

09/28/19

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-2707D	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
34497.1.FS6	NHS-0074(164)	P.E.	
34497.2.13	N/A	RW & UTIL.	
34497.3.12	N/A	CONST.	

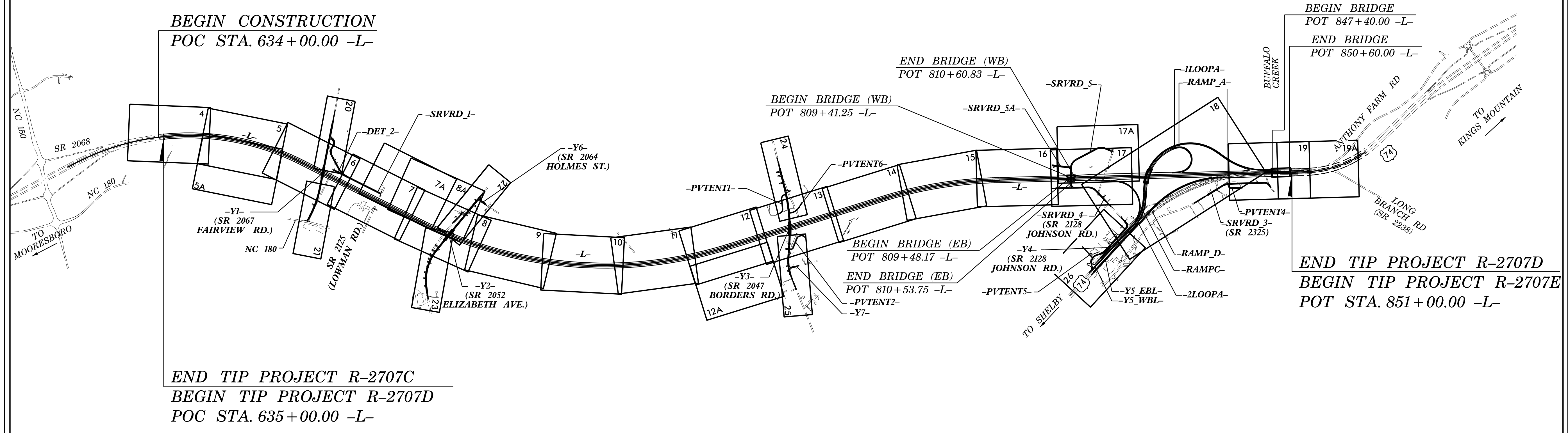
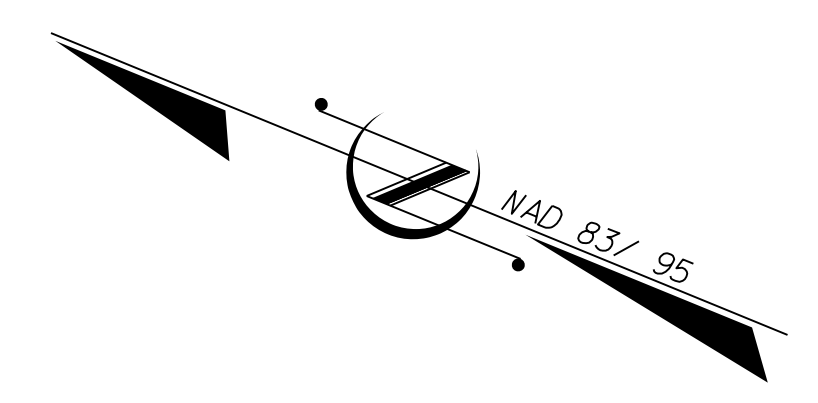
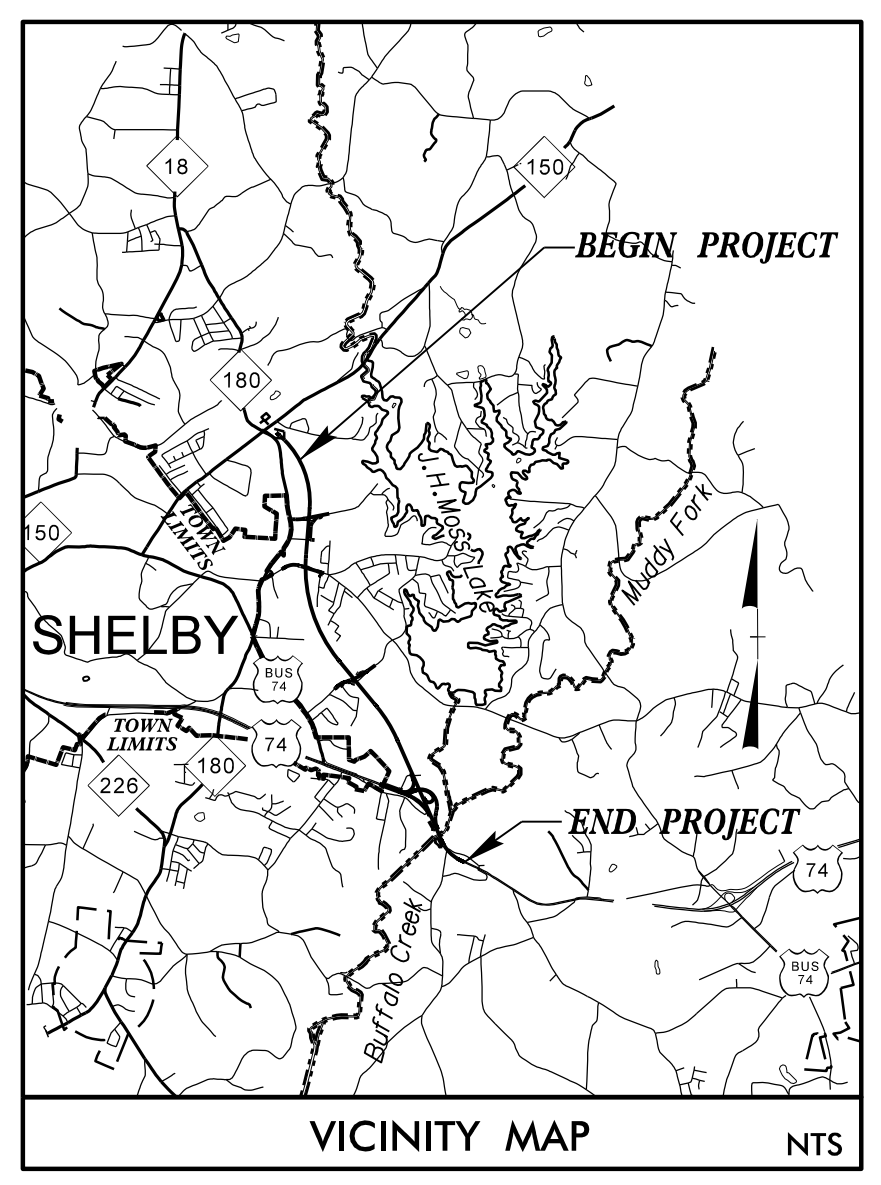
PART 1

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

CLEVELAND COUNTY

**LOCATION: US 74, SHELBY BYPASS FROM EAST OF NC 150
TO EXISTING US 74, WEST OF SR 2238
(LONG BRANCH ROAD)**

**TYPE OF WORK: GRADING, DRAINAGE, PAVING, STRUCTURES, SIGNING,
RETAINING WALL, & NOISE WALL**

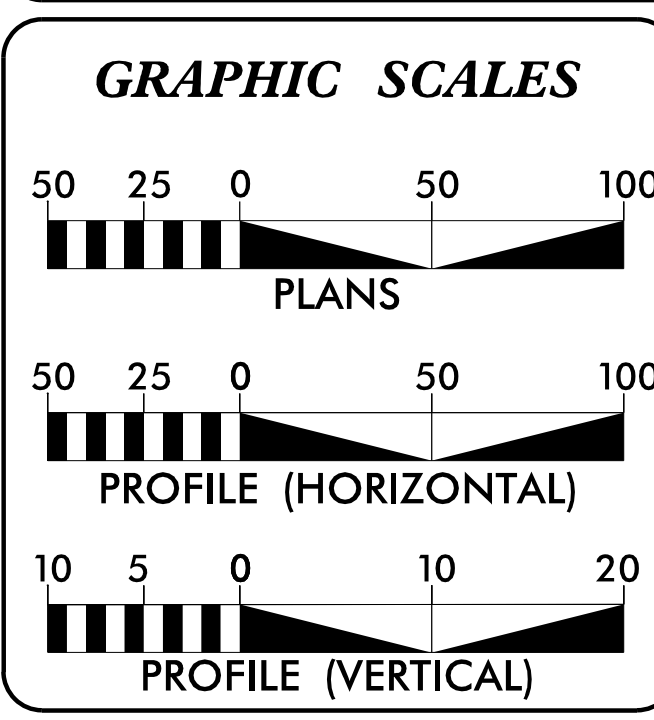


TIP PROJECT: R-2707D

CONTRACT: C204851

THIS IS A CONTROLLED ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



DESIGN DATA

ADT 2019 =	41,600
ADT 2043 =	61,700
K =	11 %
D =	55 %
T =	15 % *
V =	70 MPH
* TTST =	10% DUAL 5%
FUNC CLASS =	FREEWAY STATEWIDE TIER

PROJECT LENGTH

LENGTH OF ROADWAY TIP PROJECT R-2707D	=	4.008 MI.
LENGTH OF STRUCTURE TIP PROJECT R-2707D	=	0.083 MI.
TOTAL LENGTH OF TIP PROJECT R-2707D	=	4.091 MI.

STRUCTURE LENGTHS BASED ON WB LANES

PREPARED IN THE OFFICE OF:

Stantec
Stantec Consulting Services Inc. Tel. (919) 851-8866
801 Jones Franklin Road Fax. (919) 851-7024
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SUNGATE DESIGN GROUP, P.A.
905 JONES FRANKLIN ROAD
RALEIGH, NORTH CAROLINA 27606
TEL (919) 859-2243
ENG FIRM LICENSE NO. C-890

FOR THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
01 / 10 / 2019

LETTING DATE:
07 / 18 / 2023

JOSEPH T. KELVINGTON, P.E.
PROJECT ENGINEER

MATTHEW FERGUSON, P.E.
PROJECT DESIGN ENGINEER

BRYAN SOWELL, P.E.
NCDOT DIVISION 12

HYDRAULICS ENGINEER

DocuSigned by:
Jeslwa G. Dalton
SIGNATURE: _____ P.E.
4/21/2023

ROADWAY DESIGN ENGINEER

DocuSigned by:
Matthew Ferguson
SIGNATURE: _____ P.E.
4/21/2023

4/18/2023 c:\users\mferguson\documents\p_w_working\dms42562\R2707D_RDY_TSH.dgn mferguson