

**UPWP Committee Recommendation:
FFY 2016 Unified Planning Work Program (UPWP) New Discrete Projects (April 30, 2015)**

UPWP Committee-Recommended Projects

Proposed Project Information							LRTP Vision Topics ^a							Functions ^a			UPWP Focus Areas ^a													
ID	Name	Proposed Project Group	Estimated Total Cost	Estimated Share of FHWA PL Funds	Estimated FHWA PL Funds	Estimated FTA 5303 Funds	Climate Change	Environment	Livability	Mobility	Regional Equity	Safety and Security	System Preservation, Modernization, and Efficiency	Serves Regional Transportation Stakeholders	Supports MPO Planning	Contributes to Transportation Knowledge Base	Supports Performance-Based Planning	Links Land Use and Transportation	Helps Maximize Limited Financial Resources	Protects Air Quality and the Environment	Preserves and Maintains the Transportation System	Increases Transit and Active Transportation Modes	Advances Mobility and Access, and Reduces Congestion	Encourages Sustainable, Livable, and Healthy Communities	Increases Transportation Safety and Security	Supports Economic Vitality	Supports Transportation Equity and Accessibility	Supports MetroFuture Implementation	Supports Statewide and Regional Transportation Initiatives	Enhances Technical Knowledge, Capacity, and Insights
A-1	Addressing Safety, Mobility, and Access on Subregional Priority Roadways: FFY 2016	Roadway Network Performance	\$110,000	0.7	\$77,000	\$33,000		X	X	X		X	X	X				S	S	S	P	S	P	S	P	S		P	P	
A-2	Priority Corridors for LRTP Needs Assessment: FFY 2016	Roadway Network Performance	\$110,000	0.7	\$77,000	\$33,000		X	X	X		X	X	X	X				S	S	P	S	P		P	S		P	P	
A-3	Safety and Operations at Selected Intersections: FFY 2016	Roadway Network Performance	\$65,000	0.7	\$45,500	\$19,500		X	X			X	X	X					S	S	S	S	P		P			S	P	
B-2	Pedestrian Level-of-Service Metric Development	Active Transportation	\$30,000	1	\$30,000	\$0			X	X		X			X	X			S			P	P	S	S		S	P	P	P
D-1	Systemwide Title VI/Environmental Justice Assessment of TIP Projects	Transporation Equity and Accessibility	\$75,000	0.7	\$52,500	\$22,500					X				X	X											P		P	P
E-1	MBTA Parking Lots: Price Sensitivity Analysis	Land Use, Environment, and Economy	\$30,000	0.5	\$15,000	\$15,000			X	X					X	X		S	P			S	P					P	P	P
F-1	First-Mile-and-Last-Mile Transit Connections Studies	Transit	\$55,000	0	\$0	\$55,000			X	X					X			P				P	P		S		P	P		
F-5	Identifying Opportunities to Alleviate Bus Delay	Transit	\$65,000	0	\$0	\$65,000		X		X			X		X	X			P	P		P	P	S				P	P	P
G-1	Research Topics Generated by MPO Staff	Other Technical Support	\$30,000	0.7	\$21,000	\$9,000									X	X														P
Funding for New Discrete Projects ^b :			\$570,000		\$318,000	\$252,000																								
Staff Recommended Proposed Project Total:			\$570,000		\$318,000	\$252,000																								
Balance of Funds ^b :			\$0		\$0	\$0																								

This recommendation reflects consideration of factors including current MPO visions and policies (as documented in *Paths to a Sustainable Region*, the MPO's long-range transportation plan); anticipated MPO goals and objectives, to be documented in *Charting Progress to 2040*, the MPO's next long-range transportation plan; federal guidance; national goals and planning factors; contributions to a balanced mix of modes in the region; geographic equity; UPWP Committee member priorities; and other regional priorities.

^a Project ratings pertaining to the LRTP Vision Topics, Functions, and UPWP Focus areas are current as of April 30, 2015. Highlights reflect updates made between March 19, 2015 and April 30, 2015.

^b These funding levels are based on the estimated FFY 2016 FHWA PL and the FFY 2015 FTA Section 5303 allocations for CTPS and on estimated costs for ongoing and continuing work included in CTPS's draft FFY 2016 UPWP budget. FFY 2016 FHWA PL funds have been reduced by approximately \$10,880 per MassDOT guidance. Since the April 16, 2015 UPWP Committee meeting, MPO staff have also added \$19,340 (which was previously shown as unallocated funding in the "Balance of Funds" row) to the Data Resources Management program, which is one of the ongoing and continuing UPWP projects and programs. MPO staff are awaiting FTA Section 5303 allocation amounts for FFY 2016.

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Projects Not Included in UPWP Committee-Recommended Projects List

Proposed Project Information							LRTP Vision Topics ^a						Functions ^a			UPWP Focus Areas ^a															
ID	Name	Proposed Project Group	Estimated Total Cost	Estimated Share of FHWA PL Funds	Estimated FHWA PL Funds	Estimated FTA 5303 Funds	Climate Change	Environment	Livability	Mobility	Regional Equity	Safety and Security	System Preservation, Modernization, and Efficiency	Serves Regional Transportation Stakeholders	Supports MPO Planning	Contributes to Transportation Knowledge Base	Supports Performance-based Planning	Links Land Use and Transportation	Helps Maximize Limited Financial Resources	Protects Air Quality and the Environment	Preserve and Maintain the Transportation System	Increases Transit and Active Transportation Modes	Advances Mobility and Access, and Reduce Congestion	Encourages Sustainable, Livable, and Healthy Communities	Increases Transportation Safety and Security	Supports Economic Vitality	Supports Transportation Equity and Accessibility	Supports MetroFuture Implementation	Supports Statewide and Regional Transportation Initiatives	Enhance Technical Knowledge, Capacity, and Insights	
A-4	Low-Cost Improvements to Express-Highway Bottleneck Locations	Roadway Network Performance	\$40,000	1	\$40,000	\$0		X		X			X	X						P	S	S		P		S	P		S	P	
A-5	Safety Improvements at Express-Highway Interchanges	Roadway Network Performance	\$55,000	1	\$55,000	\$0				X		X	X	X	X				S		S		S		P				P		
A-6	Analyzing the Impacts of Expanded All-Electronic Tolling	Roadway Network Performance	\$70,000	0.7	\$49,000	\$21,000		X		X			X		X	X			P		P	S	S					P	S	P	
A-7	Planning for Connected and Autonomous Vehicles	Roadway Network Performance	\$25,000	1	\$25,000	\$0				X		X	X		X	X							P		S					P	
B-1	Bicycle Network Gaps: Feasibility Evaluations: FFY 2016	Active Transportation	\$55,000	1	\$55,000	\$0			X	X		X		X	X				S	S	S		P	P	S	S		P	P		
B-3	Municipal Pedestrian Network Studies	Active Transportation	\$40,000	1	\$40,000	\$0			X	X		X	X	X					S		S	P	P	P	P		S	P	P		
C-1	MPO Climate Change Vulnerability Assessment and Adaptation Planning	Safety and Security	\$45,000	0.7	\$31,500	\$13,500	X			X		X	X		X				S	S		P		S		P		P	P	P	
C-2	Improvements to MPO All-Signals Database	Safety and Security	\$30,000	1	\$30,000	\$0		X		X		X	X	X	X						S	P		P				P	P	P	
D-2	Community and Human-Services Transportation Support	Transportation Equity and Accessibility	\$45,000	0	\$0	\$45,000			X	X	X			X		X											P	P	P	P	
D-3	Emergency Transportation Planning for Vulnerable Populations	Transportation Equity and Accessibility	\$40,000	0.3	\$12,000	\$28,000				X		X		X		X											P	P	P	P	
D-4	Temporal Changes in Demographic Data: Effects on Title VI Analyses	Transportation Equity and Accessibility	\$65,000	0.7	\$45,500	\$19,500						X			X	X											P		P	P	
E-2	Analyzing the Transportation Impacts of Travel to and from Medical Facilities	Land Use, Environment, and Economy	\$85,000	0.7	\$59,500	\$25,500				X					X	X								P				P	S	P	
E-3	Analyzing the Transportation Impacts of Travel Generated by Universities	Land Use, Environment, and Economy	\$85,000	0.7	\$59,500	\$25,500				X					X	X								P				P	S	P	
E-4	Methodologies and Tools for Understanding the Relationship of Transportation to Gentrification and Displacement	Land Use, Environment, and Economy	\$85,000	0.5	\$42,500	\$42,500			X		X				X	X								S		S	P	S	P	P	
E-5	Analyzing the Impacts of Special Events on the Region's Transportation System	Land Use, Environment, and Economy	\$85,000	0.5	\$42,500	\$42,500				X					X	X												P	S	P	
E-6	Transportation Mitigation of Major Developments: Review of Existing Strategies	Land Use, Environment, and Economy	\$60,000	0.7	\$42,000	\$18,000			X	X			X		X	X					P			P		S		P	P	P	
E-7	Assessment of Past Transportation Investments for Economic Development in the Boston Region	Land Use, Environment, and Economy	\$55,000	0.7	\$38,500	\$16,500			X						X	X				S	S					P		S	S	P	
E-8	Energy and Electric Vehicle Use in the MPO Region	Land Use, Environment, and Economy	\$35,000	0.7	\$24,500	\$10,500		X					X		X	X					P							S	P	P	
E-9	Regional Air Quality Profiles	Land Use, Environment, and Economy	\$55,000	1	\$55,000	\$0	X				X				X	X					P			S			P		P	P	

(cont.)

**UPWP Committee Recommendation:
FFY 2016 Unified Planning Work Program (UPWP) New Discrete Projects (April 30, 2015)**

Projects Not Included in UPWP Committee-Recommended Projects List, continued

Proposed Project Information							L RTP Vision Topics ^a							Functions ^a			UPWP Focus Areas ^a													
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E-10	Tools and Methodologies for Understanding Transportation and Urban Sprawl	Land Use, Environment, and Economy	\$75,000	0.7	\$52,500	\$22,500		X	X						X	X		S	P		P							P	S	P
E-11	Alewife Transportation Community Study	Land Use, Environment, and Economy	\$75,000	0.7	\$52,500	\$22,500		X		X		X	X	X					S		S		P	P	S	S		P	P	
F-2	Non-Fixed-Route Transportation Services: Opportunities for Transit Agencies	Transit	\$90,000	0	\$0	\$90,000				X	X				X	X						P	P			S	P	P	P	P
F-3	Opportunities for New Community Transit Services	Transit	\$50,000	0	\$0	\$50,000				X					X	X			S	S		P	P			S	S	P	P	
F-4	Potential Uses for Unused and Underused Rights-of-Way	Transit	\$55,000	0	\$0	\$55,000				X			X		X	X			P		P	P						P	S	
F-6	Feasibility of Coordinating Ferry Services for Inner Core Communities	Transit	\$45,000	0	\$0	\$45,000				X			X		X						S							S	S	
F-7	Transit Options to Reduce Congestion on Tolloed Facilities ^b	Transit	\$75,000 or greater	0.5	\$37,500 or greater	\$37,500 or greater		X		X					X	X			S	S		P	P					P	P	S
G-2	Future of Transportation Data Collection	Other Technical Support	\$55,000	0.5	\$27,500	\$27,500								X	X	X		S	P										S	P
Other Proposed Project Total ^c :			\$1,575,000		\$917,000	\$658,000																								

^a Project ratings pertaining to the L RTP Vision Topics, Functions, and UPWP Focus areas are current as of April 30, 2015.

^b This project was added to the draft FFY 2016 UPWP Universe of Proposed New Projects on April 30, 2015, after staff evaluated and developed refined costs for Universe projects. An estimated cost range has been provided for this project.

^c This total amount assumes an estimated cost of \$75,000 for project F-7.

FFY = Federal Fiscal Year. L RTP = Long Range Transportation Plan. MBTA = Massachusetts Bay Transportation Authority. MPO = Metropolitan Planning Organization. TIP = Transportation Improvement Program.