
2018 Update

Performance and Asset Management Advisory Council

November 14, 2018

Patricia Leavenworth, P.E. | Chair, PAMAC

The PAMAC Report

- Council membership includes MassDOT board members, MPO representatives, industry, municipal government (MMA)
- **New for 2018:**
 - Tunnel and culvert inspections
 - MBTA inventory and condition data
 - Rail asset management



2018 Update | Highway TAMP

- FHWA certification of Initial TAMP on July 31st, 2018
 - Compliant TAMP update due June 30th, 2019
 - NHS asset summary (bridges and pavement)
 - TAM objectives and measures
 - Lifecycle planning and risk management analysis
 - “Section 667” analysis of facilities requiring repeated repair due to emergency events
 - Financial plan
 - Investment strategies
 - Long term objectives for state of repair to supplement 2 & 4 year targets

2018 Update | Highway Tunnels

- MassDOT classifies 7 structures as “tunnels”

- Sumner/Callahan
- Prudential
- CANA (City Square)
- Ted Williams
- I-90 Connector
- Tip O'Neill (I-93)

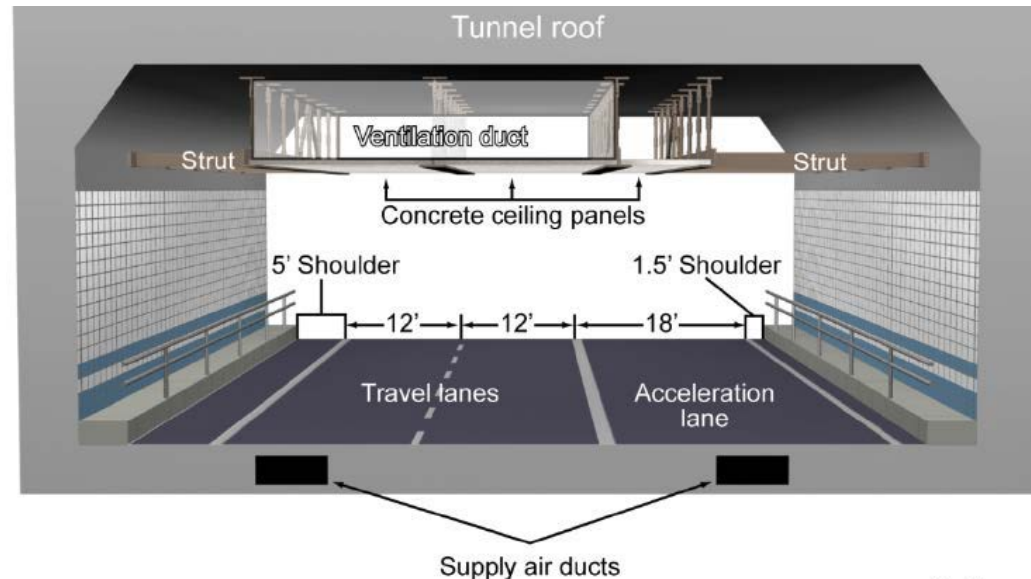
- 44 sections controlled by several owners

- MassDOT, Massport, MBTA
- MCCA
- Boston Properties (Pru) and Simon/Copley

- Federal NTIS inspection standards

- Element-level inspections in March 2018
- Biannual inspections thereafter
- Structural elements (see below) and non-structural (alarms, cameras, fire suppression, ventilation fans, etc.)

- Consultant Finalizing MHS Triennial Inspection



2018 Update | Culvert Inventory



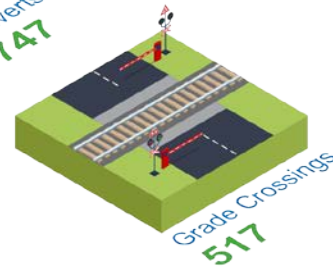
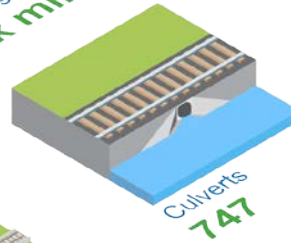
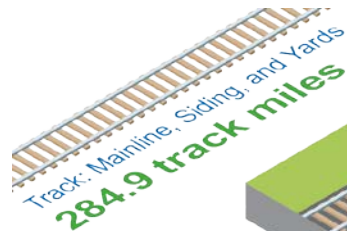
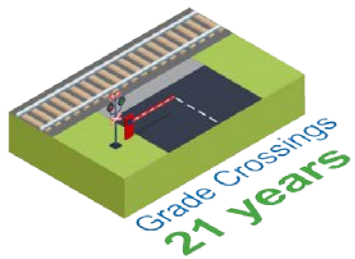
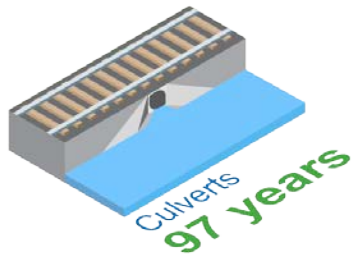
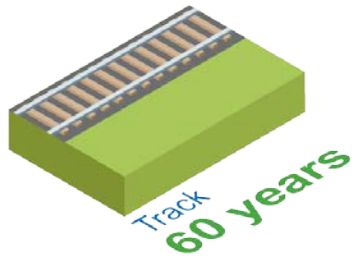
- MBTA TAM Plan complete October 1st, 2018
 - “Focus on Asset Management” as a core principle
 - Inventory, condition, performance tracking
- FTA Performance Metrics
 - 30% of revenue vehicles have exceeded useful life
 - 20% of service vehicles have exceeded useful life
 - 2% of track segments have speed restrictions
 - Station and facility metrics are being explored

2018 Update | Aeronautics

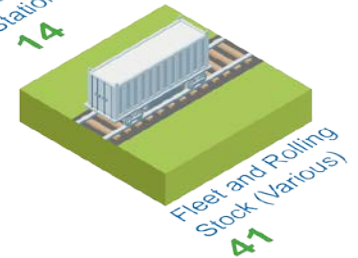
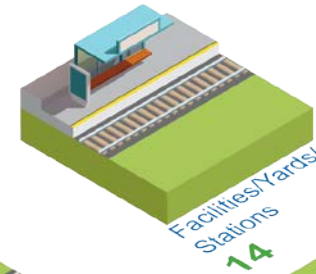
- Average PCI for runways = 68 in 2018
 - Update scheduled for 2020, with interim update (based on work) in 2019



AVERAGE AGE



INVENTORY



- Asset Management Assessment
 - Completed August, 2018
 - Inventory, age, and condition
 - GIS inventory system is in pipeline