

09/08/19

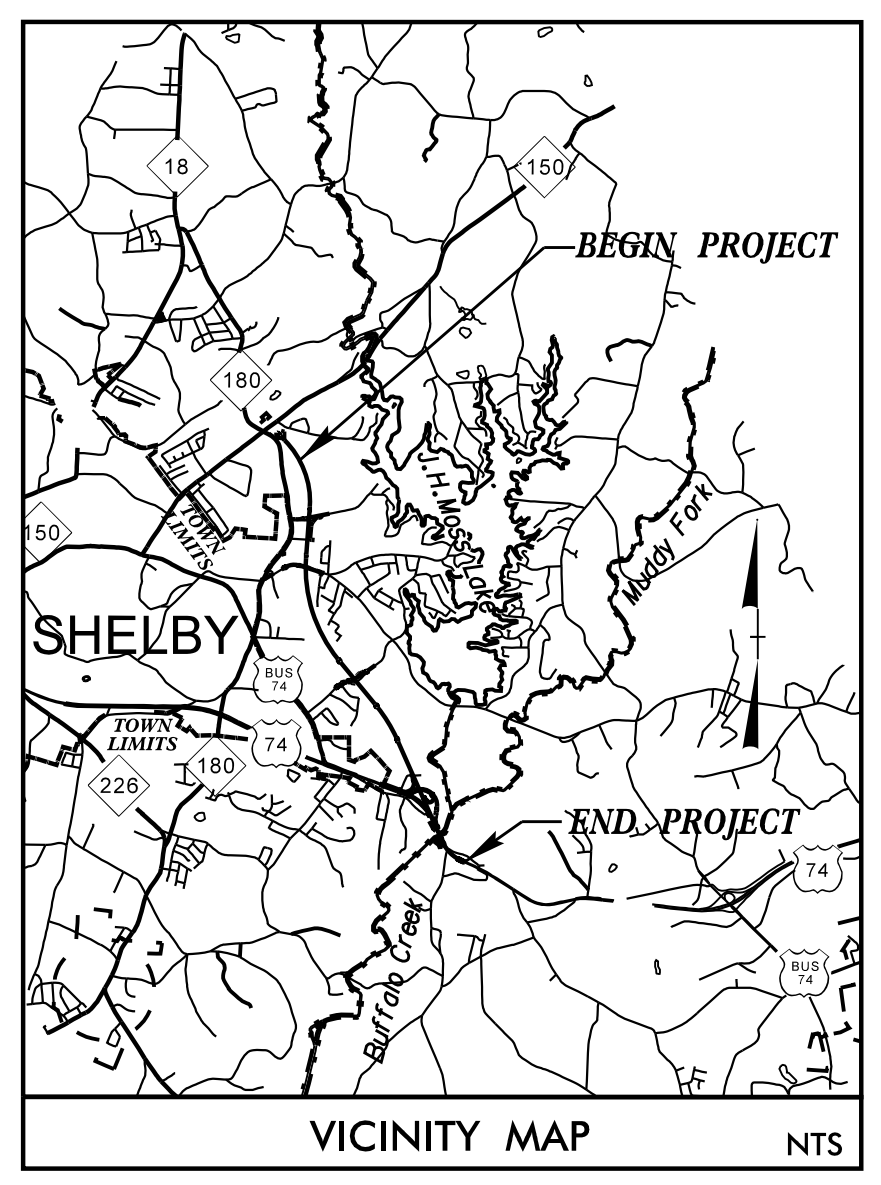
TIP PROJECT: R-2707D
CONTRACT: C204851

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CLEVELAND COUNTY

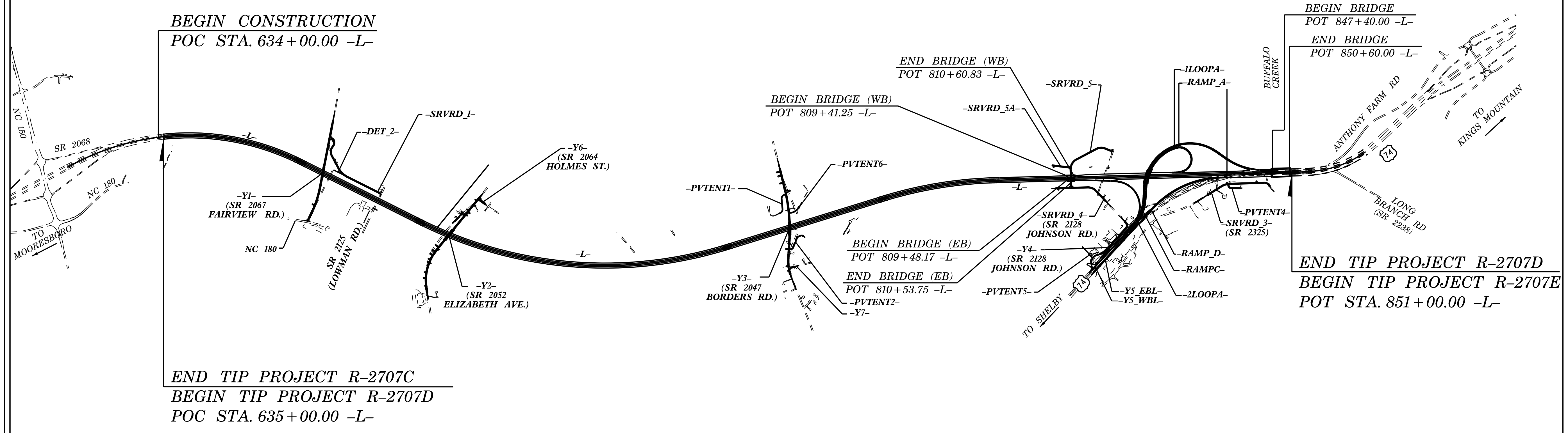
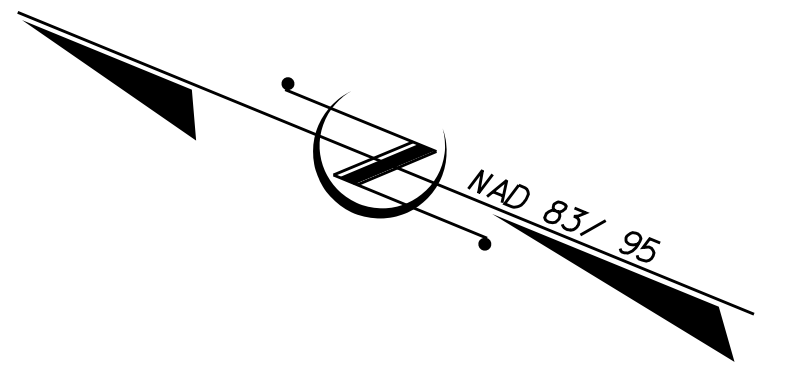
LOCATION: US 74, SHELBY BYPASS FROM EAST OF NC 150
TO EXISTING US 74, WEST OF SR 2238
(LONG BRANCH ROAD)

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



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



STRUCTURES

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

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

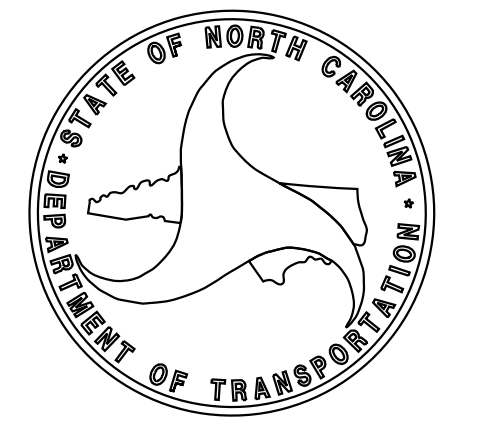
PREPARED IN THE OFFICE OF:
 Stantec
 Stantec Consulting Services Inc. Tel. (919) 851-8866
 801 Jones Franklin Road Fax. (919) 851-7024
 Suite 300 www.stantec.com
 Raleigh, NC 27606 License No. F-0672

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

BRYAN SOWELL, P.E.
 NCDOT DIVISION 12



\$\$\$\$\$ SYSTEM \$\$\$\$\$\$
\$\$\$\$\$ DGN \$\$\$\$\$\$
\$\$\$\$\$ USERNAME \$\$\$\$\$\$