

CAPE FEAR MEMORIAL BRIDGE REPLACEMENT



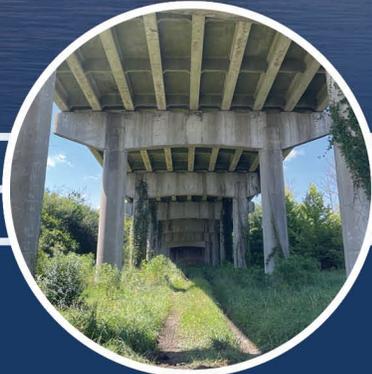
ATTACHMENT G: Work Plan

FY 2023 - FY 2026

NOVEMBER 27, 2023

BRIDGE INVESTMENT PROGRAM

LARGE BRIDGE PROJECT GRANTS



WORK PLAN

This Work Plan outlines the key phases and milestones for the Cape Fear Memorial Bridge Replacement Project (Project), aligning with the requirements of the Bridge Investment Program (BIP) Notice of Funding Opportunity (NOFO). This attachment provides an overview of the Project's scope, methodology, and timeline, ensuring alignment with BIP NOFO guidelines and successful project execution.

I. Key Phases and Milestones

NEPA Compliance

The NEPA process and alternatives analysis are currently ongoing. In consultation with the Federal Highway Administration (FHWA), the lead federal agency, the appropriate NEPA Class of Action will be determined. NCDOT expects the Class of Action to be an Environmental Assessment / Finding of No Significant Impact. Once determined, NCDOT will complete the appropriate NEPA clearance document for FHWA approval. **More information about NEPA status and the NCDOT Section 404/NEPA Merger Process can be found in the Narrative document, specifically in the Technical Feasibility and Technical Competency section.**

Final Design

Following NEPA clearance, NCDOT will initiate final design, utility coordination, permitting, and right-of-way acquisition.

Right-of-Way

NCDOT is undertaking a thorough evaluation of right-of-way (ROW) needs for the Project. This process involves analyzing the potential impacts on various parcels of land in the Project area. This analysis will be refined as design progresses.

Identification of Impacted Parcels: A set of parcels have been identified based on the feasibility concepts that are expected to be impacted by the Project. These include both temporary and permanent conditions.

Vacant and Government-Owned Land: Several of the parcels impacted are either vacant or owned by government entities. This includes land on Eagles Island and parcels in Brunswick County that are mostly vacant with wetlands. These parcels are critical for the temporary alignment of the Project to avoid travel impacts during construction.

Public Involvement

Extending throughout the Project, public involvement is integral. NCDOT is committed to community feedback and meaningful stakeholder & public engagement throughout the project, including final design and construction. **More information about public engagement plans can be found in the Narrative document.**

Project Delivery Method and Procurement

NCDOT anticipates using an alternative delivery method for the Project. A final determination of the method will be determined as NEPA and preliminary design progress. Options being considered

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include design-build, construction manager/general contractor (CM/GC), or another method to be determined. NCDOT has a detailed approach to evaluating delivery methods that considers schedule and budget risk.

Construction

NCDOT works with the selected contractor to prepare a project delivery schedule and implements risk management strategies to ensure the Project is completed according to the established schedule and within budget.

II. Project Schedule

The schedule represented below shows that the Project is anticipated to receive a NEPA decision document by February of 2026, and the Project can proceed to the next stage of project development (procurement of an alternative delivery contractor to complete final design, utility clearance, permitting, and ROW acquisition) immediately thereafter. The obligation of BIP funds for right-of-way, utility clearance, and construction is expected in March 2026, six months prior to the obligation deadline for FY 2023 funds. Construction is expected to begin 14 months after initial obligation and be complete ahead of the expenditure deadline for FY 2023 BIP funds. NCDOT is committed to adhering to this timeline, ensuring timely progress and successful project completion.

Phase / Milestone	Estimated or Actual Start date	Estimated or Actual End date	Duration
Feasibility Study	8/30/2019	6/30/2020	10 months
Preliminary Design	6/15/2023	3/15/2024	9 months
Alternatives Analysis	6/15/2023	12/16/2024	1 year, 6 months
Programmed on STIP	N/A	6/5/2023	<i>milestone</i>
Programmed on WMPO TIP	N/A	6/5/2023	<i>milestone</i>
NEPA (Section 404/NEPA Merger)	6/15/2023	2/28/2026	2 years, 8 months
<i>Obligation of BIP Funds</i>	<i>N/A</i>	<i>3/15/2026</i>	<i>milestone</i>
<i>BIP Obligation Deadline (FY 23 Funds)</i>	<i>N/A</i>	<i>9/30/2026</i>	<i>milestone</i>
Final Design	4/15/2026	7/15/2027	1 year, 3 months
Utility Clearance	4/15/2026	7/15/2027	1 year, 3 months
Permitting (USACE, USCG, NOAA, NCDWR, etc.)	4/15/2026	7/15/2027	1 year, 3 months
ROW Clearance and Acquisition	4/15/2026	4/15/2028	2 years (typical)
Preliminary PS&E Approval	N/A	3/1/2026	milestone
Procurement	3/15/2025	3/15/2026	1 year
Public Involvement	3/15/2024	9/15/2031	7 years, 6 months
Construction	7/15/2027	9/15/2031	4 years, 2 months

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<i>BIP Expenditure</i>	<i>N/A</i>	<i>9/15/2031</i>	<i>milestone</i>
<i>BIP Expenditure Deadline (FY 23 Funds)</i>	<i>N/A</i>	<i>9/30/2031</i>	<i>milestone</i>