

North Carolina Department of Transportation  
NEPA/SEPA Consultation Form

TIP Project No.:	B-4786
WBS Element:	38222.3.3
Federal Project No.:	0013069

A. Project Description, Location, and Purpose:

The proposed project replaces Pitt County Bridge No. 38 on US 13 (Memorial Drive) over the Tar River. Bridge No. 38 (US 13 northbound) will be closed during construction. Traffic will be detoured on-site during construction utilizing the US 13 southbound bridge for two-way traffic.

The replacement structure will be an eight span concrete girder bridge approximately 550-feet long providing a clear roadway width of 38-feet on existing alignment. The bridge will include two 12-foot travel lanes. The bridge length is based on preliminary design information and is set by hydraulic requirements.

Project construction on US 13 northbound will extend approximately 769 feet from the southwest end of the new bridge and 372 feet on the northeast end of the new bridge. The approaches will be widened to provide two 12-foot travel lanes with 6-foot shoulders (7-foot with guardrail) on the west and variable 13-17 foot shoulders on the east.

The South Tar River Greenway is proposed to pass underneath Bridge No. 38. NCDOT has coordinated with and jointly planned for accommodating this new greenway with the City of Greenville. The final design does allow for construction of the proposed greenway under Bridge No. 38. NCDOT will continue to coordinate with the City of Greenville during the construction phase.

The purpose of the project is to replace a functionally obsolete bridge. NCDOT records indicate Bridge 730038 was built in 1955. The bridge is considered functionally obsolete due to a deck geometry appraisal of 3 out of 9 according to Federal Highway Administration (FHWA) standards.

B. Consultation Phase:



Construction

C. NEPA/SEPA Class of Action Initially Approved as: (Check one)



FHWA Class II (CE)

06/23/2017

**D. Changes in Proposed Action & Environmental Consequences:****Design changes:**

- The offset on the eastern side of Bridge 730038 will increase from 8-feet to 10-feet
- The approaches on the eastern side of Bridge 730038 have increased from 4-foot paved shoulders to 10-foot paved shoulders

No other design changes have occurred since the June 2017 Type I CE and no additional impacts have occurred.

**Water Resources:**

Water resources and water classifications in the project area remain unchanged since the June 2017 Type I CE and June 2015 NRTR.

**Cultural Resources:**

New requirements to notify Federally recognized tribes were initiated since the June 2017 Type I CE was completed and signed. As a result, two Federally recognized tribes with interest in Pitt County (Catawba Indian Nation and Tuscarora Nation) were notified of the project. Responses received indicated no immediate concerns but requested notification if Native American artifacts and/or human remains are located during ground disturbing activities.

**Protected Species:**

A review of the USFWS IPaC data lists seven Federally endangered and threatened species that could occur in or near the project area. The National Oceanic and Atmospheric Administration (NOAA) National Marine Fisheries Service (NMFS) lists one protective species for the study area. The following is a review of potential impacts to those species from this project.

Atlantic Sturgeon: The proposed project crosses the Tar River critical habitat for the Atlantic sturgeon. The NMFS issued concurrence for the Atlantic sturgeon in 2019. All Programmatic Biological Evaluation guidelines will be followed with the exception of the drill shaft threshold exceedance. An in-water work moratorium is in effect between February 15 and September 30 to prevent the disruption of the Atlantic sturgeon spawning runs/migration activities. An in-water work moratorium for the primary nursery area from February 15 to September 30 will apply to this project. The conditions listed in in the Greensheet will be incorporated. A Biological Conclusion of **May Affect, Not Likely to Adversely Affect** was rendered for this species.

Neuse River waterdog, Atlantic pigtoe, and Tar River spinymussel: During the 2021 aquatic surveys, target species were not located but appropriate habitat is present. Based upon survey results for these species it is unlikely that adverse effects will result from project construction. Therefore, the Programmatic Biological Opinion (PBO) for the mussel species and the Programmatic Conference Opinion (PCO) for the Neuse River waterdog will be adhered to for this project. A Biological Conclusion of **May Affect, Not Likely to Adversely Affect** was rendered for this species.

West Indian Manatee: Suitable habitat occurs for this species within the study area. A review of NCNHP records, updated January 2022, indicates no known occurrences of this species within 1.0 mile of the study area. NCDOT will adhere to “Guidelines for Avoiding Impacts to the West Indian Manatee, *Precautionary Measures for Construction Activities in North Carolina Waters*.” A Biological Conclusion of **May Affect, Not Likely to Adversely Affect** was rendered for this species.

Northern long-eared Bat (NLEB): The USFWS revised the PBO in conjunction with FHWA, USACE, and NCDOT for the NLEB in eastern NC. The PBO covers Divisions 1-8. The programmatic determination for the NLEB for the NCDOT program is **May Affect, Likely to Adversely Affect**. NCDOT, FHWA, and USACE agreed to two conservation measures which apply only to the 30 current known/potential counties, which includes Pitt County. A review of the NCNHP records, updated January 2022, indicates no roost trees are located in Pitt County.

Bald and Golden Eagle Protection Act (BGPA):

Bald Eagle: Foraging habitat for bald eagle exists within 1.13 miles of the project study area. No individuals or nests were observed during the field survey. A review of NCNHP records, updated January 2022, indicates no known occurrences of the bald eagle within 1.0 mile the project study area. Due to the lack of known occurrences, individuals, nests, and minimal impact anticipated for the project, it has been determined that this project will not affect this species.

E. Conclusion:

The above NEPA/SEPA documentation has been reevaluated (as required by either 23 CFR 771 or by NC General Statute Chapter 113A Article 1). It has been determined that the current proposed action is essentially the same as the original proposed action. Proposed changes, if any, are noted in Section D. It has been determined that anticipated social, economic, and environmental impacts were accurately described in the above referenced document(s) unless noted otherwise herein. Therefore, the original Administrative Action remains valid.

**F. Coordination**

NCDOT personnel have discussed the current project parameters with qualified NCDOT representatives and FHWA (where applicable). The TGS Project Manager, Marcus Lowery, PE, hereby verifies the involvement of the following staff and the incorporation of their technical input:

Design Engineer: TGS Engineers	Marcus Lowery, PE	02/02/2022
Environmental Specialist: NCDOT Environmental Analysis Unit	Deanna Riffey	02/10/2022
Hydraulics Engineer TGS Engineers	David Petty, PE	02/14/2022

**G. Consultation Approval for NCDOT Project TIP No. B-4786:****Prepared By:**

3/4/2022 | 8:53 AM EST

Date

DocuSigned by:

*Stacy Oberhausen*

Stacy Oberhausen, PE, CPM  
TGS Engineers

**Prepared For:**

3/4/2022 | 9:31 AM EST

Date

DocuSigned by:

*Jacquelyn Bowles, PE*

Jacquelyn Bowles, PE  
NCDOT, Structures Management Unit

**Reviewed By:**

3/4/2022 | 9:32 AM EST

Date

DocuSigned by:

*Colin Mellor*

Colin Mellor, Eastern Regional Team Lead  
NCDOT, Environmental Policy Unit

**Approved**

In adherence with 23 CFR 771 (NEPA) or NC General Statute Chapter 113A Article 1 (SEPA), NCDOT approves this Consultation.

or

**Certified**

NCDOT staff certifies if FHWA signature was previously required or where changes have resulted in FHWA signature being required.

3/4/2022 | 6:35 AM PST

Date

DocuSigned by:

*David Stutts, PE*

David Stutts, PE, Project Engineer, PEF/Program Management  
NCDOT, Structures Management Unit

**FHWA Approved:** FHWA signature required for Type I(B) CE, Type II(B) CE, Type III CE, FONSI or ROD.

N/A

Date

John F. Sullivan, III, PE, Division Administrator  
Federal Highway Administration

H. Project Commitments (as of 03/04/2022)

**Pitt County**  
**Replace Bridge No. 38 on US 13 over the Tar River**  
**Federal Project No. 0013069**  
**WBS No. 38222.3.3**  
**TIP No. B-4786**

*New, revised, or updated commitments are in italics.*

**NCDOT Division 2 - Anadromous Fish and Primary Nursery Area**

A moratorium on in-water work will be in place from February 15 to September 30 of any given year. Stream Crossing Guidelines for Anadromous Fish will be implemented in the design and construction of this project.

**NCDOT Division 2 Construction – Buffer Rules**

The Tar-Pamlico River Buffer Rule applies to this project.

**NCDOT Hydraulic Design Unit – FEMA Coordination**

The Hydraulic Unit will coordinate with the NC Floodplain Mapping Program (FMP) to determine the status of the project with regard to applicability of NCDOT's Memorandum of Agreement, or approval of a Conditional Letter of Map Revision (CLOMR) and subsequent final Letter of Map Revision (LOMR).

**NCDOT Division 2 Construction – FEMA**

This project involves construction activities on or adjacent to FEMA-regulated stream(s). Therefore, the Division shall submit sealed as-built construction plans to the Hydraulic Unit upon completion of project construction, certifying that the drainage structure(s) and roadway embankment that are located within the 100-year floodplain were built as shown in the construction plans, both horizontally and vertically.

**NCDOT Division 2 – Atlantic Sturgeon**

*A moratorium on in-water work will be in place from February 15 to September 30 of any given year to prevent the disruption of the Atlantic sturgeon spawning runs/migration activities. Programmatic Biological Evaluation guidelines are expected to be followed with the exception of the drill shaft threshold exceedance. The following conditions are expected to be followed:*

- *Contractor will comply with NCDOT BMPs for Bridge Demolition and Removal*
- *Follow all stream crossing guidelines for anadromous fish passage*
- *Implement NCDOT Design Standards in Sensitive Watersheds*
- *Debris will be disposed of in accordance with Section 802 of the 2012 Standard Specifications*
- *Compliance includes:*
  - *Existing bridge piles in navigation channel will be removed completely, unless not practicable, and piles located in wetland areas will be cut off below the mudline to minimize overall disturbance*
  - *Use of turbidity curtains will be evaluated for areas with sufficient depth, but lower velocity. Turbidity will be monitored during in-water work to ensure compliance with state water quality standards*
  - *Non-shattering methods will be implemented (no explosives) for bridge removal. No bridge deck or substructure components will be dropped in the water*
  - *Loose debris and road surface materials will be removed prior to demolition to minimize the potential for turbidity and contaminant discharge*

### **NCDOT Division 2 – Tar River spiny mussel, Atlantic pigtoe, and Neuse River waterdog**

Surveys for Tar River spiny mussel will be conducted prior to construction authorization of the project.

*02/22/2022 Update: Target species were not located during the 2021 aquatic surveys, but appropriate habitat is present. Based upon the survey results for the Neuse River waterdog, Atlantic pigtoe, and Tar River spiny mussel it is unlikely that adverse effects will result from project construction. The Programmatic Biological Opinion for the mussel species and the Programmatic Conference Opinion for the Neuse River waterdog will be adhered to for this project.*

### **NCDOT Division 2 – West Indian Manatee**

The project will adhere to “Guidelines for Avoiding Impacts to the West Indian Manatee, *Precautionary Measures for Construction Activities in North Carolina Waters.*”

### **NCDOT Division 2 Construction – Wetlands**

Wetlands will be cleared by hand.

### **NCDOT Division 2 Construction – FAA Coordination**

*Due to proximity of the Pitt-Greenfield Airport, coordination between the contractor and the Federal Aviation Administration will need to occur prior to construction in order to complete form 7460.*

### **NCDOT Division 2 Construction, Structures Management Unit – Proposed South Tar River Greenway**

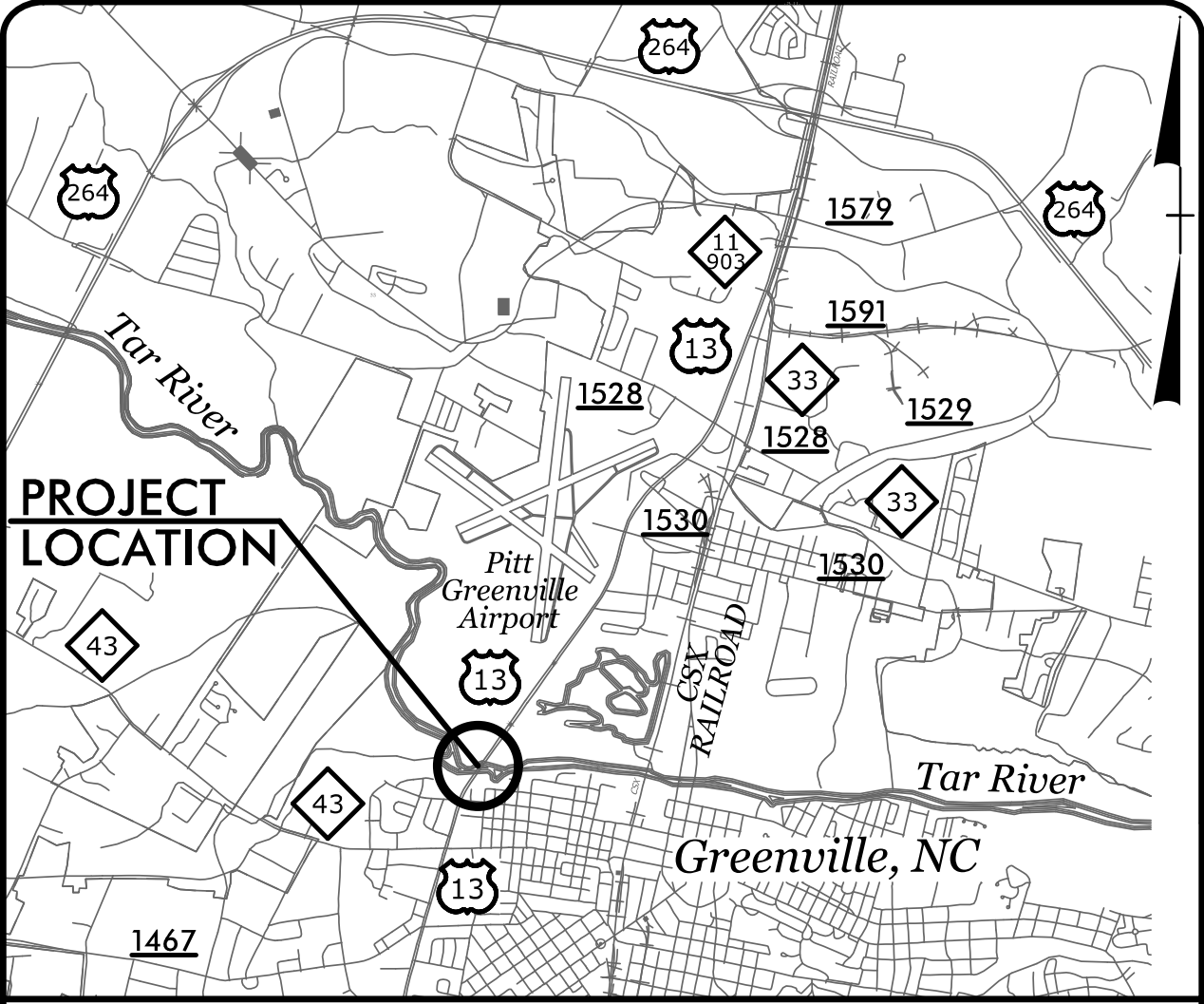
*The South Tar River Greenway is proposed to pass underneath Bridge No. 38. NCDOT has coordinated with and jointly-planned for accommodation of this greenway with the City of Greenville. No impacts resulting in a “use” under Section 4(f) of the USDOT Act of 1966 are anticipated to result from the proposed project. NCDOT will continue coordination with the City of Greenville regarding accommodating the South Tar River Greenway during the final design and construction phases.*





09.08/2019

See Sheet 1A For Index of Sheets  
See Sheet 1B For Conventional Plan Sheet Symbols  
See Sheet RW01 Through RW05 For Survey Control and Right-of-Way Sheets



VICINITY MAP

100% PLANS SUBMITTAL

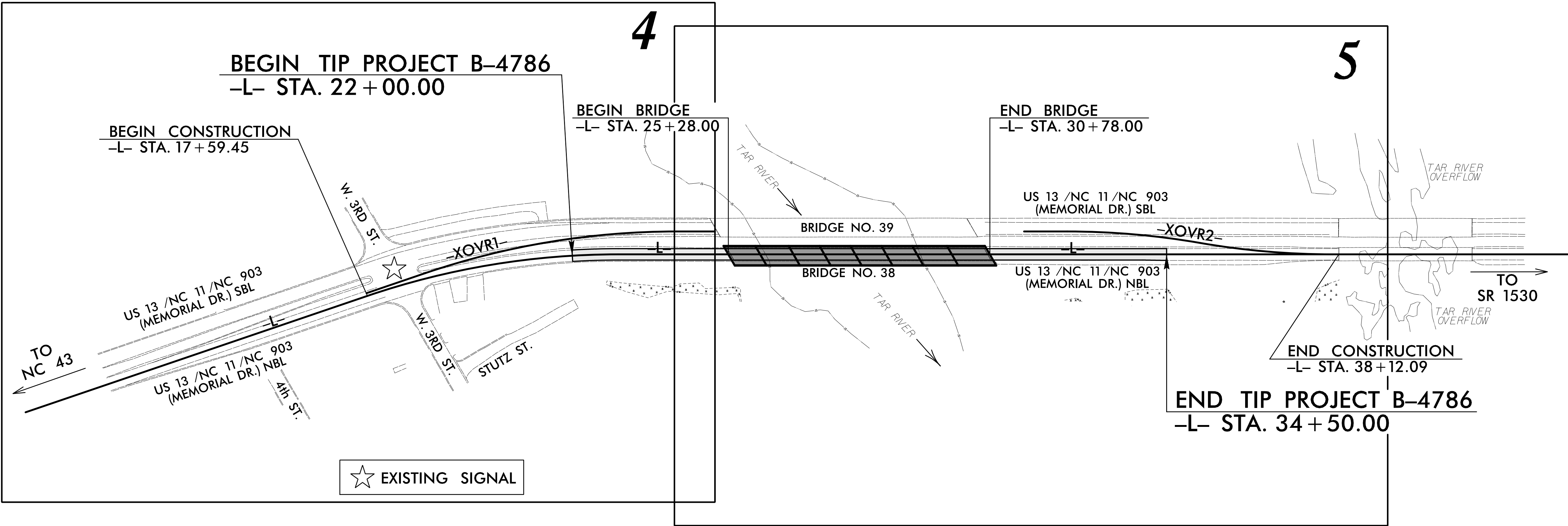
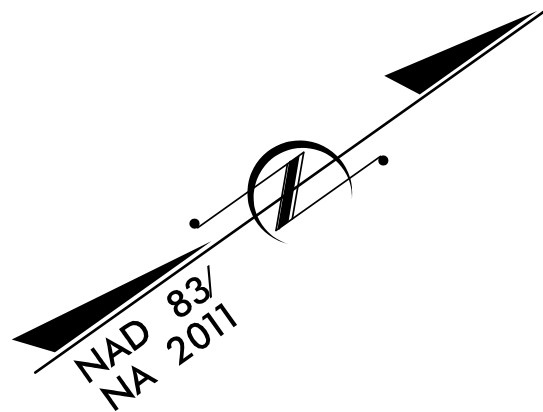
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

PITT COUNTY

LOCATION: REPLACE BRIDGE NO. 38 OVER THE TAR RIVER  
ON US 13 IN GREENVILLE

TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURE

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4786	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
38222.1.FR2	BRSTP-0013(041)	PE	
38222.2.2	BRSTP-0013(041)	R/W, UTIL	
38222.3.3	0013069	CONST.	



★ EXISTING SIGNAL

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



PLANS



PROFILE (HORIZONTAL)



PROFILE (VERTICAL)

DESIGN DATA

ADT 2022 = 14300 NBL  
15300 SBL  
ADT 2042 = 17750 NBL  
K = 8 %  
D = 55 %  
T = 6 % \*  
V = 50 MPH  
\* TTST = 3% DUAL 3%  
FUNC CLASS =  
PRINCIPAL ARTERIAL  
REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT B-4786 = 0.133 mile  
LENGTH STRUCTURES TIP PROJECT B-4786 = 0.104 mile  
TOTAL LENGTH TIP PROJECT B-4786 = 0.237 mile

Prepared For:  
**DIVISION OF HIGHWAYS**  
1000 Birch Ridge Dr., Raleigh NC, 27610



TGS ENGINEERS  
706 HILLSBOROUGH ST  
SUITE 200  
RALEIGH, NC 27603

By:

PH (919) 773-8887  
CORP. LICENSE NO.:  
C-0275

2018 STANDARD SPECIFICATIONS

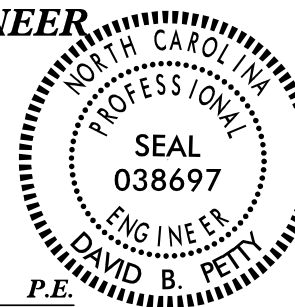
RIGHT OF WAY DATE:  
APRIL 16, 2020

LETTING DATE:  
MAY 17, 2022

V. MARCUS LOWERY, PE  
PROJECT ENGINEER

DAVID STUTTS, PE  
NCDOT CONTACT

HYDRAULICS ENGINEER

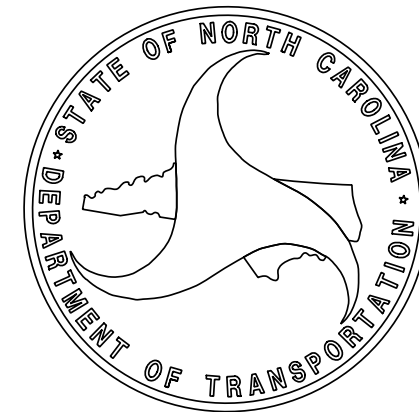


SIGNATURE:

ROADWAY DESIGN  
ENGINEER



SIGNATURE:



12/10/2021  
C:\Projects\NCDOT\B-4786\Roadway\Proj\B4786\_rdy\_tsh.dgn  
User:mlowery

TIP PROJECT: B-4786

CONTRACT: C204376