

# 2016 Cape Cod Regional Transportation Plan Development

MAY 18, 2015

CAPE COD METROPOLITAN  
PLANNING ORGANIZATION



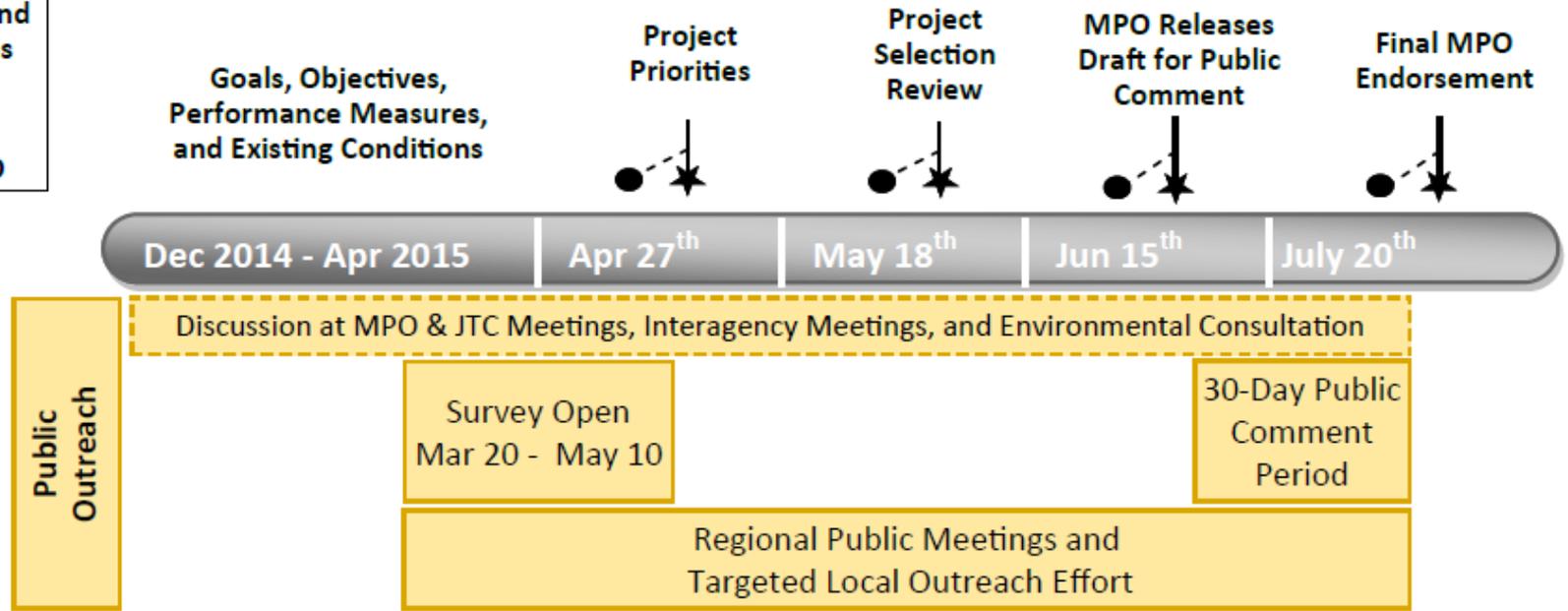
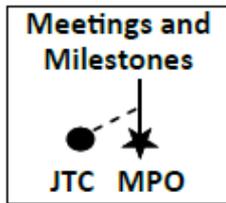
CAPE COD  
COMMISSION



# RTP DEVELOPMENT: PRESENTATION OUTLINE

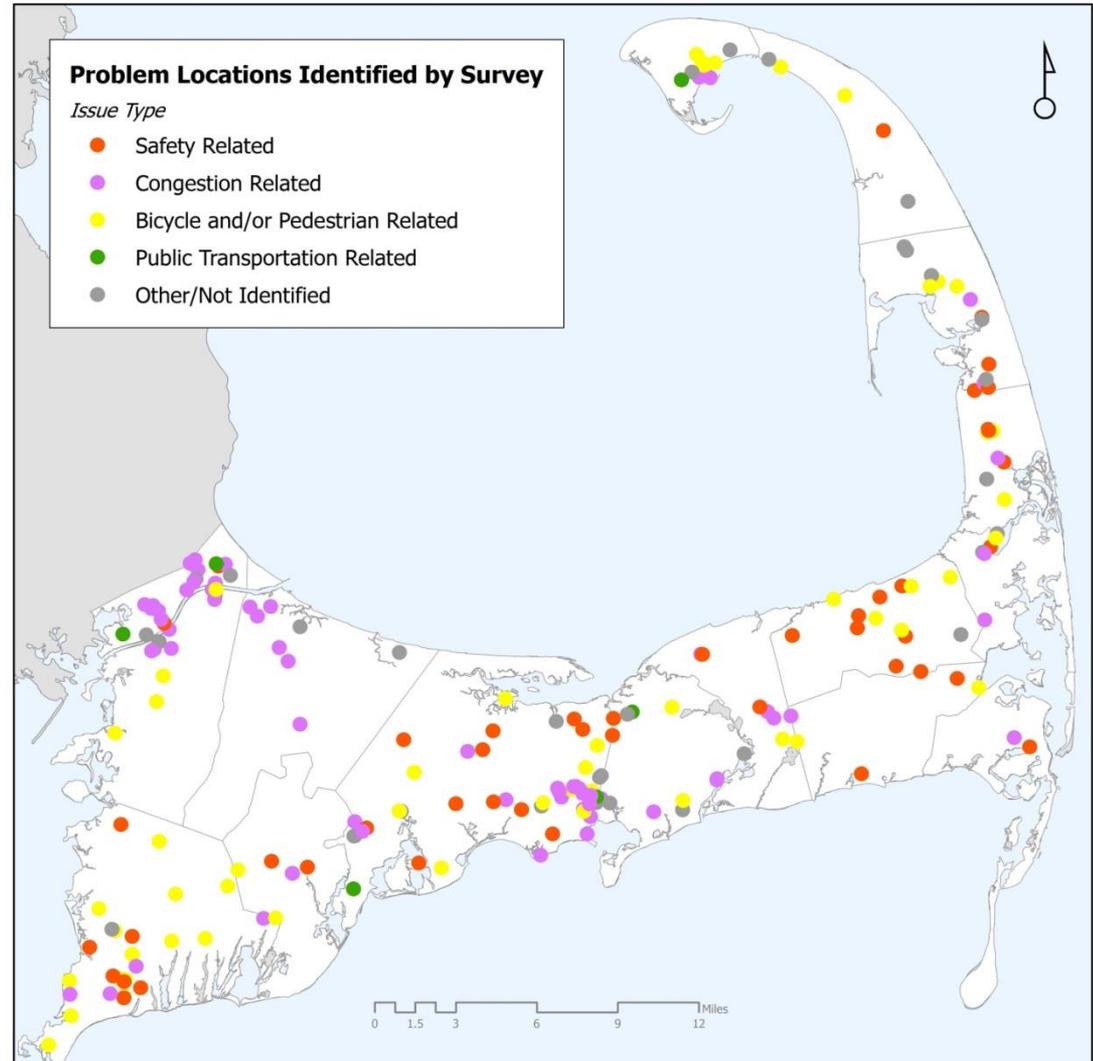
- + Schedule
- + Survey Results
- + Funding
- + Programming
- + Next Steps
- + Questions/Comments

# RTP DEVELOPMENT SCHEDULE



# SURVEY RESULTS

- + 125 online survey responses
- + 235 problem locations identified on the online survey mapping question
- + Other public input

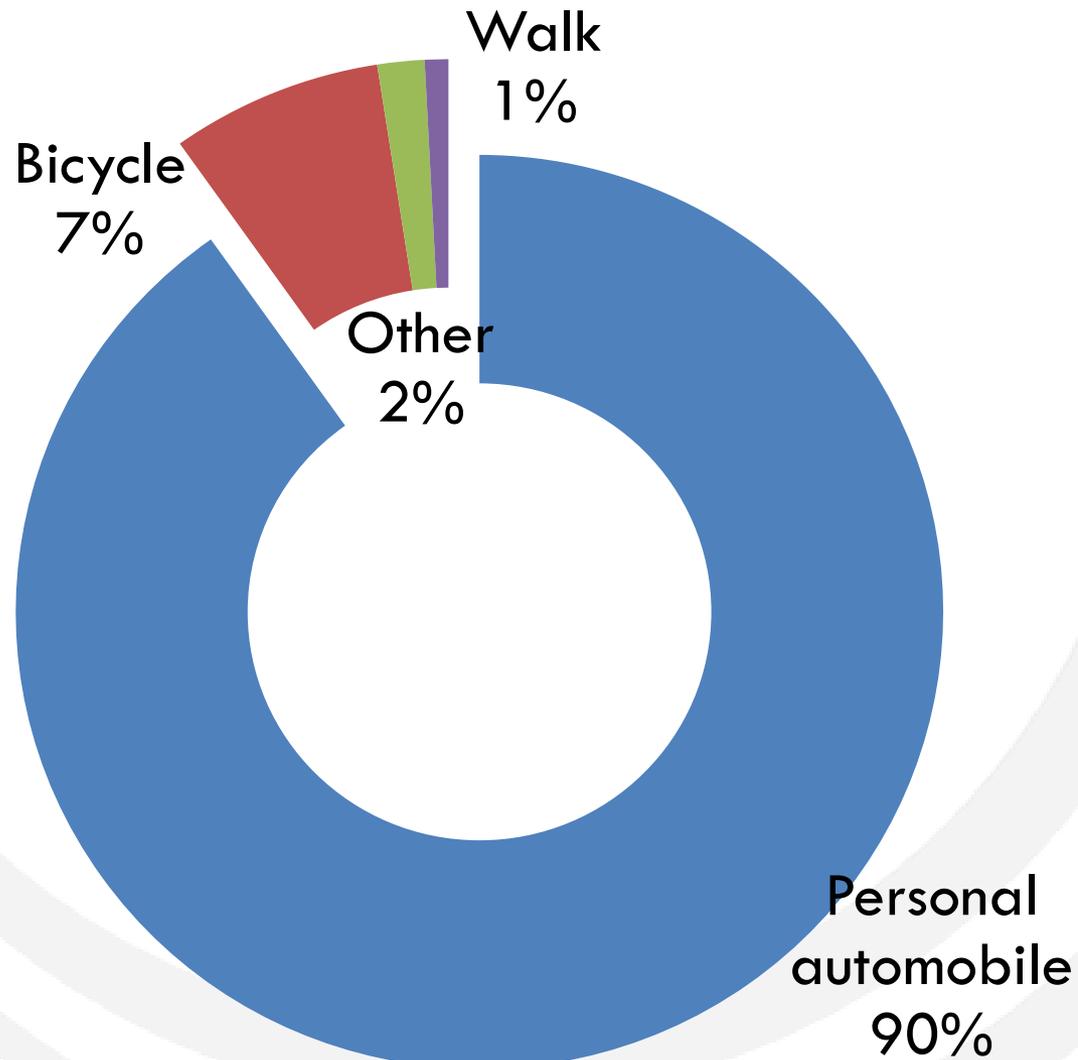


# SURVEY RESULTS: LIVE-WORK-PLAY

Town	Live*	Work*	Do most other activities (ie. visit, shop)*
Barnstable	25%	33%	31%
Bourne	6%	6%	4%
Brewster	7%	1%	1%
Chatham	3%	4%	0%
Dennis	2%	4%	7%
Eastham	2%	7%	1%
Falmouth	19%	13%	20%
Harwich	3%	2%	4%
Mashpee	5%	1%	3%
Orleans	2%	4%	9%
Provincetown	6%	7%	5%
Sandwich	6%	1%	4%
Truro	1%	0%	2%
Wellfleet	3%	2%	5%
Yarmouth	4%	4%	1%
Outside of Cape Cod	6%	12%	5%

\*Of those who responded to this question

# SURVEY RESULTS: PRIMARY MODE OF TRAVEL\*



\*Of those who responded to this question

# SURVEY RESULTS: CANAL CROSSING QUESTION

**Respondents were given the following information and asked a number of questions (next slide):**

Built 80 years ago, the Bourne and Sagamore highway bridges over the Cape Cod Canal require frequent maintenance to remain in service. Both seasonal and maintenance-related congestion at the bridges and on surrounding roadways have a significant impact on safety, emergency access, and overall economic activity of the Cape Cod communities.

The Massachusetts Department of Transportation is currently undertaking a 18-month Cape Cod Canal Transportation Study to identify potential improvements to the transportation system surrounding the Cape Cod Canal in Bourne and Sandwich.

# SURVEY RESULTS: CANAL CROSSING QUESTION (cont.)

## Regarding any potential bridge project coming out of Cape Cod Canal Transportation Study:

**23%** would OPPOSE a bridge project no matter the conditions

**77%** would SUPPORT a bridge project with appropriate conditions

## Regarding the conditions that were cited as important:

### Additional Bridge Crossing

(increase in total number of travel lanes - additional capacity)

58%

42%

### Bridge Replacement

(up to current design standards, but no increase in the total number of lanes)

### No tolls

(funding through public sources e.g. taxes)

64%

36%

### Tolls

(cost of construction reimbursed by users)

### Public financing

(reimbursed from public sources e.g. tolls or taxes)

82%

18%

### Private Financing

(reimbursed through tolls, known as Public-Private Partnership)

Note: Limited sample size and percentages based on those who chose to respond to this question.

# SURVEY RESULTS: PROJECT SUPPORT

Project Description	% Support or Greatly Support*	% Oppose or Greatly Oppose*
Route 28: Falmouth-Chatham improved bicycle accommodation (e.g., bike lanes, wider shoulders, "share the road" program)	79%	8%
Expand Cape-wide year-round bus service	77%	5%
Shining Sea Bike path: Extension to Bourne (with connection to Cape Cod Canal Path)	77%	4%
Cape Cod Rail Trail: Expansion from S. Wellfleet to Provincetown	77%	5%
Commuter Rail Service to Buzzards Bay (to/from Boston)	74%	7%
Commuter Rail Service to Hyannis (to/from Boston)	73%	10%
Cape Cod Rail Trail: Expansion from Yarmouth to Bourne	72%	6%
Yarmouth Rd/Willow St: Additional travel lanes and multi-use path	68%	5%
Bourne Rotary: replacement (similar to Sagamore Rotary project)	56%	21%
Route 6: Reconfigure Route 6 Exit 1C interchange (move westbound ramps away from Sagamore Bridge)	55%	11%
Transportation management center (facility to monitor and coordinate traffic & transit operations)	52%	16%
Route 6: Upgrade of interchanges (Exit 1C to Exit 12)	51%	12%
Barnstable Airport Rotary: replacement with underpass of major traffic flows	49%	23%
Sandwich Road (Bourne): median separation, 2 lanes in each direction	49%	11%
Falmouth Transportation Center	42%	6%
Otis Rotary: replacement	23%	23%

\*Of those who responded to this question

# SURVEY RESULTS: OTHER SUPPORT QUESTIONS

Other Support Questions	% Support or Greatly Support*	% Oppose or Greatly Oppose*
Prioritize Complete Streets projects to better accommodate all users including bicyclists and pedestrians	86%	4%
Prioritize improved stormwater treatment to help improve water quality	75%	4%
Consider roundabouts at appropriate locations as a means of improving intersection safety	59%	15%

\*Of those who responded to this question

# SURVEY RESULTS: BUDGET CHALLENGE

Average Change in Spending	Funding Category
5%	Bicycle/Pedestrian Improvements
1%	Roadway Projects Safety
1%	Intelligent Transportation Systems
-1%	Congestion/Air Quality
-1%	Transit Service
-2%	Bridge Maintenance
-3%	Roadway Maintenance

# SURVEY RESULTS: EXAMPLE COMMENTS

- + “People come to Cape Cod for the quality of life. A sustainable transportation plan will support the unique characteristics of Cape Cod”
- + “. . . create an environment where all road users can feel equal and feel safer”
- + “When doing road projects make sure to include wider shoulders. . . for safer bicycle accommodation”
- + “The Bourne Rotary badly needs to be replaced by a flyover”
- + “Make sure any long term plan is fully vetted through a transparent and inclusive process”
- + “The Flex bus should include stops at all public affordable housing complexes in order to make the Cape truly accessible to low-income residents”
- + “Budget needs to be increased”

# OUTREACH SUMMARY PLANNED



- + Second round of outreach during the public comment period
- + On the streets campaign
- + CCRTA bus flyers
- + Two additional open houses
- + Title VI/Nondiscrimination

# ESTIMATED FUNDING (MILLIONS):

2016-2040

Highway Statewide  
Projects on Cape Cod

**\$569 M**

+

Highway Regional  
Discretionary

**\$304 M**

=

Total  
Highway

**\$873 M**

+

Transit  
**\$229 M**

=



# PROGRAMMING OF HIGHWAY REGIONAL DISCRETIONARY FUNDS



- + Must maintain financial constraint
- + Broken into 5-year time bands
- + Selected based on consideration of many factors including consistency with RTP goals, potential benefits to the transportation system, and equity
- + Discussed with CCJTC subcommittee

# HIGHWAY REGIONAL DISCRETIONARY PROJECTS WITHIN FINANCIAL CONSTRAINT

## + Hyannis Access Improvements (phased)

- Route 28 at Yarmouth Road
- Yarmouth Road
- Iyannough Road and Airport Rotary

## + Canal Area Improvements

- Belmont Circle/Route 25 Ramp
- Route 6 Exit 1C Reconfiguration

## + Multimodal Improvements

- Cape Cod Rail Trail Extension: S. Wellfleet to Provincetown
- Cape Cod Rail Trail Extension: Barnstable to Cape Cod Canal
- Shinning Sea Bikepath Extension to Cape Cod Canal Path
- Route 28 Multimodal Improvements (various segments)

## + Route 6 Outer Cape Safety Improvements

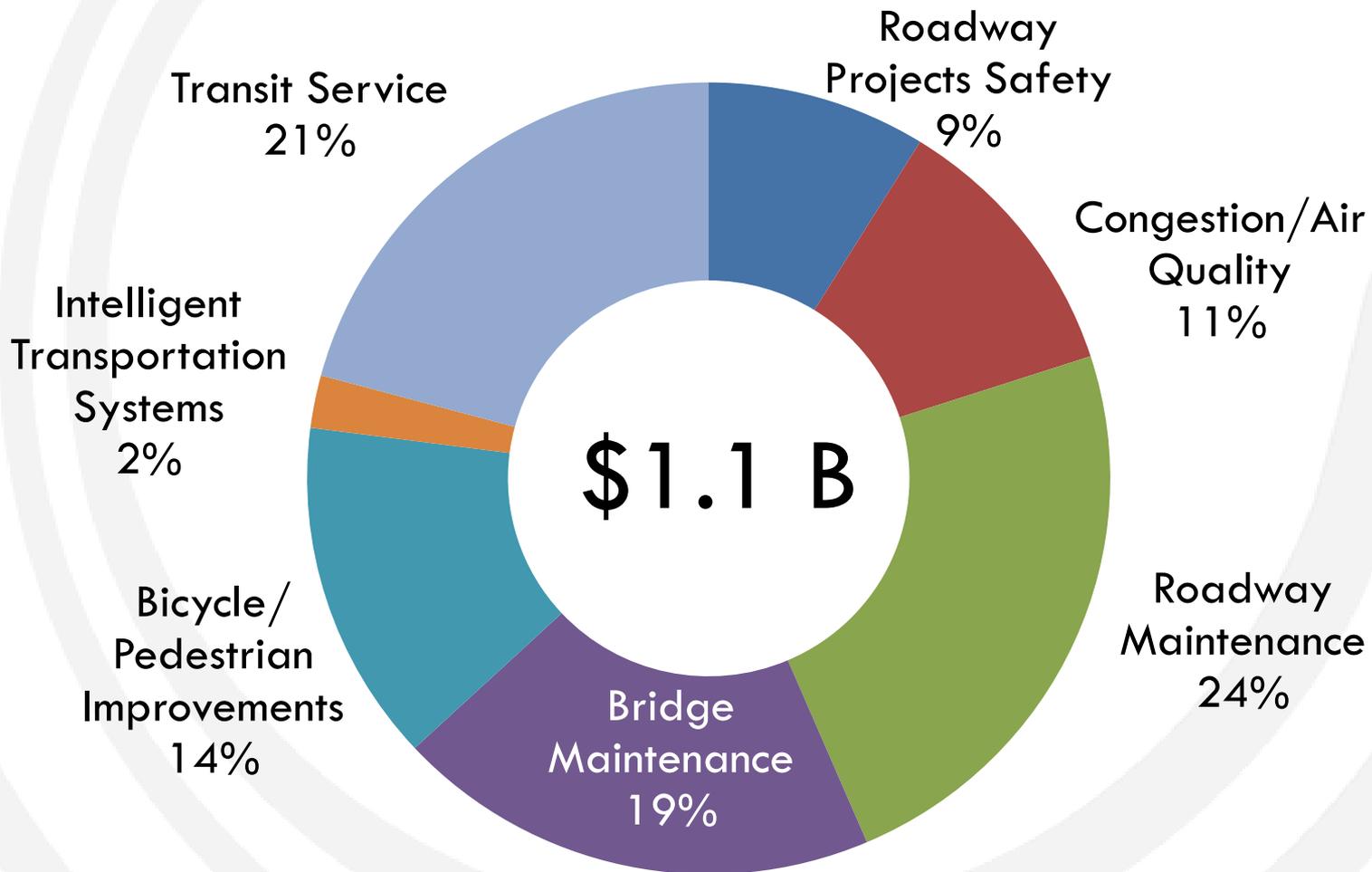
## + Buzzards Bay Commuter Rail Infrastructure

## + Various TIP projects

# HIGHWAY REGIONAL DISCRETIONARY FUNDING ALLOCATION

Years of Funding	Project / Program	2016 Total Estimated Cost	Total Year Of Expenditure (YOE) Estimated Cost
2016-2020	Barnstable: Hyannis Access Improvements Phase I (Route 28 at Yarmouth Road)	\$6,154,421	\$6,656,622
	Route 28 Multimodal Improvements: Various Locations	\$20,000,000	\$21,632,000
	Other TIP Projects		\$18,840,475
	<b>Subtotal Funding</b>		<b>\$47,129,097</b>
2021-2025	Route 6 Outer Cape Safety Improvements	\$5,000,000	\$6,579,659
	Canal Area: Belmont Circle/ Route 25 Ramp Improvements	\$5,000,000	\$6,579,659
	Barnstable: Hyannis Access Improvements Phase II (Yarmouth Road)	\$12,000,000	\$15,791,181
	Other TIP Projects		\$20,656,494
	<b>Subtotal Funding</b>		<b>\$49,606,993</b>
2026-2030	Canal Area: Route 6 Exit 1C Reconfiguration	\$10,000,000	\$13,159,318
	Cape Cod Rail Trail Expansion: S. Wellfleet to Provincetown	\$20,000,000	\$32,020,644
	Other TIP Projects		\$16,809,139
	<b>Subtotal Funding</b>		<b>\$61,989,101</b>
2031-2035	Barnstable: Hyannis Access Improvements Phase III (Route 28 & Airport Rotary)	\$25,000,000	\$48,697,512
	Infrastructure Improvements (Platform, Parking, etc.) for Buzzards Bay Commuter Rail Service	\$5,000,000	\$9,739,502
	Other TIP Projects		\$11,754,870
	<b>Subtotal Funding</b>		<b>\$70,191,885</b>
2036-2040	Cape Cod Rail Trail Expansion: Barnstable to Bourne	\$15,000,000	\$36,970,733
	Shining Sea Bikepath Extension to Cape Cod Canal Bikepath	\$8,000,000	\$19,717,724
	Other TIP Projects		\$18,928,138
	<b>Subtotal Funding</b>		<b>\$75,616,595</b>
<b>2016 - 2040 Total</b>			<b>\$304,533,671</b>

# APPROXIMATE DISTRIBUTION OF RTP FUNDS



# NEXT STEPS

- + Draft RTP Email to MPO: **June 1<sup>st</sup>**
- + Release of Draft RTP: **June 15<sup>th</sup> MPO Meeting**
- + 30-Day Public Comment Period: **June 15<sup>th</sup> – July 15<sup>th</sup>**
- + Anticipated Endorsement of RTP: **July 20<sup>th</sup> MPO Meeting**



# QUESTIONS AND COMMENTS

MAY 18, 2015

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CAPE COD  
COMMISSION



Updated information available at:

[www.capecodcommission.org/rtp](http://www.capecodcommission.org/rtp)