

Building NCDOT Knowledge through Post Construction Assessments

ACEC-NCDOT Joint Conference 2023

Janaki Patel, PE – NCDOT Value Management Office (VMO) Program Engineer

Zach McLaughlin – NCDOT Value Management Office (VMO) Program Engineer



CLEAR

Communicate Lessons, Exchange Advice, Record



CLEAR Program Overview

- CLEAR stands for: Communicate Lessons, Exchange Advice, Record
- The goal is to promote cross-unit communication, sharing of best practices, and organization enhancements.

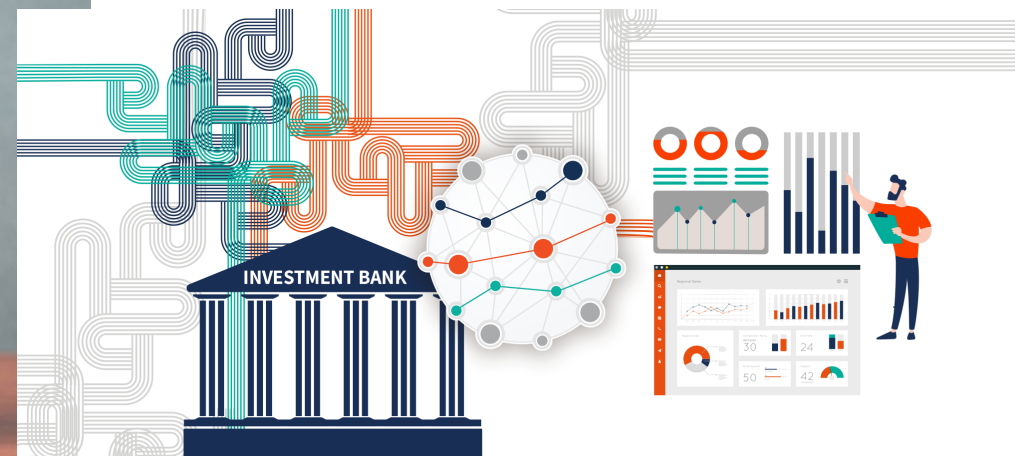


Knowledge Management

- Collecting
- Organizing and Storing
- Sharing



Sign Up for Lunch and Learns



CLEAR
Communicate Lessons, Exchange Advice, Record

What is a PCA?

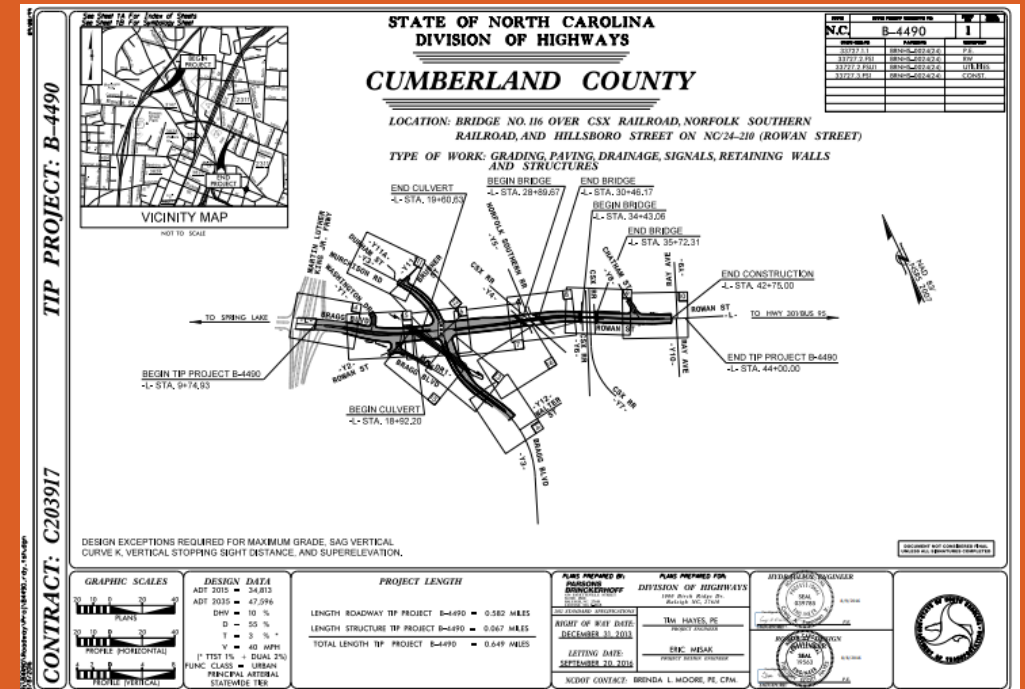
Post Construction Assessments

- PCAs kicked off in 2021
- A tool for collecting Best Practices and Lessons Learned from projects
- Includes personnel (NCDOT and external) from all stages of the project lifecycle
- Over 250 identified Best Practices and Lessons Learned



B-4490 Project Overview

The project involved the replacement of bridge number 116 over the CSX Railroad, Norfolk Southern Railroad and Hillsboro Street and to realign Bragg Boulevard and NC 24 (Rowan Street) with NC 210 (Murchison Road) in downtown Fayetteville



Contractor: **ST Wooten**
Project Cost: **\$25 Million**

B-4490 Project Overview



Post Construction Assessment B-4490

Topics Discussed

- Structure Decking #1 Screed
- MSE Wall #6
- Stamped Concrete
- Access to W. Rowan Street
- Utilities



Outcome

5 Lessons Learned and Best Practices

Access to W. Rowan Street



before construction



during construction



after completion



Value Engineering Studies

→ What is it?

A team of engineers “study” a project and provide recommendations to improve or “add value” to the project.

→ Why is it important?

If you are asked to be a part of the study, you have an opportunity to provide your expertise and make DOT projects more efficient and effective!

→ Who to Contact?

Andrew Folz, Value Management Office
afolz@ncdot.gov
919-707-6683



Constructability Review Program

- 2023 Total: 7 CR
- 2024 Total: 8 , 5 completed 3 scheduled

Thank You!!!!!!



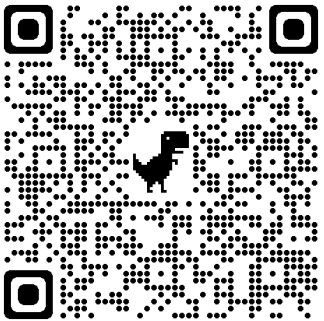


UPCOMING FUNDING OPPORTUNITY

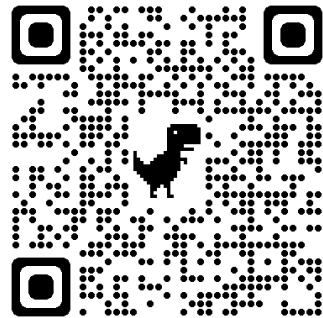


State Transportation Innovation Council (STIC)

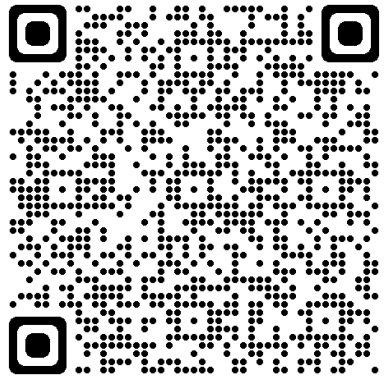
- Aims to foster innovation and provide financial support for projects improving transportation efficiency, safety, and sustainability in North Carolina. Funding applications will be accepted ***February 19 - April 15, 2024.***
- The CLEAR Program will be hosting a ***Lunch and Learn on Wednesday, March 20, to review the STIC funding application process.***
- Visit the [North Carolina Transportation Innovation Council \(NC-TIC\) website](#) for more details about the application process and to see information on successful projects.



Should you have questions or need assistance with your application? We're here to help. Please email NCTIC team at NCTIC@ncdot.gov.



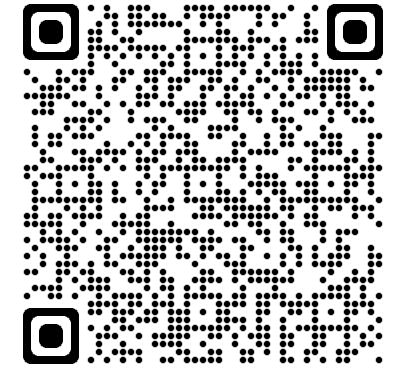
Questions?



Knowledge
Sharing Site



Lunch and Learns



Constructability
Review Program

Thank you!

Contact Us

CLEAR Program

clear@ncdot.gov

Janaki Patel, PE – Program Engineer

jhpatel@ncdot.gov • 919-707-6688

Value Engineering Program (VEP) & Risk Management Program (RMP)

Andrew Folz, PE – Program Engineer

afolz@ncdot.gov • 919-707-6683

Value Engineering Proposals (VEPP) & Constructability Review Program (CRP)

Zach McLaughlin – Program Engineer

zrmclaughlin@ncdot.gov • 919-707-6684

Value Management Office (VMO)

valuemanagmentunit@ncdot.gov

Alyson Tamer, PE – State Value Management Engineer

awtamer@ncdot.gov • 919-707-6682