



**NORTH CAROLINA**  
Department of Transportation

# **Project Scoping Process Express Design Evaluation**

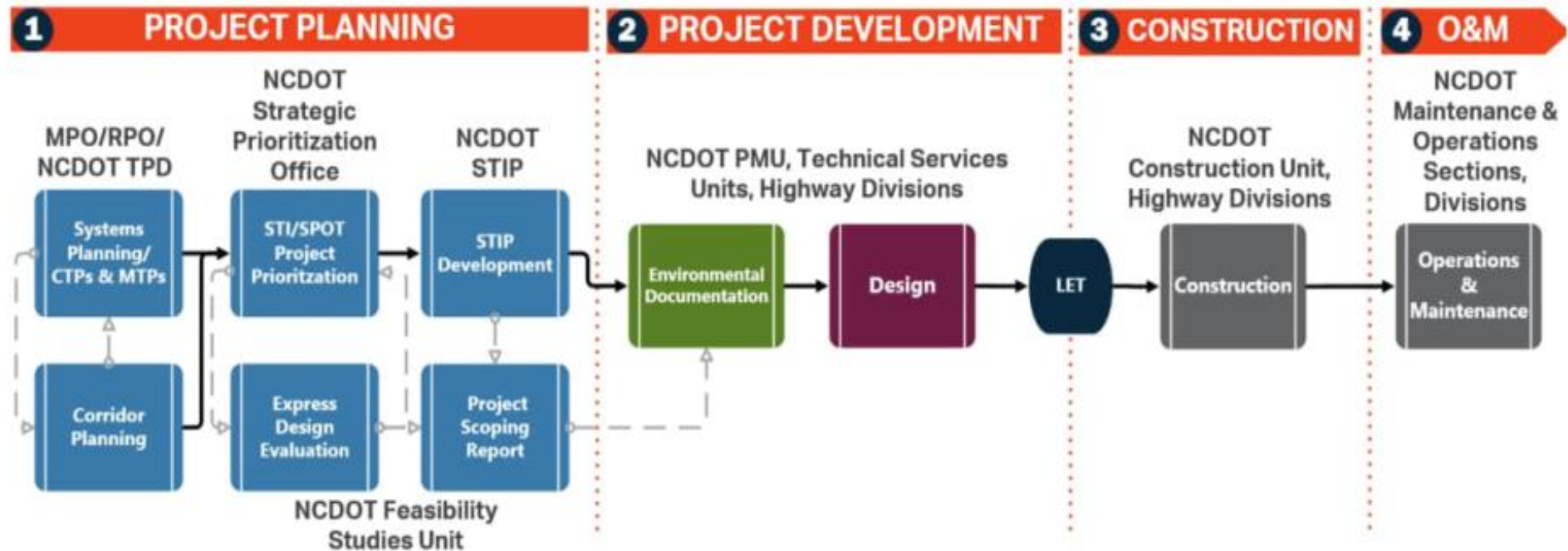
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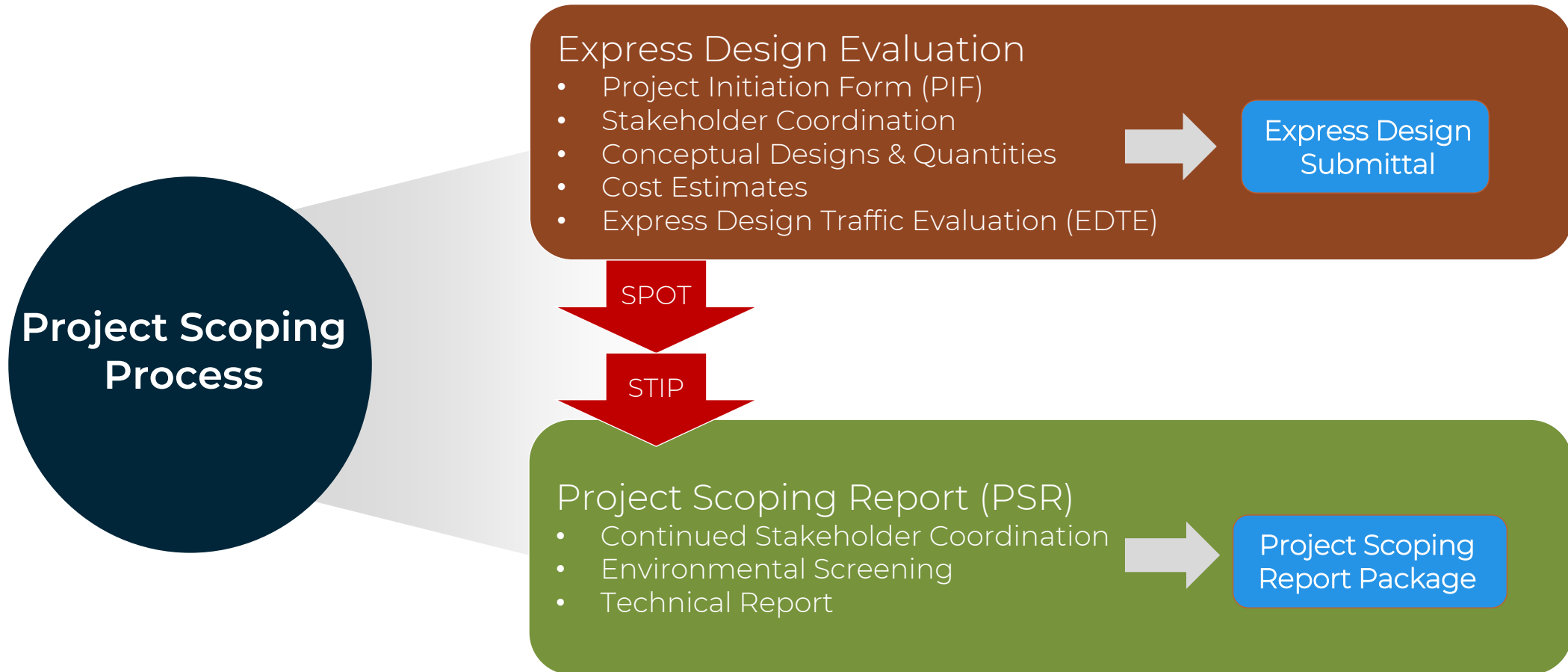
**March 2024**

Connecting people, products and places safely and efficiently with customer focus, accountability  
and environmental sensitivity to enhance the economy and vitality of North Carolina

## Overview



## Overview



- ✓ Initial step in the planning and design process for a candidate project
- ✓ Describes the project, estimates preliminary costs, and identifies any potential problems
- ✓ Investigates conceptual design option(s) and prepares costs needed for the prioritization process (SPOT)



## What the Express Design Evaluation is **NOT**



Detailed engineering



In-depth data collection or field studies



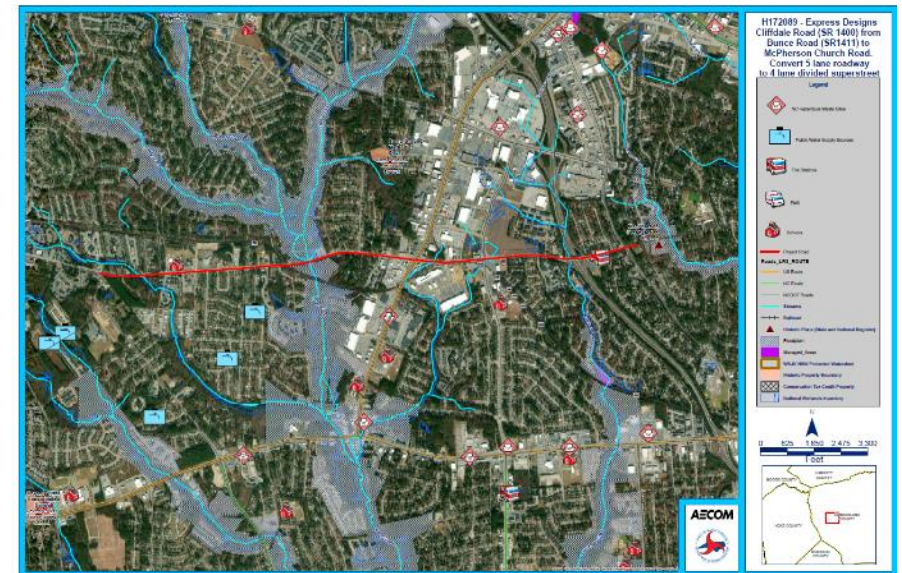
NEPA/SEPA (environmental) compliance documentation



The final word on the ultimate design for the project

## The Express Design Evaluation includes the following:

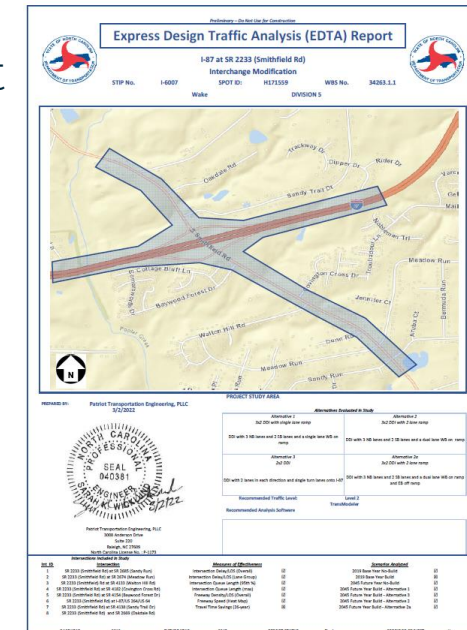
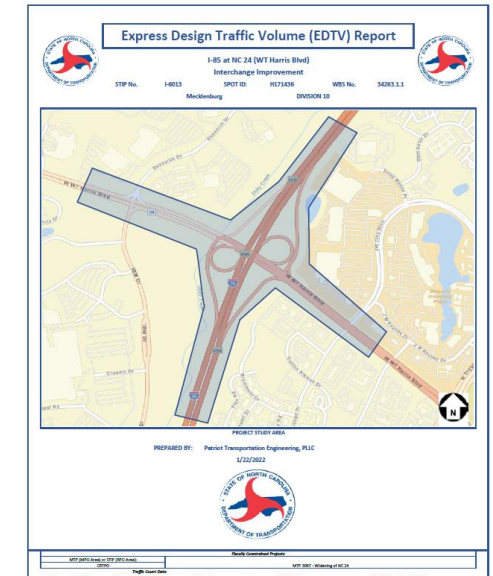
- Stakeholder Coordination
- Environmental Screening
- Complete Streets Review
- Conceptual Design(s)
- Cost Estimates
  - Construction/ROW/Utilities/ITS
- Constructability/Maintenance of Traffic Narrative
- Traffic Safety Screening
- Initial Hydraulic review
- Preliminary Traffic Analysis (EDTE)





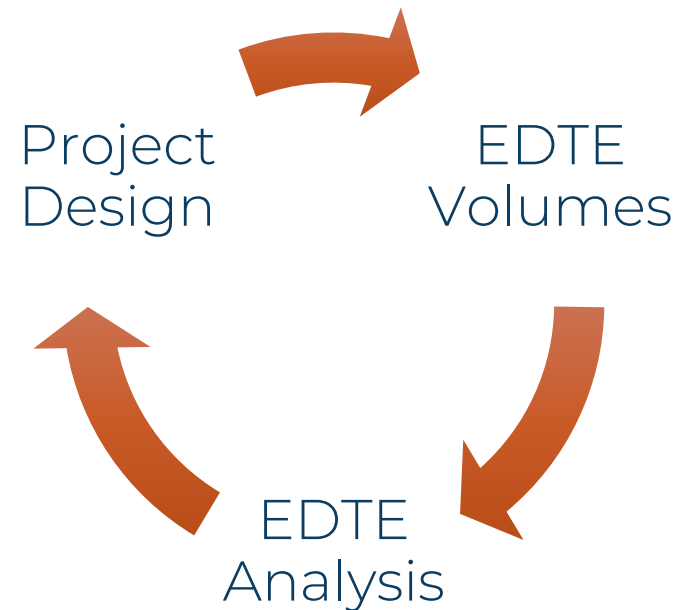
## What is an Express Design Traffic Evaluation (EDTE)?

- Component of the Express Design Evaluation
- Utilizes simplified volume development methods to quickly estimate traffic volumes
- Team of experts helps decision makers determine the best alternative(s) for their needs
- Provide for better coordination, designs, and cost estimates early in process



## Why is the EDTE Important?

- Evaluates if design will operate at a level consistent with the project goals
- Produces greater certainty in project costs during Prioritization and Programming
- Can eliminate design alternatives (reducing planning and design cost)
- Helps determine the most cost-effective project strategy.





# Questions



**Thank you!**

