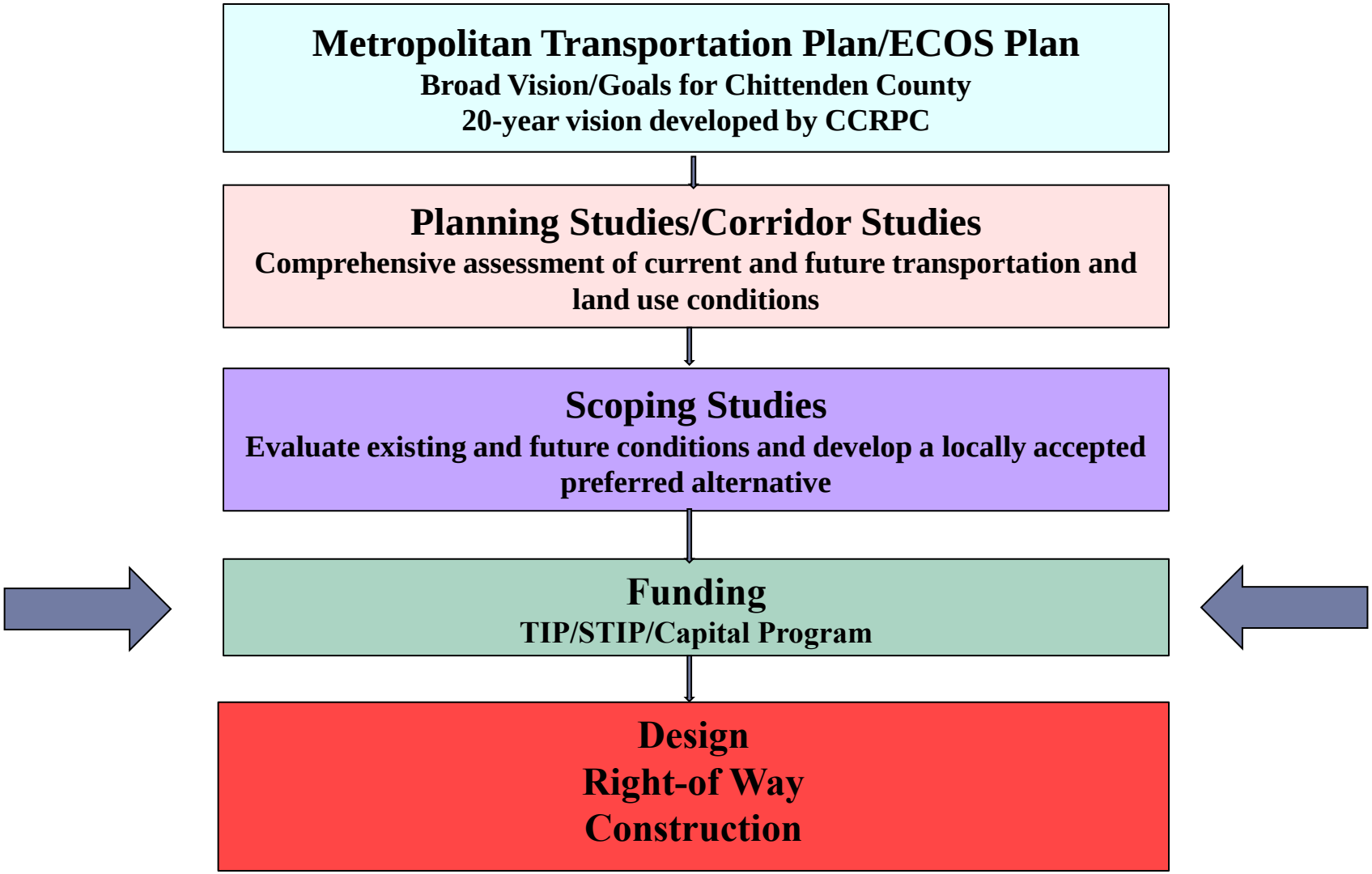
CHITTENDEN COUNTY RPC

Transportation Improvement Program (TIP) for Fiscal Years 2024-2027

Presentation to the CCRPC Transportation Advisory Committee

June 6, 2023

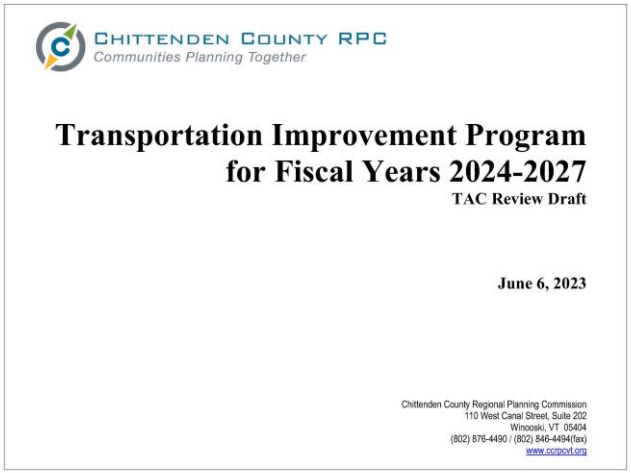
Transportation Planning and Project Implementation



What is the Transportation Improvement Program (TIP)?

The TIP is a prioritized, fiscally-constrained, multi-year list of federally-funded transportation projects and operations in the MPO region

- Must be fiscally-constrained
- Must cover at least 4-years
- Must be updated at least every 4 years
- Authorizes obligation of federal funds


CHITTENDEN COUNTY RPC
Communities Planning Together

Transportation Improvement Program for Fiscal Years 2024-2027
TAC Review Draft

June 6, 2023

Chittenden County Regional Planning Commission
110 West Canal Street, Suite 202
Winooski, VT 05404
(802) 876-4490 / (802) 846-4494(fax)
www.ccrpcvt.org

How do Projects Get on the TIP?

The TIP is based on a ***continuing, comprehensive transportation planning process carried out cooperatively by the State, the MPO, and transit operators***

- Projects must have completed, or nearly completed, the planning process and be ready for design
- Projects must have funding
- In order to spend funds, projects must be listed in VTrans Capital Program

2024-2027 CCRPC Transportation Improvement Program

TAC Review Draft - June 6, 2023

CCRPC # Project Location	FY24-27 Federal Funds FY24 Phase	FY25 Phase	FY26 Phase	FY27 Phase	Other Project Information: Total Cost fed+state+local in 2022 Dollars	Fed. Funds Obligated Thru FY22	FY23 Fed Funds Phase	Project Use Category	Federal Funding Source	Remarks
Bolton-Richmond										
BR064 **Rehabilitate/ Replace Culverts on US2** **VTrans Number:** STP CULV(86)		**Remove**			Total: $421,031 PE: $15,000 ROW: CON: $406,031	$342,436	$29,210 CON	Bridge	COVID Relief Funds 100 % Federal 0 % State 0 % Local	**VTrans PM:** Atkins, Ashley
HP148 **US2 Paving** Williston Line east 8.2 miles **VTrans Number:** STP 2924(1)	**$3,922,100** **CON**				Total: $21,356,171 PE: $910,000 ROW: CON: $20,356,171	$6,008,774	$7,000,000 CON	Paving	STP 80 % Federal 20 % State 0 % Local	**VTrans PM:** Bogaczyk, Matthew
Buel's Gore										
BR068 **BR29 on VT17 over Beaver Meadow Brook** **VTrans Number:** BF 0200(11)	**$640,000** **CON**				Total: $1,160,000 PE: $350,000 ROW: $10,000 CON: $800,000		$200,000 PE	Bridge	STP 80 % Federal 20 % State 0 % Local	**VTrans PM:** Klinefelter, Robert

TIP Funding Levels*

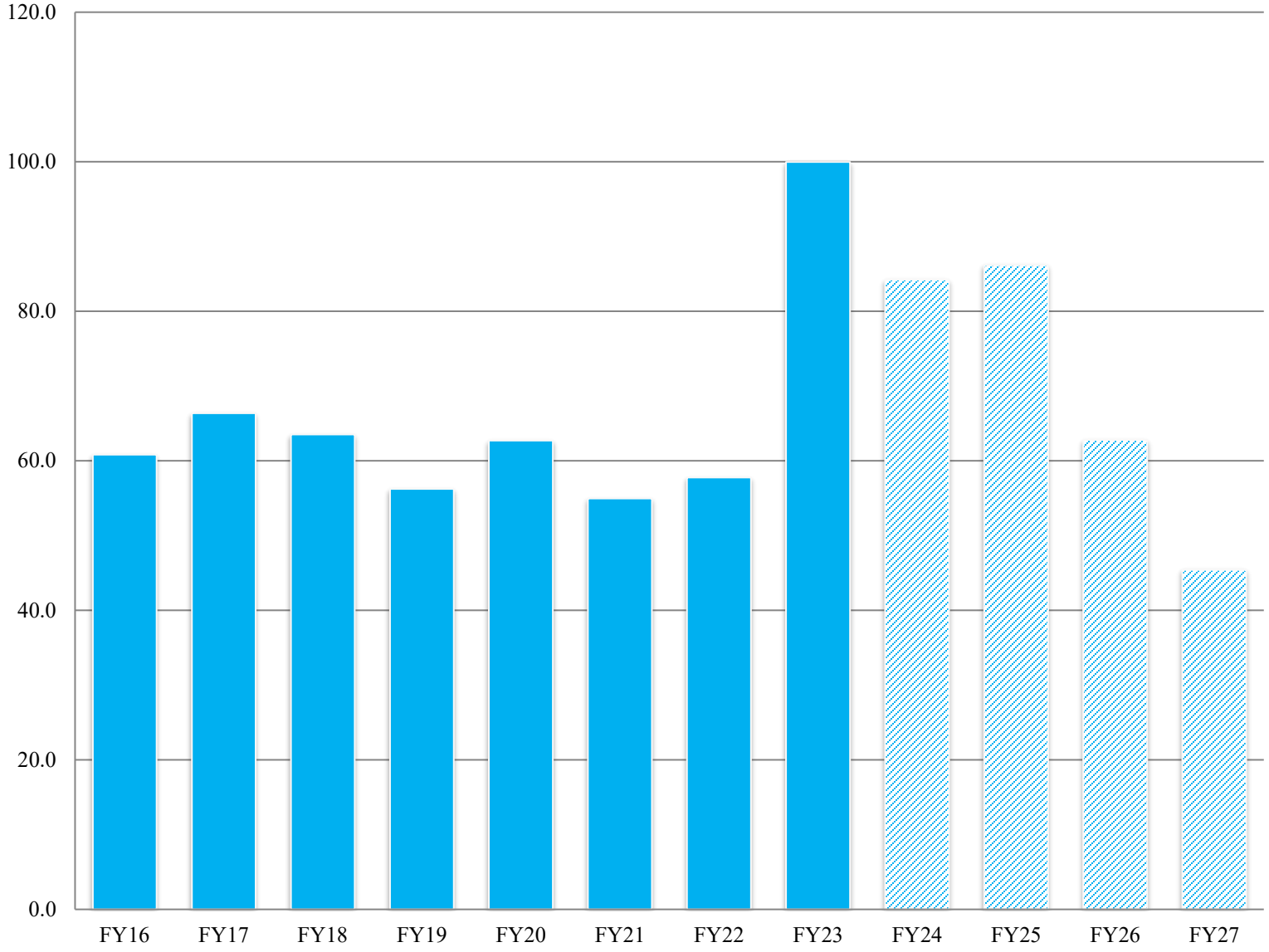
Amount of Federal Funds in each year:

- **FY2024 -- $84.2 million**
- **FY2025 -- $86.1 million**
- **FY2026 -- $62.8 million**
- **FY2027 -- $45.4 million**

FY24-27 Total - $278.5 million

* Does not include Burlington International Airport

Chittenden County TIP Amounts
FY2014 - FY2027



TIP Projects by Use Categories

New Sidewalks and Paths -- 17 Projects -- $13.3 Million (4.8%)

Bike & Pedestrian Program

- Intervale Road Shared Use Path, Burlington *(FY26)*
- Queen City Park Road Sidepath, Burlington *(FY26)*
- Riverside Village Sidewalk, Jericho *(FY26)*
- Irish Hill Road Pedestrian Bridge and Sidewalk, Shelburne *(FY23/24)*
- Dorset Street Path – Old Cross Road to Sadie Lane, South Burlington *(24/25)*
- Williston Road Bicycle and Pedestrian Improvements, South Burlington *(FY25)*

RAISE Grant

- East-West Alternative Transportation Crossing, South Burlington *(FY25/26)*

Transportation Alternatives Program

- Calahan Sidepath, Burlington *(FY25)*
- Lake Street Sidewalk, Burlington *(FY25)*
- Schifilliti Park Shared Use Path, Burlington *(FY24)*
- VT116 at Charlotte Road Sidewalk Relocation *(FY24)*
- Lee River Road Sidewalk, Jericho *(FY23/24)*
- Bridge Street Sidewalk, Richmond *I(FY24)*
- Allen Road Shared Use Path Scoping Study, South Burlington *(FY23/24)*
- Spear Street Bike/Ped Improvements, South Burlington *(FY26)*
- Industrial Avenue Sidewalk, Williston *(TBD)*
- VT2A Connector Path – Beaudry Lane to VSECU, Williston *(FY26)*

TIP Projects by Use Categories

New Sidewalks and Paths -- 17 Projects -- $13.3 Million (4.8%)

Bridge Preservation -- 9 Projects -- $28.9 Million (10.4%)

- BR29 on VT17 over Beaver Meadow Brook, Bolton *(FY24)*
- Main Street Winooski River Bridge, Burlington-Winooski *(FY27)*
- VT128 Culvert Carrying Alder Brook, Essex *(FY24)*
- BR15 on Browns Trace over Mill Brook, Jericho *(FY25/26)*
- US2 Culvert, Richmond *(FY25/26)*
- Richmond BR29 on US2 over I-89 *(FY23/24/25)*
- Richmond BR53n on I-89 over US2 (Jonesville) *(TBD)*
- Richmond BR55S on I-89 over TH4 (Jericho Road) *(TBD)*
- Bartlett Bay Road Culvert Replacement, South Burlington (TA Grant)*(FY26)*

TIP Projects by Use Categories

New Sidewalks and Paths -- 17 Projects -- $13.3 Million (4.8%)

Bridge Preservation -- 9 Projects -- $28.9 Million (10.4%)

Intermodal -- 1 Project -- $1.2 Million (0.4%)

- Jasper Mine Road Park-and-Ride, Colchester *(FY26)*

TIP Projects by Use Categories

New Sidewalks and Paths -- 17 Projects -- $13.3 Million (4.8%)

Bridge Preservation -- 9 Projects -- $28.9 Million (10.4%)

Intermodal -- 1 Projects -- $1.2 Million (0.4%)

New Facility/Major Roadway Upgrade -- 3 Projects - $52.2 M (18.8%)

- Champlain Parkway, Burlington *(FY23/24/25/26/27)*
- Railyard Enterprise, Burlington (*FY27*)
- Crescent Connector, Essex Junction *(FY22/23/24)*

Interstate / Interchange – 3 Projects - $36.4M (13.1%)

- Exit 12 DDI, Williston *(TBD)*
- Exit 16, Colchester *(FY23/24/25)*
- Exit 17 Improvements, Colchester *(FY25/26)*

TIP Projects by Use Categories

New Sidewalks and Paths -- 17 Projects -- $13.3 Million (4.8%)

Bridge Preservation -- 9 Projects -- $28.9 Million (10.4%)

Intermodal -- 1 Projects -- $1.2 Million (0.4%)

New Facility/Major Roadway Upgrade -- 3 Projects - $52.2 M (18.8%)

Interstate Interchange – 3 Projects - $36.4M (13.1%)

Paving -- 10 Projects -- $19.8 Million (7.1%)

- US2 Paving, Bolton-Richmond *(22/23/24)*
- Class I Paving, Burlington *(FY23/24)*
- US7 Paving, Charlotte-South Burlington *(FY22/23/24)*
- Resurfacing VT15, Colchester-Essex *(FY24/25)*
- Resurface US7, Colchester-Milton *(FY26/27)*
- Resurface VT128, Essex-Fairfax *(FY26/27)*
- US7 Reconstruction, Milton *(TBD)*
- Resurface VT116, Hinesburg-South Burlington *(FY25/26)*
- Resurface VT2A, St. George-Williston *(FY26/27)*
- US7 Reconstruction, Williston *(TBD)*

TIP Projects by Use Categories

New Sidewalks and Paths -- 17 Projects -- $13.3 Million (4.8%)

Bridge Preservation -- 9 Projects -- $28.9 Million (10.4%)

Intermodal -- 1 Projects -- $1.2 Million (0.4%)

New Facility/Major Roadway Upgrade – 5 Projects - $99.1 M (31.5%)

Interstate Interchange – 3 Projects - $36.4M (13.1%)

Paving -- 10 Projects -- $19.8 Million (7.1%)

Roadway Corridor Improvements -- 5 Projects -- $15 M (5.4%)

- Church Street Side Streets – Cherry Street, Burlington (Earmark) *(FY24/25/26)*
- VT2A Improvements, Colchester *(to be determined)*
- Susie Wilson Road/VT15 Intersection Improvements, Essex *(FY25/26)*
- US2 Improvements – Dorset Street to VT116, South Burlington (VPSP2) *(TBD)*
- VT15 Improvements – Weaver Lane to Florida Avenue, Winooski *(VPSP2)(TBD_*

TIP Projects by Use Categories

Safety/ Traffic Operations/ ITS -- 16 Projects -- $37.2 M (13.3%)

- Prim Road/West Lakeshore Drive, Colchester *(FY23/24)*
- Severance Corners Improvements, Colchester *(FY26/27)*
- VT15 Traffic Signal Replacement, Colchester, Essex *(FY24/2)*
- 117/North Williston Road Intersection Improvements, Essex *(FY26)*
- VT15/Sand Hill Road, Essex *(FY26/27)*
- US7/Middle Road/Railroad Street, Milton *(FY25/26)*
- VT116/VT2A Improvements, St. George *(TBD)*
- I-89 Exit 14 Area Signal Upgrades, South Burlington *(FY23/24)*
- VT2A/Industrial Avenue/Mountain View Road, Williston *(FY25/26)*

New VPSP2 Regionally Driven Projects

- Colchester Avenue/Mill Street/Barrett Street, Burlington *(TBD)*
- Colchester Avenue/Prospect Street, Burlington *(TBD)*
- Bayside Intersection Roundabout, Colchester *(FY25/26)*
- VT117/Skunk Hollow Road Improvements, Jericho *(TBD)*
- US7/West Milton Road, Milton *(TBD)*
- US7/Harbor Road/Falls Road, Shelburne *(TBD)*
- VT116/Cheesefactory Road Improvements, South Burlington *(TBD)*

TIP Projects by Use Categories

New Sidewalks and Paths -- 17 Projects -- $13.3 Million (4.8%)

Bridge Preservation -- 9 Projects -- $28.9 Million (10.4%)

Intermodal -- 1 Projects -- $1.2 Million (0.4%)

New Facility/Major Roadway Upgrade – 5 Projects - $99.1 M (31.5%)

Interstate Interchange – 3 Projects - $36.4M (13.1%)

Paving -- 10 Projects -- $19.8 Million (7.1%)

Roadway Corridor Improvements -- 5 Project -- $15 M (5.4%)

Safety/ Traffic Operations/ ITS -- 16 Projects -- $37.2 M (13.3%)

Transit -- $65.4 Million (23.5%)

- Formula funds from FTA
- New services – CMAQ
- FTA Grants
- Elderly & Disabled programs

TIP Projects by Use Categories

New Sidewalks and Paths -- 17 Projects -- $13.3 Million (4.8%)

Bridge Preservation – 9 Projects -- $28.9 Million (10.4%)

Intermodal -- 1 Projects -- $1.2 Million (0.4%)

New Facility/Major Roadway Upgrade – 5 Projects - $99.1 M (31.5%)

Interstate Interchange – 3 Projects - $36.4M (13.1%)

Paving -- 10 Projects -- $19.8 Million (7.1%)

Roadway Corridor Improvements -- 5 Project -- $15 (5.4%)

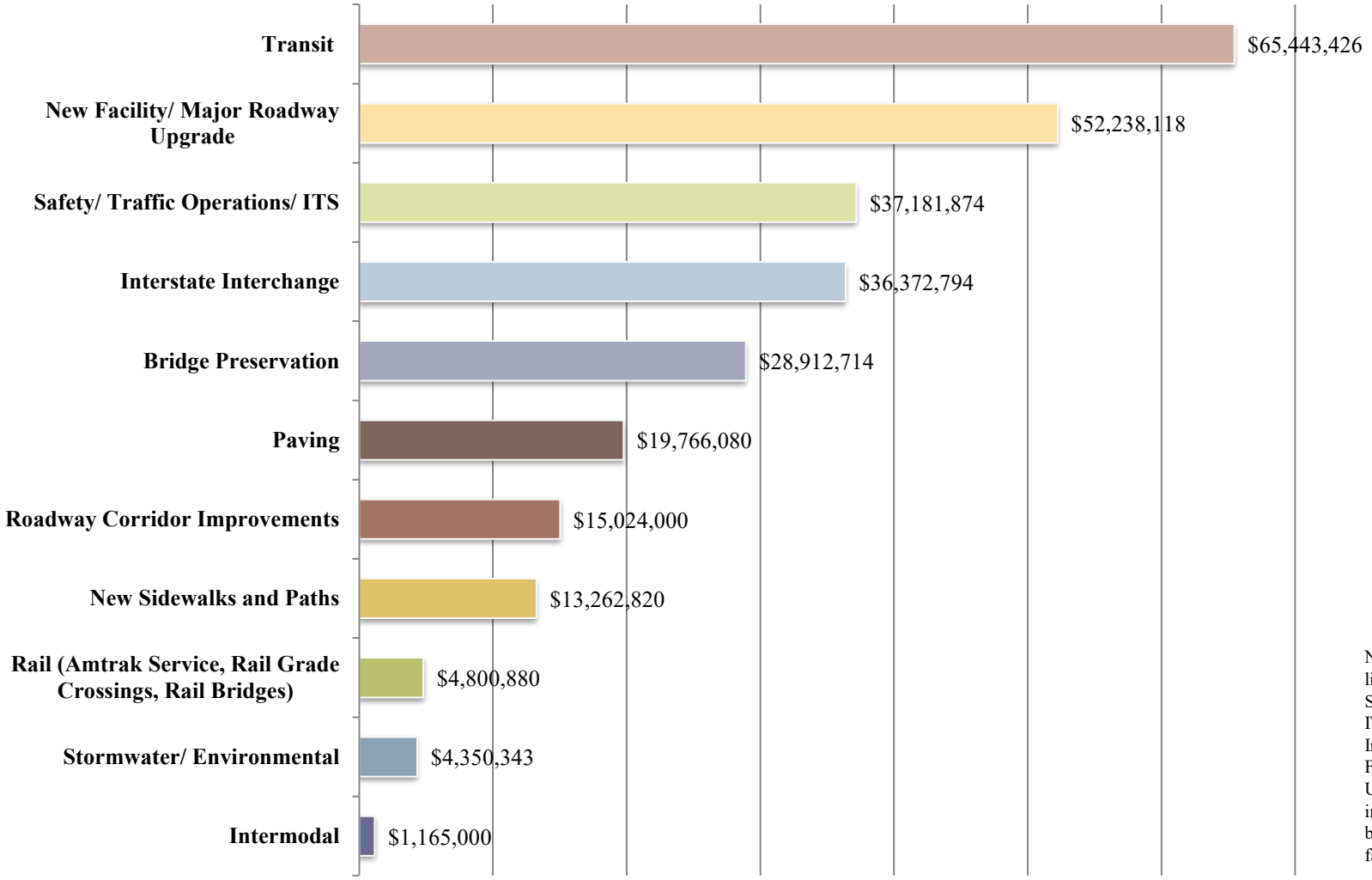
Safety/ Traffic Operations/ ITS -- 16 Projects -- $37.2 M (13.3%)

Transit -- $65.4 Million (23.5%)

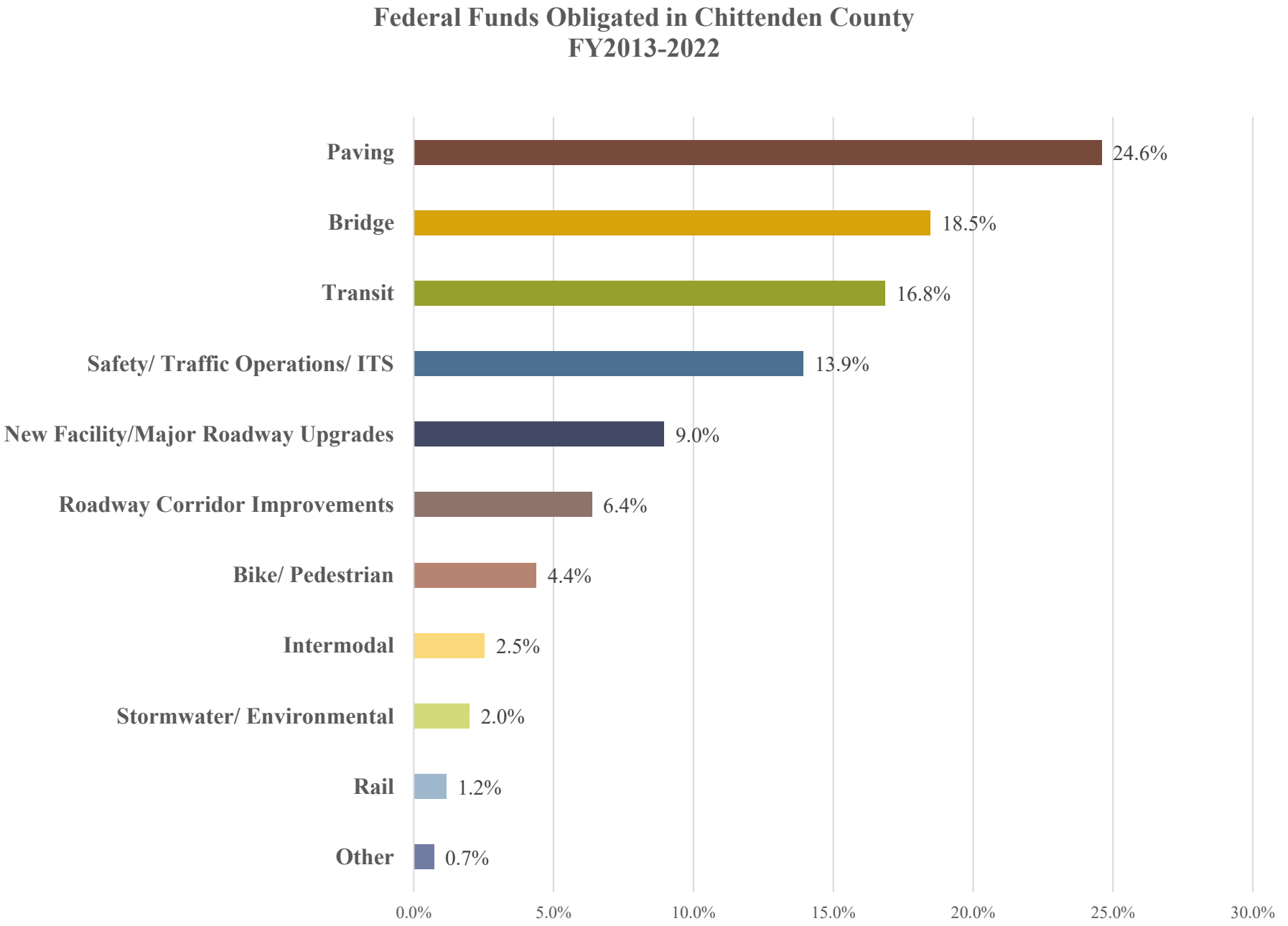
Stormwater/Environmental – 8 Projects -- $4.4 Million (1.6%)

- Municipal Highway and Stormwater Mitigation Program Grants
- Transportation Alternatives Grants

CCRPC FY2024-2027 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


Federal Funds Obligated in Chittenden County
FY2013-2022
Paving
24.6%
Bridge
18.5%
Transit
16.8%
Safety/ Traffic Operations/ ITS
13.9%
New Facility/Major Roadway Upgrades
9.0%
Roadway Corridor Improvements
6.4%
Bike/ Pedestrian
4.4%
Intermodal
2.5%
Stormwater/ Environmental
2.0%
Rail
1.2%
Other
0.7%
0.0%
5.0%
10.0%
15.0%
20.0%
25.0%
30.0%

CIRC Alternative Projects Listed in FY2024-2027 TIP

Completed CIRC Alterative Projects

- Colchester - Blakely Rd/Laker Ln Intersection
- Colchester-Essex - VT15 Multiuse Path
- VT2A/VT289 Improvements
- VT15 Improvements, Post Office Square to 5-Corners, Essex Junction
- Signal Upgrades on VT2A and VT15, Essex and Williston
- Williston - I-89 Exit 12 Improvements - Stage 1
- Williston - VT2A/James Brown Drive
- Williston Sidewalks – Harvest Lane and US2, Taft Corners to Wright Avenue

Phase I

• Colchester - Exit 16 Improvements	$14.1 M *(FY23/24/25)*
• Essex Junction - Crescent Connector	$4 M *(FY22/23/24)*
Phase I Total	**$18.1 M**

CIRC Alternative Projects Listed in FY2020-2023 TIP

Phase II

• Colchester - Severance Corners Intersection	$4.3M *(FY26/27)*
• Essex - VT15/Sand Hill Road Intersection	$2.1 M *(FY26/27)*
• Williston - US2/Trader Lane Traffic Signal	$0.6 *(FY23/24)*
Phase II Total	**$7 M**

Phase III Projects

• Colchester - Prim Rd/West Lakeshore Dr Intersection	$2.6 M *(FY23/24)*
• Colchester - VT2A Improvements	$0.4 M *(tbd)*
• Essex - Susie Wilson Road/VT15 Intersection	$1.6 M *(FY25/26)*
• Essex - VT117/North Williston Road Intersection	$1.6 M *(FY26)*
• Williston - I-89 Exit 12 Improvements - Stage 3	
- DDI Interchange	$60,000 *(tbd)*
• Williston - VT2A/Industrial Ave/Mountain View Rd *(FY24/25/26)*	$10.4 M
Phase III Total	**$16.9 M**

CIRC Alternative Projects Listed in FY2020-2023 TIP

Phase III Projects not Started

- Essex - VT117/North Williston Road Hazard Mitigation Improvements
- Essex - VT15 Sidewalk - Old Stage Road to Essex Way
- Williston - I-89 Exit 12 Improvements - Stage 2 and Stage 4
- Williston - Mountain View Road Shoulder Improvements
- Williston - US2 Shared Use Path - Taft Corners to Williston Village
- Williston - VT2A Sidewalk, Knight Ln to O'Brien Ct

Questions?
Comments?

How to Read the TIP

The TIP contains the following three sections:

Section I: Introduction

- What the TIP is
- Adoption Resolution
- Glossary of Acronyms

Section II: Projects by Municipality

- Chittenden County projects that CCRPC authorizes for obligation of federal funds

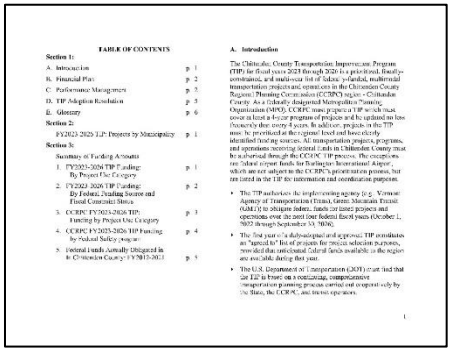


TABLE OF CONTENTS

Section I:

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

Section 2:

FY2023-2026 TIP: Projects by Municipality p. 1

Section 3:

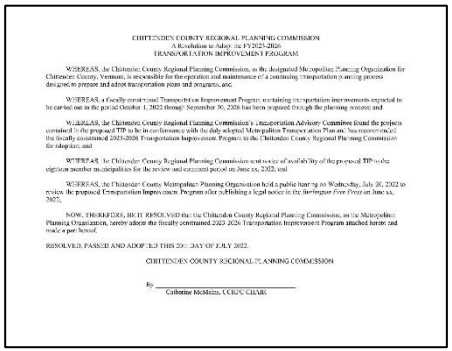
Summary of Funding Amounts

1. FY2023-2026 TIP Funding: By Project Fact Category p. 1
2. FY2023-2026 TIP Funding: By Federal, Funding Source and Fiscal Constraint Status p. 2
3. CCRPC FY2023-2026 TIP: Funding by Project Use Category p. 3
4. CCRPC FY2023-2026 TIP Funding by Federal Safety program p. 4
5. Federal Funds Actually Obligated in the Chittenden County FY2013-2021 p. 5

A. Introduction

The Chittenden County Transportation Improvement Program (TIP) for fiscal years 2023 through 2026 is a prioritized, fiscally-constrained, and multi-year list of federal, state/local, 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 four-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 (VTrans), Green Mountain Transit (GMT)) to obligate federal funds for listed projects and operations over the next four federal fiscal years (October 1, 2022 through September 30, 2026).
- The first year of a duly-adopted and approved TIP constitutes an "agreed to" list of projects for project selection purposes, over-and-above anticipated federal funds available in the region are not valid during this 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.


CHITTENDEN COUNTY REGIONAL PLANNING COMMISSION
A Resolution to Adopt the FY2023-2026
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, 2022 through September 30, 2026 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 2023-2026 Transportation Improvement Program to the Chittenden County Regional Planning Commission for adoption; and

WHEREAS, the Chittenden County Regional Planning Commission sent notice of availability of the proposed TIP to the eighteen member municipalities for the review and comment period on June xx, 2022; and

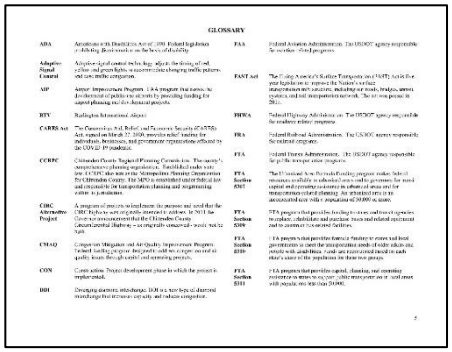
WHEREAS, the Chittenden County Metropolitan Planning Organization held a public hearing on Wednesday, July 20, 2022 to review the proposed Transportation Improvement Program after publishing a legal notice in the *Burlington Free Press* on June xx, 2022;

NOW, THEREFORE, BE IT RESOLVED that the Chittenden County Regional Planning Commission, as the Metropolitan Planning Organization, hereby adopts the fiscally constrained 2023-2026 Transportation Improvement Program attached hereto and made a part hereof.

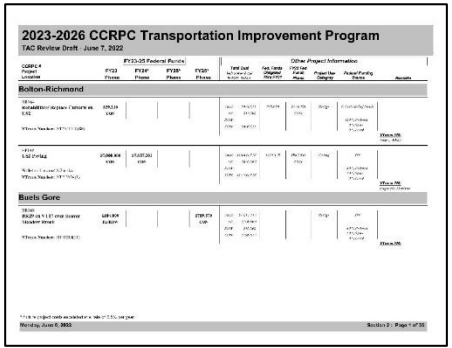
RESOLVED, PASSED AND ADOPTED THIS 20th DAY OF JULY 2022.

CHITTENDEN COUNTY REGIONAL PLANNING COMMISSION

By _____
Catherine McMenimen, CCRPC CHAIR


GLOSSARY

ADA	Acronym for 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 in response to data showing traffic patterns and non-traffic congestion.	FAST Act	The Fixing America's Surface Transportation Act ("FAST Act") is the first federal law in 10 years to provide long-term funding certainty for surface transportation infrastructure, including planning, investment, and research programs. The law was passed in 2015.
AIP	Airport Improvement Program. FAA program that assists in the financing of public-use airports by providing funding for airport planning and development projects.	FHWA	Federal Highway Administration. The USDOT agency responsible for roadway-related programs.
BTV	Burlington International Airport	FRA	Federal Railroad Administration. The USDOT agency responsible for railroad programs.
CARES Act	The Coronavirus Aid, Relief, and Economic Security (CARES) Act, signed on March 27, 2020, provides relief funding for individuals, businesses, and government organizations affected by the COVID-19 pandemic.	FTA	Federal Transit Administration. The USDOT agency responsible for public transportation projects.
CCRPC	Chittenden County Regional Planning Commission. The county's metropolitan planning organization. Established under state law, CCRPC also acts as the Metropolitan Planning Organization for Chittenden County. The MPO is mandated under federal law and empowered by the transportation planning and programming entity in jurisdiction.	FTA Section 5307	The FTA formula grants 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 area encompassing a population of 50,000 or more.
CIRC Alternative Project	A program of projects developed to promote the purpose and need that the CIRC Alternative was originally intended to address. In 2013, the Governor announced that the Chittenden County-Circumferential Highway was not politically viable and would not be built.	FTA Section 5309	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.
CMAQ	Congestion Mitigation and Air Quality Improvement Program. Federal funding program that funds surface transportation and air quality issues through capital and operating projects.	FTA Section 5310	FTA program that provides formula funding to states and local governments to meet the transportation needs of older adults and persons with disabilities. Funds are apportioned based on each state's share of the population for these two groups.
CON	Construction. Project development phase in which the project is implemented.	FTA Section 5311	FTA program that provides capital, planning, and operating assistance to states to support public transportation in rural areas with populations less than 50,000.
DDI	Diverging diamond interchange. DDI is a new hybrid diamond interchange that increases capacity and reduces congestion.		


2023-2026 CCRPC Transportation Improvement Program
TAC Review Draft - June 7, 2022

Bolton-Richmond

Buels Gore

How to Read the TIP

Section III: Summary of Funding Amounts

- Figures and tables showing federal funds by CCRPC Project Use Categories and federal funding sources

TIP Projects by Use Categories

Aviation – *FOR INFORMATION ONLY* -- $104.9 Million

- Airfield Projects - $30.9 M
- Planning and Environmental Studies - $1.5 M
- Snow Removal Equipment/Maintenance Facility - $14.4 M
- Terminal Building Projects - $40 M
- Noise Mitigation - $18 M