



The City of O'Fallon, Illinois needed a new EMS headquarters which had line of sight limitations. The City was able to use High Accuracy LiDAR Data set to maximize the results.

Pain Free Projects are a goal of every client. The Survey Doc, Nathan Gardner, will lead you through today's appointment in a memorable way to help you remember the right diagnosis for your next project.



# Thought Leaders

Join Us at the  
2017 Arizona Chapter APWA Conference, Tucson, AZ

## High Accuracy Aerial LiDAR for Line of Site Studies and Hydrology Analysis

2:00 - 2:30 pm, Thursday, August 3, 2017, Hilton El Conquistador, General Session Agave, Tucson, AZ

This presentation is a case study of the high accuracy helicopter platform acquired LiDAR survey of the City of O'Fallon, Illinois. The GIS department of the City is currently utilizing this high accuracy LiDAR data for line of site inter-visibility analysis for optimizing tower placement needed for public safety communication. The data also is being used for hydrology and drainage studies in this a flat terrain city. Water flows in flat ditches can be analyzed for direction and watershed planning purposes. GIS Department personnel believe that the acquisition and initial processing costs of the high accuracy LiDAR data set has been more than offset by the labor savings that have been realized of planning and analysis.

### Meet Our Presenter



Eric Cenovich is a Principal at Wilson & Company. In his 40 years of experience he has served in many roles and responsibilities from photogrammetric stereo compiler & survey technician to Production Manager of the company and Program Manager of multi-million dollar federal surveying and mapping contracts. He has a BS in Land Surveying and MS in Photogrammetric Engineering, both from Purdue University. Eric holds licenses for surveying and mapping in eight states across the country.

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## Right Tool for the Right Project

10:30 - 11:00 am, Thursday, August 3, 2017, Hilton El Conquistador, General Session Agave, Tucson, AZ

This interactive and engaging session will help attendees achieve pain free projects when considering what types of survey services should be considered for projects. Nate starts with an in-depth discussion about how to scope projects for the best results anticipated, and shares insights about accuracy needs. He also addresses format requirements, and helps the audience understand the nuances of historical and current survey results. Finally, he helps dispel concerns about survey services pricing, and concludes with time for audience questions and discussion. His presentation balances technical information with case studies so the audience is much better informed at the conclusion of the session.

### Meet Our Presenter



Nate Gardner has more than 25 years of surveying experience, including boundary, ALTA, route, construction, and construction surveys; minor land divisions; and 3-D laser scanning. From owning his own land surveying business to managing survey departments in engineering firms, he has substantial insight about identifying and using the best surveying tools for project success. He has a bachelor's degree in technology management from Northern Arizona University, and is registered as a Professional Surveyor in Arizona and Oregon. He is a member of the American Public Works Association (APWA), and Arizona Professional Land Surveyors (APLS) and the National Society of Professional Surveyors (NSPS). In his spare time, he enjoys bicycling and soccer.

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