



Burton Planning Services

# UAS E-LEARNING COURSES

(1) UAS AWARENESS & (2) REMOTE PILOT CERTIFICATION: OPERATIONAL KNOWLEDGE

## OHIO DEPARTMENT OF TRANSPORTATION



### LOCATION

Statewide, Ohio

### TASKS

UAS Awareness Course Development

Remote Pilot: Operational Knowledge Course Development

### HIGHLIGHTS

Customized branding for UAS training

Identified learning objectives & prepared content

Designed courses & created knowledge checks

Developed courses & published in Lectora & CourseMill

### PROJECT DESCRIPTION

The use of Unmanned Aircraft Systems (UAS) is becoming a transportation industry standard. The Ohio Department of Transportation (ODOT) implements a Federal Highway Administration (FHWA)'s On-the-Job Training Program, which prioritizes training opportunities to increase participation of women, minorities, and disadvantaged persons in the industry. For this program, ODOT hired BPS to develop e-learning training courses to enable historically under-represented groups to receive the necessary training to subsequently take and pass the UAS Commercial Pilot License exam, which will enable trainees to move into journey-level positions to operate UAS equipment.

For this project, BPS utilized federal and state resources to research topics for each course and develop content. BPS also consulted industry leaders. The final e-learning courses were designed to be both aesthetically appealing and user-friendly. Each course was also designed to accommodate a variety of different users by including audio, transcripts, and interactive media.

BPS developed two e-learning courses for this contract. The first course, UAS Awareness, served as an introduction to UAS and a prerequisite to the second course, UAS Remote Pilot Certification: Operational Knowledge. The second course consisted of four modules. The modules included: (1) FAA Regulations, (2) Aviation Fundamentals, (3) UAS Operations, and (4) Remote Pilot Resources. Both courses included interactive knowledge checks to test participants' understanding on what they learned throughout the courses.

