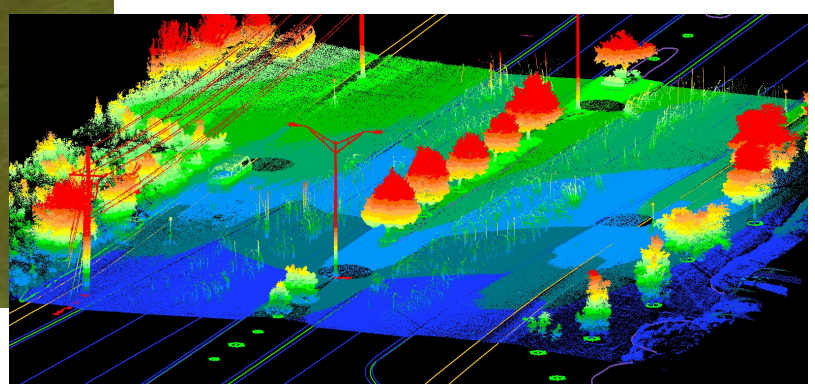
Left: Diverging Diamond Interchange on I-15 at Pioneer Crossing in American Fork, UT

Below: LiDAR Case Study: 119th and I-35, Olathe, KS



Thought Leaders

Join Us at the Nebraska Department of Roads User Group 2017 Spring Conference, *Lincoln, NE*

Design-Build Delivery and Innovation
9 - 9:45 am, Wednesday, March 8, 2017, Nebraska Innovation Campus Conference Center, Lincoln, NE

In this session, we will present an overview of the Design-Build delivery method, highlighting the differences between it and traditional delivery. We will explore the power of design-build to promote innovation to deliver best-value projects, where collaboration and an integrated project team enhances meeting project goals. We will analyze innovative design and construction approaches used on past Design-Build projects that Wilson & Company has been involved in, primarily in Colorado and Utah.

Meet Our Presenters

Mark Scholfield, PE, DBIA, is Wilson & Company's Alternative Delivery Program Manager, responsible for design-build and CM/GC projects. He is a leader in Colorado Dept. of Transportation's Innovative Contracting Program, and co-authored CDOT's Project Delivery Selection Matrix and Design-Build and CM/GC Manuals. He has a BS (civil) from the Univ. of Wisconsin and a MS (structural) from the Univ. of Colorado.

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Nicholas Thomas, PE, has focused the last 10 years on design-build projects. He has served as MOT Engineer, Roadway Design Lead, Project Engineer, and Design Manager for transportation design-build projects in Utah and Colorado, and Missouri, where construction costs ranged from $30 million to $200 million. Nick graduated from the University of Kansas with a BS in Civil Engineering in 2001.

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LiDAR Case Studies in Transportation Design
2 - 2:45 pm, Wednesday, March 8, 2017, Nebraska Innovation Campus Conference Center, Lincoln, NE

What is LiDAR and how does it apply in transportation design? Where is it suitable to use… and where is it not the best solution? Can this technology help a project be more successful and how? By reviewing case studies of how utilizing LiDAR technology helped to overcome design challenges, the presenters will discuss the benefits and contributions of using LiDAR. Specific examples and topics include paving deformation, mapping of an over-capacity intersection, and accurately locating bridge tie-in points.

Meet Our Presenters

William Knight, PLS, PS, has 17 years of diverse land surveying experience. Beginning in the U.S. Army as a Topographic Surveyor (555th EN CO), he went on to work as a CAD draftsman, instrument operator, survey field crew chief, and survey manager. Throughout his surveying career he has performed ALTA/ACSM, boundary, geodetic, topographic, aerial mapping, transportation, bathymetric, and bridge surveys. He oversees land surveying tasks in Nebraska, Missouri, and Kansas.

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Whitney Lynn has more than eight years' experience in the geospatial industries, and has been part of numerous projects performing LiDAR, photogrammetric, GIS, and image processing tasks. He currently serves as LiDAR Data Processing Lead. Whit has completed a variety of LiDAR-based projects, including road/bridge as-built design, dam deformation studies, transmission line and substation surveys, and sidewalk/stormwater improvements.

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