\$1,000,000 CON	\$5,050,000 CON	\$1,178,216 CON		Total: \$8,280,000 PE: \$950,000 ROW: \$115,000 CON: \$7,155,000	\$980,646		Safety/ Traffic Operations/ ITS	Safety  100 % Federal 0 % State  0 % Local	Construction of a roundabout, drainage and associated work.  <b>VTrans PM:</b> LaCroix, Mike
Shelburne St/South Willard St/St. Paul St VTrans Number: HES 5000(18)										
OT035 <b>Stormwater Management Improvements on Main Street</b>	\$450,597 CON				Total: \$593,750 PE: ROW: CON: \$593,750	\$24,043	\$450,597 CON	Stormwater/ Environmental	STP  80 % Federal 0 % State 20 % Local	Municipal Highway and Stormwater Mitigation Program award (\$475,000)  <b>VTrans PM:</b> Robertson, Scott
VTrans Number: STP MM18(8)										

\* Future project costs escalated at a rate of 1% per year.

CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
HP141 US7 Concrete Pavement Repair	\$400,000 CON	\$404,000 CON			Total: \$1,250,000 PE: \$250,000 ROW: CON: \$1,000,000	\$100,000	\$200,000 PE	Paving	NHPP	
MM 0.093 to MM 0.22 VTrans Number: NH PC21(1)									80 % Federal 0 % State 20 % Local	<b>VTrans PM:</b> Bogaczyk, Matthew

### Burlington Int. Airport

AV002 Airfield Projects	\$5,580,000	\$3,600,000	\$2,520,000		Total: PE: ROW: CON:		\$4,777,778	Aviation	AIP	Rehabilitate customs/cargo apron; glycol treatment system upgrades; improvements to taxiways C and B; apron expansion. BTV project - for information only.
VTrans Number:		For Information Only							90 % Federal 6 % State 4 % Local	<b>VTrans PM:</b> Air

AV022 Planning and Environmental Studies	\$720,000	\$360,000	\$360,000	\$585,000	Total: PE: ROW: CON:		\$500,000	Aviation	AIP	EA, aviation easements, obstruction removal, wildlife study, sustainability plan. BTV project - for information only.
VTrans Number:		For Information Only							90 % Federal 6 % State 4 % Local	<b>VTrans PM:</b> Air

AV018 Security Projects		\$450,000			Total: PE: ROW: CON:		\$1,500,000	Aviation	AIP	Upgrade security system, national security random check requirements. BTV project - for information only.
VTrans Number:		For Information Only							90 % Federal 6 % State 4 % Local	<b>VTrans PM:</b> Air

AV004 Snow Removal Equipment			\$5,400,000		Total: PE: ROW: CON:			Aviation	AIP	Facility and equipment. BIA project - for information only.
VTrans Number:		For Information Only							90 % Federal 6 % State 3 % Local	<b>VTrans PM:</b> Air

\* Future project costs escalated at a rate of 1% per year.

CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
AV001A South End Development				\$3,960,000	Total:			Aviation	AIP	Develop new cargo area. BIA project - for information only.  <b><u>VTrans PM:</u></b> Air
VTrans Number:	For Information Only				PE:					
					ROW:			90 % Federal		
					CON:			6 % State 4 % Local		
AV003 Terminal Apron Projects	\$2,700,000				Total:		\$4,000,000	Aviation	AIP	South apron expansion. BIA project - for information only.  <b><u>VTrans PM:</u></b> Air
VTrans Number:	For Information Only				PE:					
					ROW:			90 % Federal		
					CON:			6 % State 4 % Local		
AV020 Terminal Building Expansion					Total:			Aviation	AIP	BTV to submit a grant application in FY23 for \$20 million to FAA. BTV project - for information only.  <b><u>VTrans PM:</u></b> Air
VTrans Number:	For Information Only				PE:					
					ROW:			90 % Federal		
					CON:			6 % State 4 % Local		
<b>Charlotte</b>										
RR008 Charlotte Rail Bridge over Thorp Brook					Total:	\$575,000	\$60,000	Rail	State	Rehab bridge 252.7 over Thorp Brook. State funds only. Construction in 2022.  <b><u>VTrans PM:</u></b> Martineau, Joshua
VTrans Number: VTRY(15)	State funds only				PE:	\$125,000				
					ROW:			0 % Federal		
					CON:	\$450,000		100 % State 0 % Local		
RR009 Rail Crossing Improvements at Thompson Point Road	\$315,000 CON				Total:	\$462,410	\$22,500	Safety/ Traffic Operations/ ITS	Section 130 Rail Grade Crossing	<b><u>VTrans PM:</u></b> Gardner, Cos
VTrans Number: STP 2035(23)					PE:	\$112,563				
					ROW:			90 % Federal		
					CON:	\$349,847		10 % State 0 % Local		

\* Future project costs escalated at a rate of 1% per year.



CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks

HP131 US7/Ferry Road Traffic Signal Upgrade					Total: \$428,619 PE: \$70,000 ROW: CON: \$358,619	\$499,610		Roadway Corridor Improvement	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)		Remove								<b>VTrans PM:</b> Sisson, Taylor

### Charlotte-South Burlington

HP149 US7 Paving	\$240,000 PE		\$5,304,520 CON	\$5,357,565 CON	Total: \$13,300,000 PE: \$300,000 ROW: CON: \$13,000,000			Paving	NH  80 % Federal 20 % State  0 % Local	
Charlotte mm 2.82 to South Burlington mm 1.74										<b>VTrans PM:</b> Devlin, Jesse
VTrans Number: NH PS22(2)										

### Colchester

HP139 Bayside Intersection Roundabout and Stormwater Improvements					Total: \$3,310,000 PE: ROW: CON:			Safety/ Traffic Operations/ ITS	% Federal % State % Local	Single lane roundabout and drainage improvements. Illustrative project pending availability of federal funds.
VTrans Number: STP 5600( )		Illustrative								<b>VTrans PM:</b>

HP119 Blakely Road/Laker Lane Intersection Improvements					Total: \$685,000 PE: \$160,000 ROW: \$25,000 CON: \$500,000	\$121,620	\$400,000 CON	Safety/ Traffic Operations/ ITS	STP  100 % Federal 0 % State 0 % Local	CIRC Alt Phase III project.
VTrans Number: STP 5600(21)		CIRC Alternative Project - Funds to be obligated in FY20								<b>VTrans PM:</b> Deforge, Ande

\* Future project costs escalated at a rate of 1% per year.

CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
HP102 <b>Exit 16 Improvements</b>	\$8,000,000 CON	\$4,958,862 CON			Total: \$16,409,764 PE: \$2,750,000 ROW: \$750,000 CON: \$12,909,754	\$1,835,573	\$500,000 CON	Roadway Corridor Improvement	Safety  100 % Federal 0 % State 0 % Local	CIRC Alt Phase I project. Construction of a diverging diamond and improvements at Mountain View Dr., Hercules Dr. and Rathe Rd.
VTrans Number: HES NH 5600(14)		CIRC Alternative Project			VTrans PM: LaCroix, Mike					
BR050 <b>Exit 17 Improvements</b>		\$5,254,020 CON	\$19,485,689 CON		Total: \$28,213,272 PE: \$2,225,000 ROW: \$800,000 CON: \$25,213,273	\$700,000	\$800,000 ROW	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.
VTrans Number: NH 028-1(31)					VTrans PM: Coburn, Patti					
OT039 <b>Implementation of Stormwater Best Management Practices in Moorings Stream Watershed</b>		\$245,470 CON			Total: \$436,000 PE: \$62,000 ROW: \$50,000 CON: \$324,000	\$49,730		Stormwater/ Environmental	STP  80 % Federal  0 % State 20 % Local	2018 Transportation Alternatives award (\$295,200)
VTrans Number: TAP TA18(1)					VTrans PM: Robertson, Scott					
OT033 <b>Phosphorous Control Plan</b>					Total: \$50,000 PE: \$50,000 ROW: CON:	\$35,243		Stormwater/ Environmental	STP  80 % Federal 0 % State 20 % Local	Municipal Highway and Stormwater Mitigation Program award
VTrans Number: STP MM18(1)		Remove			VTrans PM: Robertson, Scott					
HP118 <b>Prim Road/West Lakeshore Drive Intersection Improvements</b>	\$400,000 PE/ROW	\$1,515,000 CON	\$843,750 CON		Total: \$3,177,125 PE: \$450,000 ROW: \$100,000 CON: \$2,627,125	\$345,400	\$100,000 CON	Safety/ Traffic Operations/ ITS	STP  100 % Federal 0 % State 0 % Local	CIRC Alt Phase III project.
VTrans Number: STP 5600(20)		CIRC Alternative Project			VTrans PM: Deforge, Ande					

\* Future project costs escalated at a rate of 1% per year.

CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
HP110 <b>Severance Corners Intersection Project</b>  US7/Town Highway 7/Town Highway 9 <b>VTrans Number:</b> STPG 5600(17)		\$404,000 ROW	\$3,060,300 CON	\$667,900 CON	Total: \$4,748,257 PE: \$700,000 ROW: \$400,000 CON: \$3,648,257	\$400,000	\$400,000 ROW	Safety/ Traffic Operations/ ITS	Safety  100 % Federal 0 % State 0 % Local	CIRC Alt Phase II implementation project.      <b>VTrans PM:</b> Parizo, Erin
HP003 <b>VT2A Improvements</b>  Colchester Village <b>VTrans Number:</b> STP 5600(19)					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.   <b>VTrans PM:</b> Coburn, Patti
BP070C <b>West Lakeshore Drive Path</b>  Church Road to Prim Road <b>VTrans Number:</b> TAP TA13(5)				Remove	Total: \$1,407,693 PE: \$307,693 ROW: \$100,000 CON: \$1,000,000	\$248,722		Bike/ Pedestrian	STP  80 % Federal 10 % State 10 % Local	2013 and 2015 Transportation Alternatives grants (\$250,000 + \$300,000). Other grants for this project include 2013 and 2014 CCRPC Sidewalk (\$139,835 + \$147,200), and 2015 Bike/Ped (\$431,345).  <b>VTrans PM:</b> Robertson, Scott
<b>Colchester-Essex</b>										
BP069 <b>VT15 Multiuse Path</b>  Lime Kiln Road to Susie Wilson Road <b>VTrans Number:</b> NH 030-1(34)	\$221,162 CON	\$1,010,000 CON			Total: \$2,066,452 PE: \$360,000 ROW: \$180,000 CON: \$1,526,452	\$349,414	\$600,000 CON	Bike/ Pedestrian	STP  80 % Federal 20 % State 0 % Local	CIRC Alternatives Phase II implementation project.      <b>VTrans PM:</b> Parizo, Erin

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CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
BP069B VT15 Multiuse Path - St. Mikes Crosswalk					Total:	\$141,059	\$115,020	Bike/ Pedestrian	STP	Funded with project OT001 Regional Safety.
VTrans Number: NH030-1(36)		Remove			PE:		CON			
					ROW:				80 % Federal	
					CON:				20 % State	
									0 % Local	
										<b>VTrans PM:</b> Parizo, Erin
<b>Essex</b>										
BR048 Alder Brook Culvert (BR2) on VT117	\$423,722 CON	\$1,010,000 CON			Total:	\$2,174,653	\$267,296	Bridge	STP	Replacement of a failed buried structure on VT117 carrying Alder Brook.
VTrans Number: BF 5400(9)					PE:	\$375,000				
					ROW:	\$20,000			80 % Federal	
					CON:	\$1,779,653			20 % State	
									0 % Local	
										<b>VTrans PM:</b> Young, Robert
BP091 Pinecrest Drive Sidewalk	\$174,216 CON				Total:	\$357,770	\$112,000	Bike/ Pedestrian	STP	2015 Transportation Alternatives grant (\$286,216)
VT2A to Suffolk Lane					PE:	\$115,000				
VTrans Number: TAP TA15(4)					ROW:	\$25,000			80 % Federal	
					CON:	\$217,770			0 % State	
									20 % Local	
										<b>VTrans PM:</b> Perrigo, Joel
OT036 Stormwater Detention Pond Design and Construction at LDS Church	\$381,730 CON				Total:	\$1,346,185	\$25,497	Stormwater/ Environmental	STP	Municipal Highway and Stormwater Mitigation Program award (\$478,265 fed, \$598,683 state)
VTrans Number: STP MM18(9)					PE:	\$244,200				
					ROW:	\$27,490			35 % Federal	
					CON:	\$1,074,495			45 % State	
									20 % Local	
										<b>VTrans PM:</b> Robertson, Scott

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CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
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				<b>VTrans PM:</b> CIRC Alternative					
HP121 VT117/North Williston Road Intersection Improvements	\$50,000 ROW	\$1,010,000 CON	\$510,050 CON		Total: \$1,717,186 PE: \$167,186 ROW: \$50,000 CON: \$1,500,000	\$125,000	\$50,000 ROW	Safety/ Traffic Operations/ ITS	Safety  100 % Federal 0 % State 0 % Local	CIRC Alt Phase III project.
VTrans Number: STP 5400(10)	CIRC Alternative Project				<b>VTrans PM:</b> Sisson, Taylor					
BR060 VT128 Culvert BR1 Carrying Alder Brook	\$400,000 CON				Total: \$510,000 PE: \$10,000 ROW: CON: \$500,000	\$8,000	\$400,000 CON	Bridge	STP  80 % Federal 0 % State 20 % Local	
VTrans Number: BM19501					<b>VTrans PM:</b> Salvitori, Jeremy					
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				<b>VTrans PM:</b> Coburn, Patti					
HP082 VT15/Sand Hill Road Intersection Improvements	\$75,000 ROW	\$252,500 CON	\$1,112,371 CON		Total: \$1,340,453 PE: \$200,000 ROW: \$75,000 CON: \$1,065,453	\$200,000		Safety/ Traffic Operations/ ITS	Safety  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				<b>VTrans PM:</b> Sisson, Taylor					

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CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
RR010 VT2A (Park Street) Rail Crossing Improvements  VTrans Number: STP 5300(15)					Total: PE: ROW: CON:		\$76,500 PE	Rail	Section 130 Rail Grade Crossing  90 % Federal 10 % State 0 % Local	<b>VTrans PM:</b> Libby, Paul
<b>Essex Junction</b>										
HC014 Crescent Connector  VT2A to VT117 VTrans Number: STP 5300(13)	\$1,500,000 CON	\$2,525,000 CON	\$2,040,200 CON		Total: \$10,760,000 PE: \$1,500,000 ROW: \$1,760,000 CON: \$7,500,000	\$1,686,460	\$3,000,000 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.  <b>VTrans PM:</b> Deforge, Ande
		CIRC Alternative Project								
OT026 Mansfield/Brickyard Gravel Wetlands  VTrans Number: TAP TA16(7)					Total: \$205,000 PE: \$75,000 ROW: \$20,000 CON: \$110,000	\$176,054	\$88,000 CON	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.  <b>VTrans PM:</b> Lemieux, Jon
		Funds obligated in FY19								
OT034 Phosphorous Control Plan  VTrans Number: STP MM18(2)					Total: \$50,000 PE: \$50,000 ROW: CON:	\$21,216		Stormwater/ Environmental	STP  80 % Federal 0 % State 20 % Local	Municipal Highway and Stormwater Mitigation Program award  <b>VTrans PM:</b>
		Remove								

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CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information				
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source

### Essex-Underhill

HP132 <b>VT15 Paving</b>					Total: \$6,244,016	\$5,893,966	\$3,155,213	Paving	STP	
					PE: \$300,000		CON			
MM 3.26 to MM 4.351 VTrans Number: STP PS19(6)					ROW:				80 % Federal	
					CON: \$5,944,016				20 % State	
									0 % Local	
										<b>VTrans PM:</b> Bogaczyk, Matthew

### Hinesburg

BR053 <b>BR24 (Cattle-pass) on VT116</b>					Total: \$222,348	\$32,000	\$140,000	Bridge	STP	Replace a failing cattle underpass with a 78 inch polymer coated corrugated steel pipe (PCCSP)
					PE: \$62,153		CON			
North of North Road VTrans Number: BF 021-1(35)					ROW:				80 % Federal	
					CON: \$160,195				20 % State	
									0 % Local	
										<b>VTrans PM:</b> McCarthy, J.B.

BP066 <b>Village North Sidewalk</b>					Total: \$260,800	\$238,943		Bike/ Pedestrian	STP	2012 Bike/Ped grant (\$190,538)
					PE: \$78,500					
VT116 from Commerce Street to Riggs Road VTrans Number: STP BIKE(54)					ROW: \$2,300				80 % Federal	
					CON: \$180,000				10 % State	
									10 % Local	
										<b>VTrans PM:</b> Kaplan, Jon

BP098 <b>Village South Sidewalk</b>	\$177,138				Total: \$328,625	\$57,762	\$3,200	Bike/ Pedestrian	STP	2016 Bike/Ped grant (\$120,500). 2018 Bike/Ped grant (\$114,400).
	CON				PE: \$64,000		ROW			
VT116 from School to Friendship Lane VTrans Number: STP BP16(11)					ROW: \$8,000				80 % Federal	
					CON: \$256,625				0 % State	
									20 % Local	
										<b>VTrans PM:</b> Gurley, Scott

\* Future project costs escalated at a rate of 1% per year.





CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
HP143 <b>I-189 Paving, Burlington-South Burlington</b>  EB and WB MM 0.0 to 1.488 including ramps <b>VTrans Number:</b> IM 189-3(78)					Total: \$2,036,873 PE: \$100,000 ROW: \$25,000 CON: \$2,011,873	\$741,302	\$580,000 CON	Paving	NHPP  90 % Federal 10 % State  0 % Local	<b>VTrans PM:</b> Bogaczyk, Matthew
HC017 <b>I-89 2050 Scoping Study</b>  <b>VTrans Number:</b> IM 089-2(53)	\$54,700 Scoping				Total: PE: ROW: CON:	\$67,500	\$67,500 Scoping	New Facility/ Major Roadway Upgrade	STP  90 % Federal 10 % State 0 % Local	<b>VTrans PM:</b>
HP151 <b>I-89 Bridge Maintenance, South Burlington</b>  Bridge 70 <b>VTrans Number:</b> BM20503	\$4,500 PE				Total: PE: ROW: CON:			Bridge	NHPP  90 % Federal 10 % State 0 % Local	<b>VTrans PM:</b>
HP152 <b>I-89 Bridge Preservation/Maintenance, Colchester and Richmond</b>  US2 Bridge, Colchester and US2 Bridge, Richmond <b>VTrans Number:</b> BM20502	\$360,000 PE/CON				Total: \$400,000 PE: \$25,000 ROW: CON: \$375,000			Bridge	NHPP  90 % Federal 10 % State 0 % Local	<b>VTrans PM:</b>
BR047 <b>I-89 Bridge Rehabilitation, Bolton</b>  Culvert 51-3 Carrying Notch Road <b>VTrans Number:</b> IM 089-2(45)					Total: \$695,694 PE: \$180,493 ROW: CON: \$515,200	\$540,181	\$463,680 CON	Bridge	NHPP  90 % Federal 10 % State 0 % Local	<b>VTrans PM:</b> McCarthy, J.B.

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CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
BR032 <b>I-89 Bridge Rehabilitation, Colchester</b>  BR76 (Bay Road) and BR77 (Mallets Creek) <b>VTrans Number:</b> IM 089-3(69)					Total: \$15,732,234 PE: \$1,192,852 ROW: CON: \$14,539,382	\$11,265,444	\$8,000,000 CON	Bridge	NHPP  90 % Federal 10 % State  0 % Local	Replace decking and railing of bridges 76 N&S and 77 N&S. Project schedule to be coordinated with Colchester Exit 16 Project (HP102).  <b>VTrans PM:</b> Summer, Todd
BR061 <b>I-89 Culvert Rehabilitation, Williston</b>  Culvert PID#50276 at I-89 SB mm 81.8 <b>VTrans Number:</b> IM 089-2(54)	\$382,500 PE/CON				Total: \$425,000 PE: \$50,000 ROW: CON: \$375,000			Bridge	IM  90 % Federal 10 % State 0 % Local	<b>VTrans PM:</b> Martin, Bruce
HP144 <b>I-89 Paving, Richmond- Colchester</b>  MM 79 to MM 91.88 NB and SB, and ramps <b>VTrans Number:</b> IM SURF(63)					Total: \$9,140,819 PE: \$20,000 ROW: CON: \$9,120,819	\$4,027,000	\$4,200,000 CON	Paving	NHPP  90 % Federal 10 % State  0 % Local	<b>VTrans PM:</b> Bogaczyk, Matthew
HP133 <b>I-89 Paving, Waterbury- Richmond</b>  NB and SB lanes, MM 66 to MM 79 <b>VTrans Number:</b> IM SURF(58)				Remove	Total: \$6,371,889 PE: \$50,000 ROW: CON: \$6,321,889	\$6,735,638		Paving	NHPP  90 % Federal 10 % State 0 % Local	86 percent of project length in Chittenden County  <b>VTrans PM:</b> Kipp, Brandon
HP147 <b>I-89 Supplemental Signage, Exits 12-17</b>  <b>VTrans Number:</b> IM SIGN(61)				Remove	Total: PE: ROW: CON:		\$22,000 CON	Safety/ Traffic Operations/ ITS	NHPP  90 % Federal 10 % State 0 % Local	Addition of mile marker signs at all I-89 Exits in Chittenden County  <b>VTrans PM:</b>

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CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks

BR059 <b>Richmond BR29 on US2 over I-89</b>	\$385,000 PE/ROW	\$1,010,000 CON	\$5,100,500 CON	\$3,304,398 CON	Total: \$10,911,872 PE: \$641,632 ROW: \$40,000 CON: \$10,230,240	\$40,000	\$189,000 PE	Bridge	NHPP  90 % Federal 10 % State 0 % Local	New bridge on new alignment adjacent to existing bridge.  <b>VTrans PM:</b> Cota, Carolyn
VTrans Number: IM 089-2(52)										

### Jericho

BP065B <b>Browns Trace Multimodal Connection</b>	\$295,944 CON				Total: \$470,000 PE: \$50,000 ROW: \$20,000 CON: \$400,000	\$56,756	\$308,000 CON	Bike/ Pedestrian	STP  80 % Federal 10 % State  10 % Local	2015 Bike/Ped award (\$352,700)  <b>VTrans PM:</b> Deforge, Ande
Pratt Road to Lee River Road - Segment 2										
VTrans Number: STP BP15(10)										

BP100 <b>Lee River Road Sidewalk</b>	\$12,000 ROW	\$248,587 CON			Total: \$450,000 PE: \$75,000 ROW: \$15,000 CON: \$360,000	\$60,000	\$12,000 ROW	Bike/ Pedestrian	STP  80 % Federal 0 % State 20 % Local	2017 TA award (\$220,587) and 2020 TA award (\$100,000) to design and construct 1,000 feet of sidewalk and other pedestrian improvements  <b>VTrans PM:</b> Bohl, Tina
VTrans Number: TAP TA17(1), TAP TA20(11)										

### Jericho-Richmond

HP098A <b>VT117 Paving</b>					Total: \$6,172,946 PE: \$355,000 ROW: CON: \$5,817,946	\$5,750,015		Paving	STP  80 % Federal 20 % State 0 % Local	Essex Town Line to US2.  <b>VTrans PM:</b> Kipp, Brandon
VTrans Number: STP 2931(1) <b>Remove</b>										

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CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
<b>Milton</b>										
BP105 Cherry Street Sidewalk					Total: \$141,000 PE: \$21,500 ROW: \$12,500 CON: \$107,000	\$33,600	\$57,200 CON	Bike/ Pedestrian	STP  80 % Federal 0 % State 20 % Local	100-ft sidewalk from Turner Ave to railroad including upgrading rail crossing. CCRPC FY14 sidewalk award (\$52,800). 2018 Bike/Ped grant (\$28,000).
VTrans Number: STP SDWK(18)	Funds to be obligated in FY20									
<b>VTrans PM:</b> Gavin, Ross										
OT042 Purchase of Vector Truck	\$300,000				Total: \$375,000 PE: ROW: CON:		\$300,000	Stormwater/ Environmental	STP  80 % Federal 0 % State 20 % Local	2018 Transportation Alternatives award (\$300,000)
VTrans Number: TAP TA18(4)										
<b>VTrans PM:</b>										
BP097 US7 Sidewalk - Nancy Drive to Haydenberry Drive					Total: \$1,078,357 PE: \$245,000 ROW: \$90,000 CON: \$743,357	\$261,601	\$594,400 CON	Bike/ Pedestrian	STP  80 % Federal 0 % State 20 % Local	Fill 3,830 feet of sidewalk gaps on north side of US7. 2016 Bike/Ped grant (\$850,000).
VTrans Number: STP BP16(10)	Funds to be obligated in FY20									
<b>VTrans PM:</b> Bohl, Tina										
HP007 US7/Middle Rd/Railroad St Intersection	\$500,000 PE/ROW	\$3,334,369 CON	\$2,550,250 CON		Total: \$6,726,355 PE: \$750,000 ROW: \$175,000 CON: \$5,801,355	\$435,000		Safety/ Traffic Operations/ ITS	Safety  100 % Federal 0 % State 0 % Local	Northern section to be funded by VTrans, southern section to be funded by Milton.
US7/TH1 VTrans Number: STP 5800(3)										
<b>VTrans PM:</b> Coburn, Patti										

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CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
<b>Regional</b>										
BR003 <b>Bridge Inspection</b>	\$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.  <b>VTrans PM:</b> Regional
Regional VTrans Number:										
BR033 <b>Bridge Preventative Maintenance</b>	\$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.  <b>VTrans PM:</b> Regional
Regional VTrans Number:										
BR004 <b>Bridge Scoping and Preliminary Engineering</b>	\$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.  <b>VTrans PM:</b> Regional
Regional VTrans Number:										
OT006 <b>Design Scoping Projects</b>	\$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.  <b>VTrans PM:</b> Regional
Regional VTrans Number:										
OT005 <b>Local Roads</b>	\$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.  <b>VTrans PM:</b> Regional
Regional VTrans Number:										

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CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
OT017 <b>Modifications and Overruns</b>	\$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	Funds to be used for projects that have been completed but are still incurring costs. Funding shares to be determined.
VTrans Number:									% Federal % State % Local	<u>VTrans PM:</u> Regional
HP012 <b>Pavement Marking</b>	\$40,000 CON	\$40,000 CON	\$40,000 CON	\$40,000 CON	Total: PE: ROW: CON:		\$40,000 CON	Paving	NHPP/STP	Funding for VTrans annual pavement marking in Chittenden County.
Regional VTrans Number:									100 % Federal 0 % State 0 % Local	<u>VTrans PM:</u> Regional
HP016 <b>Paving</b>	\$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	Funding for VTrans design of paving projects in Chittenden County. Funding shares to be determined.
Regional VTrans Number:									% Federal % State % Local	<u>VTrans PM:</u> Regional
BP022 <b>Regional Recreational Trails</b>	\$70,000 CON	\$70,000 CON	\$70,000 CON	\$70,000 CON	Total: PE: ROW: CON:		\$70,000 CON	Bike/ Pedestrian	Rec Trails	Recreational trails program administered by the Vermont Agency of Natural Resources.
VTrans Number:									80 % Federal 0 % State 20 % Local	<u>VTrans PM:</u> Regional
OT001 <b>Regional Safety</b>	\$89,000 PE/ROW/CON	\$250,000 PE/ROW/CON	\$250,000 PE/ROW/CON	\$250,000 PE/ROW/CON	Total: PE: ROW: CON:		\$134,798 PE/ROW/CON	Safety/ Traffic Operations/ ITS	Safety	Funding for safety projects. Funding shares to be determined.
Regional VTrans Number:									% Federal % State % Local	<u>VTrans PM:</u> Regional

\* Future project costs escalated at a rate of 1% per year.

CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
HP115 Slopes and Ledges	\$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	Slopes and Ledges	NHPP/STP  % Federal % State % Local	Funding for projects to address and maintain stability of slopes. Funding shares to be determined.
VTrans Number:										<u>VTrans PM:</u> Regional
BR054 Small Culverts	\$100,000 PE/ROW/CON	\$100,000 PE/ROW/CON	\$100,000 PE/ROW/CON	\$100,000 PE/ROW/CON	Total: PE: ROW: CON:		\$100,000 PE/ROW/CON	Bridge	NHPP/STP  % Federal % State % Local	Funding for small culvert projects in Chittenden County.
Regional VTrans Number:										<u>VTrans PM:</u> Regional
HP050 Statewide Traffic Signal Re- Timing	\$35,000 PE	\$35,000 PE	\$35,000 PE	\$35,000 PE	Total: PE: ROW: CON:		\$35,000 PE	Safety/ Traffic Operations/ ITS	STP  100 % Federal 0 % State 0 % Local	Funding for Chittenden County share of VTrans statewide optimization of traffic signals on the state system.
VTrans Number:										<u>VTrans PM:</u> Regional
HP027 Traffic Signals	\$10,000 PE	\$10,000 PE	\$10,000 PE	\$10,000 PE	Total: PE: ROW: CON:		\$10,000 PE	Safety/ Traffic Operations/ ITS	STP  100 % Federal 0 % State 0 % Local	Funding for VTrans scoping and preliminary engineering for traffic signals on the state system in Chittenden County.
Regional VTrans Number:										<u>VTrans PM:</u> Regional
<b>Richmond</b>										
BR062 US2 Culvert Rehabilitation	\$50,000 PE		\$81,608 CON	\$334,848 CON	Total: PE: ROW: CON:	\$625,000 \$125,000 \$500,000	\$40,540	Bridge	STP  80 % Federal 20 % State 0 % Local	
Culvert PID#64501 at mm 2.25 VTrans Number: STP CULV(58)										<u>VTrans PM:</u> Upmal, Ken

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CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
<b>Shelburne</b>										
BP107 Irish Hill Road Pedestrian Bridge and Sidewalk	\$20,000 ROW		\$250,000 CON	\$184,000 CON	Total: \$724,000 PE: \$156,250 ROW: \$25,000 CON: \$542,750	\$100,162		Bike/ Pedestrian	STP  80 % Federal 0 % State 20 % Local	2018 Bike/ped award (\$579,200) for prefabricated ped bridge and new sidewalk along Irish Hill Road.  <b>VTrans PM:</b> Perrigo, Joel
VTrans Number: STP BP18(3)										
OT027 Nesti/VELCO Gravel Wetlands Project					Total: \$370,000 PE: \$60,000 ROW: \$10,000 CON: \$300,000	\$93,600		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.  <b>VTrans PM:</b> Perrigo, Joel
VTrans Number: TAP TA16(6)			Funds Obligated							
BP104 Town Hall/Parade US7 Crosswalk Upgrade					Total: PE: ROW: CON:			Bike/ Pedestrian	STSP  0 % Federal 80 % State 20 % Local	2017 Bike&Ped Award (\$3,850) for a rectangular rapid flashing beacon (RRFB) on US7.  <b>VTrans PM:</b>
VTrans Number: STP BP17(26)			Remove							
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.  <b>VTrans PM:</b>
VTrans Number:			Illustrative							

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CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks

## Shelburne-South Burlington

HP137A <b>US7 Signal Upgrades</b> Webster Road to IDX Drive <b>VTrans Number:</b> NHG SGNL(51)C/1	\$161,000 CON				Total: \$2,438,847 PE: \$90,000 ROW: CON: \$2,348,847	\$75,000	\$1,447,000 CON	Safety/ Traffic Operations/ ITS	Safety/AID  95 % Federal 5 % State 0 % Local	Signal upgrades in 10 locations on US7 between Webster Rd and IDX Dr. Project includes \$996,000 in AID grant funds.  <b>VTrans PM:</b> Sisson, Taylor
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HP137B <b>US7 Signal Upgrades</b> McIntosh Avenue to Swift Street <b>VTrans Number:</b> NHG SGNL(51)C/2	\$2,000,000 CON				Total: \$2,300,000 PE: ROW: CON: \$2,300,000			Safety/ Traffic Operations/ ITS	Safety/AID  97 % Federal 3 % State 0 % Local	Full signal replacement for 6 signals between McIntosh Ave and Swift Street.  <b>VTrans PM:</b> Sisson, Taylor
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## South Burlington

OT037 <b>Bartlett Brook Stormwater Treatment System Expansion</b>  <b>VTrans Number:</b> STP MM18(17)	\$77,418 CON				Total: \$469,650 PE: \$20,200 ROW: \$5,050 CON: \$444,400	\$46,570	\$1,313 ROW	Stormwater/ Environmental	STP  26 % Federal 54 % State 20 % Local	Municipal Highway and Stormwater Mitigation Program award (\$123,988 fed, \$251,732 state)  <b>VTrans PM:</b>
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BP108 <b>Dorset Street Path - Old Cross Road to Sadie Lane</b>  <b>VTrans Number:</b> STP BP19(4)	\$125,000 PE/CON	\$213,600 CON	\$230,000 CON		Total: \$827,000 PE: ROW: CON:		\$75,000 PE	Bike/ Pedestrian	STP  80 % Federal 0 % State 20 % Local	2019 Bike/Pedestrian Program Award (\$661,600 fed).  <b>VTrans PM:</b>
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\* Future project costs escalated at a rate of 1% per year.

CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
HC012 <b>I-89 Exit 14 Area Signal Upgrades</b>  Williston Road and Dorset Street <b>VTrans Number:</b> STP SGNL(53)				<b>\$1,230,000</b> CON	Total: \$1,330,000 PE: ROW: CON:	\$64,000	\$400,000 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.  <b>VTrans PM:</b> Earmark
OT047 <b>Kennedy Drive Gravel Wetland Retrofit - Pond 2</b>  <b>VTrans Number:</b> STP MM19(11)		<b>\$2,640</b> ROW	<b>\$59,034</b> CON		Total: \$317,020 PE: \$53,820 ROW: \$12,000 CON: \$251,200	\$8,014	\$66,317 CON	Stormwater/ Environmental	STP  26 % Federal 54 % State 20 % Local	FY19 Municipal Highway and Stormwater Mitigation Program award (\$83,693 fed, \$169,923 state).  <b>VTrans PM:</b>
OT044 <b>Kennedy Drive Stormwater Pond 7 Expansion</b>  <b>VTrans Number:</b> TAP TA18(7)		<b>\$259,892</b> CON			Total: \$365,519 PE: \$50,519 ROW: CON: \$315,000	\$40,108	\$267,400 CON	Stormwater/ Environmental	STP  74 % Federal 0 % State 26 % Local	2018 Transportation Alternatives award (\$300,000)  <b>VTrans PM:</b> Perrigo, Joel
BR058 <b>Kimball Avenue/Marshall Avenue Culvert Scoping</b>  <b>VTrans Number:</b> STP MM18(3)				<b>Remove</b>	Total: \$82,800 PE: ROW: CON:	\$72,266		Bridge	STP  80 % Federal 0 % State 20 % Local	Municipal Highway and Stormwater Mitigation Program award  <b>VTrans PM:</b>

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CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
BP111 Kimball/Marshall Avenue Bicycle & Pedestrian Facilities over Muddy Brook  VTrans Number: TAP TA20(7)	\$300,000 CON				Total: \$397,300 PE: \$87,330 ROW: \$25,000 CON: \$285,000			Bike/ Pedestrian	STP  80 % Federal  0 % State 20 % Local	2020 TA award (\$300,000) for a 10-ft-wide shared use path adjacent to culvert replacement project.  <b>VTrans PM:</b>
OT046 Lindenwood Drive Close Drainage System and Stormwater Treatment  VTrans Number: STP MM19(10)	\$2,280 ROW	\$94,330 CON			Total: \$379,467 PE: \$65,700 ROW: CON: \$313,767	\$18,748		Stormwater/ Environmental	STP  30 % Federal  50 % State 20 % Local	FY19 Municipal Highway and Stormwater Mitigation Program award (\$115,358 fed, \$188,216 state)  <b>VTrans PM:</b>
HC010B Market Street Reconstruction  Transportation Improvements VTrans Number: STP 5200(17)				Remove	Total: \$7,167,000 PE: \$2,000,000 ROW: \$170,000 CON: \$4,997,000	\$4,017,324		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).  <b>VTrans PM:</b> Perrigo, Joel
OT029 Picard Circle Stormwater Improvements  VTrans Number: TAP TA17(6)				Remove	Total: \$358,933 PE: \$65,000 ROW: \$2,000 CON: \$291,933	\$240,054		Stormwater/ Environmental	STP  80 % Federal 0 % State 20 % Local	2017 TA award (\$229,600) to design and construct stormwater infiltration and drainage infrastructure.  <b>VTrans PM:</b> Robertson, Scott
BP102 Williston Road Bicycle and Pedestrian Improvements  Dorset Street to Midas Drive/White Street VTrans Number: STP BP17(9)		\$480,000 CON			Total: \$2,412,697 PE: \$253,894 ROW: \$200,000 CON: \$1,548,753	\$58,108	\$488,000 ROW	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.  <b>VTrans PM:</b> Kaplan, Jon

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CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
TR076 GMT Capital - Fare Payment System Improvement			\$500,000	\$500,000	Total:			Transit	STP Transfer	Improved fare payment system. Pending award of funds to GMT.
VTrans Number:					PE:					
					ROW:				80 % Federal	
					CON:				10 % State	
									10 % Local	<b>VTrans PM:</b> Transit
TR003A GMT Capital - Federal	\$50,000	\$50,000	\$50,000	\$55,000	Total:		\$50,000	Transit	FTA Sec. 5307	Federal formula funds.
VTrans Number:					PE:					
					ROW:				80 % Federal	
					CON:				10 % State	
									10 % Local	<b>VTrans PM:</b> Transit
TR003B GMT Capital - Federal	\$206,000	\$212,180	\$218,545	\$225,101	Total:		\$200,000	Transit	FTA Sec. 5339 - Urban Allocation	Federal Bus and Bus Facility Program.
VTrans Number:					PE:					
					ROW:				80 % Federal	
					CON:				10 % State	
									10 % Local	<b>VTrans PM:</b> Transit
TR072 GMT ITS System		\$150,000	\$150,000	\$150,000	Total:			Transit	STP Transfer	Phase in of additional ITS products. Pending award of funds to GMT.
VTrans Number:					PE:					
					ROW:				80 % Federal	
					CON:				10 % State	
									10 % Local	<b>VTrans PM:</b> Transit
TR079C GMT Mobility Management	\$75,000	\$77,250	\$79,568	\$81,955	Total:		\$77,250	Transit	FTA Sec. 5310 Urbanized Allocation	Mobility management. Pending award of funds to GMT.
VTrans Number:					PE:					
					ROW:				80 % Federal	
					CON:				10 % State	
									10 % Local	<b>VTrans PM:</b> Transit

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CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
TR002 GMT Operating - Federal	\$2,900,000	\$3,000,000	\$3,090,000	\$3,100,000	Total:		\$2,800,000	Transit	FTA Sec. 5307	Federal formula portion only. Matching funds provided by VTrans and GMT. Includes JARC and CMAQ replacement funds.
VTrans Number:					PE:					
					ROW:				50 % Federal	
					CON:				0 % State	
									50 % Local	<b>VTrans PM:</b> Transit
TR030B GMT Operation	\$310,834	\$319,109	\$328,682	\$338,542	Total:		\$302,800	Transit	Transfer from 5311 to 5307	Pending award of funds to GMT.
VTrans Number:					PE:					
					ROW:				50 % Federal	
					CON:				50 % State	
									0 % Local	<b>VTrans PM:</b> Transit
TR063 GMT Passenger Amenities	\$36,000	\$100,000	\$100,000	\$100,000	Total:			Transit	STP Transfer	Funding for passenger amenities. Pending award of funds to GMT.
VTrans Number:					PE:					
					ROW:				80 % Federal	
					CON:				10 % State	
									10 % Local	<b>VTrans PM:</b> Transit
TR046 GMT Preventative Maintenance	\$1,965,000	\$2,023,950	\$2,084,669	\$2,147,209	Total:		\$1,830,000	Transit	STP Transfer	Pending award of funds to GMT.
VTrans Number:					PE:					
					ROW:				80 % Federal	
					CON:				0 % State	
									20 % Local	<b>VTrans PM:</b> Transit
TR054(4)-S GMT Service - Burlington-Montpelier Inter-Regional Bus Service	\$36,500	\$37,595	\$38,723	\$39,885	Total:		\$37,000	Transit	CMAQ	Additional trip at 4 pm on Burlington-Montpelier link. Pending award of funds to GMT. Funding is shown in year prior to service year to accommodate application review time.
Burlington-Montpelier					PE:					
VTrans Number:					ROW:				80 % Federal	
					CON:				0 % State	
									20 % Local	<b>VTrans PM:</b> Transit

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CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
TR085-S GMT Service - Essex Evening  Essex VTrans Number:	\$36,050	\$37,132	\$38,245	\$39,392	Total: PE: ROW: CON:		\$35,000	Transit	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.  <b>VTrans PM:</b> Transit
TR067-S GMT Service - Hinesburg Route  Hinesburg Route VTrans Number:	\$75,190	\$77,446	\$79,769	\$82,162	Total: PE: ROW: CON:		\$73,000	Transit	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.  <b>VTrans PM:</b> Transit
TR074-S GMT Service - Milton Route  Milton VTrans Number:	\$201,000	\$207,030	\$213,241	\$219,638	Total: PE: ROW: CON:		\$173,000	Transit	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.  <b>VTrans PM:</b> Transit
TR064-S GMT Service - US2 Corridor  US2 VTrans Number:	\$810,000	\$834,300	\$859,329	\$885,109	Total: PE: ROW: CON:		\$810,000	Transit	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.  <b>VTrans PM:</b> Transit
TR088A Innovative Improvements - Fleet, Facility and Equipment  VTrans Number:			\$5,000,000		Total: PE: ROW: CON:			Transit	FTA Sec. 5312  80 % Federal 10 % State 10 % Local	Transportation Improvement Generating Economic Recovery (TIGER) grant. Pending award of funds.  <b>VTrans PM:</b> Transit

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CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
TR088B Innovative Improvements - Fleet, Facility and Equipment			\$1,000,000		Total:			Transit	FTA Sec. 5339	Renovations to the facility at 1 Industrial Parkway, Burlington.
VTrans Number:					PE:					
					ROW:				80 % Federal	
					CON:				10 % State	
									10 % Local	<b>VTrans PM:</b> Transit
TR004 Paratransit Rolling Stock - ADA	\$384,500	\$264,000	\$181,700	\$93,000	Total:		\$135,000	Transit	FTA Sec. 5310/ STP Transfer	Replacement and expansion of sedan, cutaway and van fleet. Funding pending award of funds.
VTrans Number:					PE:					
					ROW:				80 % Federal	
					CON:				10 % State	
									10 % Local	<b>VTrans PM:</b> Transit
TR060A Paratransit Rolling Stock - Elderly & Disabled	\$258,000	\$534,000	\$91,500	\$94,250	Total:		\$270,000	Transit	VT. Sec. 5310	Replacement and expansion of sedan, cutaway and van fleet. Funding pending award.
VTrans Number:					PE:					
					ROW:				80 % Federal	
					CON:				10 % State	
									10 % Local	<b>VTrans PM:</b> Transit
TR080 Paratransit Scheduling Software and Hardware			\$50,000	\$50,000	Total:		\$50,000	Transit	STP Transfer	Maintenance and licensing fees. Funds awarded to VTrans. Pending award of funds to GMT.
VTrans Number:					PE:					
					ROW:				80 % Federal	
					CON:				20 % State	
									0 % Local	<b>VTrans PM:</b> Transit
<b>Underhill</b>										
HP153 VT15 Bridge Maintenance	\$4,000 PE				Total:			Bridge	STP	
Bridge 12					PE:	\$5,000				
VTrans Number: BM20505					ROW:				80 % Federal	
					CON:				20 % State	
									0 % Local	<b>VTrans PM:</b>

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CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks

BP077 VT15/Underhill Flats Sidewalks					Total: \$448,500 PE: \$72,500 ROW: \$26,000 CON: \$350,000	\$86,350	\$288,000 CON	Bike/ Pedestrian	STP  80 % Federal 10 % State 10 % Local	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)		Funds to be obligated in FY20								
<b>VTrans PM:</b> Gavin, Ross										

### Underhill-Westford-Cambridge

HP136 VT15 Paving	\$1,250,063 CON				Total: \$7,456,447 PE: \$425,000 ROW: CON: \$7,031,447	\$306,484	\$1,000,000 CON	Paving	STP  80 % Federal 20 % State  0 % Local	40 percent of project length in Chittenden County
MM 4.351 (Underhill) to MM 5.01 (Cambridge)										
VTrans Number: STP PS19(11)										
<b>VTrans PM:</b> Kipp, Brandon										

### Williston

OT045 Allen Brook Watershed Culverts Scoping Study					Total: \$30,000 PE: ROW: CON:			Stormwater/ Environmental	STP  50 % Federal 0 % State 50 % Local	2018 Transportation Alternatives award (\$15,000)
VTrans Number: TAP TA18(8)		Remove								
<b>VTrans PM:</b>										

BP103 Blair Park Road Sidewalk Loop Connection	\$184,000 CON				Total: \$346,500 PE: \$75,000 ROW: \$6,500 CON: \$265,000	\$35,281	\$184,800 CON	Bike/ Pedestrian	STP  80 % Federal 0 % State 20 % Local	2017 Bike & Ped Award (\$225,760) to construct a 5-foot concrete sidewalk.
VTrans Number: STP BP17(12)										
<b>VTrans PM:</b> Deforge, Ande										

\* Future project costs escalated at a rate of 1% per year.

CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
HC016A <b>I-89 Exit 12 Improvements - Stage 1</b>	\$88,000 ROW			\$1,000,000 CON	Total: \$2,240,000 PE: \$200,000 ROW: \$40,000 CON: \$2,000,000	\$162,160		New Facility/ Major Roadway Upgrade	NHPP/STP  80 % Federal 20 % State 0 % Local	CIRC Alt Phase III project. New shared use path under I-89 and additional lane on VT2A to I-89 NB ramp.
VTrans Number: NH 5500(18)	CIRC Alternative Project									
HC016B <b>I-89 Exit 12 Improvements - Stage 2</b>					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									
HC016C <b>I-89 Exit 12 Improvements - Stage 3</b>					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									
HC016D <b>I-89 Exit 12 Improvements - Stage 4</b>					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									
OT030 <b>Lamplite Acres Drainage Improvements</b>					Total: \$420,682 PE: \$75,000 ROW: \$15,000 CON: \$330,682	\$297,916		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)	Remove									

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CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
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				<b>VTrans PM:</b> CIRC Alternative					
HP138 US2 Paving					Total: \$1,748,574 PE: \$172,000 ROW: CON: \$1,576,574	\$1,092,590		Paving	STP  80 % Federal 20 % State 0 % Local	Mile marker 1.560 - 3.850
Boxwood Street to North Williston Road VTrans Number: STP FPAV(10)		Remove			<b>VTrans PM:</b> Kipp, Brandon					
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				<b>VTrans PM:</b> CIRC Alternative					
HP010 US2/Industrial Avenue Intersection	\$1,841,099 CON	\$2,020,000 CON			Total: \$6,561,374 PE: \$1,000,000 ROW: \$760,000 CON: \$4,801,374	\$926,430	\$500,000 CON	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					<b>VTrans PM:</b> Martin, Bruce					
HP109 US2/Trader Lane Traffic Signal					Total: \$552,218 PE: \$36,282 ROW: CON: \$515,936			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 FY21.
VTrans Number: STPG 5500(14)	CIRC Alternative Project - State funds only				<b>VTrans PM:</b> Parizo, Erin					

\* Future project costs escalated at a rate of 1% per year.

CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
BR057 VT2A Culvert  South of Helena Drive VTrans Number: STP SCR(17)	\$240,000 CON				Total: \$463,454 PE: \$148,454 ROW: \$15,000 CON: \$300,000	\$40,540	\$256,250 CON	Bridge	STP  80 % Federal 20 % State 0 % Local	<b>VTrans PM:</b> Upmal, Ken
BP101 VT2A Infill Sidewalk, South of Taft Corners - West Side  VTrans Number: STP SDWK(21)				Remove	Total: \$174,000 PE: \$62,000 ROW: \$12,000 CON: \$100,000	\$72,000		Bike/ Pedestrian	STP  80 % Federal 0 % State 20 % Local	<b>VTrans PM:</b> Perrigo, Joel
BP080 VT2A Taft Corners Area Sidewalk/Shared Use Path  VTrans Number:				CIRC Alternative Project - Funding schedule to be determined	Total: \$450,000 PE: ROW: CON:			Bike/ Pedestrian	STP  80 % Federal 20 % State 0 % Local	<b>VTrans PM:</b> CIRC Alternative
HP123 VT2A/Industrial Avenue/Mountain View Road Intersection Improvements  VTrans Number: STP 5500(17)	\$50,000 ROW		\$1,020,100 CON	\$2,977,015 CON	Total: \$4,489,461 PE: \$500,000 ROW: \$100,000 CON: \$3,889,461	\$375,000	\$50,000 ROW	Safety/ Traffic Operations/ ITS	STP  100 % Federal  0 % State 0 % Local	<b>VTrans PM:</b> LaCroix, Mike

\* Future project costs escalated at a rate of 1% per year.

CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
HP090 VT2A/James Brown Drive Traffic Signal					Total: \$3,534,000 PE: \$655,000 ROW: \$450,000 CON: \$2,429,000	\$3,140,768		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)		Remove								<b>VTrans PM:</b> Parizo, Erin
IN004A Williston Park and Ride	\$3,000,000 CON	\$1,527,913 CON			Total: \$6,887,785 PE: \$1,125,000 ROW: \$1,250,000 CON: \$4,512,785	\$2,577,998	\$4,522,000 CON	Intermodal	CMAQ - Park and Ride  100 % Federal 0 % State 0 % Local	Construct park and ride lot near I-89 Exit 12.
New park and ride lot south of I-89 VTrans Number: CMG PARK(29)										<b>VTrans PM:</b> Bohl, Tina
<b>Winooski</b>										
HP145 Class I Concrete Pavement Repair, US7 and West Allen Street	\$400,000 CON	\$404,000 CON			Total: \$1,150,000 PE: \$150,000 ROW: CON: \$1,000,000	\$61,620	\$120,000 PE	Paving	STP  80 % Federal 20 % State 0 % Local	
VTrans Number: NH PC21(2)										<b>VTrans PM:</b> Bogaczyk, Matthew
HP146 Class I Paving, US7 and VT15		\$505,000 CON	\$1,122,110 CON		Total: \$2,250,000 PE: \$250,000 ROW: CON: \$2,000,000	\$61,620	\$200,000 PE	Paving	STP  80 % Federal 20 % State 0 % Local	
VTrans Number: NH PC22(2)										<b>VTrans PM:</b> Bogaczyk, Matthew

\* Future project costs escalated at a rate of 1% per year.

CCRPC # Project Location	FY21-24 Federal Funds				Other Project Information					
	FY21 Phase	FY22 Phase*	FY23 Phase*	FY24 Phase*	Total Cost fed+state+local in 2020 Dollars	Fed. Funds Obligated Thru FY19	FY20 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
BP099 Gateways Crosswalk Enhancements Five Intersections VTrans Number: TAP TA17(2)	\$219,104 CON				Total: \$369,500 PE: \$5,000 ROW: \$2,500 CON: \$362,000			Bike/ Pedestrian	STP  80 % Federal 0 % State 20 % Local	2017 TA award (\$289,000) to construct enhanced crosswalk treatments at five locations: Main/ Normand; Main/ Burling; Main/ LaFountain/ Stevens; Main/ Union/ Platt; Mallets Bay/ Elm/ St Peter.  <b>VTrans PM:</b> Gavin, Ross
BP109 Main Street Sidewalk and Bicycle Improvements VTrans Number: STP BP19(7)	\$100,000 CON				Total: \$500,000 PE: ROW: CON:		\$300,000 CON	Bike/ Pedestrian	STP  80 % Federal 0 % State 20 % Local	2019 Bike/Pedestrian Program Award (\$400,000 fed).  <b>VTrans PM:</b>
RR011 Mallets Bay Rail Crossing Improvements VTrans Number: STP 5100(14)	\$315,000 CON				Total: \$400,000 PE: \$50,000 ROW: CON: \$350,000	\$30,000	\$76,500 PE	Rail	Section 130 Rail Grade Crossing  90 % Federal 10 % State 0 % Local	<b>VTrans PM:</b> Owens, Joshua

\* Future project costs escalated at a rate of 1% per year.

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### Section 3: Summary of Funding Amounts

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# CCRPC FY2021-2024 TIP Funding by Project Use Category

<i>Funding Uses</i>	<b>FY21 Federal Funds</b>	<b>FY22 Federal Funds</b>	<b>FY23 Federal Funds</b>	<b>FY24 Federal Funds</b>
Bridge Preservation	\$2,789,722	\$2,924,000	\$6,494,352	\$4,139,246
Intermodal	\$3,000,000	\$1,527,913		
New Facility/ Major Roadway Upgrade	\$10,642,700	\$21,919,020	\$31,981,914	\$1,000,000
New Sidewalks and Paths	\$1,898,564	\$2,022,187	\$800,727	\$254,000
Paving	\$3,690,063	\$3,673,000	\$15,335,470	\$18,553,661
Rail Grade Crossings and Burlington Platform	\$1,195,000			
Roadway Corridor Improvements	\$8,200,000	\$6,251,662		
Safety/ Traffic Operations/ ITS	\$10,692,243	\$14,951,369	\$11,186,037	\$5,785,915
Stormwater/ Environmental	\$1,607,291	\$602,332	\$59,034	
Transit	\$11,234,074	\$12,573,992	\$18,563,971	\$12,621,243
<b>Total</b>	<b>\$54,949,657</b>	<b>\$66,445,475</b>	<b>\$84,421,505</b>	<b>\$42,354,065</b>
Aviation <i>for information only</i>	\$9,000,000	\$4,410,000	\$8,280,000	\$4,545,000

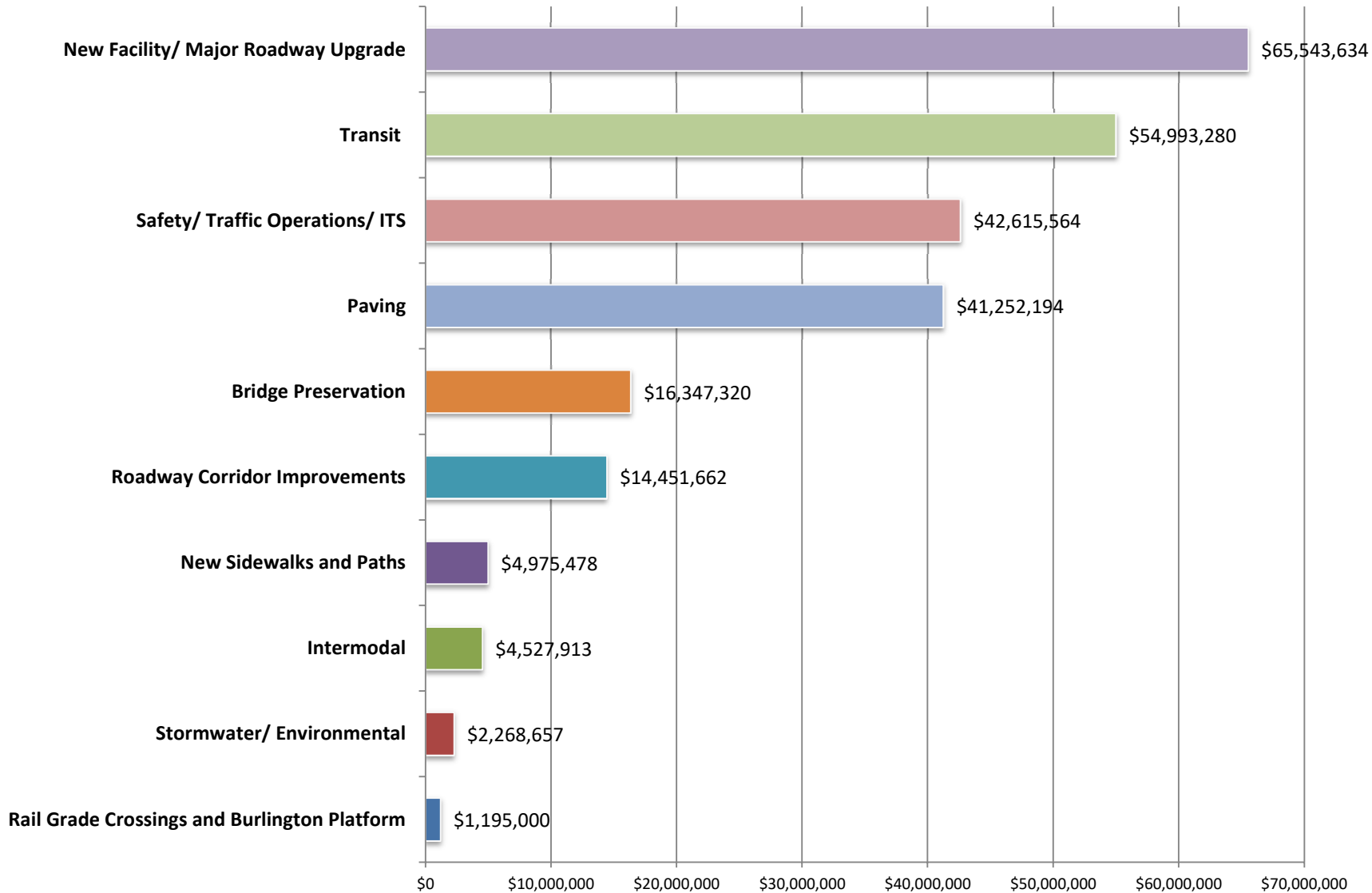
Note: Many of the projects listed in the categories Safety/ Traffic Operations/ ITS, Roadway Corridor Improvements, New Facility/ Major Roadway Upgrade, and Paving also include improvements to bicycle and/or pedestrian facilities.

# CCRPC FY2021-2024 TIP Funding by Federal Funding Source and Constraint Status

<i>Federal Funding Sources and Constraint Status</i>	FY21	FY22	FY23	FY24
<b>FHWA Constrained Funds</b>				
National Highway Preservation Program (NHPP)	\$488,000	\$909,000	\$1,122,110	\$1,000,000
Surface Transportation Program (STP)	\$20,070,028	\$32,549,189	\$49,778,076	\$21,670,524
To Be Determined (NHPP or STP)	\$840,000	\$840,000	\$840,000	\$840,000
Park and Ride	\$3,000,000	\$1,527,913		
<b>FHWA Constrained Total</b>	<b>\$24,398,028</b>	<b>\$35,826,102</b>	<b>\$51,740,186</b>	<b>\$23,510,524</b>
<b>FHWA Non-Constrained Funds</b>				
National Highway Preservation Program (NHPP)	\$2,086,700	\$1,010,000	\$5,100,500	\$3,304,398
STP CIRC Alternatives Phase I and Phase II Projects	\$1,796,162	\$4,191,500	\$6,212,871	\$667,900
VTrans Bike/Ped, Transportation Alternatives, or Stormwater Grant	\$3,214,693	\$1,544,519	\$789,761	\$184,000
Local Transportation Assistance Program (LTAP)	\$16,000	\$16,000	\$16,000	\$16,000
Section 130 Rail Grade Crossing	\$1,665,000	\$454,500		
Modificatons and Overruns (NHPP or STP)	\$500,000	\$500,000	\$500,000	\$500,000
<b>FHWA Non-Constrained Total</b>	<b>\$9,278,555</b>	<b>\$7,716,519</b>	<b>\$12,619,132</b>	<b>\$4,672,298</b>
<b>FHWA Transfer to FTA</b>				
Congestion, Mitigation, Air Quality (CMAQ)	\$1,158,740	\$1,193,503	\$1,229,307	\$1,266,186
STP Transfer	\$2,775,500	\$2,937,950	\$3,426,369	\$3,410,209
<b>FHWA Transfer to FTA Total</b>	<b>\$3,934,240</b>	<b>\$4,131,453</b>	<b>\$4,655,676</b>	<b>\$4,676,395</b>
<b>Federal Earmark or Grant Funds</b>				
SAFETEA-LU Earmark				\$1,230,000
Regional Recreational Trails	\$70,000	\$70,000	\$70,000	\$70,000
TIGER	\$880,000			
Safety	\$9,089,000	\$10,258,862	\$1,428,216	\$250,000
<b>Earmark or Grant Total</b>	<b>\$10,039,000</b>	<b>\$10,328,862</b>	<b>\$1,498,216</b>	<b>\$1,550,000</b>
<b>Federal Transit Administration (FTA) Funds</b>				
FTA Section 5307	\$2,950,000	\$3,050,000	\$3,140,000	\$3,155,000
FTA Section 5309			\$50,000	\$50,000
FTA Section 5310	\$75,000	\$77,250	\$79,568	\$81,955
FTA Section 5312			\$5,000,000	
FTA Section 5339	\$3,706,000	\$4,462,180	\$5,218,545	\$4,225,101
Elderly & Disabled Transportation	\$258,000	\$534,000	\$91,500	\$94,250
Transfer from FTA 5311 to FTA 5307	\$310,834	\$319,109	\$328,682	\$338,542
<b>FTA Funds</b>	<b>\$7,299,834</b>	<b>\$8,442,539</b>	<b>\$13,908,295</b>	<b>\$7,944,848</b>
<b>CCRPC TIP TOTAL</b>	<b>\$54,949,657</b>	<b>\$66,445,475</b>	<b>\$84,421,505</b>	<b>\$42,354,065</b>



# CCRPC FY2021-2024 TIP Federal Funds Programmed by Project Use Category



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

