

## Mobility2040 Potential Actions

- **Route 20 Charlton/Oxford** – move to earlier funding band
  - Currently listed as two projects
    - Auburn/Oxford 2021-2025
    - Oxford/Charlton 2026-2030
  - Will be listed as one project:
    - 2016-2020 band - \$5,624,320; Statewide funding
    - 2021-2025 band - \$11,386,727; STP target funding
    - 2021-2025 band - \$39,922,592; Statewide funding
  
- **I-90/Route 495** – add onto LRTP (for information only) into 2021-2025 band; cost will be fully reflected in the Boston Region LRTP at \$270M

**Table VI-3: Major Infrastructure Projects  
Highway Projects**

Recommended Implementation Schedule	Project Name	Project Scope	Project Cost (in Millions)
<del>2016-2020</del>	<del>Route 9 – West Brookfield</del>	<del>2.1 mile segment of rural highway requires widening by 10' to address safety and accommodate bicycles and pedestrians</del>	<del>\$12.17</del>
2016-2020	Rte 20 Oxford (Rte 20/12 to Richardson's corner)	Rte 20 modernization with median barrier and intersection improvements Charlton/Oxford	\$5.62
2021-2025	Rte 9 Improvements from Rte 9/I-495 interchange to Rte 9/Crystal Pond Road intersection	Enhance safety and capacity improvements along Rte 9	\$11.40
	<del>Rte 20 Oxford (Rte 20/12 to Rte 20/56 intersection)</del> to Richardson's corner)	Rte 20 modernization with median barrier and intersection improvements Charlton/Oxford	<del>\$23.00</del> \$51.31
	I-90 (MassPike)/I-495 Interchange	Major Interstate Interchange reconstruction follows removal of toll Barriers	\$270.00
<del>2026-2030</del>	<del>Rte 20 Oxford/Charlton (West of Rte 20/56 to Richardson's corner)</del>	<del>Rte 20 modernization with median barrier and intersection improvements Charlton/Oxford</del>	<del>\$24.00</del>
2031-2035	I-290/Vernon St/Kelly Square Bridge Expansion - Worcester	Reconstruction & widening of Vernon Street (Route 122A) bridge over I-290 and related ramp work	\$23.84
2036-2040	Route 146/20/MassPike Interchange - Millbury	Observed congestion causes operational issues. Investigate improved signals and interchange roadways.	\$29.00

Project/Category	Expected Cost 2016-2020	Expected Cost 2021-2025	Expected Cost 2026-2030	Expected Cost 2031-2035	Expected Cost 2036-2040
<b>Major Infrastructure</b>					
Rte 20 Oxford (Rte 20/12 to Richardson's corner)*	\$5,624,320				
Rte 9 Improvements from Rte 9/I-495 interchange to Rte 9/Crystal Pond Road intersection		\$11,400,000			
Rte 20 Oxford (Rte 20/12 to Richardson's corner)		\$11,386,727			
Rte 20 Oxford (Rte 20/12 to Richardson's corner)*		\$39,922,592			
I-90 (MassPike)/I-495 Interchange**		\$0			
I-290/Vernon St/Kelly Square Bridge Expansion - Worcester				\$23,840,000	
Route 146/20/MassPike Interchange - Millbury					\$29,000,000
<b>Total Major Infrastructure Cost</b>	<b>\$0</b>	<b>\$22,786,727</b>	<b>\$0</b>	<b>\$23,840,000</b>	<b>\$29,000,000</b>
Expected Available Funding from Table VI-1	\$89,323,365	\$94,019,700	\$117,487,402	\$133,034,066	\$143,315,472
Available Funding for Operations and Maintenance (O&M)	\$89,323,365	\$71,232,973	\$117,487,402	\$109,194,066	\$114,315,472
<b>Operations &amp; Maintenance (O&amp;M)</b>					
Infrastructure Maintenance (60%)	\$50,219,427	\$42,739,784	\$70,492,441	\$65,516,440	\$68,589,283
Congestion (12%)	\$10,043,885	\$8,547,957	\$14,098,488	\$13,103,288	\$13,717,857
Safety (10%)	\$8,369,905	\$7,123,297	\$11,748,740	\$10,919,407	\$11,431,547
Bicycle Accomodations (3%)	\$2,510,971	\$2,136,989	\$3,524,622	\$3,275,822	\$3,429,464
Pedestrian Accomodations (3%)	\$2,510,971	\$2,136,989	\$3,524,622	\$3,275,822	\$3,429,464
Technology (3%)	\$2,510,971	\$2,136,989	\$3,524,622	\$3,275,822	\$3,429,464
Transit Support (3%)	\$2,510,971	\$2,136,989	\$3,524,622	\$3,275,822	\$3,429,464
Passenger Rail Improvements (3%)	\$2,510,971	\$2,136,989	\$3,524,622	\$3,275,822	\$3,429,464
Freight Improvements (3%)	\$2,510,971	\$2,136,989	\$3,524,622	\$3,275,822	\$3,429,464
<b>Total Operations and Maintenance (O&amp;M) Cost</b>	<b>\$83,699,045</b>	<b>\$71,232,973</b>	<b>\$117,487,402</b>	<b>\$109,194,066</b>	<b>\$114,315,472</b>
<b>Total Expenditure Major Infrastructure + Operations &amp; Maintenance</b>	<b>\$89,323,365</b>	<b>\$133,942,292</b>	<b>\$117,487,402</b>	<b>\$133,034,066</b>	<b>\$143,315,472</b>
<b>Expected Available Funding from Table VI-1</b>	<b>\$89,323,365</b>	<b>\$94,019,700</b>	<b>\$117,487,402</b>	<b>\$133,034,066</b>	<b>\$143,315,472</b>

\* - State funding sources listed in the 2017-2021 Capital Improvement Plan

\*\* - State funding sources, the total cost of the project listed in the Boston MPO's LRTP