# Assumptions Used for Determining the Boston Region MPO's Share of the Statewide Allocations

Regional Major Infrastructure No funds available in Boston Region until 2014

Projects: after which the MPO's percentage used for determining targets was applied (42.9671%)

Statewide Resurfacing: Apply the percentage number of lane miles in the

Boston MPO as compared to total state (31.6%)

Statewide Infrastructure Program: Apply the percentage number of lane miles in the

Boston MPO as compared to total state (31.6%)

Statewide Bridge Program: Apply the percentage number of bridges in Boston

MPO as compared to total state (29.4%)

Accelerated Bridge Program: Total cost of bridges included in this program that

are located in the Boston MPO

Statewide Maintenance Program: Apply the percentage number of lane miles in the

Boston MPO as compared to total state (31.6%)

ARRA Projects: To Be Determined

Special Bridge Projects: To Be Determined

Project Operations: Not Applicable

Federal Aid Administrative

Takedowns: Not applicable

Ongoing No-Build Project	Updated Current 2009 Cost*	2010	2011–2020	2021–2030	MPO Funding	Earmark**	Design Status	Status
Route 128 Additional Lanes (Randolph to Wellesley)	\$251,500,000	✓	✓		\$251,500,000	\$0	Ongoing	This cost is lower since money has been spent down since adoption of Plan in 2007.
Recommended Projects								
Middlesex Turnpike Improvements Phase 3 (Bedford, Burlington, and Billerica)	\$19,200,000	✓			\$19,200,000	\$0	75%	Phase 2 of 3 in the 2009 element of TIP for \$13.8M. This is Phase 3. In MHD Environmental as project in permitting 25-100% design
Route 128 Capacity Improvements (Beverly to Peabody)	\$156,832,000			✓	\$156,832,000	\$0		From Lisco Memo - Potential Long-Range Plans for Improving Express Highways
East Boston Haul Road/Chelsea Truck Route (Boston)	\$18,000,000	✓	✓		\$12,375,787	\$5,624,213	ENF	Massport - In planning looking for programming in outer TIP year, Massport will file ENF in fall 2009
Route 1A/Boardman Street Grade Separation (Boston)	\$10,816,000		✓		\$10,816,000	\$0		Route 1A Corridor Study, project is inactive in MHD Environmental Services Division, if reactivated a new feasibility study would be needed.
Rutherford Avenue/Sullivan Square (Boston)	\$85,507,000	✓	✓		\$70,129,290	\$15,377,710		Recommendation from Rutherford Ave Study (1999), community process underway with completion in 2009 (4 earmarks)
Consolidated Rental Car Facility (Logan Airport, Boston)[1]	\$453,000,000	✓	✓		\$0	\$453,000,000		Needs to be listed in Plan for Massport, no MPO money
I-93/Route 3 Interchange - Braintree Split (Braintree)	\$36,017,000		✓		\$36,017,000	\$0		Braintree Split study with recommendations (2005)
I-93/I-95 Interchange (Canton)	\$225,000,000		✓		\$225,000,000	\$0	EA/EIR	Project in MHD Environmental Services Division as project in progress, probably ready for 2012.
I-95 Northbound/Dedham Street Ramp and Bridge (Canton)[2]	\$3,786,000	✓			\$0	\$3,786,000		Project to be paid for by developer
Concord Rotary/Route 2 (Concord)	\$43,264,000			✓	\$43,264,000	\$0	25%	Project in MHD Environmental Services Division as project in progress, preparing 25% plans, supported by Concord and Acton. Draft EA/EIR in late summer 2009.
Route 2/Crosby's Corner Grade Separation (Concord and Lincoln)	\$72,000,000	✓	✓		\$72,000,000	\$0	75%	Programmed in past TIPs, 100% design by August 2009. In MHD Environmental as project in permitting 25-100% design.
Route 1/Route 114 Corridor Improvements (Danvers and Peabody)	\$50,619,000			✓	\$50,619,000	\$0		Project inactive in Environmental Section of MassHighway. Some elements of project built as mitigation by developer, however ramp has not been improved.
Telecom City Boulevard (Everett, Malden, and Medford)	\$16,440,000		✓		\$16,440,000	\$0		Economic Development Plan, new bridge, now called River's Edge
Revere Beach Parkway (Everett, Medford, and Revere)	\$101,238,000			✓	\$101,238,000	\$0		Signal coordination in Lower North Shore Improvement Study (Everett requested widening)
Route 126/Route 135 Grade Separation (Framingham)	\$54,080,000			✓	\$54,080,000	\$0		Framingham and MassHighway project
Route 85 Improvements (Hudson)	\$8,400,000		✓		\$8,400,000	\$0	25%	Part of the I-495/1290 Interchange. Separated on request from Hudson.
Route 1 Improvements (Malden and Revere)	\$70,304,000			✓	\$70,304,000	\$0	PRC App.	Lower North Shore Improvement Study, in MHD Environmental Services as project in progress with FEIR anticipated by end of 2009 and 25% design mid 2010.
I-495/I-290/Route 85 Connector Interchange (Marlborough and Hudson)	\$29,852,000		✓		\$29,852,000	\$0	ENF	Project in MHD Environmental Services Division as project in progress. Certificate on ENF issued, no is EIR required.
Needham Street/Winchester Street (Newton and Needham) [3]	\$6,000,000		✓		\$6,000,000	\$0	25%	Needham, Newton, MassHighway project
Highland Avenue (Needham) [3]	\$2,100,000		✓		\$2,100,000	\$0	25%	Needham, Newton, MassHighway project
Quincy Center Concourse, Phase 2 (Quincy)	\$7,511,068		✓		\$0	\$7,511,068	100%	Quincy - 100% design plans received by MassHighway
I-93/I-95 Interchange (Reading and Woburn)	\$194,792,000		✓		\$194,792,000	\$0	PRC App.	Project in MHD Environmental Services Division as project in progress. I-93/I-95 Interchange Transportation Study, early action items being scoped
Mahoney Circle Grade Separation (Revere)	\$16,224,000			✓	\$16,224,000	\$0		MassHighway project, no PRC approval, project on hold in MHD Environmental Services Division.
Route 1/Route 16 Interchange (Revere)	\$4,975,000		✓		\$4,975,000	\$0		Lower North Shore Improvement Study
Route 1A/Route 16 Connection (Revere)	\$50,078,000			✓	\$50,078,000	\$0		Lower North Shore Improvement Study
Boston Street (Salem)	\$2,488,000		✓		\$2,488,000	\$0	PRC App.	MassHighway in preliminary design phase
Bridge Street (Salem)	\$10,000,000		✓		\$10,000,000	\$0	25%	MassHighway project. In MHD Environmental as project in permitting 25-100% design.
I-93/Mystic Avenue Interchange (Somerville)	\$63,274,000			✓	\$63,274,000	\$0		Mystic Avenue/Route 128/I-93 Interchange Improvement Study - 1994 earmark for study in the 2009 element of TIP
S. Weymouth Naval Air Station Access Improvements (Parkway construction)[4]	\$52,000,000		✓		\$0	\$52,000,000	FEIR	In MHD Environmental Services as project in progress, Naval Station Redevelopment, \$52 million for Parkway construction (to be funded with non-MPO revenues)
S. Weymouth Naval Air Station Access Improvements (Multi-modal Center)[4]	\$10,014,750		✓		\$0	\$10,014,750	FEIR	In MHD Environmental Services as project in progress, Naval Station Redevelopment \$10 million for Multi-Modal Center. Programmed in 2009 TIP.
Route 18 Capacity Improvements (Weymouth)	\$26,100,000	✓			\$11,517,961	\$14,582,039	Pre 25%	In MHD Environmental Services as project in progress. Was in 2010 element of TIP
Route 3 South Additional Lanes (Weymouth to Duxbury)	\$227,785,000			✓	\$227,785,000	\$0	PRC App.	In MHD Environmental Services as project in progress, DEIR/EA on hold awaiting traffic modeling
I-93/Route 129 Interchange Improvement Project (Wilmington and Reading)	\$18,928,000		✓		\$18,928,000	\$0		Phase from Woburn St to Rte 38 nearing completion - reconstruction with sidewalks, project dropped by MHD Environmental Services Division.
New Boston Street Bridge (Woburn)	\$4,500,000			✓	\$4,500,000	\$0	PRC App.	City of Woburn request, Woburn asked for this project for 2010 at Municipal TIP Day.
Total	\$2,402,624,818				\$1,840,729,038	\$561,895,780		

<sup>\*</sup> Cost in 2009 Dollars - the 4%/year cost increase is not included

[1] This project will be paid for by the Massachusetts Port Authority. Funding for this project will come from General Airport Revenue Bonds, taxable revenue bonds supported by revenue from the daily Customer Facility Charge and rent from car companies, and Transportation Infrastructure Finance and Innovation Act (TIFIA) funds

[3] The Needham Street/Highland Avenue project has been split in two because it is currently split by MassHighway. The Needham Street description has been changed to be a three lane cross-section rather than four-lane. It is currently a three lane cross-section so it is no longer an expansion.

The Highland Avenue project in Needham does not include an expansion. The roadway is currently a four lane section from south of the projects' at two lane bridge and should be widened to accommodate these projects. The bridge widening is not included in either of the projects' [4] Total project is \$62 million; the \$52 million for the construction of the Parkway will be funded with non-MPO revenues (state, local, etc.); \$10 million for the Multi-modal center programmed in 2009 TIP.

\$7,150,200					
\$3,400,000					
\$80,000,000					
\$28,000,000					
\$20,000,000					Ĺ
\$1,000,000					ĺ
	\$3,400,000 \$80,000,000 \$28,000,000 \$20,000,000	\$3,400,000 \$80,000,000 \$28,000,000 \$20,000,000	\$3,400,000 \$80,000,000 \$28,000,000 \$20,000,000	\$3,400,000 \$80,000,000 \$28,000,000 \$20,000,000	\$3,400,000 \$80,000,000 \$28,000,000 \$20,000,000

\$139,550,200

PRC App. In MHD Environmental Services as project in progress, draft EA/EIR expected to be filed in August 2009.

25%

**Total Additional Projects** 

<sup>\*\*</sup> Match to be determined

<sup>[2]</sup> This project will be paid for by the developer and is not included in the total.

## **Project Costs Through 2030**

	Project Location	Project Name	200	8 2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	•	Froject Name	200	2003	2010	2011	2012	2013	2014	2013	2010	2017	2016	2019	2020
1-4	Limited Access Segment Beverly to Peabody	Route 128 Capacity Improvements	X \$150,800,000	\$156,832,000	\$163,105,280	\$169,629,491	\$176,414,671	\$183,471,258	\$190,810,108	\$198,442,512	\$206,380,213	\$214,635,421	\$223,220,838	\$232,149,672	\$241,435,659
1-68	Weymouth to Duxbury	. , ,	X \$150,800,000 X \$219,024,000		\$236,896,358	\$246,372,213	\$256,227,101	\$266.476.185	\$277,135,233	\$288,220,642	\$206,380,213	\$311,739,446	\$324,209,024	\$337,177,385	\$350.664.481
	Malden and Revere		X \$67,600,000		\$73,116,160	\$76,040,806	\$79,082,439	\$82,245,736	\$85,535,566	\$88,956,988	\$92,515,268	\$96,215,879	\$100,064,514	\$104,067,094	\$108,229,778
1-30	Maidell and Nevere	Route i improvements	χ ψ07,000,000	Ψ10,304,000	Ψ73,110,100	Ψ10,040,000	Ψ13,002,433	ψ02,243,730	ψ03,333,300	ψ00,930,900	ψ92,313,200	ψ90,213,079	\$100,004,314	Ψ104,007,034	ψ100,229,110
-	Limited Access Intercha	ange.													
	Lillilled Access intercha	ange													
1-50	Reading and Woburn	I-93/I-95 Interchange	x \$187,300,000	\$194,792,000	\$202,583,680	\$210,687,027	\$219,114,508	\$227,879,089	\$236,994,252	\$246,474,022	\$256,332,983	\$266,586,302	\$277,249,755	\$288,339,745	\$299,873,335
1-14	Canton	I-93/I-95 Interchange	X	\$225,000,000	\$234,000,000	\$243,360,000	\$225,000,000	\$234,000,000	\$243.360.000	\$253.094.400	\$263,218,176	\$273,746,903	\$284,696,779	\$296.084.650	\$307.928.036
	Braintree	I-93/Route 3 Interchange (Braintree Split)	X \$34,632,000	\$36,017,280	\$37,457,971	\$38,956,290	\$40,514,542	\$42,135,123	\$43,820,528	\$45,573,349	\$47,396,283	\$49,292,135	\$51,263,820	\$53,314,373	\$55,446,948
1-62	Somerville	I-93/Mystic Avenue Interchange	X \$60,840,000	\$63,273,600	\$65,804,544	\$68,436,726	\$71,174,195	\$74,021,163	\$76,982,009	\$80,061,289	\$83,263,741	\$86,594,291	\$90,058,062	\$93,660,385	\$97,406,800
1-20	Concord and Lincoln	Route 2/Crosby's Corner Grade Separation	X	\$72,000,000	\$74,880,000	\$77,875,200	\$80,990,208	\$84,229,816	\$87,599,009	\$91,102,969	\$94,747,088	\$98,536,972	\$102,478,450	\$106,577,589	\$110,840,692
1-56	Revere	Route 1A/Route 16 Connection	<b>X</b> \$48,152,000	\$50,078,080	\$52,081,203	\$54,164,451	\$56,331,029	\$58,584,271	\$60,927,641	\$63,364,747	\$65,899,337	\$68,535,310	\$71,276,723	\$74,127,792	\$77,092,903
1-54	Revere	Route 1/Route 16 Interchange	X \$4,784,000	\$4,975,360	\$5,174,374	\$5,381,349	\$5,596,603	\$5,820,467	\$6,053,286	\$6,295,418	\$6,547,234	\$6,809,124	\$7,081,489	\$7,364,748	\$7,659,338
1-52	Revere	ŭ	X \$15,600,000		\$16,872,960	\$17,547,878	\$18,249,794	\$18,979,785	\$19,738,977	\$20,528,536	\$21,349,677	\$22,203,664	\$23,091,811	\$24,015,483	\$24,976,103
1-40		I-495/I-290/Route 85 Connector Interchange			\$31,046,246	\$32,288,096	\$33,579,620	\$34,922,805	\$36,319,717	\$37,772,506	\$39,283,406	\$40,854,742	\$42,488,932	\$44,188,489	\$45,956,029
	·	I-95 Northbound/Dedham Street Ramp and				· , , , ,	, ,		. , ,		·		. , ,	· , , , , ,	
1-16	Canton	Bridge	<b>X</b> \$3,640,000	\$3,785,600	\$3,937,024	\$4,094,505	\$4,258,285	\$4,428,617	\$4,605,761	\$4,789,992	\$4,981,591	\$5,180,855	\$5,388,089	\$5,603,613	\$5,827,757
1-18	Concord	Concord Rotary/Route 2	X \$41,600,000	\$43,264,000	\$44,994,560	\$46,794,342	\$48,666,116	\$50,612,761	\$52,637,271	\$54,742,762	\$56,932,472	\$59,209,771	\$61,578,162	\$64,041,289	\$66,602,940
		Route 1A/Boardman Street Grade													
1-8	Boston	Separation	<b>X</b> \$10,400,000	\$10,816,000	\$11,248,640	\$11,698,586	\$12,166,529	\$12,653,190	\$13,159,318	\$13,685,691	\$14,233,118	\$14,802,443	\$15,394,541	\$16,010,322	\$16,650,735
1. 1		I-93/Route 129 Interchange Improvement													
1-72	Wilmington and Reading	Project	X \$18,200,000		\$19,685,120	\$20,472,525	\$21,291,426	\$22,143,083	\$23,028,806	\$23,949,958	\$24,907,957	\$25,904,275	\$26,940,446	\$28,018,064	\$29,138,786
1-22	Danvers and Peabody	Route 1/Route 114 Corridor Improvements	X \$48,672,000		\$52,643,635	\$54,749,381	\$56,939,356	\$59,216,930	\$61,585,607	\$64,049,032	\$66,610,993	\$69,275,433	\$72,046,450	\$74,928,308	\$77,925,440
			Depending on the		Depending on the	Depending on the	Depending on the		Depending on the		Depending on the	alternative	alternative	Depending on the	alternative
			alternative chose		alternative chosen	alternative chosen:	alternative chosen:		alternative chosen:	alternative chosen	alternative chosen:	chosen:	chosen:	alternative chosen:	chosen:
	Wilmington, Tewksbury,		\$5,400,000			\$5,400,000 to	\$5,400,000 to		\$5,400,000 to		\$5,400,000 to	\$5,400,000 to	\$5,400,000 to	\$5,400,000 to	\$5,400,000 to
3-18	and Andover	Lowell Junction	\$10,700,00	0 \$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000
-															
4.00	Arterial Intersection	D + 400/D + 405 O + 0 - //	V 050 000 000	<b>#54.000.000</b>	Ø50.040.000	<b>#50.400.000</b>	<b>#</b> 00,000,045	#00 00F 0F4	<b>*</b> 05 <b>7</b> 00 <b>5</b> 00	<b>#00.400.450</b>	<b>#74.405.504</b>	<b>\$74.040.044</b>	<b>#70.070.700</b>	<b>#</b> 00.054.044	<b>#00.050.075</b>
1-28	Framingham	Route 126/Route 135 Grade Separation	X \$52,000,000	\$54,080,000	\$56,243,200	\$58,492,928	\$60,832,645	\$63,265,951	\$65,796,589	\$68,428,453	\$71,165,591	\$74,012,214	\$76,972,703	\$80,051,611	\$83,253,675
											-				
	Arterial Segments													A	
1-66	Weymouth	Route 18 Capacity Improvements	Х	\$26,100,000	\$27,144,000	\$28,229,760	\$29,358,950	\$30,533,308	\$31,754,641	\$33,024,826	\$34,345,819	\$35,719,652	\$37,148,438	\$38,634,376	\$40,179,751
4.0	Bedford, Burlington and	NAS-Jellana and Transa Standard and an area and a	v	<b>040,000,000</b>	<b>#40.000.000</b>	<b>#</b> 00 700 700	<b>#04 507 000</b>	000 404 004	<b>#</b> 00 050 700	<b>#04.004.405</b>	<b>#05.005.000</b>	<b>#</b> 00 070 500	007.007.507	<b>#00.400.000</b>	000 557 540
1-2 1-26	Billerica Everett, Medford, Revere	Middlesex Turnpike Improvements	X \$97,344,000	\$19,200,000	\$19,968,000 \$105,287,270	\$20,766,720 \$109,498,761	\$21,597,389 \$113,878,712	\$22,461,284 \$118,433,860	\$23,359,736 \$123,171,215	\$24,294,125 \$128,098,063	\$25,265,890 \$133,221,986	\$26,276,526 \$138,550,865	\$27,327,587 \$144,092,900	\$28,420,690 \$149,856,616	\$29,557,518 \$155,850,880
1-10	Boston		X \$67,432,000		\$72,934,451	\$75,851,829	\$78,885,902	\$82,041,339	\$85,322,992	\$88,735,912	\$92,285,348	\$95,976,762	\$99,815,833	\$103,808,466	\$107,960,805
1-44	Newton		X \$07,432,000	\$6,000,000	\$6,240,000	\$6,489,600	\$6,749,184	\$7,019,151	\$7,299,917	\$7,591,914	\$7,895,591	\$8,211,414	\$8,539,871	\$8,881,466	\$9,236,724
1-44	Needham	Highland Avenue	X	\$2,100,000	\$2,184,000	\$2,271,360	\$2,362,214	\$2,456,703	\$2,554,971	\$2,657,170	\$2,763,457	\$2,873,995	\$2,988,955	\$3,108,513	\$3,232,854
5-22	Hudson	Washington Street (Route 85) Widening	X	\$8,400,000	\$8,736,000	\$9,085,440	\$9,448,858	\$9,826,812	\$10,219,884	\$10,628,680	\$11,053,827	\$11,495,980	\$11,955,819	\$12,434,052	\$12,931,414
		3 3 ( 3		<del>\$ 0,100,000</del>	<b>\$</b> 0,100,000	40,000,000	40,110,000	<b>Q</b> 0,0=0,0:=	<b>*</b> · · · · · · · · · · · · · · · · · · ·	****	<b>V</b> · · · · · · · · · · · · · · · · · · ·	<b>V</b> ,,	<b>4</b> 11,000,010	¥ ·=, · · · ·, · · ·	<b>*</b> * * <b>*</b> * * * *
	Oallantanii a 🖂														
$\vdash$	Collector/Local	d C Moumouth Noval Air Station Asses													
1-64	weymouth, Hingham, and Rockland	d S. Weymouth Naval Air Station Access Improvements	<b>v</b>	\$62,000,000	\$64,480,000	\$67,059,200	\$69,741,568	\$72,531,231	\$75,432,480	\$78,449,779	\$81,587,770	\$84,851,281	\$88,245,332	\$91,775,146	\$95,446,151
1-64	Quincy		X	\$62,000,000	\$64,480,000	\$67,059,200	\$69,741,568	\$8,786,887	\$9,138,363	\$78,449,779	\$9,884,053	\$10,279,415	\$88,245,332 \$10,690,592	\$91,775,146 \$11,118,215	\$95,446,151 \$11,562,944
1-74	Woburn	,,,	X	\$4,500,000	\$4,680,000	\$4,867,200	\$5,061,888	\$5,264,364	\$5,474,938	\$5,693,936	\$5,921,693	\$6,158,561	\$6,404,903	\$6,661,099	\$6,927,543
	Salem		X	\$10,000,000		\$10,816,000	\$11,248,640	\$11,698,586	\$12,166,529	\$12,653,190	\$13,159,318	\$13,685,691	\$14,233,118	\$14,802,443	
. 50				\$10,000,000	ψ. 3, 100,300	ψ. 5,5 15,500	ψ.1,210,040	<b>\$</b> ,500,000	ψ. <u>=</u> ,100,020	ψ.2,000,100	\$ .5,100,010	ψ.ο,οοο,οοι	ψ, <u>2</u> 00,110	ψ11,00 <b>2</b> ,170	ψ.ο,οο i,ο i i
1-24	Everett, Malden, Medford	Telecom City Boulevard	X \$15,808,000	\$16,440,320	\$17,097,933	\$17,781,850	\$18,493,124	\$19,232,849	\$20,002,163	\$20,802,250	\$21,634,340	\$22,499,713	\$23,399,702	\$24,335,690	\$25,309,117
1-58	, ,	,	X \$2,392,000		\$2,587,187	\$2,690,675	\$2,798,302	\$2,910,234	\$3,026,643	\$3,147,709	\$3,273,617	\$3,404,562	\$3,540,744	\$3,682,374	\$3,829,669
							. ,					, ,			
	Freight														
1-6/ 6-	•	East Boston Haul Road/Chelsea Truck													
34	Boston	Route	X	\$12,375,787	\$12,870,818	\$13,385,651	\$13,921,077	\$14,477,920	\$15,057,037	\$15,659,319	\$16,285,691	\$16,937,119	\$17,614,604	\$18,319,188	\$19,051,955 <u></u>
	Additional Projects														
	Milford	Route 16 Bypass Road	\$0			* -	\$0		\$0		\$0	\$0	\$0	\$0	\$0
	Marshfield	Route 139 Improvements	\$0			\$7,733,440	\$8,042,778		\$8,699,068	\$9,047,031	\$9,408,912	\$9,785,269	\$10,176,679	\$10,583,747	
6-50	MassPort	T Under D	\$		\$83,200,000	\$86,528,000	\$89,989,120	\$93,588,685	\$97,332,232	\$101,225,521	\$105,274,542	\$109,485,524	\$113,864,945	\$118,419,543	\$123,156,325
$\vdash$	Woburn	Montvale Avenue	\$0		\$3,536,000	\$3,677,440	\$3,824,538	\$3,977,519	\$4,136,620	\$4,302,085	\$4,474,168	\$4,653,135	\$4,839,260	\$5,032,831	\$5,234,144
	Somerville	Assembly Square Roadway Project	\$0		\$29,120,000	\$30,284,800	\$31,496,192	\$32,756,040	\$28,000,000	\$29,120,000	\$30,284,800	\$31,496,192	\$32,756,040	\$34,066,281	\$35,428,933
-	Beverly Hanover	Route 128 Brimball Avenue Interchange Route 53 Final Phase	\$0		\$20,800,000 \$1,040,000	\$21,632,000 \$1,081,600	\$22,497,280 \$1,124,864	\$23,397,171 \$1,169,859	\$20,000,000 \$1,000,000	\$20,800,000 \$1,040,000	\$21,632,000 \$1,081,600	\$22,497,280 \$1,124,864	\$23,397,171 \$1,169,859	\$24,333,058 \$1,216,653	\$25,306,380 \$1,265,319
	1 10110751	Noute do Filiai Filase	\$(	\$1,000,000	\$1,040,000	φ1,001,000	φ1,124,004	φ1,109,009	φ1,000,000	φ1,040,000	φι,υοι,συυ	φ1,124,004	φ1,109,009	Φ1,∠10,053	φ1,200,519

Boston MPO Staff 1

## **Project Costs Through 2030**

	I <del>s. 1 . 1</del>											
	Project Location	Project Name	2021	2022	2023	2024	2025	2026	2027	<u>2028</u>	2029	2030
4.4	Limited Access Segment	D + 400 0 ': 1	#054 000 005	<b>#</b> 004 400 000	0074 500 004	0000 445 570	#200 740 00F	<b>#</b> 005 400 404	0047.740.050	<b>#</b> 000 404 070	#0.40.000.00F	<b>******</b>
1-4	Beverly to Peabody	Route 128 Capacity Improvements X	\$251,093,085	\$261,136,808	\$271,582,281	\$282,445,572	\$293,743,395	\$305,493,131	\$317,712,856	\$330,421,370	\$343,638,225	\$357,383,754
1-68	Weymouth to Duxbury	Route 3 South Additional Lanes X	\$364,691,060	\$379,278,702	\$394,449,850	\$410,227,844	\$426,636,958	\$443,702,436	\$461,450,534	\$479,908,555	\$499,104,897	\$519,069,093
1-38	Malden and Revere	Route 1 Improvements X	\$112,558,969	\$117,061,328	\$121,743,781	\$126,613,532	\$131,678,073	\$136,945,196	\$142,423,004	\$148,119,924	\$154,044,721	\$160,206,510
		1										
	Limited Access Intercha	ange										
1-50	Dooding and Wahum	1 02/1 05 Interchange	\$244,000,000	\$004.040.000	¢207.040.740	¢050,000,007	<b>#004 044 700</b>	¢070 405 400	<b>COO4 C40 DE4</b>	¢440.007.005	£400.040.050	<b>#440.005.700</b>
	Reading and Woburn Canton	I-93/I-95 Interchange X I-93/I-95 Interchange X	\$311,868,268 \$320,245,158	\$324,342,999 \$333,054,964	\$337,316,719 \$346,377,163	\$350,809,387 \$360,232,249	\$364,841,763 \$374,641,539	\$379,435,433 \$389,627,201	\$394,612,851	\$410,397,365	\$426,813,259 \$438,277,612	\$443,885,790 \$455,808,716
1-14 5-10	Braintree	I-93/Route 3 Interchange (Braintree Split)	\$57,664,826	\$59,971,419	\$62,370,275	\$64,865,087	\$67,459,690	\$70,158,078	\$405,212,289 \$72,964,401	\$421,420,780 \$75,882,977	\$78.918.296	\$82,075,028
1-62	Somerville	I-93/Mystic Avenue Interchange	\$101,303,072	\$105,355,195	\$109,569,403	\$113,952,179	\$118.510.266	\$123,250,677	\$128,180,704	\$133,307,932	\$138,640,249	\$144.185.859
1-20	Concord and Lincoln	Route 2/Crosby's Corner Grade Separation X	\$115,274,320	\$119,885,293	\$124,680,704	\$129,667,932	\$134,854,650	\$140,248,836	\$125,160,704	\$151,693,141	\$157,760,866	\$164,071,301
1-56	Revere	Route 1A/Route 16 Connection	\$80,176,620	\$83,383,684	\$86,719,032	\$90,187,793	\$93,795,305	\$97,547,117	\$101,449,002	\$105,506,962	\$109,727,240	\$114,116,330
1-54	Revere	Route 1/Route 16 Interchange X	\$7,965,712	\$8,284,340	\$8,615,714	\$8,960,342	\$9,318,756	\$9,691,506	\$10,079,166	\$10,482,333	\$10,901,626	\$11,337,691
1-52	Revere	Mahoney Circle Grade Separation X	\$25,975,147	\$27,014,153	\$28,094,719	\$29,218,507	\$30,387,248	\$31,602,738	\$32,866,847	\$34,181,521	\$35,548,782	\$36,970,733
1-40	Marlborough and Hudson	I-495/I-290/Route 85 Connector Interchange X	\$47,794,270	\$49,706,041	\$51,694,282	\$53,762,054	\$55,912,536	\$58,149,037	\$60,474,999	\$62,893,999	\$65,409,759	\$68,026,149
4.40		I-95 Northbound/Dedham Street Ramp and	Фо ооо ооо	<b>#</b> 0.000.000	00.555.404	<b>#0.047.050</b>	<b>#7</b> 000 050	<b>#</b> 7.070.070	<b>#7</b> 000 004	Φ <b>7</b> 0 <b>7</b> 5 000	<b>#0.004.740</b>	<b>#0.000.504</b>
1-16	Canton	Bridge X  Concord Rotary/Route 2 X	\$6,060,868	\$6,303,302	\$6,555,434	\$6,817,652	\$7,090,358	\$7,373,972	\$7,668,931	\$7,975,688	\$8,294,716	\$8,626,504 \$98,588,622
1-18	Concord	Concord Rotary/Route 2 X  Route 1A/Boardman Street Grade	\$69,267,058	\$72,037,740	\$74,919,250	\$77,916,020	\$81,032,661	\$84,273,967	\$87,644,926	\$91,150,723	\$94,796,752	<b>Φ98,588,622</b>
1 0	Rocton		\$17,316,764	\$18,009,435	\$18,729,812	\$19,479,005	\$20,258,165	\$21,068,492	\$21,911,231	\$22,787,681	\$23,699,188	\$24,647,155
1-8	Boston	Separation X I-93/Route 129 Interchange Improvement	φι/,310,/04	φ ι σ,υυθ,435	φ10,/29,012	φ19,479,005	φ20,238,165	φ∠1,000,49Z	φ∠1,911,∠31	φ∠∠,101,081	φ∠ა,099,168	φ <b>∠</b> 4,047,135
1-72	Wilmington and Reading	Project X	\$30,304,338	\$31,516,511	\$32,777,172	\$34,088,259	\$35,451,789	\$36,869,861	\$38,344,655	\$39,878,441	\$41,473,579	\$43,132,522
1-72	Danvers and Peabody	Route 1/Route 114 Corridor Improvements X	\$81,042,458	\$84,284,156	\$87,655,522	\$91,161,743	\$94,808,213	\$98,600,541	\$102,544,563	\$106.646.346	\$110,912,199	\$115,348,687
1-22	Danvers and Feabouty	Route 1/Route 114 Contact Improvements   X				· · · · · · · · · · · · · · · · · · ·	. , , ,	. , ,		Depending on the		Depending on the
			Depending on the alternative chosen:	Depending on the alternative chosen:	Depending on the alternative chosen:	Depending on the alternative chosen:	Depending on the alternative chosen:	Depending on the alternative chosen:	Depending on the alternative chosen:	alternative chosen:		alternative chosen:
	Wilmington, Tewksbury,		\$5,400,000 to	\$5,400,000 to	\$5,400,000 to	\$5,400,000 to	\$5,400,000 to	\$5,400,000 to	\$5,400,000 to	\$5,400,000 to	\$5,400,000 to	\$5,400,000 to
3-18	and Andover	Lowell Junction	\$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000
3-10	and Andover	Lowell Juliction	\$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000	\$10,700,000
	A	1										
1-28	Arterial Intersection Framingham	Route 126/Route 135 Grade Separation X	\$86,583,822	\$90,047,175	\$93,649,062	\$97,395,025	\$101,290,826	\$105,342,459	\$109,556,157	\$113,938,403	\$118,495,940	\$123,235,777
1-20	Framingham	Route 126/Route 135 Grade Separation	Φ00,303,622	\$90,047,175	\$93,649,062	\$97,393,023	\$101,290,828	\$105,342,459	\$109,556,157	\$113,930,403	\$110,490,940	\$123,233,777
	Arterial Segments							_				
1-66	Weymouth	Route 18 Capacity Improvements X	\$41,786,941	\$43,458,419	\$45,196,755	\$47,004,625	\$48,884,811	\$50,840,203	\$52,873,811	\$54,988,763	\$57,188,314	\$59,475,847
	Bedford, Burlington and					<b>4</b>		<b>.</b>			<b>.</b>	
1-2	Billerica	Middlesex Turnpike Improvements X	\$30,739,819	\$31,969,411	\$33,248,188	\$34,578,115	\$35,961,240	\$37,399,690	\$38,895,677	\$40,451,504	\$42,069,564	\$43,752,347
1-26	Everett, Medford, Revere		\$162,084,915 \$142,270,227	\$168,568,312 \$446,770,406	\$175,311,045	\$182,323,486	\$189,616,426	\$197,201,083	\$205,089,126	\$213,292,691	\$221,824,399	\$230,697,375
1-10 1-44	Boston	Rutherford Avenue X  Needham Street X	\$112,279,237	\$116,770,406 \$9,990,441	\$121,441,222 \$10,390,059	\$126,298,871 \$10,805,661	\$131,350,826 \$11,237,887	\$136,604,859 \$11,687,403	\$142,069,054	\$147,751,816	\$153,661,888 \$13,146,739	\$159,808,364 \$13,672,608
1-44	Newton Needham	Highland Avenue	\$9,606,193 \$3,362,168	\$3,496,654	\$3,636,521	\$3,781,981	\$3,933,261	\$4,090,591	\$12,154,899 \$4,254,215	\$12,641,095 \$4,424,383	\$4,601,359	\$4,785,413
5-22	Hudson	Washington Street (Route 85) Widening X	\$13,448,671	\$13,986,617	\$14,546,082	\$15,127,925	\$15,733,042	\$16,362,364	\$17,016,859	\$17,697,533	\$18,405,434	\$19,141,652
5-22	ridusori	Washington Street (Notice 65) Widehing	\$13,440,071	\$13,300,017	\$14,540,082	\$10,127,920	\$13,733,042	\$10,302,304	\$17,010,839	\$17,097,555	\$10,403,434	\$19,141,032
-		+										
	Collector/Local											
		d S. Weymouth Naval Air Station Access										
1-64	Rockland	Improvements X	\$99,263,998	\$103,234,557	\$107,363,940	\$111,658,497	\$116,124,837	\$120,769,831	\$125,600,624	\$130,624,649	\$135,849,635	\$141,283,620
1-48	Quincy	Quincy Center Concourse, Phase 2 X	\$12,025,462	\$12,506,480	\$13,006,740	\$13,527,009	\$14,068,089	\$14,630,813	\$15,216,046	\$15,824,687	\$16,457,675	\$17,115,982
1-74	Woburn	New Boston Street Bridge X	\$7,204,645	\$7,492,831	\$7,792,544	\$8,104,246	\$8,428,416	\$8,765,552	\$9,116,174	\$9,480,821	\$9,860,054	\$10,254,456
1-60	Salem	Bridge Street X	\$16,010,322	\$16,650,735	\$17,316,764	\$18,009,435	\$18,729,812	\$19,479,005	\$20,258,165	\$21,068,492	\$21,911,231	\$22,787,681
		T				<b>***</b>		<b>A</b>		<b>A</b>		007
		Telecom City Boulevard X	\$26,321,482	\$27,374,341	\$28,469,315	\$29,608,088	\$30,792,411	\$32,024,107	\$33,305,072	\$34,637,275	\$36,022,766	\$37,463,676
1-58	Salem	Boston Street X	\$3,982,856	\$4,142,170	\$4,307,857	\$4,480,171	\$4,659,378	\$4,845,753	\$5,039,583	\$5,241,167	\$5,450,813	\$5,668,846
		+										
1.0/0	Freight	East Poston Houl Pood/Chalars Trusts										
1-6/6-		East Boston Haul Road/Chelsea Truck	¢10 014 024	\$20 GOG EOF	¢24 420 0E0	¢22.200.002	\$22,470,647	¢24 406 002	¢25 074 074	¢26.072.047	¢27 116 072	\$29,204,549
34	Boston	Route X	\$19,814,034	\$20,606,595	\$21,430,859	\$22,288,093	\$23,179,617	\$24,106,802	\$25,071,074	\$26,073,917	\$27,116,873	\$28,201,548
	Additional Projects		T	1		T	T		T	1		
7-4	Milford	Route 16 Bypass Road	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7-4	Marshfield	Route 16 Bypass Road  Route 139 Improvements	\$11,447,380	\$11,905,276	\$12,381,487	\$12,876,746	\$13,391,816	\$13,927,489	\$14,484,588	\$15,063,972	\$15,666,530	\$16,293,192
6-50	MassPort	T Under D	\$11,447,380	\$133,205,881	\$138,534,116	\$144,075,480	\$149,838,500	\$155,832,040	\$162,065,321	\$168,547,934	\$175,289,851	\$182,301,446
0-30	Woburn	Montvale Avenue	\$5,443,510	\$5,661,250	\$5,887,700	\$6,123,208	\$6,368,136	\$6,622,862	\$6,887,776	\$7,163,287	\$7,449,819	\$7,747,811
-	Somerville	Assembly Square Roadway Project	\$36,846,090	\$38,319,933	\$39,852,731	\$41,446,840	\$43,104,714	\$44,828,902	\$46,622,058	\$48,486,941	\$50,426,418	\$52,443,475
-	Beverly	Route 128 Brimball Avenue Interchange	\$26,318,636	\$27,371,381	\$28,466,236	\$29,604,886	\$30,789,081	\$32,020,644	\$33,301,470	\$34,633,529	\$36,018,870	\$37,459,625
-	Hanover	Route 53 Final Phase	\$1,315,932	\$1,368,569	\$1,423,312	\$1,480,244	\$1,539,454	\$1,601,032	\$1,665,074	\$1,731,676		\$1,872,981
			ψ1,010,002	ψ1,500,509	ψ1,420,012	ψ1,700,274	Ψ1,000,404	ψ1,001,032	ψ1,000,074	ψ1,731,070	ψ1,000,374	Ψ1,012,301

#### EOT/MassHighway Statewide Finance Plan - Summary

#### Sources of Funds

Obligation Authority	2010	2011 - 2015	2016 -2020	2021 -2025	2025- 2030	Total
Available OA - FHWA Revised Guidance	\$532	\$2,708	\$3,086	\$3,578	\$4,148	\$14,052
Assumed Redistribution - FHWA Revised Guidance	\$37	\$188	\$215	\$249	\$288	\$977
(a) Special Bridge OA	\$30	\$0	\$0	\$0	\$0	\$30
(b) American Recovery & Reinvestment Act	\$285	\$0	\$0	\$0	\$0	\$285
(d) CA/T GANs	(\$151)	(\$686)	\$0	\$0	\$0	(\$837)
(e) Accelerated Bridge GANs	\$0	(\$150)	(\$750)	(\$208)	\$0	(\$1,108)
Subtotal MHD Available OA	\$733	\$2,060	\$2,551	\$3,619	\$4,436	\$13,399
MHD State Match - GO Debt	\$95	\$471	\$603	\$872	\$1,088	\$3,129
Subtotal MHD Available OA w/ Match	\$828	\$2,531	\$3,154	\$4,491	\$5,524	\$16,528
NFA Construction - GO Debt	\$110	\$779	\$1,030	\$1,080	\$1,115	\$4,114
NFA Project Ops - GO Debt	\$215	\$1,078	\$1,100	\$1,130	\$1,165	\$4,688
Subtotal NFA- GO Debt	\$325	\$1,857	\$2,130	\$2,210	\$2,280	\$8,802
Accelerated Bridge - Special Obligation Bonds	\$415	\$1,322	\$0	\$0	\$0	\$1,737
Total Sources - Highway	\$1,567	\$5,710	\$5,284	\$6,701	\$7,804	\$27,066

Statewide Allocation	2010	2011 - 2015	2016 -2020	2021 -2025	2025- 2030	Total
Statewide Resurfacing Program	\$88	\$419	\$518	\$739	\$907	\$2,671
Statewide Infrastructure Program	\$13	\$140	\$210	\$299	\$367	\$1,029
Statewide Bridge Program	\$118	\$652	\$839	\$1,188	\$1,471	\$4,268
Accelerated Bridge Program	\$415	\$1,322	\$0	\$0	\$0	\$1,737
Statewide Maintenance Program	\$110	\$779	\$1,030	\$1,080	\$1,115	\$4,114
ARRA Projects	\$285	\$0	\$0	\$0	\$0	\$285
Special Bridge Projects	\$30	\$0	\$0	\$0	\$0	\$30
Regional Major Infrastructure Projects	\$41	\$208	\$261	\$375	\$460	\$1,345
Project Operations	\$215	\$1,078	\$1,100	\$1,130	\$1,165	\$4,688
Federal-Aid Administrative Takedowns (Planning, EWO, etc.)	\$67	\$351	\$446	\$637	\$781	\$2,282
MPO Discretionary Capital Program	\$132	\$684	\$878	\$1,253	\$1,539	\$4,486
Total Uses - Highway	\$1,514	\$5,632	\$5,282	\$6,701	\$7,805	\$26,934
Boston RTP Share of MPO Disrcetionary Capital Program Estimated Boston Share of Regional Major Infrastructure Projects	\$56.72 \$0.00	\$293.70 \$37.81	\$377.28 \$112.14	\$538.41 \$161.13	\$661.31 \$197.65	\$1,927.42 \$577.91
Total Share of Discretionary Capital Program	\$56.72	\$331.51	\$489.42	\$699.54	\$858.96	\$2,505.33
Boston Share of Statewide Allocation Statewide Resurfacing Program Statewide Infrastructure Program Statewide Bridge Program Accelerated Bridge Program* Statewide Maintenance Program ARRA Projects Special Bridge Projects	\$27.81 \$4.25 \$34.71 \$26.63 \$34.76	\$132.40 \$44.20 \$191.65 \$1,020.14 \$246.16	\$163.69 \$66.36 \$246.67 \$325.48	\$233.52 \$94.48 \$349.27 \$341.28	\$286.61 \$115.97 \$432.47 \$352.34	\$844.04 \$325.26 \$1,254.77 \$1,300.02

<sup>\*</sup> Includes DCR bridges but not District numbers