

# Development of the FFYs 2013–2016 TIP Staff Recommendation



April 11, 2012

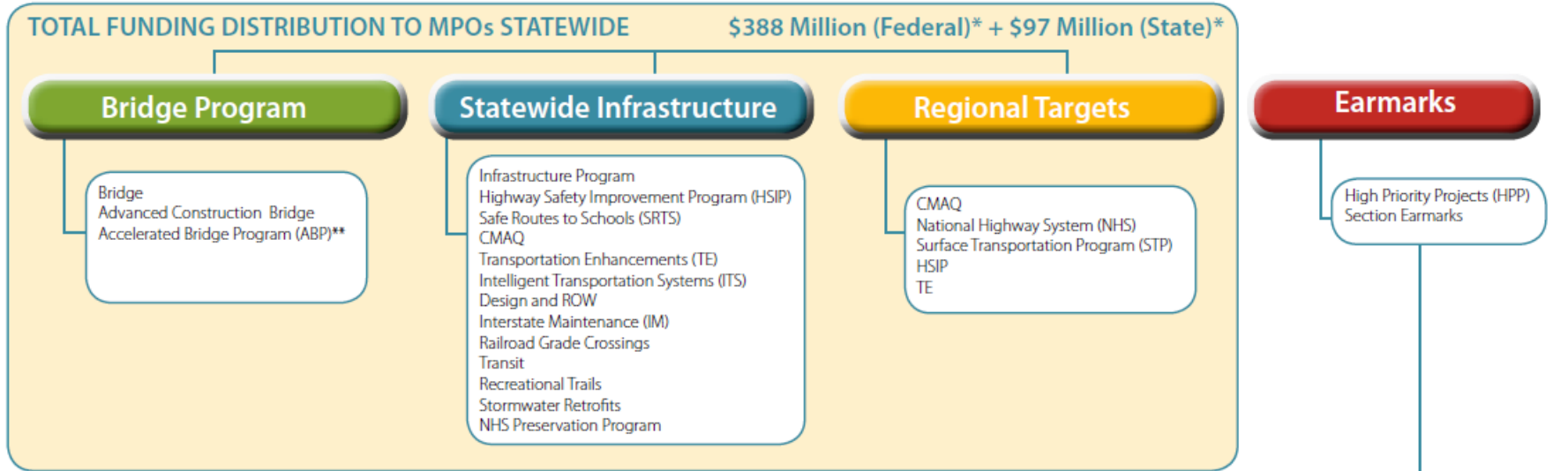


**Boston Region Metropolitan Planning Organization**

TYPICAL FEDERAL HIGHWAY PROGRAM \$560 Million\*



CENTRAL ARTERY/TUNNEL OBLIGATION AUTHORITY \$172 Million\*

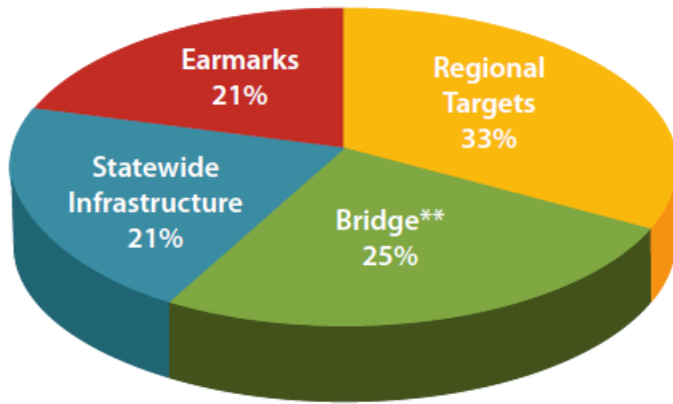


BOSTON REGION MPO SHARE (Federal and State)

\$182 Million\*

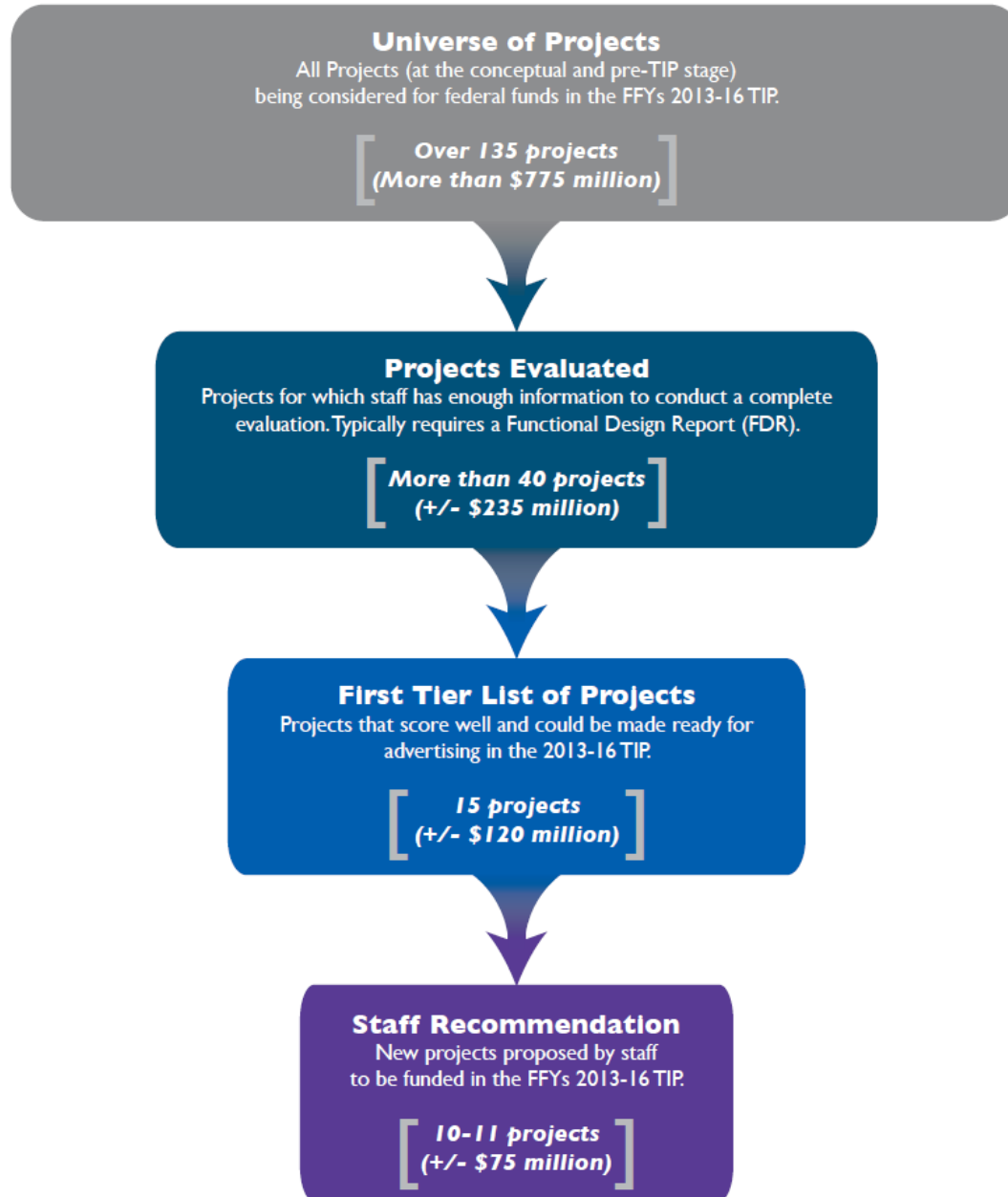
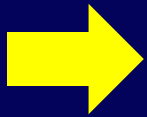


Boston Region MPO Highway Program Funding



\* Amounts based on average of FFYs 2008-2011 funding. Does not include redistribution or stimulus funds.  
 \*\* Accelerated Bridge Program – Federal Aid GANs project not included in MPO Bridge share. GANs payments will begin in 2015.

# 2012 TIP Project Selection Process



# 2012 Universe of Projects - Project Evaluations

ID	Municipality	Project Name	Community Priority	Subregional Priority	Transportation Plan	Estimated Cost	Design Status	153 TOTAL POINTS POSSIBLE:	Maintenance, Modernization and Efficiency	Livability and Economic Benefit	Mobility	Environment and Climate Change	Environmental Justice	Safety and Security
									Rating (36 Total Points Possible):	Rating (28 Total Points Possible):	Rating (25 Total Points Possible):	Rating (25 Total Points Possible):	Rating (10 Total Points Possible):	Rating (29 Total Points Possible):
606284	Boston	Improvements to Commonwealth Avenue, From Armory Street to Alcorn Street	0	N		\$11,507,814	25% received	93	28	15	12	11	8	19
606320	Boston	Reconstruction of Causeway Street (Pedestrian & Bicycle Improvements)	0	N		\$12,075,000	25% received	93	32	17	12	12	6	14
604687	Arlington	Reconstruction of Massachusetts Avenue, From Pond Lane to the Cambridge City Line	1	N		\$5,548,148	75% received	81	30	16	12	9	0	14
600220	Beverly	Reconstruction & Signal Improvements on Rantoul Street (Route 1A) From Cabot Street (South) to Cabot Street (North)	1	N		\$15,143,095	25% received	81	28	11	15	9	0	18
605110	Brookline	Intersection & Signal Improvements at Route 9 & Village Square (Gateway East)	1	N		\$4,970,387	25% received	79	30	12	12	15	0	10
605146	Salem	Reconstruction on Canal Street, From Washington Street & Mill Street to Loding Avenue & Jefferson Avenue	1	N		\$6,059,201	25% received	78	22	11	12	14	0	19
29492	Bedford, Billerica, Burlington	Middlesex Turnpike Improvements, From Crosby Drive North to Manning Road, Phase III	1	Y		\$18,800,000	pre-25/75%	77	28	8	15	14	0	12
602094	Lynn	Reconstruction of Route 129 (Broadway), From Lynnfield Street to Chestnut Street	3	N		\$5,421,560	25% received	77	28	8	11	10	0	20
605034	Natick	Reconstruction of Route 27 (North Main Street), From North Avenue to the Wayland Town Line	1	N		\$12,987,353	25% received	75	22	13	14	9	0	17
605189	Concord	Ernie Freeman Rail Trail, Phase 2C	1	Y		\$5,532,584	25% approved	74	24	13	10	14	0	13
604935	Woburn	Reconstruction of Montvale Avenue, From I-93 Interchange to Central Street	2	Y		\$3,403,538	PRC approved	74	26	11	9	11	0	17
601553	Melrose	Intersection & Signal Improvement to Lebanon Street, From Lynde Street to Main Street	1	N		\$4,242,472	100% received	73	26	11	13	8	0	15
605729	Quincy	Intersection & Signal Improvements at Hancock Street & East/West Squantum Streets	1	N		\$3,242,040	75% received	73	24	11	10	11	0	17
604532	Acton, Carlisle, Westford	Ernie Freeman Rail Trail, Phase 2A	2	Y		\$8,992,520	25% approved	72	24	13	8	14	0	13
601825	Danvers	Reconstruction of Liberty Street, From Route 128 to Water/High Street Intersection	1	N		\$6,560,612	100% received	71	30	11	10	7	0	13
604652	Winchester, Stoneham, Woburn	Tra-Community Bikeway	1	N		\$5,019,517	25% approved	70	20	13	9	15	0	13
605657	Medway	Reconstruction on Route 109, From Holliston Street to 100 Feet West of Highland Street	1	N		\$9,987,731	25% received	69	28	12	10	8	0	11
601704	Newton	Reconstruction & Signal Improvements on Walnut Street, From Homer Street to Route 9	1	N		\$3,815,600	25% received	69	24	14	8	11	0	12
602077	Lynn	Reconstruction on Route 129 (Lynnfield Street), From Great Woods Road to Wyoma Square	2	N		\$3,502,941	25% received	68	20	8	11	10	0	19
604531	Acton, Maynard	Assabet River Rail Trail	1	Y		\$7,300,000	25% received	67	16	13	10	15	0	13
605188	Cambridge	Common Improvements at Waterhouse Street, Mass Ave & Garden Street (Construction)	1	N		\$2,757,817	75% received	66	20	16	10	6	0	14
604810	Marlborough	Reconstruction of Route 85 (Maple Street)	2	N		\$4,798,560	25% received	66	16	12	10	12	0	16
604231	Marlborough	Intersection & Signal Improvements on Route 20 (East Main Street/Boston Post Road) at Concord Road	4	N		\$1,706,600	25% received	65	24	8	16	7	0	10
604989	Southborough	Reconstruction of Main Street (Route 30), From Sears Road to Park Street	1	N		\$4,000,000	25% received	64	22	12	12	4	0	14



# 2012 TIP Project Selection Process

## Universe of Projects

All Projects (at the conceptual and pre-TIP stage) being considered for federal funds in the FFYs 2013-16 TIP.

[ *Over 135 projects*  
(*More than \$775 million*) ]

## Projects Evaluated

Projects for which staff has enough information to conduct a complete evaluation. Typically requires a Functional Design Report (FDR).

[ *More than 40 projects*  
(*+/- \$235 million*) ]

## First Tier List of Projects

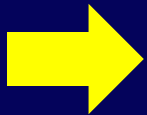
Projects that score well and could be made ready for advertising in the 2013-16 TIP.

[ *15 projects*  
(*+/- \$120 million*) ]

## Staff Recommendation

New projects proposed by staff to be funded in the FFYs 2013-16 TIP.

[ *10-11 projects*  
(*+/- \$75 million*) ]



## SUBCATEGORY

## CATEGORY

<ul style="list-style-type: none"><li>• Improves substandard pavement</li><li>• Improves substandard signal equipment condition</li><li>• Improves traffic signal operations</li><li>• In a Congestion Management Process identified area</li><li>• Improves intermodal accommodations/connections to transit</li><li>• Implements ITS strategies other than traffic signal operations</li></ul>	→ <b>Maintenance, Modernization and Efficiency</b> →	36
<ul style="list-style-type: none"><li>• Design is consistent with complete streets policies</li><li>• Provides multimodal access to an activity center</li><li>• Reduces auto dependency</li><li>• Project serves a targeted redevelopment site</li><li>• Provides for development consistent with the goals of MetroFuture</li><li>• Improves the Quality of Life</li></ul>	→ <b>Livability and Economic Benefit</b> →	28
<ul style="list-style-type: none"><li>• Existing peak hour Level of Service (LOS)</li><li>• Improves an MPO or State identified freight movement issue</li><li>• Improves proponent identified primary mobility issue</li><li>• Improves MPO identified mobility issue</li><li>• Project reduces congestion</li><li>• Improves transit reliability</li></ul>	→ <b>Mobility</b> →	25
<ul style="list-style-type: none"><li>• Air quality (improves/degrades)</li><li>• CO2 reduction</li><li>• Project is in an EOEEA certified Green Community</li><li>• Project reduces VMT/VHT</li><li>• Improves identified environmental impact</li></ul>	→ <b>Environment and Climate Change</b> →	25
<ul style="list-style-type: none"><li>• Improves transit for an EJ population</li><li>• Design is consistent with complete streets policies in an EJ area</li><li>• Improves an MPO identified EJ transportation issue</li></ul>	→ <b>Environmental Justice</b> →	10
<ul style="list-style-type: none"><li>• Improves emergency response</li><li>• Improves ability to respond to extreme conditions</li><li>• EPDO/Injury Value</li><li>• Improves proponent identified primary safety need</li><li>• Improves MPO identified primary safety issue</li><li>• Improves freight related safety issue</li><li>• Improves bicycle safety</li><li>• Improves pedestrian safety</li><li>• Improves safety or removes an at grade railroad crossing</li></ul>	→ <b>Safety and Security</b> →	29

Project Rating

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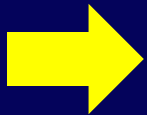
Projects that score well and could be made ready for advertising in the 2013-16 TIP.

[ *15 projects*  
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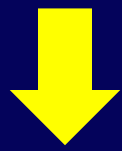
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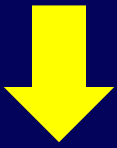
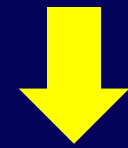
[ *10-11 projects*  
(*+/- \$75 million*) ]







# First Tier List of Projects



Project Number	Municipality(s)	Project Name	Estimated Project Cost	Project Evaluation Rank	Design Status
606284	Boston	Improvements to Commonwealth Avenue, From Armory Street to Alcorn Street	\$11,507,814	#1, 93 points	25% received
606320	Boston	Reconstruction of Causeway Street (Pedestrian & Bicycle Improvements)	\$12,075,000	#2, 93 points	25% received
600220	Beverly	Reconstruction & Signal Improvements on Rantoul Street (Route 1A) From Cabot Street (South) to Cabot Street (North)	\$15,143,094	#3, 81 points	25% received
605110	Brookline	Intersection & Signal Improvements at Route 9 & Village Square (Gateway East)	\$4,970,387	#5, 79 points	25% received
605146	Salem	Reconstruction on Canal Street, From Washington Street & Mill Street to Loring Avenue & Jefferson Avenue	\$6,059,201	#6, 78 points	25% received
29492	Bedford, Billerica, Burlington	Middlesex Turnpike Improvements, From Crosby Drive North to Manning Road, Phase III	\$18,800,000	#8, 77 points	pre-25%/75%
605034	Natick	Reconstruction of Route 27 (North Main Street), From North Avenue to the Wayland Town Line	\$12,987,353	#9, 75 points	25% received
601553	Melrose	Intersection & Signal Improvement to Lebanon Street, From Lynde Street to Main Street	\$4,242,472	#11, 73 points	100% received
605729	Quincy	Intersection & Signal Improvements at Hancock Street & East/West Squantum Streets	\$3,242,040	#12, 73 points	75% received
601825	Danvers	Reconstruction of Liberty Street, From Route 128 to Water/High Street Intersection	\$6,560,612	#14, 71 points	100% received
604652	Winchester, Stoneham, Woburn	Tri-Community Bikeway	\$5,019,517	#15, 70 points	25% approved
605657	Medway	Reconstruction on Route 109, From Holliston Street to 100 Feet West of Highland Street	\$9,987,731	#17, 69 points	25% received
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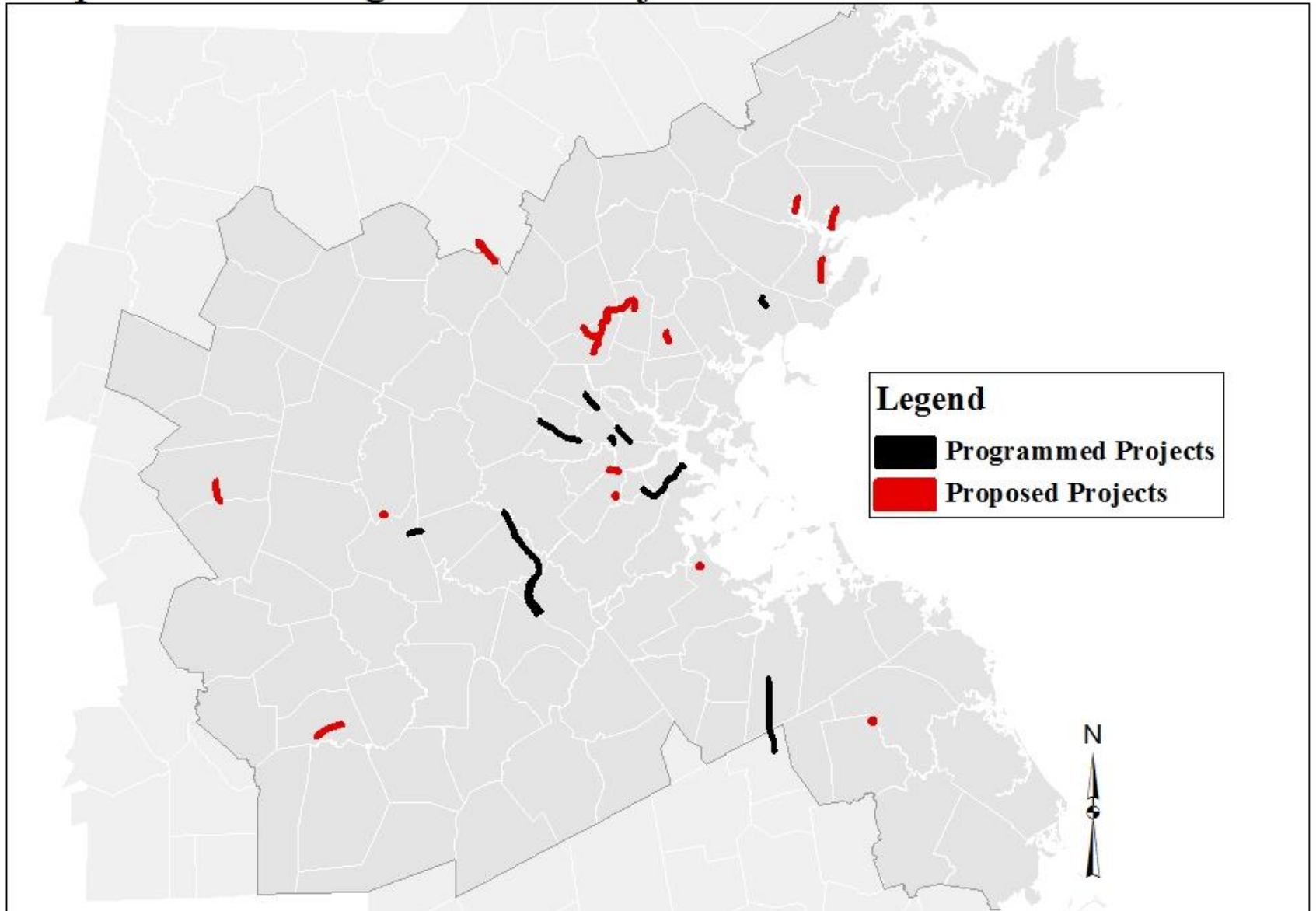
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## Projects Included in Staff Recommendation outside the First Tier List of Projects

604810	Marlborough	Reconstruction of Route 85 (Maple Street)	\$4,798,560	#21, 66 points	25% received
602602	Hanover	Reconstruction of Washington Street (Route 53) and Related Work From the Route 3 Northbound Ramp to Webster Street (Route 123)	\$1,100,000	#32, 54 points	25% received

# Proposed and Programmed Projects



Data Sources: CTPS



# Project Type Comparison

## Average Annual Programming by Project Type

