



CAPE COD
COMMISSION

FFY 2017 - 2021

Transportation Improvement Program (TIP) Development



April 8, 2016 – Cape Cod Joint Transportation Committee

Transportation Improvement Program (TIP)

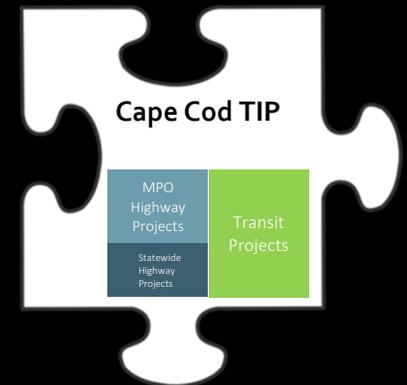
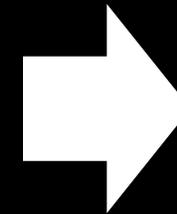
- + The TIP is a five-year schedule of regional priority roadway, transit, and multimodal projects receiving federal funding
- + Financial constraint is required for each year
- + Critical decisions must be made on which projects receive funding

Cape Cod Transportation Improvement Program (TIP)

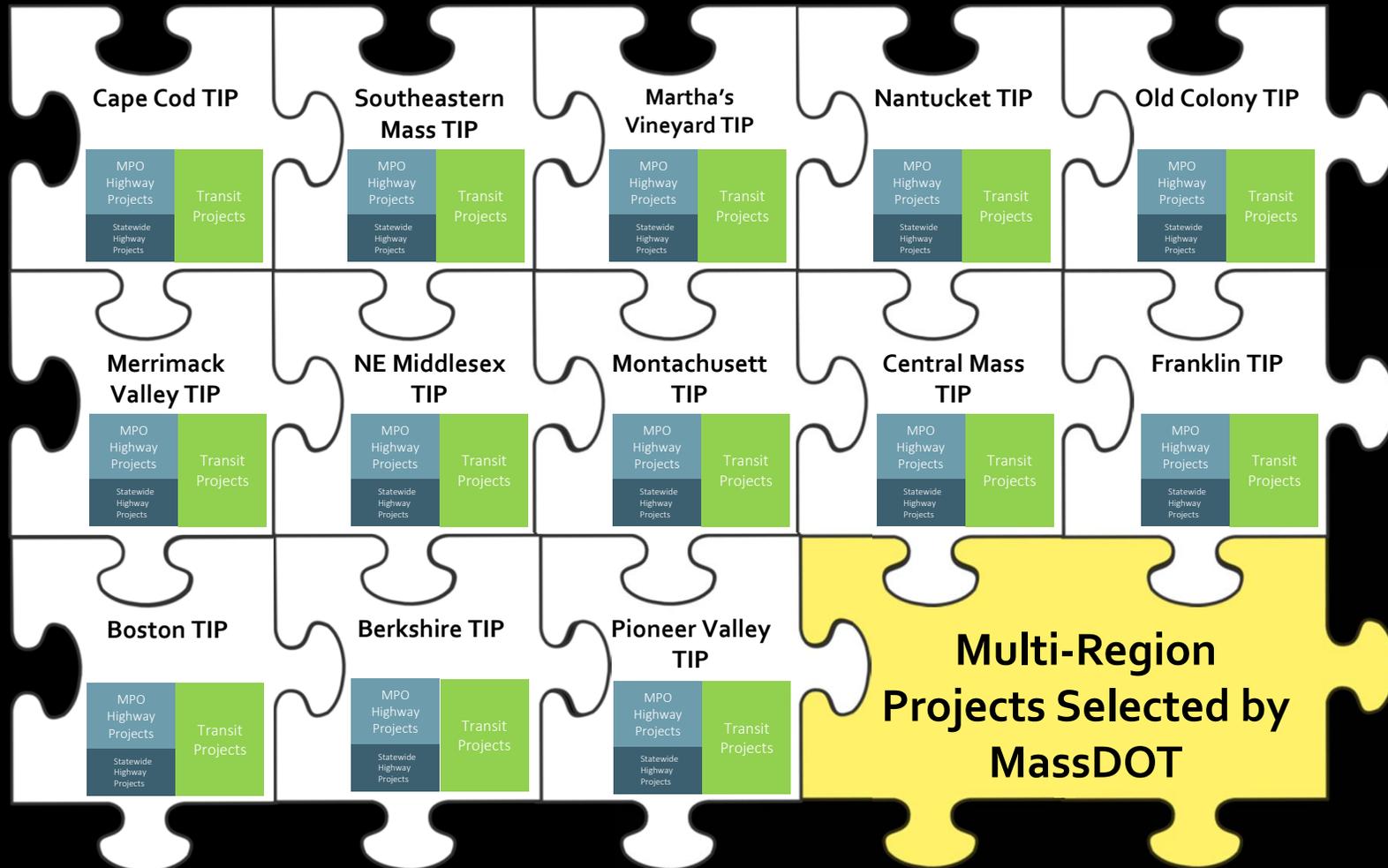
MPO
Highway
Projects

Statewide
Program Highway
Projects

Transit
Projects



State Transportation Improvement Program (STIP)



CCJTC and Cape Cod MPO
preliminary discussions

Project readiness recommendations provided by
MassDOT at "TIP Day" on April 14, 2016

March & April 2016 meetings

CCJTC review of draft and
recommendation

May 13, 2016

Cape Cod MPO review and
potential vote to release draft

May 16, 2016

30-Day Public Comment Period

May 16, 2016 – June 15, 2016

[Includes June 10, 2016 CCJTC Meeting]

Cape Cod MPO review and
potential vote to approve

June 20, 2016

Cape Cod FFY 2017-2021 Transportation Improvement Program (TIP) Development Schedule

Cape Cod Transportation Improvement Program (TIP)

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Highway Funding for MPO Projects

FFY 2017 – 2021 **Draft** Regional Targets

Year	STP	HSIP	CMAQ	TAP	TOTAL Regional Target with State Match
2017	\$7,433,200	\$458,514	\$1,432,857	\$193,036	\$9,517,607
2018	\$8,069,313	\$458,514	\$1,146,285	\$210,307	\$9,884,419
2019	\$8,086,584	\$458,514	\$1,146,285	\$193,036	\$9,884,419
2020	\$8,271,336	\$458,514	\$1,146,285	\$242,367	\$10,118,502
2021	\$7,093,978	\$458,514	\$2,246,285	\$319,725	\$10,118,502
2017-2021	\$31,860,433	\$2,292,570	\$7,117,997	\$1,158,471	\$49,523,449

STP - Surface Transportation Program

STP funds are for general highway projects in the region: roadways, intersections, and bridges.

HSIP - Highway Safety Improvement Program

HSIP funds are for projects designed to improve safety in the region's highest crash locations.

CMAQ - Congestion Mitigation and Air Quality Improvement Program

CMAQ funds are for projects designed to reduce congestion and improve air quality.

TAP - Transportation Alternatives Program

TAP is a new category in Moving Ahead for Progress in the 21st Century (MAP-21), for projects similar to those previously eligible under Transportation Enhancements, Recreational Trails, and/or Safe Routes to Schools

FFY 2016-19 MPO Highway Projects:

As programed in the FFY 2016-19 TIP

	2016	2017	2018	2019
MPO Projects	Orleans, Main St at Rte 28 and Main St at Rte 6A	Dennis, Rte 28 Corridor & Streetscape Improvements	Wellfleet, Rte 6 at Main St	Chatham, Rte 28 at Main St, Depot Rd, Queen Anne Rd and Crowell Rd
	\$3,547,482	\$4,063,064	\$2,240,000	\$2,400,000
	Barnstable, Rte 6 Exit 5 Lighting and Landscaping	Falmouth, Rte 28A at Rte 151	Barnstable, Rte 28 at Yarmouth Rd [\$6,400,598 TIP Total]	Mashpee, Rte 151 [remainder of project will be programmed in 2020]
	\$600,000	\$2,240,000	\$5,859,798	\$5,000,000
	Chatham, Rte 28 - George Ryder Rd to Barn Hill Rd	Barnstable, Rte 28 at Osterville-West Barnstable Rd	Barnstable, CCRTA Hyannis Villager Project (Year 3 of 3)	Bourne, Belmont Circle Traffic Improvements
	\$2,735,090	\$2,240,000	\$711,828	\$1,740,000
	Dennis-Yarmouth, Cape Cod Rail Trail Extension - Bass River Bridge [\$2,403,106 TIP Total]	Barnstable, CCRTA Hyannis Villager Project (Year 2 of 3)		
	\$307,026	\$685,464		
	Cape Cod, Bicycle Rack Program			
\$50,000				
Barnstable, CCRTA Hyannis Villager Project (Year 1 of 3)				
\$659,100				
Programmed	\$7,898,698	\$9,228,528	\$8,811,626	\$9,140,000
Target	\$8,004,511	\$9,471,756	\$9,884,419	\$9,884,419
Over/Under	\$105,813	\$243,228	\$1,072,793	\$744,419

FFY 2017-21 MPO Highway Project Discussion

	2017	2018	2019	2020	2021
MPO Projects	Dennis, Rte 28 Corridor & Streetscape Improvements	Wellfleet, Rte 6 at Main St	Chatham, Rte 28 at Main St, Depot Rd, Queen Anne Rd and Crowell Rd	Mashpee, Rte 151 [AC Year 2 of 2]	Cape Cod, Bicycle Rack Program
	\$5,597,012	\$2,240,448	\$2,880,000	\$4,570,000	\$100,000
	Falmouth, Rte 28A at Rte 151	Barnstable, Rte 28 at Yarmouth Rd	Mashpee, Rte 151 [AC Year 2 of 2]	Cape Cod, Bicycle Rack Program	
	\$2,797,859	\$6,400,598	\$5,000,000	\$100,000	
	Cape Cod, Bicycle Rack Program	Cape Cod, Bicycle Rack Program	Bourne, Belmont Circle Multi-modal Improvements		
	\$100,000	\$100,000	\$5,846,400		
	Barnstable, Rte 28 at Osterville-West Barnstable Rd	Barnstable, CCRTA Hyannis Loop Demonstration (Year 3 of 3)	Cape Cod, Bicycle Rack Program		
	\$2,311,857	\$711,828	\$100,000		
Barnstable, CCRTA Hyannis Loop Demonstration (Year 2 of 3)					
\$685,464					
Programmed	\$11,492,192	\$9,452,874	\$13,440,328	\$4,670,000	\$100,000
Target	\$9,517,607	\$9,884,419	\$9,884,419	\$10,118,502	\$10,118,502
Over/Under	(\$1,974,585)	\$431,545	(\$3,555,909)	\$5,448,502	\$10,018,502
Statewide Projects	Yarmouth-Barnstable, Cape Cod Rail Trail Extension				
	\$7,067,146				
	Har-Brew-Orl, Route 6 Resurfacing				
\$6,615,000					

Note: With updated projects costs and the anticipated need to the Chatham Route 28 George Ryder Road to Barn Hill Road project (#606596) to FFY2017, projects will need to be moved to maintain financial constraint.

FFY 2017-21 MPO Highway Project Discussion: Currently Unprogrammed Projects

Project	Cost Estimate
• Bourne- Median Installation On Route 6 (Scenic Highway)	\$8,050,000
• Sandwich- Construction Of Shared Use Path Along Service Road From Route 130 To Chase Road	\$5,000,400
• Yarmouth- Intersection Improvements On Route 6 Ramps @ Union Street & Station Avenue	\$5,000,400
• Dennis- Corridor And Streetscape Improvements On Main Street (Route 28), From Uncle Barneys Road To Old Main Street (Phase 2)	\$4,500,000
• Yarmouth - Resurfacing and Related Work on Route 28	\$4,000,000
• Barnstable - Resurfacing and Related Work on Route 28	\$2,875,000
• Dennis-Yarmouth - Resurfacing & Related Work On Route 6	\$2,500,000
• Barnstable- Intersection Improvements At Iyannough Road (Route 132) And Main Street (Route 6A)	\$1,200,000 (Old estimate)
• Truro- Bicycle Accommodation Improvements On Route 6	\$500,000

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Cape Cod 2016-19 TIP: Statewide Program Highway Projects

FFY	Project	Estimated Cost
2017	Yarmouth-Barnstable, Cape Cod Rail Trail Extension	\$8,100,000
2017	Harwich-Brewster-Orleans, Route 6 Resurfacing	\$7,026,614

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2017-2021 CCRTA TIP Project: Summary

Project Description	Program	2017	2018	2019	2020	2021
Acquire - ADP Software	5307/RTACAP	\$472,000				
Acquire - ADP Hardware	5339/RTACAP	\$405,189		\$29,707	\$24,000	\$26,000
Bus Overhaul Program	5307/39/RTACAP	\$726,000	\$650,000	\$771,000	\$1,056,000	\$845,300
Preventive Maintenance	5307/SCA	\$5,041,517	\$4,879,536	\$5,361,377	\$5,541,833	\$5,800,000
Operating Assistance	5307/SCA	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000
Mobility Management	5307/SCA	\$1,183,200	\$1,206,864	\$1,231,001	\$1,255,621	\$1,285,360
ADA Paratransit Service	5307/SCA	\$511,463	\$532,126	\$542,769	\$553,624	\$572,184
Acquisition of Bus Shelters	5339/RTACAP	\$64,000	\$66,000	\$64,000	\$70,000	\$72,000
Rehab/Renovate Bus Stations	5339/RTACAP	\$470,000	\$462,000	\$120,000	\$645,000	\$186,500
Expansion of Bus Over 30'			\$1,100,000			
Acquisition of Bus Over 30'				\$1,150,000	\$1,800,000	\$2,900,000
Acquisition of Bus Equip	5339/RTACAP	\$56,661	\$76,107	\$195,127	\$298,666	\$548,300
TOTAL		\$9,532,047	\$9,572,633	\$10,064,981	\$11,844,744	\$12,835,644

**Federal Funding - 5307 Urbanized Area Funding; 5339 Bus and Bus Facilities Funding;
MassDOT - RTACAP Capital Matching Funds; SCA State Contract Assistance**

THANK YOU

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