



I-95 Corridor Coalition

Beyond Boundaries

Drone/UAS Webinar Follow-Up April 2019

The Why and How of Setting up a State Unmanned Aircraft System Program: *Experiences from DE and MA – A webinar, March 21, 2019*

Thanks to Dwayne Day, Delaware DOT, Jeffrey DeCarlo, Massachusetts DOT and Scott Uebelhart, Massachusetts DOT Consultant for their valuable presentations on UAS operations. Please visit the TSMO page on the I-95 Corridor Coalition website or click on the links below for more information about the meeting.

- [Presentation with Audio](#)
- [Slides only](#)
- [Q&A Summary](#)

Spotlight Presentation #1:

Unmanned Aerial Vehicles (UAV) in Delaware - Dwayne Day, Delaware DOT



Dwayne discussed how DelDOT began its UAV program, the intensive training that pilots undergo, homeland security involvement, and program funding. DelDOT has 16 UAVs with a variety of cameras, as shown below. The DelDOT pilots are trained at the State Fire School by members of the training certification steering committee.



DelDOT has equipped a “Drone Bus” that functions as a mobile traffic management center (TMC) when the UAV is in long-operation use. The drones/UAVs are used to enhance situational awareness, conduct debris assessments, assess traffic mitigation, conduct bridge inspections, archeological inspections and dune erosion analyses.

Spotlight Presentation #2:

Massachusetts Drone Program: Expansion and Innovation- Jeffrey DeCarlo, Massachusetts DOT and Scott Uebelhart, Massachusetts DOT Consultant

Dr. Jeff DeCarlo and Dr. Scott Uebelhart discussed how MassDOT developed its comprehensive drone program to be scalable to allow for growth as needs change in the future. The program was built with data collection, storage and analytics as a central function. Below is an image representing the program.

Comprehensive Program



Focusing on laying the foundation for a scalable program that meets rapidly expanding needs for operators, operations, and data, and that identifies how to turn drone-collected data into actionable information

MassDOT’s drone program covers a range of applications across the many divisions of the DOT and other state agencies in the Commonwealth. The focus is on innovation and developing an ecosystem within the commonwealth that would include unmanned and autonomous solutions across modes and domains, and build on the experience. Many of these efforts benefit from a partnership with MIT’s Lincoln Labs. The program has an intensive pilot training process, including mission planning and flight readiness reviews. The focus is on safety, privacy and data delivery.

Questions or Concerns:

General Coalition: Denise Markow at 301-789-9088 or dmarkow@i95coalition.org or Virginia Reeder at 617-529-9072 or vreeder@i95coalition.org.
Logistics: Joanna Reagle at 610-228-0760 or jreagle@kmjinc.com

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