

Highway Administrator's Report

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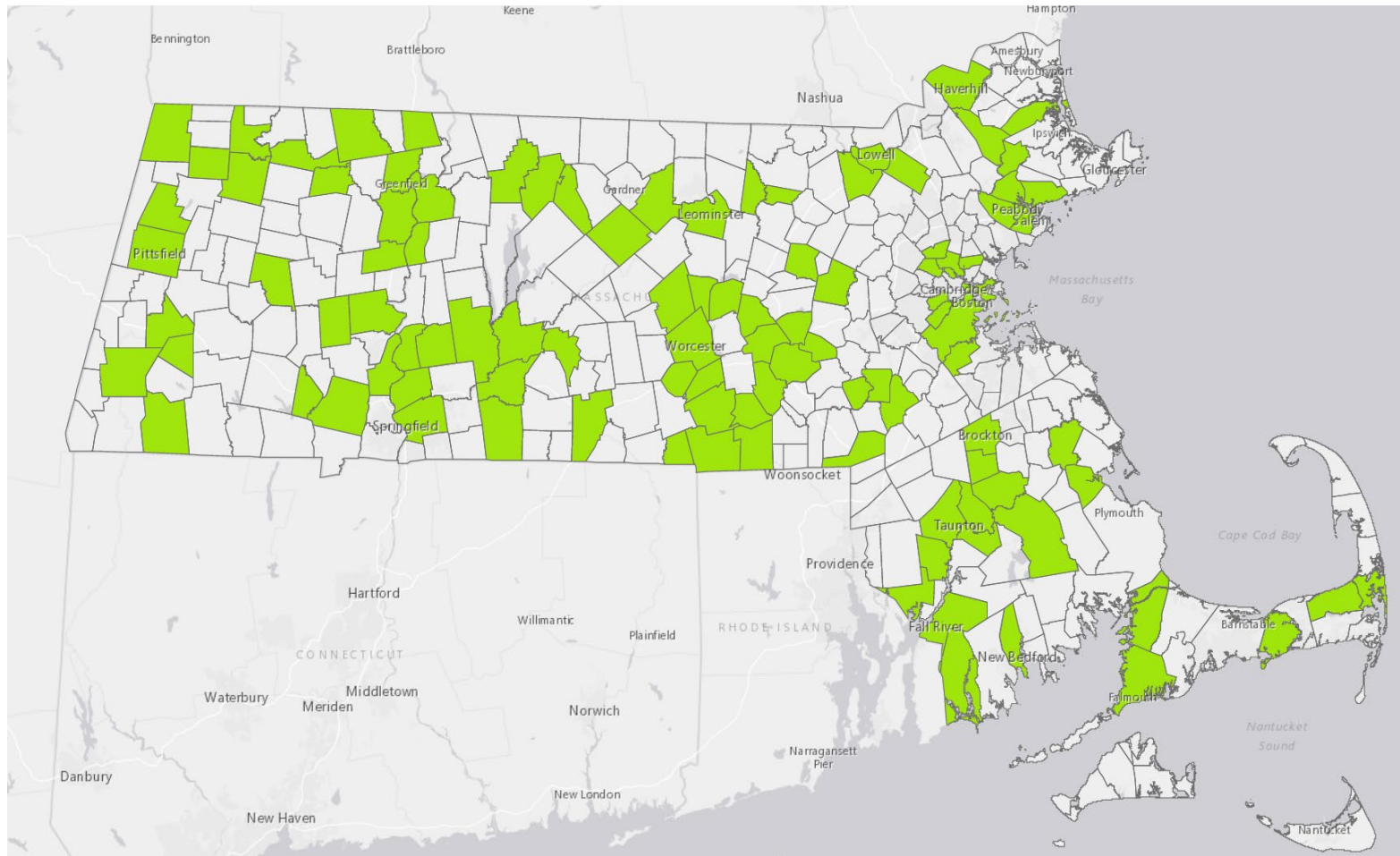
October 2020

Project Development 2020 By The Numbers



- Advertised 203 Projects with a total estimated contract value of \$1.1 Billion
- Delivered 90% of the original 2020 STIP (72/80), exceeding 2020 target of 85%
- Nine additional federal aid projects advanced including:
 - Taunton Interchange (In support of SCR)
 - (2) Exit Renumbering Projects
 - Boston-Milton I93 Corridor Bridge Maintenance
- 334 design submittals received and reviewed by Highway Engineering, Environmental and ROW staff

Project Development Projects Advertised in 2020

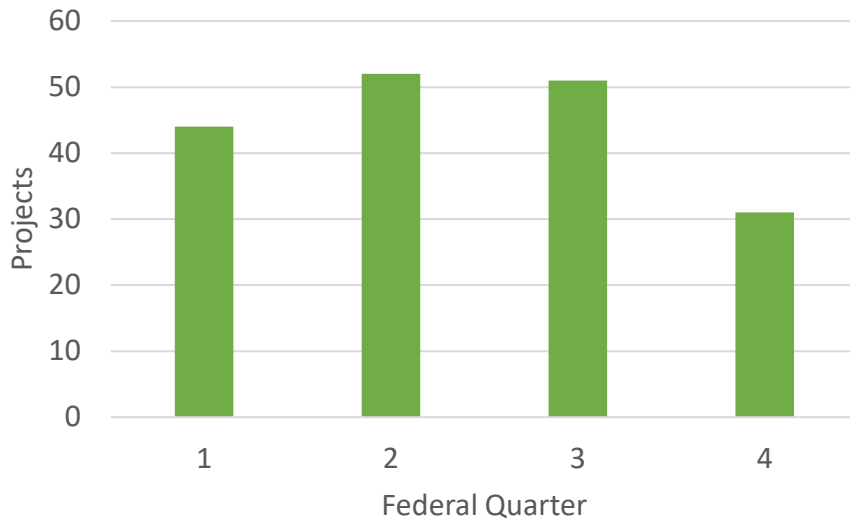


Site specific project advertisements in 102 cities/towns, along with a broad portfolio of maintenance projects to repair state-owned infrastructure across the state

Project Development Looking Towards 2021

For 2021 Key Performance indicators will be extended beyond the STIP to the entire program – 178 Total Projects /80 Federal Aid

2021 Proposed Advertising Quarterly Distribution -
Full Program



% of original plan advertised



% of original STIP advertised



Quarterly distribution: no quarter >35% -measured for full plan and STIP



On time advertisement: each project measured against planned adv. Date. On-time = within 30 days of planned date

Exit Renumbering

Construction Update:

- October 18, 2020 : Route 140
- Late-October to Early-November 2020 – I-195
- Mid-November : Route 25

Public Resources:

- MassDOT coordinating with mapping/GPS companies
- www.newmassexits.com
 - Project/Schedule Updates
 - Interactive Map



And The Winner Is.....

Longfellow Bridge to receive the Abba G. Lichtenstein Award

- Will be presented on October 21st at the International Bridge Conference
- In 2019, the IBC awarded the “Fanny” Appleton pedestrian bridge with the Arthur G. Hayden Award



Ashuwillticook Rail Trail

Cheshire, Lanesborough, and Adams

- \$3.24 million project to convert an old railroad track into 12.7 miles of new trail
- Northern portion opened on October 9th
- Southern portion opened on June 29th



10/20/2020

APPENDIX

Asset Management Slides

Asset Management Update



In July, FHWA conducted an annual consistency review and confirmed MassDOT has implemented the TAMP consistent with federal requirements

Review included a comparison of SFY 2020 bridge and pavement expenditures to TAMP financial plan forecasts, and a check-in on work plan items

Next plan update will occur in 2023

Highway Division has made significant progress on a comprehensive culvert management program

- 5600+ state-owned culverts located geo-spatially via record construction plans
- Initial Inspections performed along planned pavement resurfacing corridors
- Environmental Section has estimating structure vulnerability for the inventory based on stream flow and existing structure size

Current Pavement Conditions

	Desired Trend	Calendar Year	
		2018	2019
Interstate % Good	Up	83	88.3
Non-Interstate % Good	Up	61.5	67.2

Pavement Conditions on both interstate and non-interstate systems showed solid improvement in calendar year 2019

- Increased investment is beginning to manifest itself through improved non-interstate pavement condition, even while interstate condition continues to improve
- In SFY 2020, through increased funding within the CIP, Highway was able to preserve or rehabilitate state-owned non-interstate pavement on roadways in over 25 communities



Current Bridge Conditions

	Desired Trend	Calendar Year	
		2019	2020
Total Poor Count	Down	461	462
NHS Area Poor	Down	12.58	13 %

Bridge condition remained roughly the same in SFY 2020 within the key indicators of overall poor count and poor NHS Area

- 2019 TAMP forecasts a decline in both measures at current investment levels
- Massachusetts is 16th in the nation for highest % poor count, and 4th in the nation for highest poor area
- States in excess of 10% NHS poor area are required to commit a set portion of federal funds to NHS bridges, thus limiting flexibility
- Authorization of additional Grant Anticipation Notes (GANS) in the transportation bond bill (currently in conference committee) would support increased bridge investments



NHS Bridge Condition in practical terms

Total Area of NHS Bridges 29,523,128 SF = 512 Football Fields

MA Area in Poor Condition 68 Football Fields

MA 10% Poor Area Federal Threshold 51 Football Fields

Gap 17 Football Fields

Area currently in construction 12 Football Fields

Ave. Annual Growth of Poor Area 5 Football Fields / Year

Average NHS Bridge Size 1/3 Football Field



	Football Fields
Tobin Bridge	4.47
Chelsea Viaduct	2.60
Allston Viaduct	5.1

Authorization of additional Bridge Program funding in the transportation bond bill is necessary to achieve bridge condition targets