



CAPE COD
COMMISSION

April 12, 2013

**Preliminary information for discussion on
the Cape Cod
Transportation Improvement Program
(TIP)
for Federal Fiscal Years 2014-2017**

Following are:

- the “highway” financial information for Cape Cod
- the “highway” targeted projects
- the “transit” summary
- the TIP Development Schedule
- Project inflation spreadsheet

Please Note:

MassDOT updated Bridge, National Highway System, and other maintenance project lists are yet to be received, however, the CCC was asked to develop a TIP Adjustment letter. This adjustment letter will request that the Chatham Mitchell River Bridge project move from TIP year 2013 to TIP year 2014 in the latest 2013-2016 TIP Amendment.

**DRAFT Financial Targets for the Cape Cod Transportation Improvement Program (TIP)
from Federal Highway and State Matching Funds, March-April 2013**

Year	STP	HSIP	CMAQ	TAP	TOTAL Regional Target with State Match
2014	\$5,439,085	\$630,457	\$2,177,942	\$178,764	\$8,426,248
2015	\$4,840,438	\$509,460	\$1,719,428	\$178,764	\$7,248,090
2016	\$5,590,491	\$509,460	\$1,719,428	\$178,764	\$7,998,143
2017	\$5,590,491	\$509,460	\$1,719,428	\$178,764	\$7,998,143
2014-2017	\$21,460,505	\$2,158,837	\$7,336,226	\$715,056	\$31,670,624

Financial categories:

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

Cape Cod TIP "Highway" Target Projects, Preliminary Review April 12, 2013 2014-2017

April 12, 2013, following CCJTC discussion & recommendations			TOTAL	Federal	State
Year	Project	FUND	Amount	Amount	Amount
2014	604488 DENNIS-YARMOUTH CCRT ext. Rte. 134 – Peter Homer Park, Old Town House Rd., South Yarmouth	CMAQ	\$7,234,136	\$5,787,309	\$1,446,827
2014	606178 Bourne Rotary, Otis Rotary, and Route 28 safety improvements to coincide with the MassDOT maintenance project	HSIP	\$630,457	\$567,411	\$63,046
2014	Transportation Alternatives Program (TAP) Project to be determined	TAP	\$178,764	\$143,011	\$35,753
2014	CCRTA Bourne--Sandwich (Total Amount \$286,083- half by local)	CMAQ	\$149,888	\$149,888	\$0
2014	CCRTA Bourne--Falmouth (Total Amount \$286,083- half by local)	CMAQ	\$148,763	\$148,763	\$0
2014	CCNS Bike Shuttle (Total Amount \$101,088; local \$16,848)	CMAQ	\$84,240	\$84,240	\$0
\$8,426,248			\$8,426,248	\$6,880,622	\$1,545,626
<i>TARGET less PROGRAMMED AMOUNT</i>			\$0		
2015	606164 Harwich Route 124	STP	\$2,496,000	\$1,996,800	\$499,200
2015	606394 Barnstable Route 28 Bearses Way	HSIP	\$2,620,800	\$2,096,640	\$524,160
2015	606461 Orleans Two Intersections Main St at Rte 28 and Main St at Rte 6A	CMAQ	\$2,000,000	\$1,600,000	\$400,000
2015	Transportation Alternatives Program (TAP) Project to be determined	TAP	\$178,764	\$143,011	\$35,753
2015	CCNS Bike Shuttle (Total Amount \$117,362; local \$29,753)	CMAQ	\$87,610	\$0	\$0
\$7,248,090			\$7,383,174	\$5,836,451	\$1,459,113
<i>TARGET less PROGRAMMED AMOUNT</i>			(\$135,084)		

Cape Cod TIP "Highway" Target Projects, Preliminary Review April 12, 2013 2014-2017

April 12, 2013, following CCJTC discussion & recommendations			TOTAL	Federal	State
Year	Project	FUND	Amount	Amount	Amount
2016	606272 Barnstable Route 28 at Yarmouth Road	STP	\$2,595,840	\$2,076,672	\$519,168
2016	607435 Barnstable Route 28 at Osterville-West Barnstable Road Intersection Improvements	poss CMAQ?	\$2,000,000	\$1,600,000	\$400,000
2016	606596 Chatham Rte. 28 George Ryder Rd. To Barn Hill Rd.	STP	\$3,309,696	\$2,647,757	\$661,939
2016	Transportation Alternatives Program (TAP) Project to be determined	TAP	\$178,764	\$143,011	\$35,753
\$7,998,143			\$8,084,300	\$6,467,440	\$1,616,860
<i>TARGET less PROGRAMMED AMOUNT</i>			<i>(\$86,157)</i>		
2017	606707 Dennis, Route 28 Corridor and Streetscape Improvements from Dennis Commons to Upper County Road		\$3,374,592	\$2,699,674	\$674,918
2017	607405 Chatham Route 28 at Main St., Depot Rd., Queen Anne Rd., and Crowell Rd. Intersection Improvements		\$2,249,728	\$1,799,782	\$449,946
2017	607444 Falmouth Route 28A at Route 151 Intersection Improvements		\$2,249,728	\$1,799,782	\$449,946
2017	Transportation Alternatives Program (TAP) Project to be determined	TAP	\$178,764	\$143,011	\$35,753
\$7,998,143			\$8,052,812	\$6,442,250	\$1,610,562
<i>TARGET less PROGRAMMED AMOUNT</i>			<i>(\$54,669)</i>		
OTHER FUNDS / NEXT TIP					
606016	Brewster, Route 6A Resurfacing, from the Dennis TL to the Orleans TL 7.78 miles, drainage upgrade, construction / reconstruction of sidewalk, guardrail upgrade, etc.		\$7,019,151	\$5,615,321	\$1,403,830
607319	Mashpee Route 151, from Rotary to Falmouth TL		\$9,280,128	\$7,424,102	\$1,856,026
606900	Bourne, Traffic Improvements @ Belmont Circle at Routes 6 / 25 / 28		\$5,896,087	\$4,716,870	\$1,179,217
			\$22,195,366	\$17,756,293	\$4,439,073

FY14 Capital

Needs		
2014 -> 113401 -> REHAB/RENOVATE - BUS TERMINAL	\$333,000	
2014 -> 114207 -> ACQUIRE - ADP HARDWARE	\$35,000	TE
2014 -> 119302 -> CONSTRUCTION - BUS SHELTERS	\$55,000	\$76,812
2014 -> 119309 -> CONSTRUCT ENHANCED ADA ACCESS	\$21,812	
2014 -> 111204 -> BUY REPLACEMENT	\$340,000	
2014 -> 114200 -> ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	\$1,198,000	
Projects:		
BUY REPLACEMENT <30 FT BUS	\$462,464	RTACAP
	\$2,445,276	\$396,562

FY15 Capital

Needs		
2015 -> 114402 -> REHAB/RENOVATE - MAINTENANCE FACILITY	\$1,500,000	
2015 -> 113400 -> REHAB/RENOVATE BUS STATIONS	\$350,000	
2015 -> 114207 -> ACQUIRE - ADP HARDWARE	\$41,000	TE
2015 -> 119302 -> CONSTRUCTION - BUS SHELTERS	\$55,650	\$79,117
2015 -> 119308 -> CONSTRUCT SIGNAGE	\$23,467	
2015 -> 114200 -> ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	\$450,000	
Projects:		
BUY REPLACEMENT <30 FT BUS	\$860,000	
BUY REPLACEMENT VAN	\$159,000	RTACAP
	\$3,439,117	\$484,023

FY16 Capital

Needs		
2016 -> 111303 -> BUY 30-FT BUS FOR EXPANSION	\$2,400,000	
2016 -> 113400 -> REHAB/RENOVATE BUS STATIONS	\$545,900	TE
2016 -> 119303 -> CONSTRUCT LANDSCAPING / SCENIC BEAUTIFICATION	\$28,445	\$81,490
2016 -> 114200 -> ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	\$865,225	
2016 -> 114207 -> ACQUIRE - ADP HARDWARE	\$55,000	
2016 -> 119306 -> CONSTRUCT BICYCLE ACCESS, FACIL & EQUIP ON BUSES	\$53,045	
Projects:		
BUY REPLACEMENT <30 FT BUS	\$870,000	
BUY REPLACEMENT VAN	\$216,000	RTACAP
	\$5,033,615	\$789,523

FY17 Capital

2017 -> 113400 -> REHAB/RENOVATE BUS STATIONS	\$562,277	
2017 -> 119302 -> CONSTRUCTION - BUS SHELTERS	\$58,000	TE
2017 -> 114207 -> ACQUIRE - ADP HARDWARE	\$65,000	\$83,935
2017 -> 119305 -> CONSTRUCT PED ACCESS / WALKWAYS	\$25,935	
2017 -> 114200 -> ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	\$891,182	
Projects:		
BUY REPLACEMENT <30 FT BUS	\$880,000	
BUY REPLACEMENT VAN	\$165,000	RTACAP
	\$2,647,394	\$320,478

FY18 Capital

2018 -> 113400 -> REHAB/RENOVATE BUS STATIONS	\$579,145	
2018 -> 114200 -> ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	\$1,125,509	
2018 -> 114207 -> ACQUIRE - ADP HARDWARE	\$70,000	TE
2018 -> 111203 -> BUY REPLACEMENT 30-FT BUS	\$4,125,000	\$86,453
2018 -> 119302 -> CONSTRUCTION - BUS SHELTERS	\$60,000	
2018 -> 119305 -> CONSTRUCT PED ACCESS / WALKWAYS	\$26,453	
Projects:		
BUY REPLACEMENT <30 FT BUS	\$890,000	
BUY REPLACEMENT VAN	\$336,000	RTACAP
	\$7,212,107	\$1,197,222

FY14 Project Summary

Project Information					
Cape Cod Regional Transit Authority (CCRTA) : BUY REPLACEMENT <30 FT BUS					
UPIN: BCG0000665					
Status: Open					
Created by Lynn Ahlgren on 2/27/2013 12:00 PM					
Last Modified by Kyle Emge on 3/5/2013 20:44 PM					
Funding Requests					
Fiscal Year: FY14					
Status	Year	Requested	Allocated	Encumber	Modified
Select	Review Pending	2014	\$462,464	\$0	\$0 2/27/2013

2013 DRAFT TIP DEVELOPMENT SCHEDULE

Cape Cod Transportation Improvement Program (TIP) for Federal Fiscal Years (FFY) 2014-2017

ITEM	DATE
Estimated Financial Targets Received from MassDOT	Monday, March 11, 2013
Quarterly Task Force Meeting - Discussion of \$ and projects	Tuesday, March 19, 2013
Cape Cod List of Projects submitted to MassDOT	Thursday, March 21, 2013
TIP DAY --Discussion of projects MassDOT and RPAs	Wednesday, April 10, 2013
CCJTC -- Discussion of proposed \$ and projects for the next TIP FFY 2014-2017	Friday, April 12, 2013
MPO -- Discussion of proposed \$ and projects for the next TIP FFY 2014-2017	Monday, April 22, 2013
CCJTC -- Preliminary Draft TIP for FFY 2014-2017	Friday, May 10, 2013
MPO -- Draft TIP for FFY 2014-2017 presented, vote on public release	Monday, May 20, 2013
Draft TIP to MassDOT for STIP	Tuesday, May 21, 2013
Additional Public Meeting	to be determined
CCJTC -- vote on Draft TIP for FFY 2014-2017	Friday, June 14, 2013
MPO -- vote on Final Draft TIP for FFY 2014-2017	Monday, June 24, 2013
Final TIP to MassDOT for STIP	Tuesday, June 25, 2013

Cape Cod Transportation Improvement Program Inflation Estimates

TIP PROJECT COSTS and YEAR OF EXPENDITURE / INFLATION

Project Cost Estimates are based on 2014 dollars, and a 4% annual inflation rate is added for projects with advertising proposed in future years. Project estimated total costs are BY YEAR OF EXPENDITURE (YOE), for years 2014-2017 an annual inflation rate of 4% is assumed.

This table shows the proposed Year of Expenditure (YOE) for each project shaded in green, and is subject to change. Please consult the latest TIP or TIP Amendment for programming information.

4%
annual inflation
estimated at 4%
annual increase

Estimates for TIP Years of Expenditure (Expected Project Advertising Year)							Design Status	Design Submission Date	MassDOT public hearing
Project	2014	2015	2016	2017	FUTURE				
604488 Dennis Yarmouth CCRT ext., from Route 134 to Station Avenue, including Bridge D-07-007 / Y-01-010	\$ 8,102,865	\$ 8,426,980	\$ 8,764,059	\$ 9,114,621	\$ 9,479,206	25%	3/1/2011	5/20/2013	
606164 Harwich Route 124 / Pleasant Lake Avenue reconstruction from Headwaters Drive to Brewster TL	\$ 2,400,000	\$ 2,496,000	\$ 2,595,840	\$ 2,699,674	\$ 2,807,661	pre-25%	25% fall 2013		
606394 Barnstable Route 28 Bearses Way	\$ 2,520,000	\$ 2,620,800	\$ 2,725,632	\$ 2,834,657	\$ 2,948,044	pre-25%	25% fall 2013		
606461 Orleans Two Intersections Main St at Rte 28 and Main St at Rte 6A	\$ 2,040,000	\$ 2,121,600	\$ 2,206,464	\$ 2,294,723	\$ 2,386,511	pre-25%	25% fall 2013		
606596 Chatham Rte. 28 George Ryder Rd. to Barn Hill Rd.	\$ 3,060,000	\$ 3,182,400	\$ 3,309,696	\$ 3,442,084	\$ 3,579,767	pre-25%	25% fall/ winter 2013		
606272 Barnstable Iyannough Road (Route 28) at Yarmouth Road intersection improvements	\$ 2,400,000	\$ 2,496,000	\$ 2,595,840	\$ 2,699,674	\$ 2,807,661	pre-25%	RSA Sept. 2012		
606016 Brewster, Route 6A Resurfacing, from the Dennis TL to the Orleans TL 7.78 miles, drainage upgrade, construction / reconstruction of sidewalk, guardrail upgrade, etc.	\$ 6,000,000	\$ 6,240,000	\$ 6,489,600	\$ 6,749,184	\$ 7,019,151	near 75%	unknown	none	
606707 Dennis, Route 28 Corridor and Streetscape Improvements from Dennis Commons to Upper County Road	\$ 3,000,000	\$ 3,120,000	\$ 3,244,800	\$ 3,374,592	\$ 3,509,576	pre-25%	25% fall 2013		
606900 Bourne, Traffic Improvements @ Belmont Circle at Routes 6 / 25 / 28	\$ 5,040,000	\$ 5,241,600	\$ 5,451,264	\$ 5,669,315	\$ 5,896,087	pre-25%			
607319 Mashpee Route 151, from Mashpee Rotary to Falmouth TL	\$ 8,250,000	\$ 8,580,000	\$ 8,923,200	\$ 9,280,128	\$ 9,651,333	pre-25%	25% fall/ winter 2013		
607405 Chatham Route 28 at Main St., Depot Rd., Queen Anne Rd., and Crowell Rd. Intersection Improvements	\$ 2,000,000	\$ 2,080,000	\$ 2,163,200	\$ 2,249,728	\$ 2,339,717	pre-25%			
607435 Barnstable Route 28 at Osterville-West Barnstable Rd Intersection Improvements.	\$ 2,000,000	\$ 2,080,000	\$ 2,163,200	\$ 2,249,728	\$ 2,339,717	pre-25%			
607444 Falmouth Route 28A at Route 151 Intersection Improvements	\$ 2,000,000	\$ 2,080,000	\$ 2,163,200	\$ 2,249,728	\$ 2,339,717	pre-25%			
CCRTA transit demo Bourne-Sandwich	\$ 149,888					100%			
CCRTA transit demo Bourne-Falmouth	\$ 148,763					100%			
CCNS Bike Shuttle	\$ 84,240	\$ 87,610				100%			

NOTE: The Cape Cod Rail Trail Extention in Dennis and Yarmouth also has earmark funds for construction

604488	Dennis Yarmouth CCRT ext.	\$ 8,102,865	Total estimated cost
604488	Dennis Yarmouth CCRT ext.	\$ 2,096,080	earmark for construction
		\$ 6,006,785	