

Federal Transportation Programming - **Where does the funding come from, what is it used for, and** **next steps**

Hayes Morrison, Boston Region MPO

October 28, 2010
SWAP Subregion Presentation



Boston Region Metropolitan Planning Organization

Where Does the Funding Come From?

- **The Transportation Improvement Program (TIP) is a listing of the projects to be funded using Federal Aid over a four year period.**
 - Detailed at www.bostonmpo.org/tip

Obligation Authority and State Match

Summary of Proposed FFY 2010 - 2014 MPO Targets
6/9/2010

	Current 2010	Current 2011	Proposed 2011	Current 2012	Proposed 2012	Current 2013	Proposed 2013	Proposed 2014
Base Obligation Authority	\$532,000,000	\$532,000,000	\$560,000,000	\$532,000,000	\$560,000,000	\$532,000,000	\$560,000,000	\$560,000,000
Special Bridge Program O/A, as Estimated by FHWA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Redistribution, as Estimated by FHWA	\$37,000,000	\$37,000,000	\$40,000,000	\$37,000,000	\$40,000,000	\$37,000,000	\$40,000,000	\$40,000,000
Total Estimated Obligation Authority Available:	\$569,000,000	\$569,000,000	\$600,000,000	\$569,000,000	\$600,000,000	\$569,000,000	\$600,000,000	\$600,000,000
Central Artery/Tunnel Obligation Authority	-\$151,290,000	-\$159,365,000	-\$159,365,000	-\$165,960,000	-\$165,960,000	-\$176,555,000	-\$176,555,000	-\$183,795,000
Total Non-Earmarked O/A Available Statewide	\$417,710,000	\$409,635,000	\$440,635,000	\$403,040,000	\$434,040,000	\$392,445,000	\$423,445,000	\$416,205,000
Total Non-Earmarked Available Statewide (Including State Match)	\$511,433,611	\$502,106,250	\$539,043,750	\$493,862,500	\$524,862,500	\$408,306,250	\$511,056,250	\$504,066,250
Statewide Infrastructure Items:								
Statewide Infrastructure Program (Includes Noise Barriers)	\$1,500,000	\$1,500,000	\$6,000,000	\$1,500,000	\$1,500,000	\$6,000,000	\$6,000,000	\$6,000,000
Statewide Safety Program	\$4,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Statewide HSIP Program	\$2,500,000	\$2,500,000	\$5,000,000	\$2,500,000	\$2,500,000	\$5,000,000	\$5,000,000	\$5,000,000
Statewide Safe Routes to Schools Program	\$3,260,000	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000
Statewide CMAQ	\$3,800,000	\$9,500,000	\$12,500,000	\$9,500,000	\$9,500,000	\$6,250,000	\$6,250,000	\$6,250,000
Statewide Transportation Enhancements	\$500,000	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000	\$500,000	\$500,000	\$500,000
Statewide Recreational Trails	\$783,000	\$783,000	\$783,000	\$783,000	\$783,000	\$783,000	\$783,000	\$783,000
Statewide ITS Includes Rte I-91 in 2010 & 2011	\$12,687,500	\$11,625,000	\$11,625,000	\$6,375,000	\$6,375,000	\$6,250,000	\$6,250,000	\$6,250,000
Statewide Design and Right of Way	\$0	\$0	\$0	\$0	\$0	\$3,000,000	\$3,000,000	\$3,000,000
Statewide Interstate Maintenance Program	\$72,611,111	\$70,000,000	\$70,000,000	\$70,000,000	\$70,000,000	\$70,000,000	\$70,000,000	\$70,000,000
Statewide NHS Preservation Program	\$14,500,000	\$14,500,000	\$14,500,000	\$12,000,000	\$12,000,000	\$9,178,750	\$9,178,750	\$9,178,750
Statewide Railroad Grade Crossings	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
Statewide Transit	\$37,500,000	\$31,250,000	\$31,250,000	\$25,000,000	\$25,000,000	\$0	\$0	\$0
Subtotal Statewide Infrastructure Items:	\$154,141,611	\$149,158,000	\$159,158,000	\$135,158,000	\$135,158,000	\$110,961,750	\$110,961,750	\$110,961,750
Other Statewide Items:								
Award Adjustments, Change Orders, Project Value Changes, Etc.	\$43,750,000	\$43,750,000	\$43,750,000	\$43,750,000	\$43,750,000	\$45,000,000	\$43,750,000	\$45,000,000
Planning	\$23,000,000	\$23,000,000	\$23,000,000	\$23,000,000	\$23,000,000	\$23,000,000	\$23,000,000	\$23,000,000
DBEs, CEPO, Pavement Lab Retrofits, and Misc. Programs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Other Statewide Items:	\$66,750,000	\$66,750,000	\$66,750,000	\$66,750,000	\$66,750,000	\$68,000,000	\$66,750,000	\$68,000,000
Regional Major Infrastructure Projects:	\$41,000,000	\$40,000,000	\$40,000,000	\$40,000,000	\$40,000,000	\$40,000,000	\$40,000,000	\$40,000,000
Bridge Program:								
Statewide Bridge Repl. / Rehab Program	\$111,545,828	\$113,045,828	\$121,483,328	\$116,795,828	\$116,795,828	\$121,483,328	\$121,483,328	\$121,483,328
Statewide Bridge Preservation Program	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Statewide Bridge Inspection Program	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000	\$6,250,000
Subtotal Federal Aid Bridge Program:	\$117,795,828	\$119,295,828	\$127,733,328	\$123,045,828	\$123,045,828	\$127,733,328	\$127,733,328	\$127,733,328
Regional Targets:								
Minimum Regional CMAQ Component:	\$0	\$0	\$12,500,000	\$0	\$0	\$20,000,000	\$20,000,000	\$20,000,000
Minimum Regional HSIP Component:	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000
Maximum Regional Non-CMAQ / HSIP Component:	\$121,746,173	\$116,902,423	\$116,902,423	\$118,908,673	\$118,908,673	\$103,611,173	\$103,611,173	\$103,611,173
Total Regional Target (Un-Adjusted)	\$131,746,173	\$126,902,423	\$139,402,423	\$128,908,673	\$128,908,673	\$133,611,173	\$133,611,173	\$133,611,173
Year of Expenditure factor					4%		8.16%	12.48%
Total Regional Target with Year of Expenditure adjustment					123,752,326		122,708,501	116,936,498



The Boston Region MPO's "Target"

- From last page the "Total Regional Target" is \$139,402,423 in FFY 2011 for all 13 Massachusetts MPO's.
- The Boston Region accounts for 42.9671% of the Commonwealth's population
 - The Boston Region MPO's "target funding" is \$59,897,178

The Boston Region MPO's "Target"

- Transit funding is given by formula to the MBTA and the regions RTA's
 - 5307 funds - \$167.5 M to the MBTA, \$1.8M to MWRTA and \$600K to CATA per year for capital investment
 - 5309 funds are only given to the MBTA, \$117.5M per year for capital investment

Where does the funding go?

What has the MPO been programming?

http://www.ctps.org/bostonmpo/5_meetings_and_events/2_past/2010/100710_TPPC_Materials2.pdf

TIP Inventory FFYs 2008-14

- FFYs 2008-10 are an inventory of spending
- FFYs 2011-14 are a listing of current programming

- No CA/T or SIP project spending was cataloged
- Bicycle and Pedestrian funding does not include on network facilities

TIP Inventory FFYs 2008-14

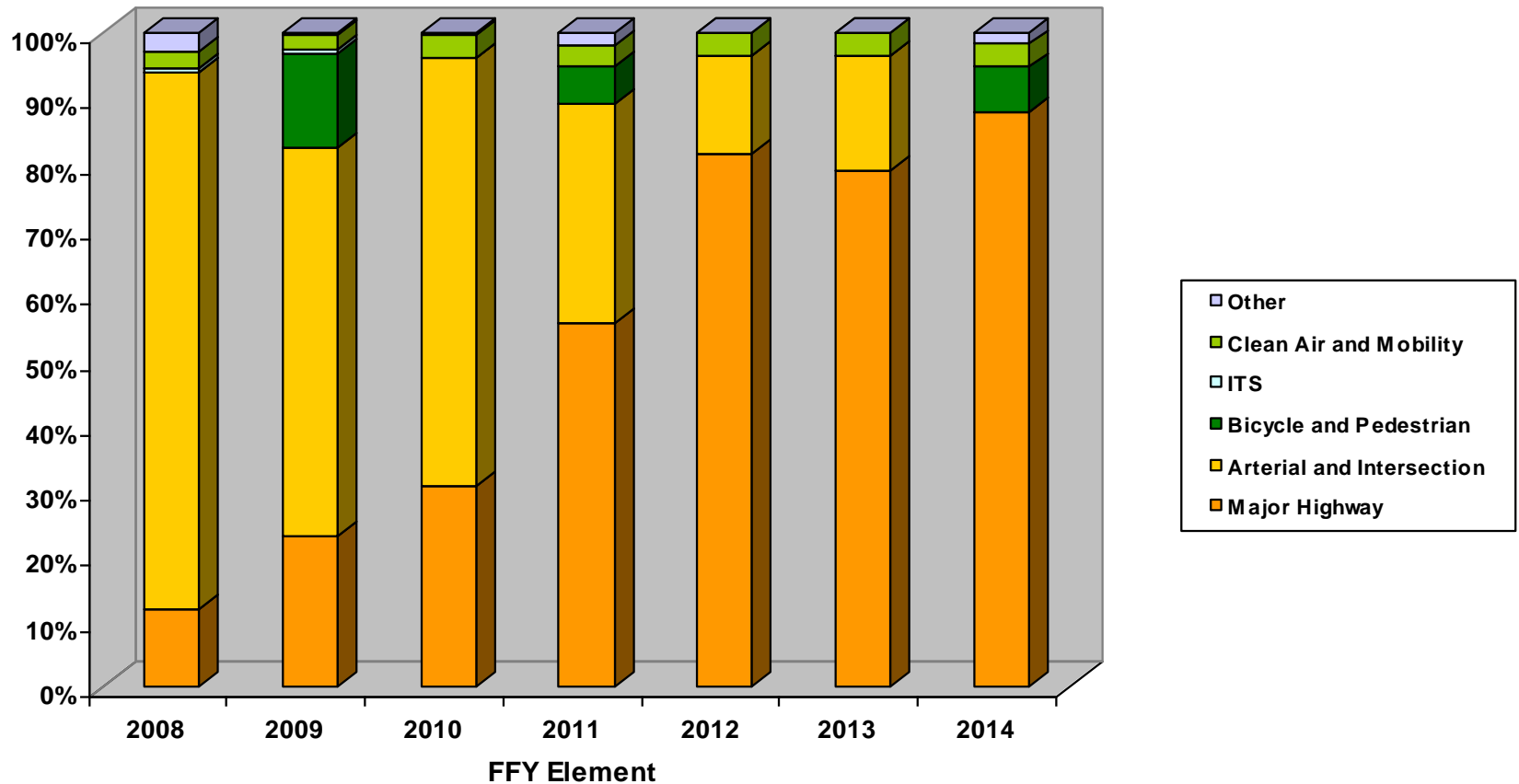
Categories

- **Project Type**
 - A listing of programming by project type (p.2)

- **Project Purpose**
 - A listing of programming by purpose for investment (p.2)

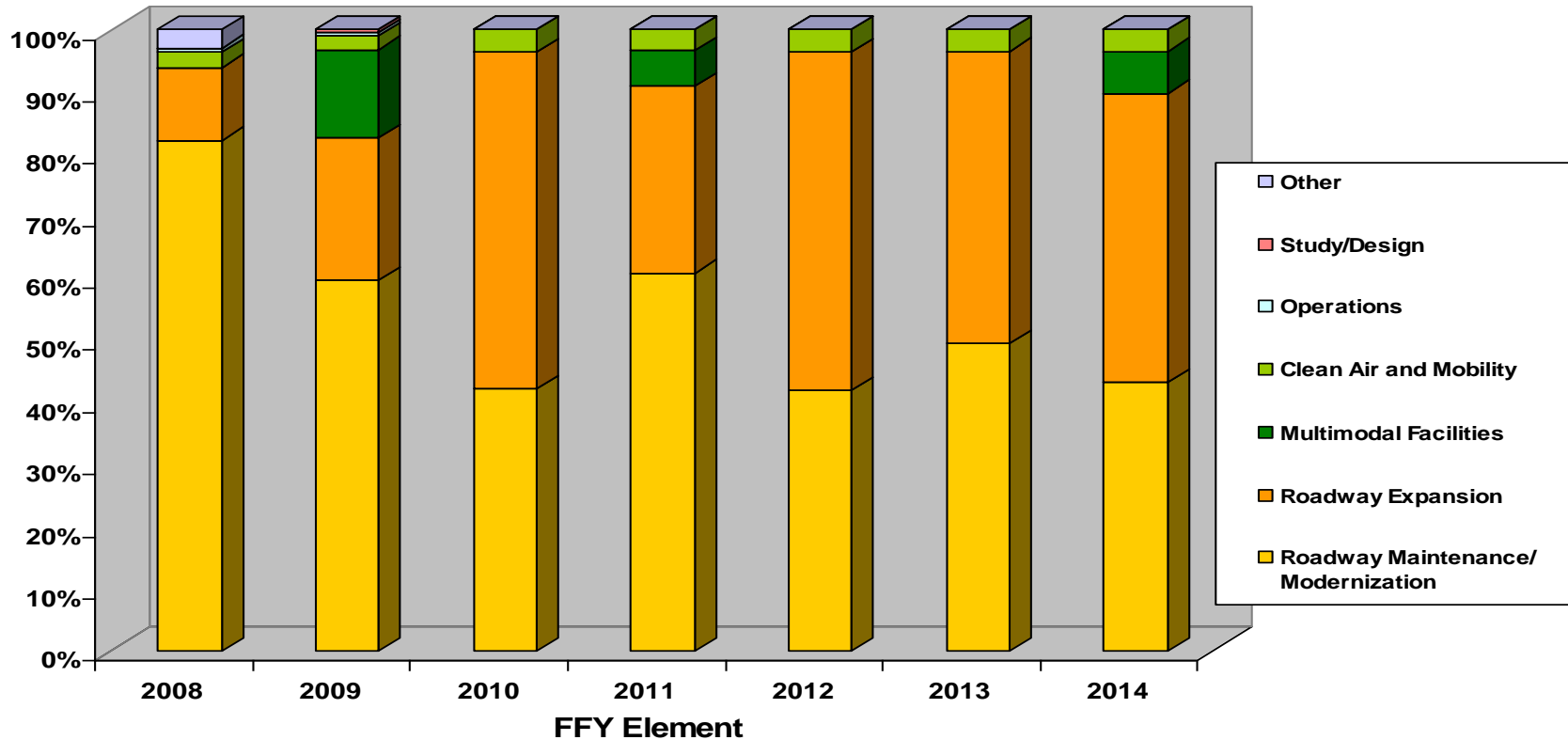
TIP Inventory FFYs 2008-14

Target Projects by Project Type



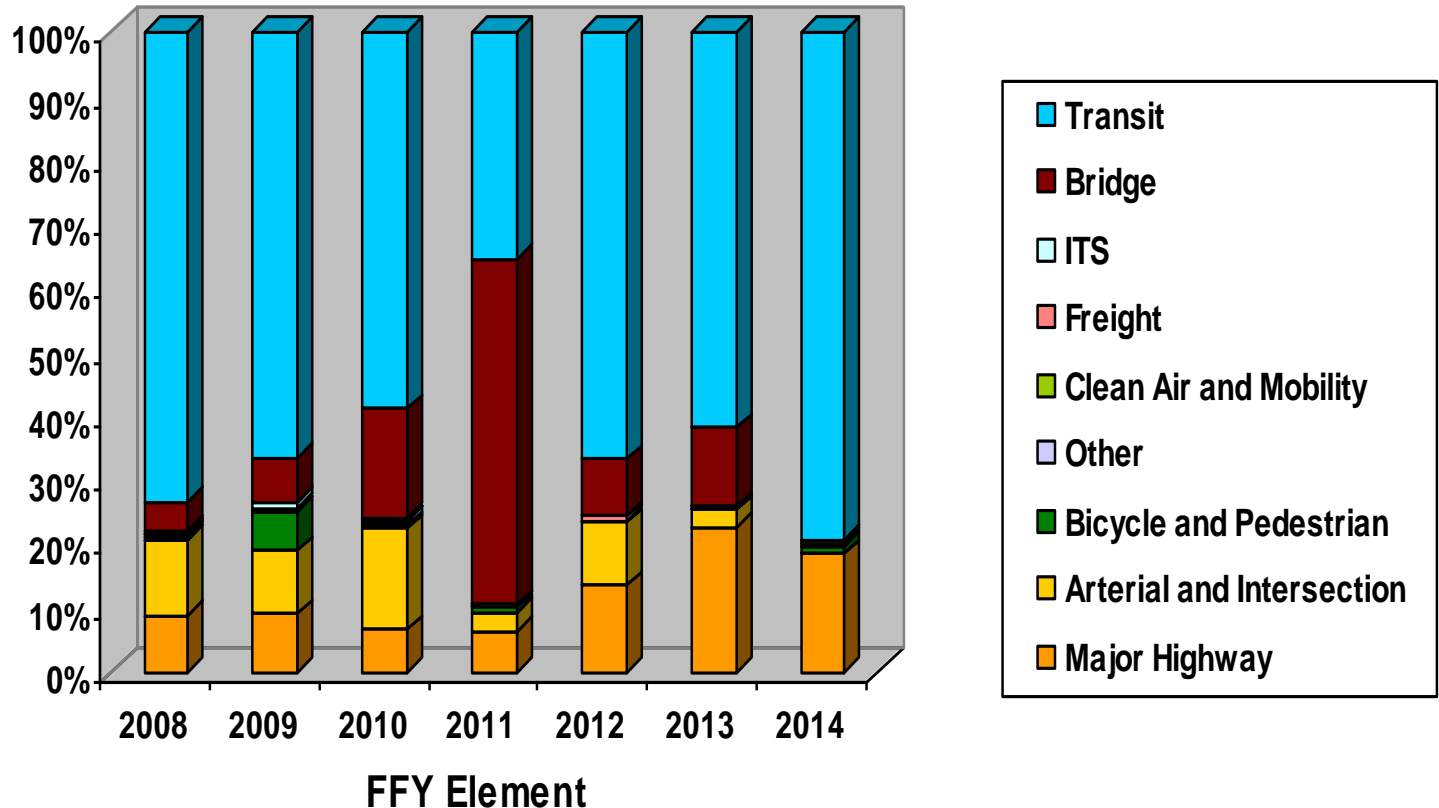
TIP Inventory FFYs 2008-14

Target Projects by Project Purpose



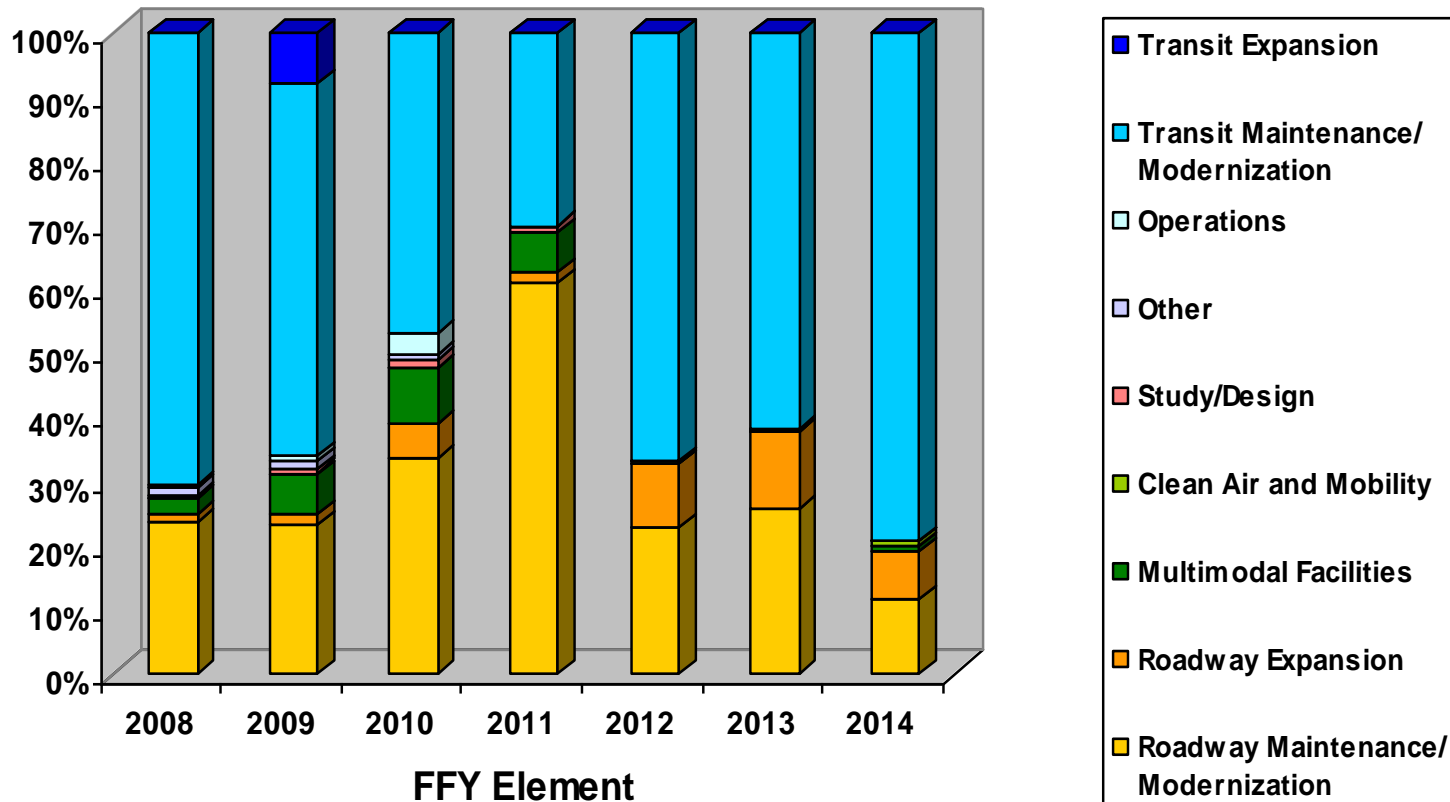
TIP Inventory FFYs 2008-14

Total TIP Projects by Project Type



TIP Inventory FFYs 2008-14

Total TIP Projects by Project Purpose



MAPC Subregions

The MAPC Region and its Subregions



About MAPC



The Metropolitan Area Planning Council (MAPC) is a regional planning agency serving the people who live and work in Greater Boston. Our region includes 101 municipalities, from coastal towns to developing suburbs and post-industrial regional urban centers.

Our mission is to promote smart growth and regional collaboration, which includes protecting the environment, supporting economic development, encouraging sustainable land use, improving transportation, bolstering affordable housing, ensuring public safety, advancing equity and opportunity among people of all backgrounds, and fostering cooperation among municipalities. Our work is guided by our regional plan, "MetroFuture: Making a Greater Boston Region."

MAPC's 101 member communities help accomplish our regional work through eight "subregions" each staffed by a coordinator from MAPC; the MetroWest subregion is led by an independent board and director. Each subregion includes municipal officials, along with other regional and community stakeholders, all of whom work together to develop an annual work plan and priorities. (See map of subregions above).

60 Temple Place • Boston Massachusetts 02111 • (617) 451-2770 • Fax (617) 482-7185

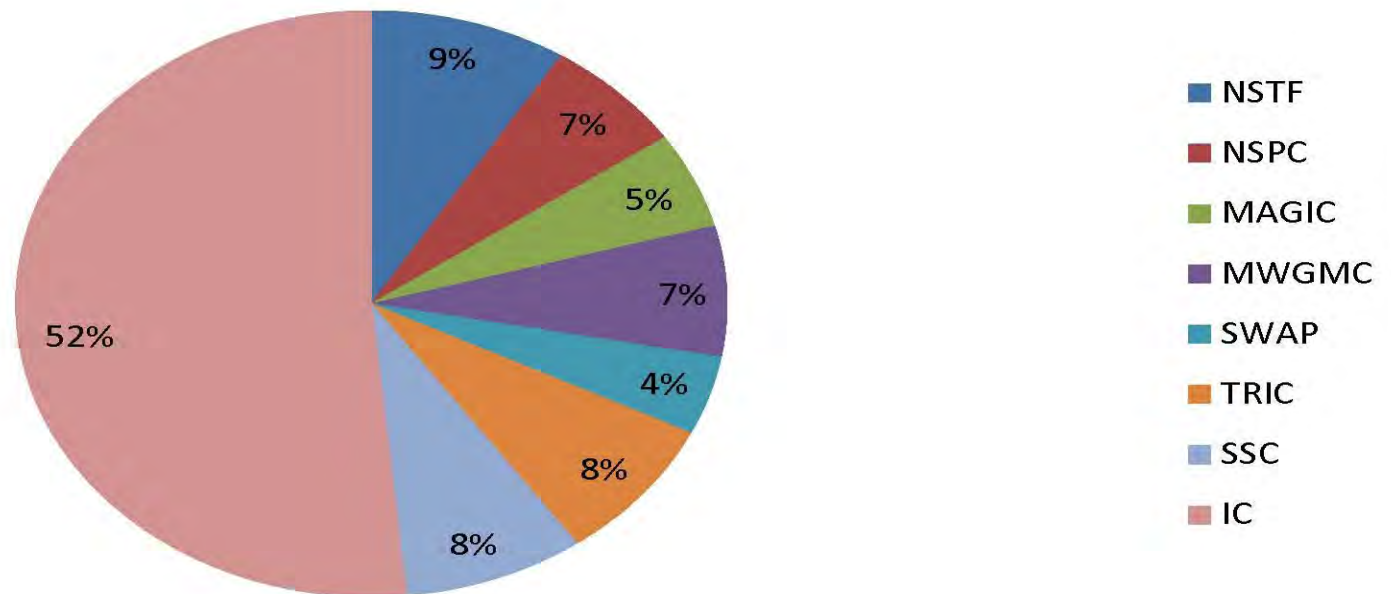
Credits

The following MAPC staff helped produce Metropolitan Insights 2010: Amanda Linehan, Tim Reardon and Holly St. Clair for project coordination and editing; Mariona Arcaña, Manisha Deswra, Chris Brown, Susan Brunton and Christian Spanning for mapping and Joel Barrera, Joan Blaustein, Amy Cotter, Steve Daly, Rebecca Davis, Marc Draisen, Jim Gallagher, Jessie Grogan, Tom Hauenstein, David Loutzerheiser, Kathleen O'Connor Ives, Martin Pillsbury, Mark Backot, Jennifer Raitt, Amy Reilly, Harry Taylor and Steve Winter for additional input and editing. Jason Fairchild of The Truesdale Group provided graphic design services.



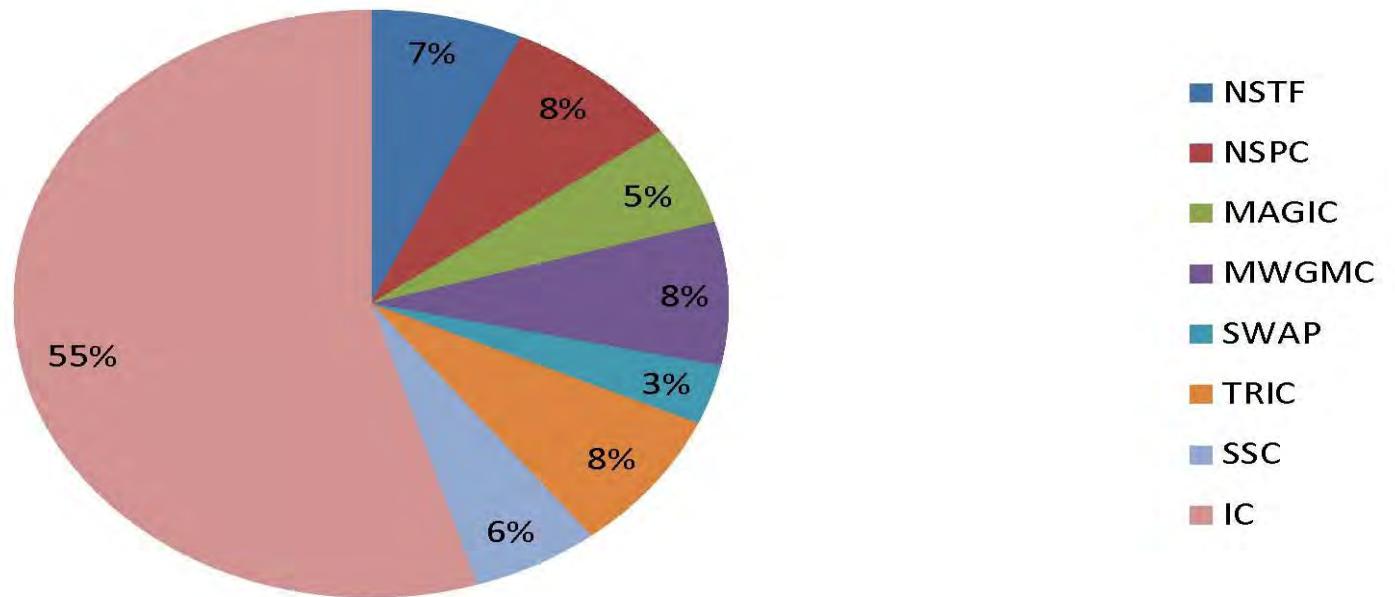
Your subregion

2009 Population by Subregion



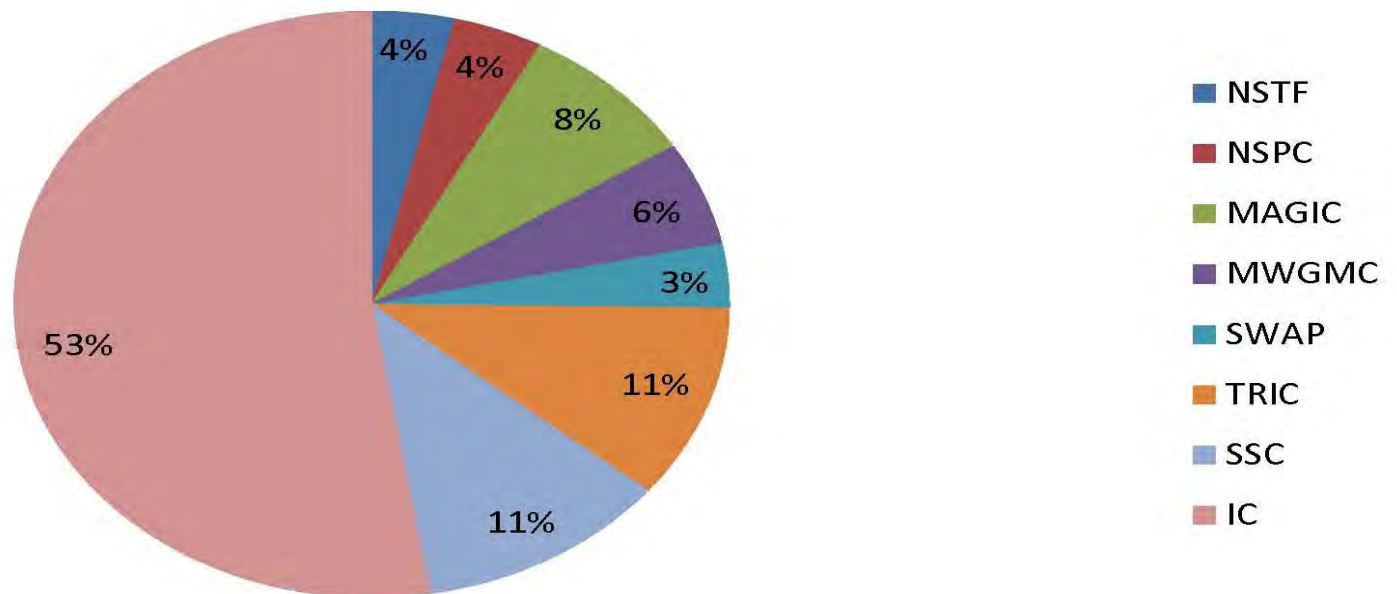
Your subregion

2009 Employment by Subregion

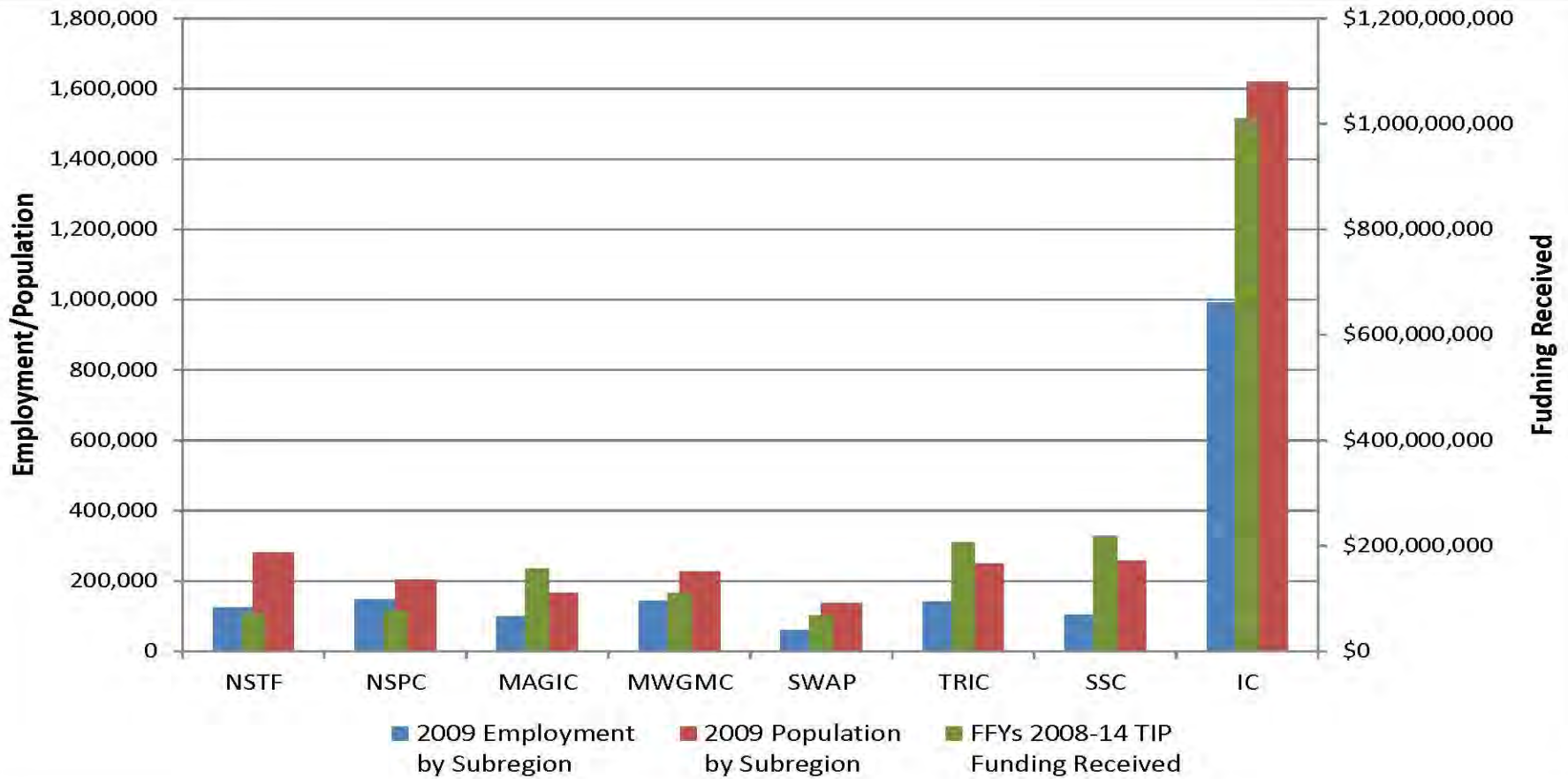


Your subregion

TIP Funding by Subregions FFYs 2008-14



Your subregion



Next Steps

- **The MPO is currently developing it's Long Range Transportation Plan – Paths to a Sustainable Region 2035**
 - **This Plan will detail major capital investment in the transportation system, both highway and transit, over the next 25 years**
 - **The Plan has to be fiscally constrained**

Next Steps

- **Federal reauthorization of the transportation equity act is still outstanding. Consequently, it is assumed at this point that federal formula funding will be level**
- **The States transportation bond bill will be an agenda item for the next general court**

Next Steps

- **The development of the finances for Paths to a Sustainable Region – 2035 is ongoing**
- **If it is assumed that a trend line of federal highway and transit funds are used as the basis then**

Next Steps

TABLE 12-1
ESTIMATED BOSTON REGION MPO REVENUE FROM EXISTING SOURCES
(DOLLARS IN MILLIONS)

EXISTING SOURCES	2010	2011–2015	2016–2020	2021–2025	2026–2030	TOTAL
STATEWIDE RESURFACING PROGRAM	\$27.81	\$132.40	\$163.69	\$233.52	\$286.61	\$844.04
STATEWIDE INFRASTRUCTURE PROGRAM	\$4.25	\$44.20	\$66.36	\$94.48	\$115.97	\$325.26
STATEWIDE BRIDGE PROGRAM	\$34.71	\$191.65	\$246.67	\$349.27	\$432.47	\$1,254.77
ACCELERATED BRIDGE PROGRAM	\$26.63	\$1,020.14	\$0	\$0	\$0	\$1,046.77
STATEWIDE MAINTENANCE PROGRAM	\$34.76	\$246.16	\$325.48	\$341.28	\$352.34	\$1,300.02
SPECIAL BRIDGE PROGRAM	\$29.10	\$0	\$0	\$0	\$0	\$29.10
TOTAL DEDICATED MAINTENANCE REVIEW	\$157.25	\$1,634.56	\$802.19	\$1,018.56	\$1,187.40	\$4,799.96
ARRA PROJECTS	\$140	\$0	\$0	\$0	\$0	\$140.00
ESTIMATED NON-MPO FUNDED REGIONAL MAJOR INFRASTRUCTURE PROJECTS	\$0	\$37.81	\$112.14	\$161.13	\$197.65	\$508.73
RTP SHARE OF MPO DISCRETIONARY CAPITAL PROGRAM	\$56.72	\$293.70	\$377.28	\$538.41	\$661.31	\$1,927.42
TOTAL AVAILABLE REVENUE FOR BOSTON REGION MAJOR INFRASTRUCTURE, EXPANSION AND FLEX FUNDING	\$196.72	\$331.51	\$489.42	\$699.54	\$858.96	\$2,576.15
TOTAL ESTIMATED BOSTON REGION REVENUE FROM EXISTING SOURCES	\$353.97	\$1,966.07	\$1,291.61	\$1,718.10	\$2,046.35	\$7,376.11



Next Steps

TABLE 12-4
PROJECTED OPERATIONS AND MAINTENANCE COSTS OF THE MBTA TRANSIT SYSTEM
 (DOLLARS IN MILLIONS)

OPERATIONS: SOURCES AND USES OF FUNDS	FEDERAL FISCAL YEAR(S)					
	2010	2011-2015	2016-2020	2021- 2025	2026- 2030	TOTAL
REVENUES:						
SALES TAX	\$767	\$4,079	\$4,926	\$5,705	\$6,559	\$22,036
ADDITIONAL TAX REVENUE	\$160	\$851	\$1,028	\$1,190	\$1,368	\$4,597
LOCAL ASSESSMENTS	\$150	\$809	\$915	\$1,036	\$1,172	\$4,082
OPERATING REVENUE						
FARE REVENUE	\$526	\$2,718	\$3,029	\$3,329	\$3,533	\$13,135
ADDITIONAL FARE REVENUE	\$68	\$693	\$1,332	\$1,820	\$2,533	\$6,446
NON-FARE REVENUE	\$23	\$152	\$177	\$206	\$240	\$798
TOTAL REVENUES	\$1,694	\$9,302	\$11,408	\$13,286	\$15,404	\$51,094
OPERATING EXPENSES:						
OPERATING EXPENSES	(\$1,182)	(\$6,901)	(\$8,883)	(\$10,689)	(\$12,818)	(\$40,473)
PROJECTED SAVINGS FROM REFORM	\$0	\$200	\$200	\$200	\$200	\$800
TOTAL OPERATING EXPENSES	(\$1,182)	(\$6,701)	(\$8,683)	(\$10,489)	(\$12,618)	(\$39,673)
REMAINING AMOUNT FOR REV. BONDS	\$512	\$2,601	\$2,725	\$2,797	\$2,786	\$11,421
DEBT-SERVICE EXPENSE:						
PRIOR OBLIGATIONS (PRE-FORWARD FUNDING)						
BOND DEBT SERVICE	(\$169)	(\$684)	(\$172)	(\$105)	(\$92)	(\$1,223)
OPERATING LEASE PAYMENTS	(\$13)	(\$31)	\$0	\$0	\$0	(\$44)
SUBTOTAL OF PRIOR OBLIGATIONS	(\$182)	(\$715)	(\$172)	(\$105)	(\$92)	(\$1,266)
REVENUE BONDS (POST-FORWARD FUNDING)						
BOND DEBT SERVICE	(\$263)	(\$1,798)	(\$2,546)	(\$2,672)	(\$2,688)	(\$9,967)
SUBTOTAL OF REVENUE BONDS	(\$263)	(\$1,798)	(\$2,546)	(\$2,672)	(\$2,688)	(\$9,967)
LESS NET TOTAL DEBT SERVICE	(\$445)	(\$2,513)	(\$2,718)	(\$2,777)	(\$2,780)	(\$11,233)
OPERATING SURPLUS/(DEFICIT)	\$67	\$89	\$7	\$20	\$6	\$188
LESS DEFICIENCY FUND CONTRIBUTION	\$0	\$0	\$0	\$0	\$0	\$0
LESS CAPITAL MAINTENANCE FUND CONTRIBUTION	\$0	\$0	\$0	\$0	\$0	\$0
LESS SEC. 20 SURPLUS REQUIREMENT STABILIZATION FUND	(\$5)	(\$24)	(\$29)	(\$34)	(\$39)	(\$131)

Next Steps

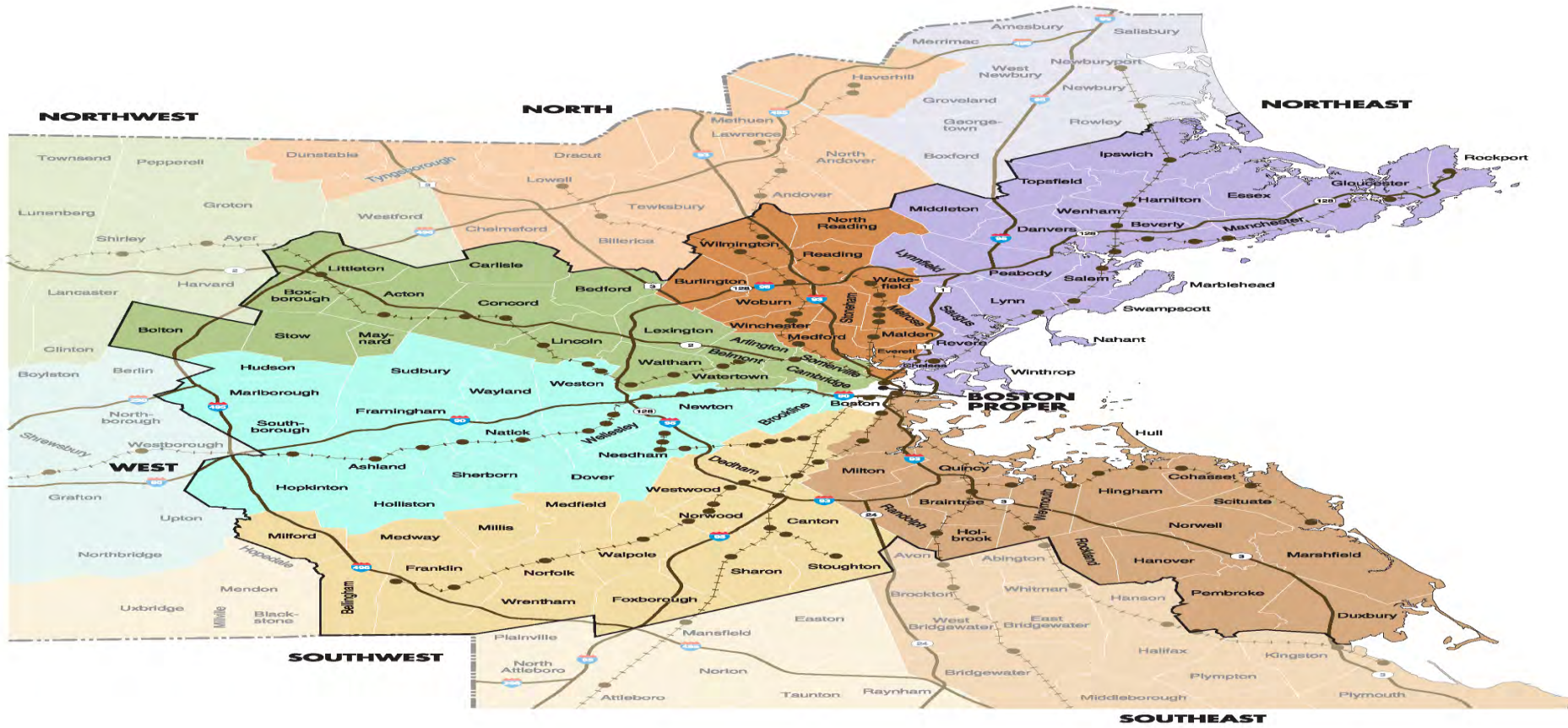
TABLE 12-5
PROJECTIONS OF AVAILABLE CAPITAL FUNDS

FUNDING SOURCE	2010	2011-2015	2016-2020	2021-2025	2026-2030	TOTAL
NON-FEDERAL CAPITAL FUNDS						
MBTA REVENUE BONDS	\$291,000,000	\$1,272,000,000	\$1,675,000,000	\$1,675,000,000	\$1,675,000,000	\$6,588,000,000
PAYGO	\$0	\$0	\$0	\$25,000,000	\$140,000,000	\$165,000,000
TOTAL NON-FEDERAL SOURCES	\$291,000,000	\$1,272,000,000	\$1,675,000,000	\$1,700,000,000	\$1,815,000,000	\$6,753,000,000
FEDERAL FUNDS						
SECTION 5307	\$134,000,000	\$684,000,000	\$778,000,000	\$966,000,000	\$1,096,000,000	\$3,658,000,000
SECTION 5309 (RAIL)	\$72,000,000	\$437,000,000	\$519,000,000	\$563,000,000	\$623,000,000	\$2,213,000,000
SECTION 5309 (BUS)	\$53,000,000	\$304,000,000	\$0	\$0	\$0	\$357,000,000
ARRA FUNDING	\$99,000,000	\$131,000,000	\$0	\$0	\$0	\$230,000,000
TOTAL FEDERAL FUNDS	\$359,000,000	\$1,556,000,000	\$1,296,000,000	\$1,529,000,000	\$1,718,000,000	\$6,459,000,000
TOTAL FUNDING	\$650,000,000	\$2,827,000,000	\$2,971,000,000	\$3,230,000,000	\$3,534,000,000	\$13,212,000,000

Next Steps

- **MPO Staff are working on a needs analysis of the radial and circumferential corridors in the Boston Region**

Radial Corridors within the Boston Region MPO Area



6-8-2010



Next Steps

Outreach is ongoing over the next year, please check our website for information

http://www.bostonmpo.org/bostonmpo/3_programs/1_transportation_plan/plan_2035.html

Thank you!