

2025 NCDOT Preconstruction Workshop Agenda

Monday, March 17, 2025	
9:00 to 3:00 pm	NCDOT Career Fair (Room 2)
3:00 to 5:00 pm	SPSF Outreach (Room 1)
5:00 to 7:00 pm	Evening Network Reception (Room 2)
Tuesday, March 18, 2025	
7:30 to 8:30 am	Continental Breakfast (Room 1)
8:30 to 9:45 am	Opening Session (Room 1)
9:45 to 10:15 am	Networking Break (Lobby and Room 2A/B)
10:15 to 11:30 am	Cool Project: Alligator River Bridge Replacement (Room 6)
	Roundabouts: Overcoming Challenges, Unlocking Opportunities (Room 8)
	ROW & Utilities: Managing Access Control (Room 7)
	The Big Picture: Digital Delivery at NCDOT (Room 2C)
	Unit Highlights: Updates from FSU and EAU (Room 3)
11:30 to 12:30 pm	Lunch (Room 1)
12:30 to 1:45 pm	Helene – Lessons in Creative and Resilient Recovery (Room 1)
1:45 to 2:15 pm	Networking Break (Lobby and Room 2A/B)
2:15 to 3:30 pm	3D Design and Plan Development: Digital Delivery at NCDOT (Room 2C)
	Alternative Delivery Methods: Strategic Choices in NCDOT Projects (Room 7)
	Designing With the End in Mind: Where Preconstruction & Construction Meet (Room 8)
	IMD: A Multi-Faceted Division (Room 3)
	The Project Delivery Network: An In-Depth Discussion (Room 6)

2025 NCDOT Preconstruction Workshop Session Descriptions

Tuesday, March 18, 2025

Opening Session 8:30 am – 9:45 am

This opening session will feature NCDOT leadership highlighting key initiatives and project delivery updates that are shaping the future of transportation.

10:15 am – 11:30 am Sessions

Cool Project: Alligator River Bridge Replacement

This session will highlight the upcoming replacement of the existing 2.8-mile-long Lindsay C. Warren Bridge over the Alligator River in Tyrrell and Dare Counties with a modern two lane, fixed span bridge on new location. The project's unique environmental and geographical features set the stage for creative and resilient design solutions, geotechnical innovations and accelerated CMGC procurement.

Roundabouts: Overcoming Challenges, Unlocking Opportunities

This session will show how NCDOT has responded to some of the challenges it has faced in recent years when trying to implement roundabouts so motorists and stakeholders can enjoy the safety, operation, and other benefits. The speakers will describe how Division 6 has responded to design challenges, how the hydraulics unit has refined its practices to help roundabouts drain well, and how there are a number of choices available—like mini, modular, turbo, and peanut—when a conventional roundabout just won't work.

ROW & Utilities: Managing Access Control

This session will explore the impacts of access control and the consequences of changing access control measures. Through real-world project examples, the discussion will focus on the challenges and considerations associated with access control issues, providing practical insights and solutions.

The Big Picture: Digital Delivery at NCDOT

This session will define what Digital Delivery means at NCDOT and highlight the ongoing effort across the Department, from Preconstruction to Asset Management.

Unit Highlights: Updates from FSU and EAU

This breakout session will provide an in-depth update on the latest developments from the Feasibility Studies Unit and the Environmental Analysis Unit.

General Session 12:30 pm – 1:45 pm

Helene – Lessons in Creative and Resilient Recovery

A moderated conversation with leaders from our Western Divisions sharing lessons learned and creative and resilient solutions in procurement and uses of technology that have been implemented to assist with Helene Recovery Efforts. The conversation will also look at resiliency and the vision for moving forward.

2025 NCDOT Preconstruction Workshop Session Descriptions

2:15 pm – 3:30 pm Sessions

3D Design and Plan Development: Digital Delivery at NCDOT

This panel session, moderated by Tatia White NCDOT State Roadway Design Engineer, will dive into NCDOT's integration of advanced technologies within the design and the overall project delivery process.

Alternative Delivery Methods: Strategic Choices in NCDOT Projects

This session will examine the different project delivery methods employed by NCDOT, with a focus on alternative approaches. Case studies will highlight specific projects and the rationale behind choosing these methods, providing insights into the decision-making process and the benefits of alternative delivery strategies.

Designing With the End in Mind – Where Preconstruction & Construction Meet

This session will discuss the intersection of preconstruction and construction with a focus on how these two project phases are more intertwined than you think. Discussions will include an overview of the Resident Engineer's Guide, touchpoints between Preconstruction and Construction Staff during the project development process, construction revisions, constructability reviews, and post construction assessments.

IMD: A Multi-Faceted Division

This session will dive deep into the variety of efforts underway within NCDOT's Integrated Mobility Division. Learn about new guidance materials developed to assess design flexibility options for multimodal transportation infrastructure and how the Department is implementing multimodal connections by way of mobility hubs.

The Project Delivery Network: An In-Depth Discussion

This session will provide an in-depth discussion of NCDOT's Project Delivery Network and will dive into the major deliverables in the early stages. The presentation will include a discussion on how the PDN and associated tools support teams working together and the ramifications to project delivery when they do not.