



CHITTENDEN  
COUNTY  
RPC

# Overview of MTP Financial Plan

*CCRPC Board,  
September 20, 2017*

# Metropolitan Transportation Plan (MTP) Financial Plan

## Three Elements

1. Funding “reasonably expected to be available”
2. Level of funding needed to operate and maintain the existing system
3. The difference between 1 and 2 and how this will be allocated to projects/strategies

# MTP Financial Plan

## Determining Available Funding

- Trend in Statewide Obligation history
- Region's Historic Share on State funding
- Assume Both Continue into the Future
- Forecast Funding in Constant and Year-of-Expenditure Dollars

# MTP Financial Plan

## FHWA and FTA Funds to VT: FY2010-FY2016

<b>MTP Fiscal Constraint, VTrans Obligations by Year</b>		
	<b>Year Of Expenditure (YOE)</b>	<b>Constant 2016 \$</b>
FY 2010	\$201,834,075	\$222,152,066
FY 2011	\$199,004,872	\$212,335,621
FY 2012	\$197,467,517	\$206,423,453
FY 2013	\$199,746,293	\$205,791,234
FY 2014	\$203,614,734	\$206,428,095
FY 2015	\$208,080,804	\$210,705,770
FY 2016	\$217,427,482	\$217,427,482
	<b>AVG</b>	<b>\$211,609,103</b>

## Federal Transportation Funds\* Obligated in Vermont and Chittenden County

Federal Fiscal Year	FHWA and FTA Formula Funds	Chittenden County Obligations	CC as Percentage of State
FY1999	\$141,644,879	\$20,716,152	14.6%
FY2000	\$137,475,720	\$34,124,215	24.8%
FY 2001	\$141,162,474	\$26,574,888	18.8%
FY 2002	\$153,992,216	\$37,213,939	24.2%
FY 2003	\$149,892,007	\$42,359,853	28.3%
FY 2004	\$161,396,138	\$55,511,396	34.4%
FY 2005	\$147,008,522	\$59,717,025	40.6%
FY 2006	\$149,970,687	\$32,022,092	21.4%
FY 2007	\$156,335,139	\$24,053,735	15.4%
FY 2008	\$157,949,734	\$25,990,323	16.5%
FY 2009	\$156,442,879	\$27,373,347	17.5%
FY 2010	\$222,152,066	\$27,663,934	12.5%
FY 2011	\$212,335,621	\$26,643,026	12.5%
FY 2012	\$206,423,453	\$32,458,183	15.7%
FY 2013	\$205,791,234	\$43,519,161	21.1%
FY 2014	\$206,428,095	\$15,517,128	7.5%
FY 2015	\$210,705,770	\$18,450,521	8.8%
FY 2016	\$217,427,482	\$31,321,866	14.4%
<b>AVERAGE</b>			<b>19.4%</b>

\*Funds are in 2016 dollars calculated from <http://www.usinflationcalculator.com/>

# MTP Financial Plan

## Estimated Total Federal Funds

- **Projected Annual and Cumulative Funding Available for Chittenden County Projects (millions) at 3% annual inflation**

FY		2015	2020	2025	2030	2035	2040	2045	2050
<b>Annual</b>	Constant 2016 \$	\$41.05	\$41.05	\$41.05	\$41.05	\$41.05	\$41.05	\$41.05	\$41.05
	Year of Expenditure \$	\$41.05	\$47.59	\$55.17	\$63.96	\$74.14	\$85.95	\$99.64	\$115.52
<b>Cumulative</b>	Constant 2016 \$	\$41.05	\$205.26	\$410.52	\$615.78	\$821.04	\$1,026.30	\$1,231.56	\$1,436.83
	Year of Expenditure \$	\$41.05	\$224.49	\$484.74	\$786.43	\$1,136.18	\$1,541.63	\$2,011.67	\$2,556.56

# **MTP Financial Plan**

## **System Preservation Element**

Develop Average Annual Costs Based on  
Historic TIP Obligations to:

- Paving and Bridge, and
- CCTA Maintenance and Operations

## Comparison of Chittenden County Obligation History by Project Use Categories for Various Time Periods

Use Category	FY2000-2016 No Earmarks	% of Total	FY2005-2016 No Earmarks	% of Total	FY2010-2016 No Earmarks	% of Total
Paving	\$83,348,715	17.3%	\$70,547,621	21.2%	\$42,917,307	22.8%
Bridge	\$103,223,336	21.5%	\$84,854,584	25.5%	\$57,186,462	30.4%
Slope/Ledge Stabilization/ Improvements	\$5,098,295	1.1%	\$3,665,426	1.1%	\$3,179,610	1.7%
Transit Ops & Maintenance	\$73,141,240	15.2%	\$58,315,752	17.5%	\$35,341,817	18.8%
<b>Preservation Total</b>	<b>\$264,811,586</b>	<b>55.1%</b>	<b>\$217,383,383</b>	<b>65.4%</b>	<b>\$138,625,196</b>	<b>73.6%</b>
Roadway Corridor Improvements	\$19,095,871	4.0%	\$5,993,093	1.8%	\$4,491,984	2.4%
Roadway System Management	\$28,106,086	5.9%	\$22,417,261	6.7%	\$13,734,842	7.3%
New Facility/Major Roadway Upgrades	\$105,422,522	21.9%	\$55,660,307	16.8%	\$8,522,390	4.5%
Bike&Pedestrian/ Enhancement	\$29,217,067	6.1%	\$15,773,484	4.7%	\$10,908,684	5.8%
Intermodal	\$7,265,577	1.5%	\$5,782,049	1.7%	\$4,762,049	2.5%
Stormwater/ Environmental	\$280,538	0.1%	\$188,000	0.1%	\$188,000	0.1%
Rail	\$7,920,000	1.6%	\$20,000	0.0%	\$0	0.0%
Transit Expansion	\$10,109,672	2.1%	\$9,080,172	2.7%	\$7,009,935	3.7%
Other	\$8,210,543	1.7%	\$0	0.0%	\$0	0.0%
<b>Other Total</b>	<b>\$215,627,876</b>	<b>44.9%</b>	<b>\$114,914,366</b>	<b>34.6%</b>	<b>\$49,617,884</b>	<b>26.4%</b>
<b>Grand Total</b>	<b>\$480,439,462</b>	<b>100.0%</b>	<b>\$332,297,749</b>	<b>100.0%</b>	<b>\$188,243,080</b>	<b>100.0%</b>



# MTP Financial Plan

## Total Federal Funds Available

### 70 Percent and 55 Percent to Maintenance

#### Estimated Federal Funding For Chittenden County: 2016 - 2050 Comparison of Maintenance Funding Options

Future Funding Estimates (Includes State and Local Match)	70 Percent to System Preservation* Millions (2016\$)	55 Percent to System Preservation* Millions (2016\$)
Total Funding for Transportation System	\$1,796.03	\$1,796.03
Funding to Paving, Bridge and Transit Operations and Maintenance	\$1,257.22	\$987.82
Cost of 2017 Transportation Improvement Program (TIP) Construction Projects	\$120.49	\$120.49
Total Available New Funding to address new transportation needs excluding TIP	<b>\$418.32</b>	<b>\$687.72</b>

\* System Preservation includes Paving, Bridge and Transit Operations and Maintenance. This figure does not include funds spent in Chittenden County by VTrans Maintenance Districts.

# Next Steps for Financial Plan

- Develop the MTP Project List that takes into account the fiscal constraint limit
- Consider funding targets by project use category