



Highway Division

FHWA TAMP Update

January 17, 2018

FHWA Transportation Asset Management Plan (TAMP)

- *Each State is required to develop a risk-based asset management plan for the National Highway System to Improve or preserve the condition of the assets and the performance of the system.* (23 U.S.C. 119(e)(1), MAP-21 § 1106)
- Promulgated by MAP-21 Transportation Funding Authorization Act (2012)
- Submission of Initial TAMP by April 30, 2018, followed by 90 day FHWA review/certification process
- Updates to TAMP required every 4 years
- Draft TAMP will be presented in March Meeting

TAMP Requirements

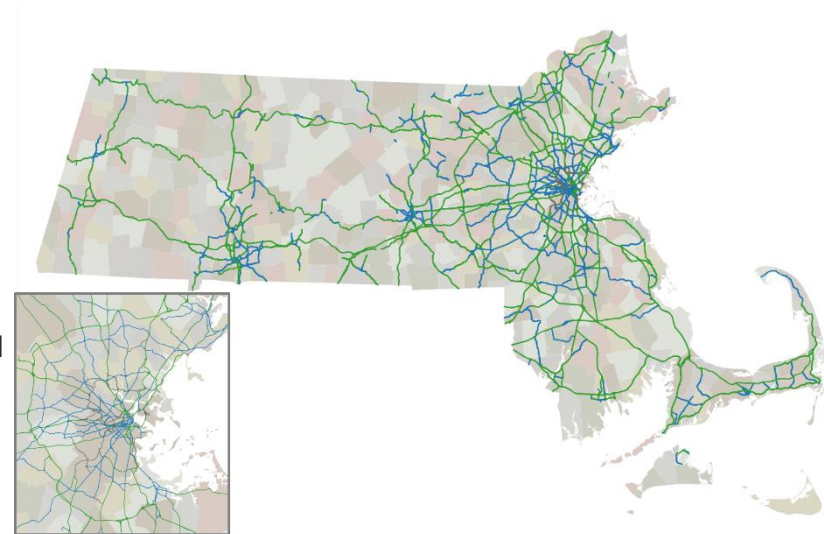
- NHS Inventory & Performance
 - › Summary of NHS Bridge and Pavement Assets (includes WT & MHS)
 - › Asset Performance - 10 year forecast
 - › Measures, Targets & Gaps
- Financial Plan
 - › Revenues
 - › Funding
 - › Funding levels historical & anticipated
 - › Asset Valuation
- Life Cycle Planning and Investment Strategy
 - › Data collection & Governance
 - › Treatment Selection
 - › Investment Decision Process
- Risk Management
 - › Asset Level Risk
 - › Program Level Risks

Highway Division TAMP Update

The National Highway System (NHS) constitutes a significant portion of Highway Division assets and capital outlay

Pavement

- The NHS constitutes 14% of state-wide lane mileage (9,730 In mi)
- 74% under MassDOT jurisdiction (7,160 In mi)
 - the entire Interstate System, and approximately 64% of DOT non-interstate lane-miles
- 24% under Municipal jurisdiction (2,350 In mi)
 - ¼ of Municipal NHS in Boston, Springfield, Worcester and Cambridge
- Remaining 220 lane miles DCR (200 In mi), MassPort, Federal
- MassDOT manages capital investment for state-owned portions of the NHS, collects condition data on entire system



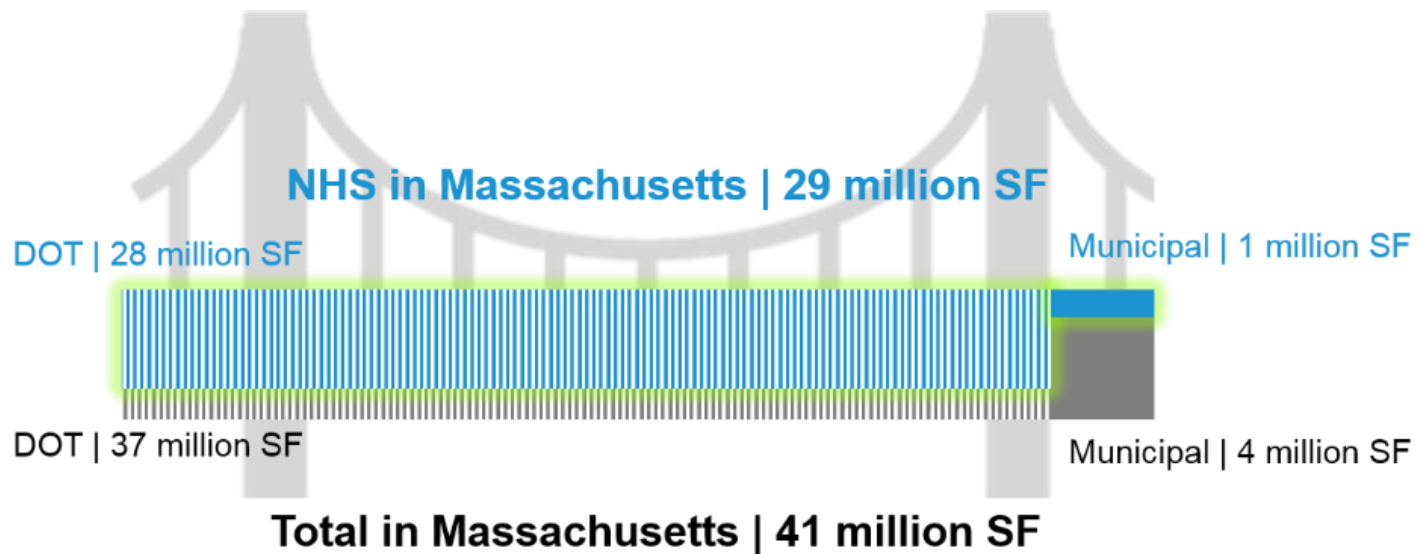
- Owned by MassDOT
- Owned by Municipalities
- Owned by Others (e.g., DCR, Massport, Federal)

Highway Division TAMP Update

The National Highway System (NHS) constitutes a significant portion of Highway Division assets and capital outlay

Bridge

- Highway Division manages capital investment for all NHS Bridges (DOT & MUN)
- NHS Bridges are on average 3 times larger than non-NHS structures
 - NHS constitutes 44% of Bridge Inventory by count, 70% by area



Measures & Targets

- State targets (2 & 4 Year) for NHS bridges and pavement measures are required by MAP-21 to be established by May 20, 2018, and will be identified in the TAMP
 - Pavement Measures
 - Interstate
 - › % Good
 - › % Poor
 - Non-Interstate
 - › % Good
 - › % Poor
 - Bridge Measures
 - › % Good by area
 - › % Poor by area

Note: Poor equivalent to structurally deficient
- Will match targets and measures in 2018 Tracker
 - *Note: Tracker currently reports these measures with the exceptions of Bridge “good” measure and a near equivalency between MassDOT non-interstate system vs. NHS non-interstate system.*