

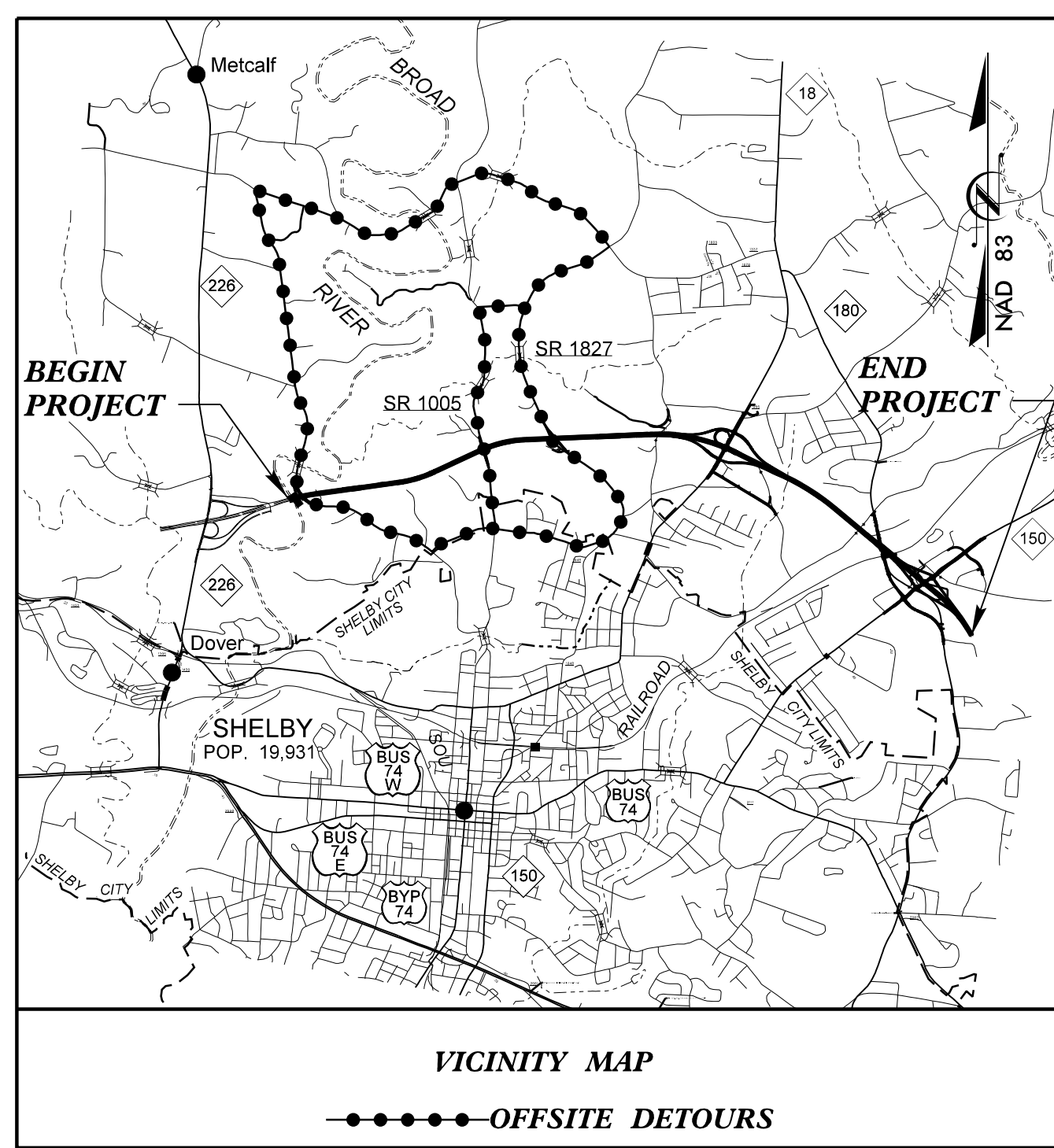
09.08/2017

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gmodlin

TIP PROJECT: R-2707C

CONTRACT: C203905

See Sheet 1A For Index of Sheets
See Sheet 1B For Conventional Symbols

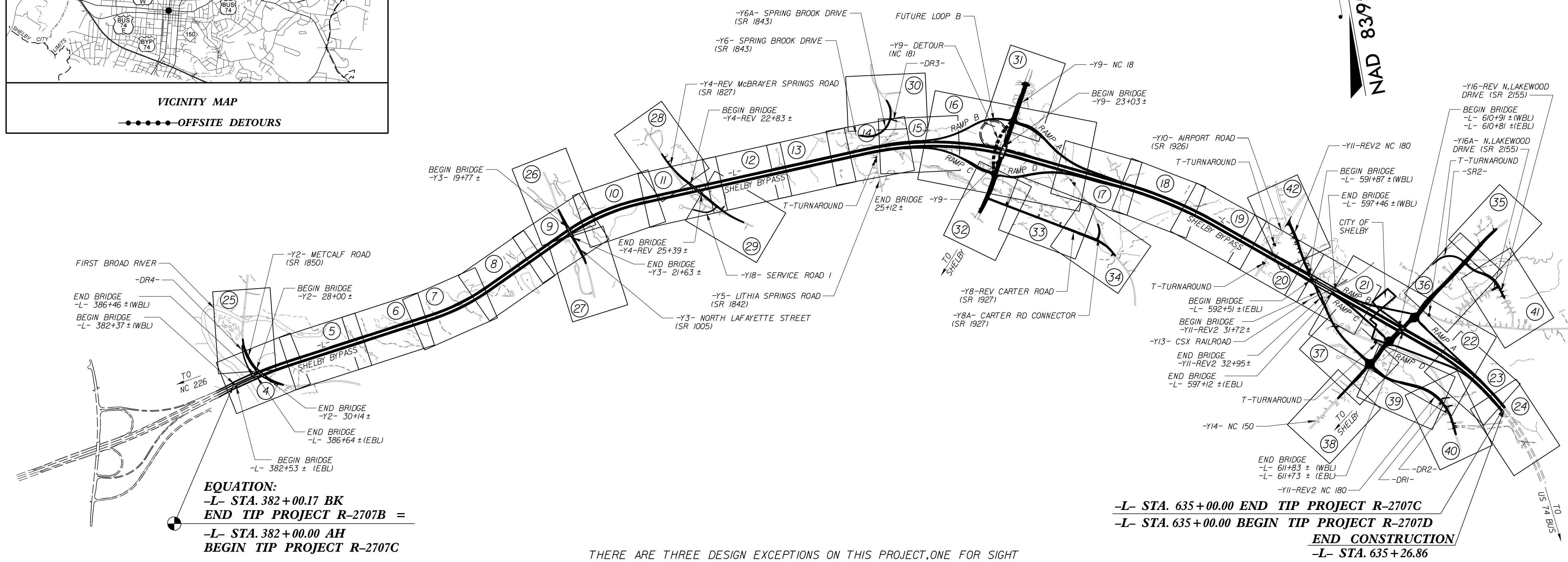


STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS CLEVELAND COUNTY

LOCATION: US 74 SHELBY BYPASS FROM EAST OF NC 226
TO EAST OF NC 150

TYPE OF WORK: GRADING, PAVING, DRAINAGE, SIGNING,
RETAINING WALLS, CULVERTS, AND STRUCTURE

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-2707C	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
34497.1.4		P.E.	
34497.2.FS9	NHF-0074(152)	ROW	
34497.2.FSU4	NHF-0074(152)	UTILITY	
34497.3.6		CONST	



EQUATION:
-L- STA. 382+00.17 BK
END TIP PROJECT R-2707B =
-L- STA. 382+00.00 AH
BEGIN TIP PROJECT R-2707C

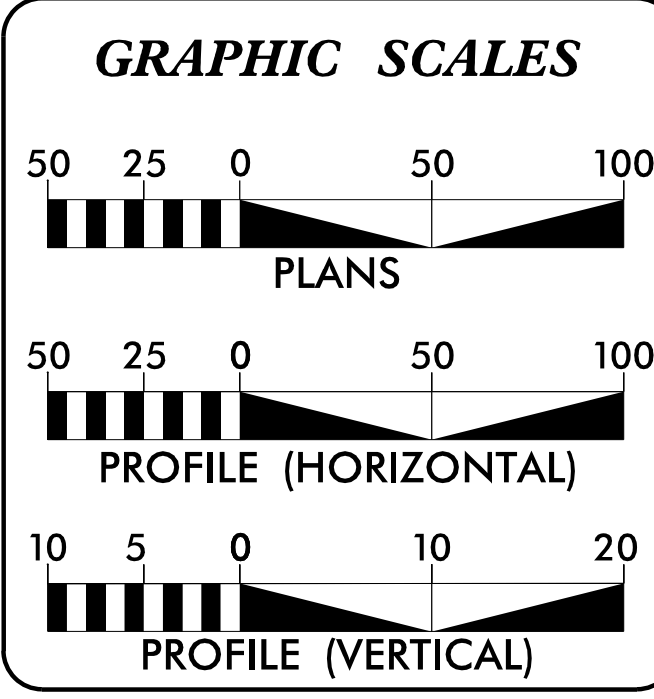
-L- STA. 635+00.00 END TIP PROJECT R-2707C
-L- STA. 635+00.00 BEGIN TIP PROJECT R-2707D
END CONSTRUCTION
-L- STA. 635+26.86

THERE ARE THREE DESIGN EXCEPTIONS ON THIS PROJECT, ONE FOR SIGHT DISTANCE ON -Y2- AND TWO FOR k VALUE ON -Y14- PROFILE.

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

NC DOT CONTACT: GARY LOVERING, PE

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



DESIGN DATA

ADT 2017 =	21,010
ADT 2037 =	35,110
K =	11 %
D =	55 %
T =	14 % *
V =	70 MPH
FUNC CLASS =	FREEWAY
(* TTST 9% DUAL 5%)	STATEWIDE TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT R-2707C	= 4.591 MILES
LENGTH STRUCTURES TIP PROJECT R-2707C	= 0.201 MILES
LENGTH TIP PROJECT R-2707C	= 4.792 MILES

NOTE : PROJECT LENGTH BASED ON WBL

Prepared for NCDOT in the Office of:

moffatt & nichol
4700 FALLS OF NEUSE ROAD, SUITE 300
RALEIGH, NORTH CAROLINA 27609
(919) 781-4626 VOICE (919) 781-4869 FAX
PE (F-0105)

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
November 21, 2014

LETTING DATE:
May 16, 2017

TIM R. REID, P.E.
PROJECT ENGINEER

TRENT E. HUFFMAN, P.E.
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SDG
Sungate Design Group, P.A.
915-A Jones Franklin Rd.
Raleigh, N.C. 27606

DocuSigned by:
Julian G. Dalton
SIGNATURE: 1089A8C14994C3 P.E. 4/12/2017

ROADWAY DESIGN ENGINEER

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