

## Board Report:

**FAA Runway Safety Summit, Association of Unmanned Vehicle Systems International (AUVSI) Conference, Massachusetts Airport Management Association Conference, Statewide Aviation Education Update and FAA NER “Droning On” Stem Event, Brunswick ME**

November 16, 2022

*Presented to:*

■ Board of Directors

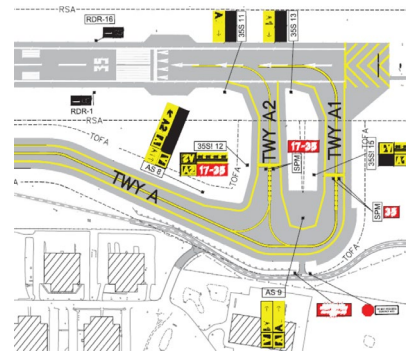
*Presented by:*

■ Aeronautics Division

➤ Dr. Jeff DeCarlo

# FAA New England Region Runway Safety Summit

- The 2022 FAA New England Region Runway Safety Summit was organized by the Massachusetts Port Authority and held in Worcester, Massachusetts on October 27, 2022
- The focus of the summit was to discuss methods to promote the safe operation of aircraft and ground vehicles on airports in and around runway environments
- The summit provided an outlet for leaders from regional airports, State DOTs, and the FAA to share best safety practices as well as lessons learned from previous safety infractions
- Owen Silbaugh, Director of Airport Engineering, presented data from the recently completed Statewide Pavement Maintenance Project, and shared the organization's best practices for the removal and application of airfield markings, including environmental concerns on contaminants in the wash water



**Manchester-Boston Regional Airport Taxiway A1 & A2 “Hot Spot” Reconfiguration.**



**Marshfield Municipal Airport – George Harlow Field  
Runway Numeral Markings (2022 Statewide  
Pavement Maintenance Project)**

# Association of Unmanned Vehicle Systems International (AUVSI) Conference



- Annual AUVSI Unmanned Aircraft Systems (UAS) & Advanced Air Mobility (AAM) Summit took place at Northeastern University's Burlington KRI Innovation Campus October 26<sup>th</sup>-27<sup>th</sup>, 2022
- Co-hosted by AUVSI New England, National Defense Industrial Association (NDIA), and MassAutonomy
- MassDOT led panels on Advanced Air Mobility, Counter-UAS (CUAS), and the economic value of beyond visual line of sight (BVLOS) drone operations
- Strong regional turnout included (200+ attendees); speakers from FAA, NASA, Air Force leadership, the City of Lynn and local high school students
- Event was followed by a MassDOT drone demonstration for FAA representatives at Lawrence Municipal Airport on October 28<sup>th</sup>



AUVSI Conference in Burlington, MA



MassDOT Drone Display



Drone Demo at Lawrence Municipal Airport

# Massachusetts Airport Management Association (MAMA) Conference



- The Massachusetts Airport Management Association held their annual conference at the MGM Grand in Springfield MA, October 23rd-25th
- More than 130 participants attended the event to address a wide range of industry topics and to celebrate the organization's 50<sup>th</sup> Anniversary
- Airport Managers, consultants, service providers and officials from the FAA NER and MassDOT focused on the following topics:
  - modernizing airport electrical capacity,
  - preparing for a future without 100LL (low lead) fuel known as avgas,
  - improving workforce development, and
  - funding opportunities for the Bi-partisan Infrastructure legislation
- State Senator John Velis addressed the delegation as a member of the State Aviation Caucus on key industry topics and said: *"I am grateful to have participated in this important discussion on how elected officials can best work together with airports and commissioners to advance our Commonwealth's aviation industry."*
- He further stated that it was critical that airports invite local officials out to see all the economic and social value that our state's airports provide



Senator Velis addresses the conference delegation on airport industry issues and the value of our State's airports



MassDOT staff provides updates on key airport programs and division initiatives



# Statewide Aviation Education Update

## Real World Design Challenge (RWDC) Program Status

- RWDC – 13th year of competition; 2023 Challenge: Unmanned Cargo Transport
- Registration thru 18 Nov 2022; Engineering notebook due by 1/7/23
- National/International challenge release date: 1/24/23
- State winners will compete in final competition on 4/22/23

## National Association of State Aviation Officials (NASAO) International Aviation Art Contest

- 2022 Theme: “Air Sports and the Environment”
- Entries due to state coordinators 1/10/23; judged nationally on 2/24/23
- Winners will advance to the FAI international competition

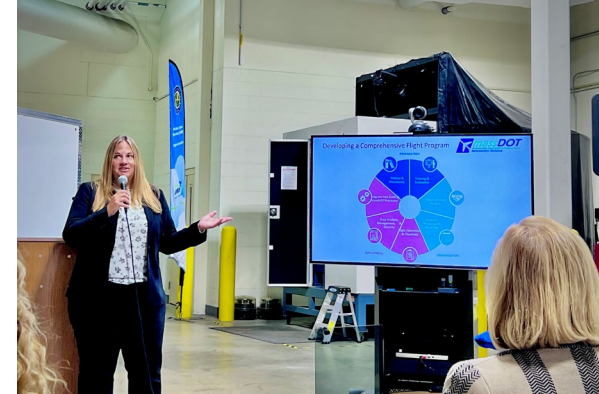
## Southeastern MA Aviation Career Fair at Cape Cod Gateway Airport

- 20 Oct 2022, Cape Cod Gateway Airport & Massachusetts Air and Space Museum held career fair for students in grades 8-12
- Students met with industry professionals and learn about aviation careers
- Attendees toured airport and were able to view aircraft on static display



# FAA “Droning On” STEM Event - Brunswick, ME

- MassDOT Aeronautics presented as a drone subject matter expert to the FAA, Federal Railroad Administration (FRA) and other regional stakeholders on value created from aerial collected data at the University of ME in Brunswick
- Attendees included over 100 participants from State DOTs in New England, public agencies, industry vendors and other drone enthusiasts
- Aeronautics discussed various use cases supporting MassDOT, MBTA and other state partners on structural inspection, asset management, emergency response, and data sharing strategies
- The benefits of aerial collected data include time savings, cost savings, and improved data quality
- MassDOT’s partnership and shared vision with FAA has enabled the state to become a top national drone program



MassDOT Drone Team Personnel Discuss Drone Program



MassDOT Drone Team Shares Various Drone Use Cases