



# CHAPTER 4

## Federal Fiscal Years 2014–2016 Completed Studies

### 4.1 TRACKING STUDY PROGRESS

In order to accurately plan each Unified Planning Work Program (UPWP), the Boston Region Metropolitan Planning Organization (MPO) must gain an understanding of the status of the previous year's studies and work activities. For example, some studies that began in one federal fiscal year (FFY) may carry

over into the following FFY. The budgetary and staff requirements for these "carry-over" studies are factored into decision-making about the type and number of new studies that MPO staff can undertake in the upcoming FFY.

Similarly, the budgetary and staffing needs of ongoing programs, both those required to maintain certification as an MPO and support MPO functioning (such as the Congestion Management Process and Regional Model Enhancement), as well as the ongoing programs in which MPO staff conduct technical transportation planning work for communities (such as Bicycle and Pedestrian Support Activities), can fluctuate from one FFY to another. These changes are based, in part, on varying work levels for certification requirements (e.g., the Long-Range Transportation Plan [LRTP] is developed over the course of four years) as well as varying demands for work and assistance under the MPO's ongoing technical programs.

In general, the MPO tracks three categories of study progress throughout the UPWP. These include:

- **Completed:** These studies are either already complete or expected to be completed by October 1, 2016, when the FFY 2017 UPWP document goes into effect. These studies, their funding sources and amounts, and their work products or activities are summarized in Table 4-1 (MPO-funded studies).
- **Ongoing:** These programs support the transportation-planning process from year to year, and often serve to provide technical assistance to communities or transportation agencies throughout the region. These programs include certification requirements (Chapter 5), transportation technical analyses

(Chapter 6), agency-funded ongoing contracts (Chapter 7), and Administration, Resource Management, and Support Activities (Chapter 8). Tables summarizing the funding and progress for these ongoing programs are included at the beginning of each chapter.

- **Continuing or Carry Over:** These studies were originally funded in FFY 2016 or earlier and are continuing into FFY 2017. However, unlike ongoing activities that take place each FFY, these projects have a specific, limited duration. These include defined-duration MPO-funded studies as well as defined-duration agency-funded studies. These studies were either originally planned with a schedule extending beyond one FFY or are continuing due to unforeseen delays. Tables summarizing these studies are included at the beginning of Chapters 6 and 7.

This chapter summarizes completed studies; the other study categories, as described above, are presented in their corresponding chapters.

## 4.2 PROJECT BUDGET TABLES AND WORK PRODUCTS

Table 4-1 summarizes the budgets, work products, and activities for studies that were funded in FFYs 2014 through 2016 and are expected to be complete by the end of FFY 2016. Each table includes the project name, the MPO project identification number, the funding amount from each of the federal formula grants (Federal Highway Administration continuing, cooperative, and comprehensive [3C] Planning [PL] funds and Federal Transit Administration/Massachusetts Department of Transportation 3C Planning [§ 5303] funds), total funding, and work products, including reports, technical memoranda, and other accomplishments during the study period.

Please note that some titles of these products and activities may change as they are finalized. All certification documents and many other work products are, or will be, available for download from the MPO website ([www.bostonmpo.org](http://www.bostonmpo.org)). Work products not found on the MPO website may be requested by contacting the Central Transportation Planning Staff (CTPS) at 857-702-3700 (voice), 617-570-9193 (TTY), or [ctps@ctps.org](mailto:ctps@ctps.org) (email). Metropolitan Area Planning Council (MAPC) work products can be found at [www.mapc.org](http://www.mapc.org).

**Table 4-1**  
**FFY 2014 to FFY 2016 Completed MPO-Funded**  
**Transportation Planning Studies**

Name	ID	FHWA PL Funds	FTA Section 5303 Funds	Total Budget	Work Products
<b>FFY 2016 Studies</b>					
Modeling Transit Capacity Constraints	11405	\$-	\$44,000	<b>\$44,000</b>	Report: Modeling Transit Capacity Constraints
Identifying Opportunities to Alleviate Bus Delay	11400	\$-	\$65,000	<b>\$65,000</b>	Report: Identifying Opportunities to Alleviate Bus Delay
First-Mile-and-Last-Mile Transit Connection Studies	11399	\$-	\$55,000	<b>\$55,000</b>	Various technical memoranda for selected project locations
Research Topics Generated by MPO Staff: FFY 2016	20900	\$21,000	\$9,000	<b>\$30,000</b>	Transit dependence scoring system and a technical memorandum: Use of Driver's License Data to Measure Transit Dependence
<b>FFY 2015 Studies</b>					
Title VI Service Equity Analyses: Methodology Topics	11396	\$-	\$55,000	<b>\$55,000</b>	Report: Title VI Service Equity Analysis: Methodology Development
Addressing Priority Corridors from the LRTP Needs Assessment: FFY 2015	13267	\$77,000	\$33,000	<b>\$110,000</b>	Report: Route 1A/Lynnway/Carroll Parkway Study in Lynn
Fairmount Line Station Access Analysis	11249	\$36,575	\$15,675	<b>\$52,250</b>	Report: Fairmount Line Station Access Analysis
Bicycle Network Gaps: Feasibility Evaluations	11250	\$55,000	\$-	<b>\$55,000</b>	Technical Memoranda evaluating: <ul style="list-style-type: none"> <li>• Mass Central Rail Trail in Waltham, Weston, and Belmont</li> <li>• Sudbury Aqueduct Trail in Framingham</li> <li>• Central Square in Cambridge</li> </ul>

(Table 4-1 cont.)

Name	ID	FHWA PL Funds	FTA Section 5303 Funds	Total Budget	Work Products
Household Survey Travel Profiles and Trends: Selected Policy Topics	11152	\$48,000	\$27,000	<b>\$75,000</b>	Exploring the 2011 Massachusetts Travel Survey: MPO Travel Profiles
Barriers and Opportunities Influencing Mode Shift	11148	\$47,641	\$20,417	<b>\$68,058</b>	Report: Exploring the 2011 Massachusetts Travel Survey: Barriers and Opportunities Influencing Mode Shift
Core Capacity Constraints	23326	\$50,000	\$70,000	<b>\$120,000</b>	Report containing summaries of stakeholder interviews and mitigation strategies, transit and roadway crowding analyses for current and future year scenarios, identification of large development projects to be included in the future year build scenario, and development of new crowding analysis methodology
<b>FFY 2014 Studies</b>					
Environmental Justice and Title VI Analysis Methodology Review	11389	\$36,000	\$24,260	<b>\$60,260</b>	Report: Environmental Justice and Title VI Analysis Methodology Review  The purpose of this study which was approved in the 2014 UPWP was to produce recommendations to integrate, improve, and standardize the approaches taken to the separate and distinct Title VI and EJ analyses performed by MPO staff.
Transportation Investments for Economic Development	11149	\$39,900	\$10,100	<b>\$50,000</b>	Technical Memorandum: MPO Assessment of Economic Impact of Transportation Investments and Use of TREDIS Model
<b>TOTAL</b>		<b>\$411,116</b>	<b>\$428,452</b>	<b>\$839,568</b>	

Note: All budgets include both the federal portion and the MassDOT local match.

FFY = federal fiscal year. FHWA = Federal Highway Administration. FTA = Federal Transit Administration.

L RTP = Long-Range Transportation Plan. MPO = Metropolitan Planning Organization.

PL = Federal Highway Administration transportation planning funds.

TREDIS = Transportation Economic Development Impact System