Eric Risner, PS, IAM, PMP

Project Manager

A licensed professional surveyor in multiple states and a Project Management Professional, Eric Risner plays an active role in aeronautical surveying and mapping processes, as well as re-engineering and workflow improvements to gain efficiencies and provide superior end products for our clients through customized software engineering, improved project instruction and a disciplined quality control program. Mr. Risner also works with the FAA and Woolpert in-house subject matter experts, on continual process improvements to the functionality of the AGIS web portal and workflows associated with submitting a variety of GIS datasets for review and approval. Mr. Risner's experience includes considerable expertise in new data collection and converting legacy datasets from various coordinate and CAD/GIS standard references into the FAA standards as required by Advisory Circulars 150/5300-16, 17 and 18, geodetic control establishment, construction design surveys, boundary and easement surveys, GIS data collection, coordinate and CAD/GIS standard expertise.

As the Manager for numerous aviation-specific geospatial related projects, Mr. Risner is skilled in all aspects of the aeronautical survey process starting with the necessary preparation tasks to developing the final AGIS and AC compliant deliverables. Mr. Risner has 16 years of experience in numerous aspects of survey, mapping and GIS data collection and final product development using industry standard applications including AutoCad Civil 3D, MicroStation, Arc GIS, Arc View, Land Desk Top, Trimble Geomatics Office and Trimble Business Center software. He is also skilled in office productivity software including Microsoft office products (Word, Excel, PowerPoint, Access and Visio), and Adobe Acrobat.

Project Experience

Danbury Municipal Airport (DXR)—Danbury, Connecticut. *Surveyor* responsible for obstruction analysis and development of an AGIS compatible dataset. This project involved airport obstruction mapping compliant with Federal Aviation Administration (FAA) and National Geodetic survey (NGS) standards and with guidelines for Instrument procedure Development. The standards and guidelines – Advisory Circulars 150/5300-16, 17 and 18 – comprehensively address the surveying, mapping, and infrastructure data collection and attribution requirements that support precision approach analysis, design, and certification.

Airfield GIS/eALP for Tulsa International Airport (TUL), Tulsa, Oklahoma. *Data Development and Subject Matter Expert* assisting in project coordination, QC and compliance with AC-16, -17 & -18 throughout the duration of the project. Project includes full development and eALP, existing document conversion, TERPS study, data migration into existing GIS system and custom application development. This project has won a 2013 Esri Special Achievement in GIS Award, of which Mr. Riser was a recipient.

Airfield GIS/eALP for Logan International Airport (BOS)—East Boston, Massachusetts. *Project Manager* responsible for creating and submitting a completed and useable FAA approved eALP for General Edward Lawrence Logan International Airport (BOS). This project shall also create a "reusable process" to allow the Airport to maintain the data deliverables beyond the initial eALP from the data that has been loaded into and resides

Years of Experience

17 years

Continuing Education

FAA IDLE Level 3 Certification—#20100718-00023

Professional Registration

Project Management Professional—PMP #1618077

Professional Surveyor—Kentucky #3887; West Virginia #2152

Professional Membership

National Society of Professional Surveyors

West Virginia Society of Professional Surveyors

Awards

Tulsa International Airport, Esri Special Achievement in GIS Recipient, Esri User's Conference, San Diego, California, July 2013

Port Columbus International Airport, American Council of Engineering Companies (ACEC) Engineering Honor Award, Columbus, Ohio, March 2013

within an Airport GIS database, in order to maintain GIS data and to make future eALP submissions. Project includes full development and eALP, existing data incorporation, TERPS study, data migration into existing GIS system and custom application development.

Sound Bend Regional Airport eALP/ALP, St. Joseph County Airport Authority—South Bend, Indiana. Survey Technician responsible for development of an AGIS compatible dataset. Woolpert was contracted to provide aerial imagery, photogrammetric mapping, surveying, and GIS services to assist in the completion of an ALP and ultimately an eALP for submission to the FAA Airport GIS (AGIS). Mapping was scoped such that critical off-airport features where captured and the data could be used for other purposes at the airport besides the ALP. Woolpert also provided periodical QA/QC training meetings to the client could better understand the AC's requirements and the deliverables.

FAA Airport GIS Validation and Advisory Circular Rewrite Project, Washington, DC. Airport Survey Lead for continual development of the AC 150/5300-18 standards from -18A to -18B project. Project included aeronautical surveys at 66 airports, ALP base mapping at 5 airports, technical writing support, developing the data collection and conversion standards, and AGIS database design and testing.

Aeronautical Survey and Airport Layout Plan Update, Starke County Airport—Knox, Indiana. Survey Technician responsible for obstruction analysis for Instrument Procedure Development and final deliverables. Woolpert performed an aeronautical survey and acquired new aerial photography of the Starke County Airport in preparation for a new Airport Layout Plan. An obstruction survey was conducted with geodetic control points. Aerial photography and topographic survey work was used to create a digital terrain model with two foot contours and breakline data. Woolpert also performed a Navigational Aid inventory and created an airport property map with three runway configuration options for the future.

Aeronautical Surveys for Required Navigation Performance (RNP) Procedures—Jacksonville International Airport (JAX), Florida and McCarran International Airport (LAS), Nevada. *Project Manager/Aeronautical Information Specialist* for this survey and analysis to develop Vertically Guided Instrument Approach Procedures for the required runways in compliance with FAA AC 150/5300-16A, -17C, and -18B (current versions) and to provide verification and collection of Obstacles within the Elevated Terrain Following Surface (ETFS) which is a 70,000 foot radial surface from the Airport Reference Point (ARP) which follows 199’ above the ground level of the surrounding terrain. Woolpert verified and provided updated positions for every obstacle within the FAA’s Terrain and Obstacles Data (TOD) Team’s Digital Obstacle File (DOF). NOTE: To streamline the survey process and to assist with the obstacle verification process, Woolpert developed a set of tools (WASP toolkit) to allow for better quality control and improved storage of large datasets being developed. It connects to the FADDS database and populates a research checklist complete with the owner and manager contact information, the existing runway information, existing NAVAID information, and the controlling obstacle for each runway end. Additionally this tool kit incorporates information from the National Geodetic Survey (NGS), FCC Antenna Structure Registration, and the OE/AAA databases.