
2018 Update

Performance and Asset Management Advisory Council

November 19, 2018

Patricia Leavenworth, P.E. | Chair, PAMAC

The PAMAC Report

- Council membership includes MassDOT board members, Metropolitan Planning Organization (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

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

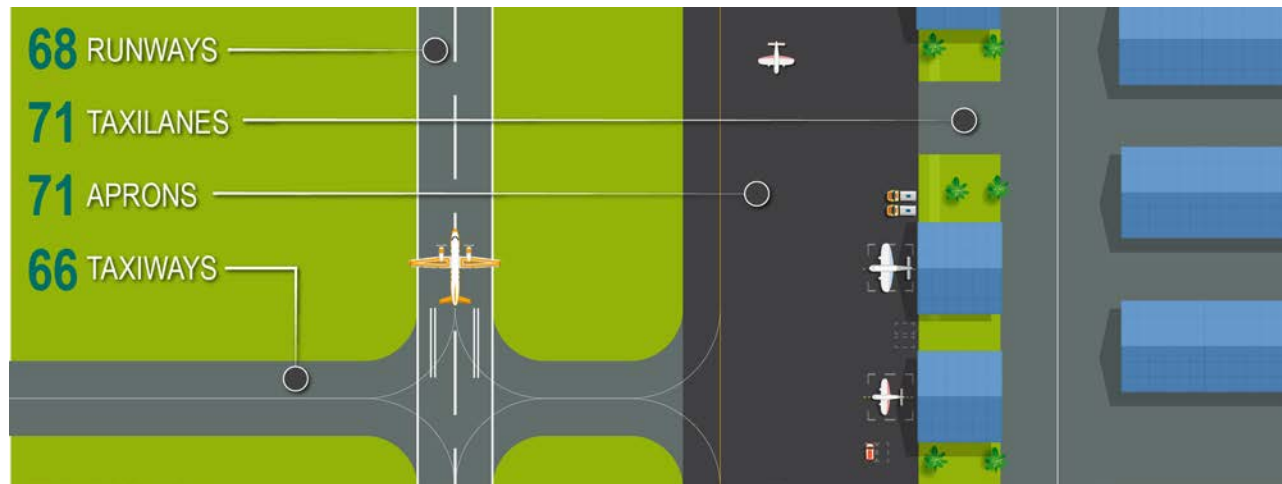
2018 Update | Culvert Inventory



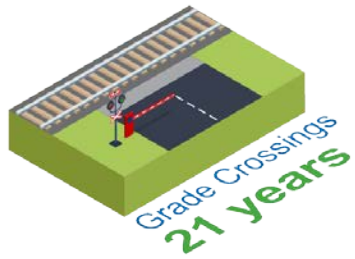
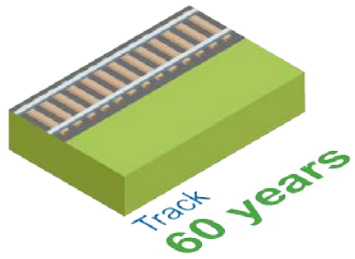
- MBTA TAM Plan complete October 1, 2018
 - “Focus on Asset Management” as a core principle
 - Inventory, condition, performance tracking
- Federal Transit Authority (FTA) Performance Metrics
 - 30% of revenue vehicles have exceeded useful life
 - 20% of service vehicles have exceeded useful life
 -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

2018 Update | Aeronautics

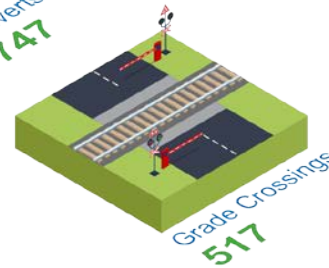
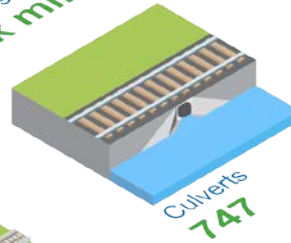
- Average Pavement Condition Index (PCI) for runways = 68 in 2018
 - Update scheduled for 2020, with interim update (based on work) in 2019



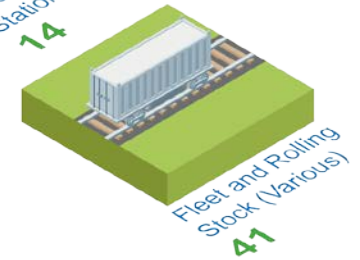
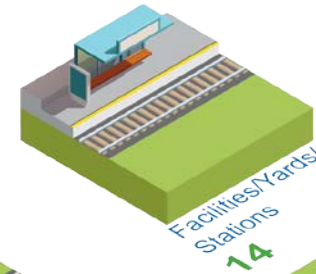
AVERAGE AGE



Track: Mainline, Siding, and Yards
284.9 track miles



INVENTORY



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