

# 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

March 27, 2019  
Florida DOT State Materials Office  
5007 NE 39th Avenue  
Gainesville, FL 32609

### WORKSHOP OVERVIEW

This workshop will provide practical help to further the implementation of digital construction inspection in Florida 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/FDOTWorkshop](http://www.surveymonkey.com/r/FDOTWorkshop)

### 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)

Pizza will be available for purchase. Please email Gabe Nelson with any dietary restrictions.

### QUESTIONS?

Contact Gabe Nelson  
National Concrete Pavement  
Technology Center  
515-964-2020  
[gnelson@snyder-associates.com](mailto:gnelson@snyder-associates.com)

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Florida Department of  
TRANSPORTATION



For more information visit: [www.cptechcenter.org/workshops-on-advanced-survey-and-modeling-technologies-and-practices](http://www.cptechcenter.org/workshops-on-advanced-survey-and-modeling-technologies-and-practices)

# AGENDA

## TOPIC

## PRESENTATION SESSION



Courtesy of New Hampshire DOT

(Eastern Time)  
8:30 a

### Registration

#### Introduction and Welcome

David Unkefer, FHWA Resource Center;  
Khoa Nguyen, FHWA Florida Division

9:00

#### State of Practice

Amy Tootle, Florida Department of Transportation  
Amy will discuss the current state of practice at the Florida DOT.

9:30

#### Overview of Digital Construction Inspection

Greg Sardinskas, Connecticut Department of Transportation

Greg will give an overview of the implementation of digital construction inspection at Connecticut DOT including the benefits of utilizing digital information, developing procedures for the use of the model and rovers, and organizational changes that are necessary.

10:15

#### Break

#### Integrating Design & Construction

Michelle Page Utah Department of Transportation

10:30

Michelle 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.

#### Workflow Changes to Support Digital Construction Inspection

Gabe Nelson, Snyder & Associates, Inc.  
Michelle Page, Utah Department of Transportation

11:15

Gabe will discuss workflow changes in design to provide products that are useful in construction. Michelle will discuss changes in procedures, implementation challenges, and lessons learned in Utah's implementation of Digital Construction Inspection.

12:00 p

#### Lunch/Vendor Demonstrations

#### Digital Construction Inspection at Connecticut DOT

Greg Sardinskas, Connecticut Department of Transportation

1:00

Greg will discuss policies and procedures for consistent use of GNSS rovers by construction inspection personnel including a demonstration of utilizing the equipment.

#### Workshop Question and Answer Panel

Moderated Amy Tootle and Kristin Tadlock,  
Florida Department of Transportation

1:45

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

2:15

#### Break

#### Obtaining As-built information and Asset Management

Greg Sardinskas, Connecticut DOT; Brett Dean, New York State DOT;  
and Michelle Page, Utah DOT

2:45

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.

3:25

#### Closing Remarks

David Unkefer, FHWA

3:30

#### Adjourn