MITA Drone/UAS Workshop

February 5, 2018 | MITA | 2937 Atrium Drive | Okemos, Michigan 48864

8:00 – 8:15	**Morning Refreshments & Welcome**
8:15 – 8:45	**Utilizing Drones for Accurate Mapping and Construction Progress Reporting – Lorne Zalesin, DroneView Technologies** Drones are now being heavily adopted in the survey and engineering world to provide accurate aerial mapping and construction progress reporting. DroneView Technologies will share use case scenarios, best practices and realistic expectations in regard to accuracy, processing turnaround times and data archival. DroneView Technologies has flown successful missions for clients in over 25 different states throughout the country. To achieve survey grade accuracy using drones we recognize this requires a plethora of skills and well integrated expertise - extending far beyond the ability to safely fly a drone and acquire imagery. This session will share several examples of projects, lessons learned and critical factors for success from start to finish.
8:45 – 9:45	**Drones and the Fraser Sewer Collapse – Craig Amey, P.S., Anderson, Eckstein & Westrick, Inc. (AEW)** On the morning of Christmas Eve, 2016, the residents of a home in Fraser woke up to creaking and cracking sounds in their house. Their house was moving. The house was next to a sinkhole caused by a sewer collapse that would eventually damage two houses and create an unprecedented need for engineered solutions to arrest the expansion of the sinkhole and restore sewer services to a half million residents in Macomb County. This presentation will demonstrate how UAVs were used by surveyors to provide a quick, accurate and cost effective mapping solution to assist in the 15 Mile Sewer Collapse Repair.
9:45 – 10:00	**Break**
10:00 – 10:30	**Live Demonstration – Greg Brown, Hangar Technologies** Live demonstration of a drone flight and the data it captures.
10:30 – 11:15	**NOAR Technologies Presentation and Demonstration – Chad Studer, President of NOAR Technologies** As a DJI Enterprise Dealer, Pix4D Partner, Silver Tiered Autodesk Partner, and Gold Leica Distributor; NOAR Technologies was a driving force in the adoption of Drones in the AEC Industry. NOAR Technologies now has over 500 successful flights utilizing DJI Drones and interfacing the data captured with the Autodesk platform of Engineering software, or Pix4D, depending on the scope of the project. This presentation will cover best practices for capturing and delivering data; showcasing how a drone can be used for road inspections, road mapping, bridge inspections, and flying autonomously capturing your existing conditions as plotted.
11:15 – 11:45	**Unmanned Aircraft Systems (UAS) Task Force – Michael Trout, MDOT Office of Aeronautics** The 27-member UAS task force developed statewide policy recommendations on the operation, use, and regulation of unmanned aircraft systems in Michigan. This presentation will cover an overview of the task force, finalized recommendations, statewide resources, and next steps.
11:45 – 12:00	Roundtable/Questions
12:00	**Adjourn**

Agenda is subject to change.