

DIGITAL CONSTRUCTION INSPECTION WORKSHOP

CONSTRUCTION ENGINEERING AND QUALITY ASSURANCE USING ADVANCED PRACTICES

SPONSORED/FUNDED BY:



U.S. Department of Transportation
Federal Highway Administration

ON-SITE WORKSHOP

July 23, 2019
Government Center South Conference Room B
302 W. Washington Street
Indianapolis, IN 46204

WORKSHOP OVERVIEW

This workshop will provide practical help to further the implementation of digital construction inspection in Indiana by hearing from lead state transportation agencies on their implementation experiences.



Courtesy of New Hampshire DOT

REGISTER NOW

You may register for the workshop online at
www.surveymonkey.com/r/INDOTWorkshop

COST

There is no cost to attendees for this workshop. The workshop is sponsored by the Federal Highway Administration to further the national implementation of digital construction inspection.

LUNCH (not provided)

Lunch is available for purchase at the Conference Center Cafeteria. There are also numerous local restaurants nearby.

QUESTIONS?

Contact Gabe Nelson
National Concrete Pavement
Technology Center
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HOSTED BY:



For more information visit: www.cptechcenter.org/workshops-on-advanced-survey-and-modeling-technologies-and-practices

AGENDA

TOPIC

PRESENTATION SESSION

(Eastern Time)



Courtesy of New Hampshire DOT

8:30 a Registration

Introduction and Welcome

David Unkefer, FHWA Resource Center; Erin Fletcher, FHWA Indiana Division

9:00 State of Practice

Greg Pankow, Indiana Department of Transportation

Greg will discuss the current state of practice at the Indiana DOT.

Integrating Design & Construction

Robert Stewart, Utah Department of Transportation

9:45

Robert will discuss lessons learned on best practices for sharing digital design data with contractors and construction inspection personnel including training of field staff and creating trust in the digital design data.

10:30 Break

How Design Can Change to Support Digital Construction Inspection

Timothy Haney, Parsons

10:45

Timothy will discuss workflow changes in design to provide products that are useful in construction.

11:30 Lunch/Vendor Demonstrations

Overview of Digital Construction Inspection at Ohio DOT

Eric Kahlig, Ohio Department of Transportation

12:30 p

Eric will give an update on the current state of practice, challenges with their own implementation of digital construction inspection, and the future of 3D design and digital construction inspection at Ohio DOT.

Construction Inspection Application Development

Corey Johnson & Beth Buerger, Bentley Systems

1:05

Corey and Beth will give an update on the development of a construction application that uses 2D and 3D model information to help inspectors verify construction outcomes more efficiently. The application is being developed in cooperation with the Indiana DOT.

Use of Digital Design Data & Rovers in Construction

Bryan Nicholson & Leslie Everson, Walsh Construction

1:30

Bryan and Leslie will discuss how contractors use digital design data during the estimating phase of a project and how digital design data is used to facilitate automated machine guidance. They will also discuss how contractors calibrate to the on-site survey control and common issues with utilizing electronic information from designers.

Using Digital Data, Obtaining As-built Information, and Asset Management

All Presenters

1:55

During this moderated panel discussion, we will discuss procedures for verifying construction outcomes, obtaining and storing as-built information, and the future of using digital data for asset management.

2:15 Break

Workshop Question and Answer Panel

Moderated by Greg Pankow, Andrew Pangallo, and Derek Fuller
Indiana Department of Transportation

2:45

This is an opportunity to ask any questions of any of the presenters.

3:20 Closing Remarks & Adjourn

David Unkefer, FHWA