

# Aeronautics Report

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# Airport Pavement Management System (APMS) Update

Project provides public use airport with detailed analysis of pavement assets

- Pavement study included inspections, data & cost analysis, scenario-planning, and a fully accessible web portal for data visualization
- Pavement Condition Index (PCI) versus Pavement Condition rating (PCR)
- Project includes data maintenance over the next two (2) years prior to the next data collection cycle



# Airport Inspections Augmented by Unmanned Aerial Vehicles

Unmanned Aerial Vehicles (UAV) also known as drones are enhancing the safety of inspections

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- Aeronautics conducts annual FAA safety inspections for the Commonwealth's 34 public use airports
- UAVs with high-resolution cameras, thermal sensors (IR), and LiDAR (Laser) have been introduced providing more accurate aerial information
- Flying approach paths using LIDAR provides a 3D image of obstructions for vegetation management

# Aeronautics Joins Panel on Advanced Air Mobility (AAM)

Law students at Boston College briefed on emerging technologies in aviation

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- Boston College Rappaport Center held a panel on “Flying Cars, Drones, & the Future of Law,” focused on airspace, privacy, security, and autonomy
- Joined by senior leaders bringing a strong mix of industry, legal, and policy perspectives.
- Highlighted Massachusetts leadership in AAM, and ongoing efforts to advance infrastructure, operations, and policy readiness
- Engaged law students, helping build awareness of emerging transportation law pathways and supporting long-term workforce development in aviation and AAM



Thank You

