

2016 Cape Cod Regional Transportation Plan Development

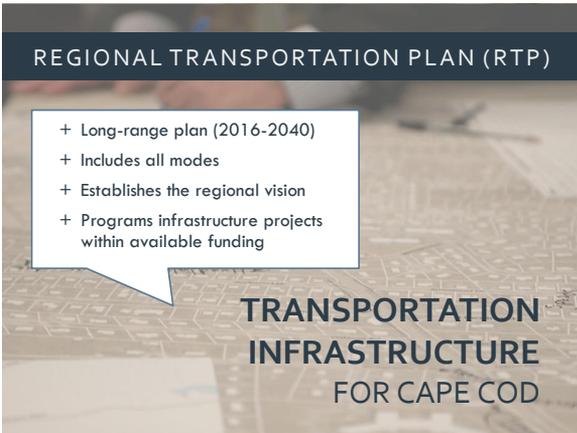
26 JANUARY 2015
CAPE COD METROPOLITAN
PLANNING ORGANIZATION



REGIONAL TRANSPORTATION PLAN (RTP)

- + Long-range plan (2016-2040)
- + Includes all modes
- + Establishes the regional vision
- + Programs infrastructure projects within available funding

TRANSPORTATION INFRASTRUCTURE FOR CAPE COD



RTP DEVELOPMENT: PRESENTATION OUTLINE

- + Background
- + Process
- + Schedule
- + Document Outline
- + Vision Statement
- + Goals, Objectives, & Performance Measures
- + Next Steps





BACKGROUND: FEDERAL FOCUS AREAS

- + Performance Measures
- + Access to essential services
- + Regional Cooperation
- + Scenario Planning
- + Livability and Climate Change
- + Title VI & Public Participation



BACKGROUND: RPP CONNECTION

The Regional Policy Plan (RPP):

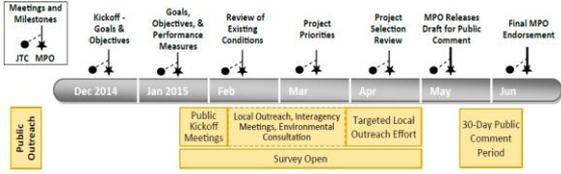
- + "Establishes a coherent set of goals, policies, and standards to guide planning and development on Cape Cod in a way that will protect its resources."
- + Defines "a strategy that will maintain and improve a transportation system . . . that is safe, convenient, accessible, cost effective, and consistent with the Cape's historic, scenic, and natural resources."
- + Vision for Cape Cod is reflected in the RTP so that instruments of change in both documents set a course to the transportation system envisioned in the documents



RTP UPDATE PROCESS: KEY POINTS

- + Endorsed required by the MPO
- + Developed by MPO staff in consultation with the MPO and JTC
- + Extensive stakeholder and public input sought throughout the process

RTP UPDATE SCHEDULE: OVERVIEW

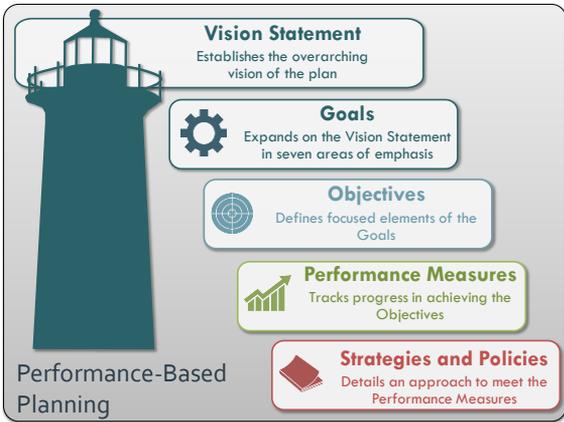


RTP UPDATE SCHEDULE: MILESTONES

Milestone	Completion Date
RTP Outline	December 2014
Draft Goals and Objectives	December 2014
Public Outreach	January-April 2015
Draft Performance Measures	January 2015
Draft Chapters 1- 4 & Technical Appendices	March 2015
Draft Chapters 5 & 6	April 2015
Draft RTP	May 2015
30 Day Public Comment	May/June 2015
RTP Endorsement	June 2015

RTP DOCUMENT OUTLINE

Executive Summary	Technical Appendices:
Chapter 1: Introduction and Plan Development	A. Historical Context
Chapter 2: Goals and Objectives	B. Existing Conditions
Chapter 3: Cape Cod and Transportation – Past, Present, and Future	C. Safety
Chapter 4: Scenario Planning, Livability, and Climate Change	D. Security
Chapter 5: Performance Based Planning/ Project Analysis	E. Freight
Chapter 6: Financial Plan	F. Bicycle & Pedestrian Issues
	G. Congestion Management
	H. Stormwater Management
	I. Pavement Management
	J. Access to Essential Services and Regional Cooperation
	K. Title VI
	L. Transportation Project Analysis
	M. Air Quality Conformity
	N. Public Comments on Draft RTP



DRAFT VISION STATEMENT

The Cape Cod Metropolitan Planning Organization envisions a transportation system that supports the environmental and economic vitality of the region through infrastructure investment that focuses on livability, sustainability, equity, and preservation of the character that makes our special place special.

DRAFT GOALS

- ⚙️ Safety
- ⚙️ Environmental and Economic Vitality
- ⚙️ Livability and Sustainability
- ⚙️ Multimodal Options/Healthy Transportation
- ⚙️ Congestion Reduction
- ⚙️ System Preservation
- ⚙️ Freight Mobility

SAFETY



Goal 1: Provide safe travel options for all users

- Reduce the number and severity of crashes associated with all modes of transportation
- Reduce serious injuries and fatalities associated with all modes of transportation



Reduce crashes, injury crashes, fatal crashes, and crashes involving bicycles and pedestrians by **10% in 10 years**



Environmental and Economic Vitality



Goal 2: Maintain, protect, and enhance the natural environment while strengthening the economy

- Minimize negative impacts of the transportation system on the natural environment
- Reduce Greenhouse Gas (GHGs) generated by all transportation modes



50% of TIP projects reduce GHG's and provide overall benefits to the natural system



Environmental and Economic Vitality



Goal 2: Maintain, protect, and enhance the natural environment while strengthening the economy

- Improve stormwater management and treatment in all transportation improvement projects



50% of TIP projects outside of sensitive embayments and **100% of TIP projects** within sensitive embayments provide improved stormwater management and treatment

- Improve connections between housing, job, cultural centers, and essential services within and beyond the region



Improve signal operations along key corridors. **2 every 5 years.**
Close gaps in the bicycle/pedestrian network. **2 every 5 years.**



Livability and Sustainability

Goal 3: Support livable communities and village centers that strengthen the long-term sustainability of the region

- Support mixed-use development in compact village centers



25% of TIP projects improve access to or with village centers

- Improve coastal resiliency of the transportation system



All TIP projects consider potential impacts of sea level rise during the 25% design review



Livability and Sustainability

Goal 3: Support livable communities and village centers that strengthen the long-term sustainability of the region

- Develop a transportation system that is consistent with the local character of Cape Cod and respects the region's reliance on tourism



All TIP projects provide meaningful opportunities for local input including public meeting prior to development of design plans and throughout the design process



Multimodal Options/Healthy Transportation

Goal 4: Provide a variety of healthy transportation options to all users

- Improve accessibility of all modes to all users



Improve ADA compliant intersections by 10% in 10 years

- Expand and close gaps in the bicycle and ADA-accessible sidewalk network



Close gaps in the bicycle/pedestrian network. 2 every 5 years.



Multimodal Options/Healthy Transportation

Goal 4: Provide a variety of healthy transportation options to all users

- Improve coordination between all mode



Five Multimodal Group meetings per year

- Increase the share of travel by means other than the single occupancy vehicle



Triple the share of travel by bicycling, walking, and transit by 2030



Congestion Reduction

Goal 5: Reduce congestion and improve travel time reliability

- Reduce delay for all modes



Reduction in congestion index for Route 6. 10% in 10 years

- Improve connectivity and reliability for all modes of transportation



Improve ADA-compliant sidewalk access to bus stops by 10% in 10 years. Improve operations at bottleneck locations. 2 every 5 years



Congestion Reduction

Goal 5: Reduce congestion and improve travel time reliability

- Minimize the impacts of construction delays on all users, particularly impacts of Cape Cod Canal Bridge maintenance



Implementation of advanced construction techniques for Cape Cod Canal Bridge maintenance projects to reduce construction impacts by 25% compared to standard construction practices



System Preservation

Goal 6: Preserve, maintain, and modernize the existing transportation system

- Improve the condition of all bridges
 - Reduce the number of "Structurally Deficient" and "Functionally Obsolete" bridges by 10% in 10 years
- Improve the pavement condition on all federal-aid eligible roadways
 - Improve the regional pavement condition index by 10% in 10 years
- Maintain and improve on and off road bicycle and pedestrian facilities
 - Reduce the miles of multi-use paths and sidewalks in poor or very poor condition by 10% in 10 years



System Preservation

Goal 6: Preserve, maintain, and modernize the existing transportation system

- Use modern technology to improve transportation efficiency
 - Bring online 10 new permanent counting station in 10 years
- Improve coordination and cooperation between agencies throughout all phases of project development and implementation for all improvement and maintenance project
 - Adoption of an MOU between the MPO and MassDOT outlining how TIP and non-TIP work in the region (including maintenance projects) will be communicated to the MPO and how local input will be addressed by MassDOT



Freight Mobility

Goal 7: Improve efficiency and reliability of freight movement

- Reduce delays on the freight network
- Improve travel time reliability on the freight network
 - Reduce the congestion index for Route 6 by 10% in 10 years
- Minimize Cape Cod Canal bridge maintenance impacts
 - Implementation of advanced construction techniques for Cape Cod Canal Bridge maintenance projects to reduce construction impacts by 25% compared to standard construction practices



DRAFT GOAL, OBJECTIVES, & PERFORMANCE MEASURES
FEEDBACK

- + Goals, Objectives, and Performance Measures will continue to be refined
- + Input throughout the process is valuable



NEXT STEPS



THANK YOU

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Project information available at:
www.capecodcommission.org/rtpupdate
