

4/19/2023  
 P:\a\decocom-na-pw.bentley.com\AECOM\_DS2L\_NA\_2020\Documents\60609754-U-5748 Ligon Mill\900-CAD GIS\910-CAD\70\_NCDOT\_TIP\Structures\400\_001\_U-5748\_SMU\_TSH  
 09\_08/299

**TIP PROJECT: U-5748**

**CONTRACT: C204786**

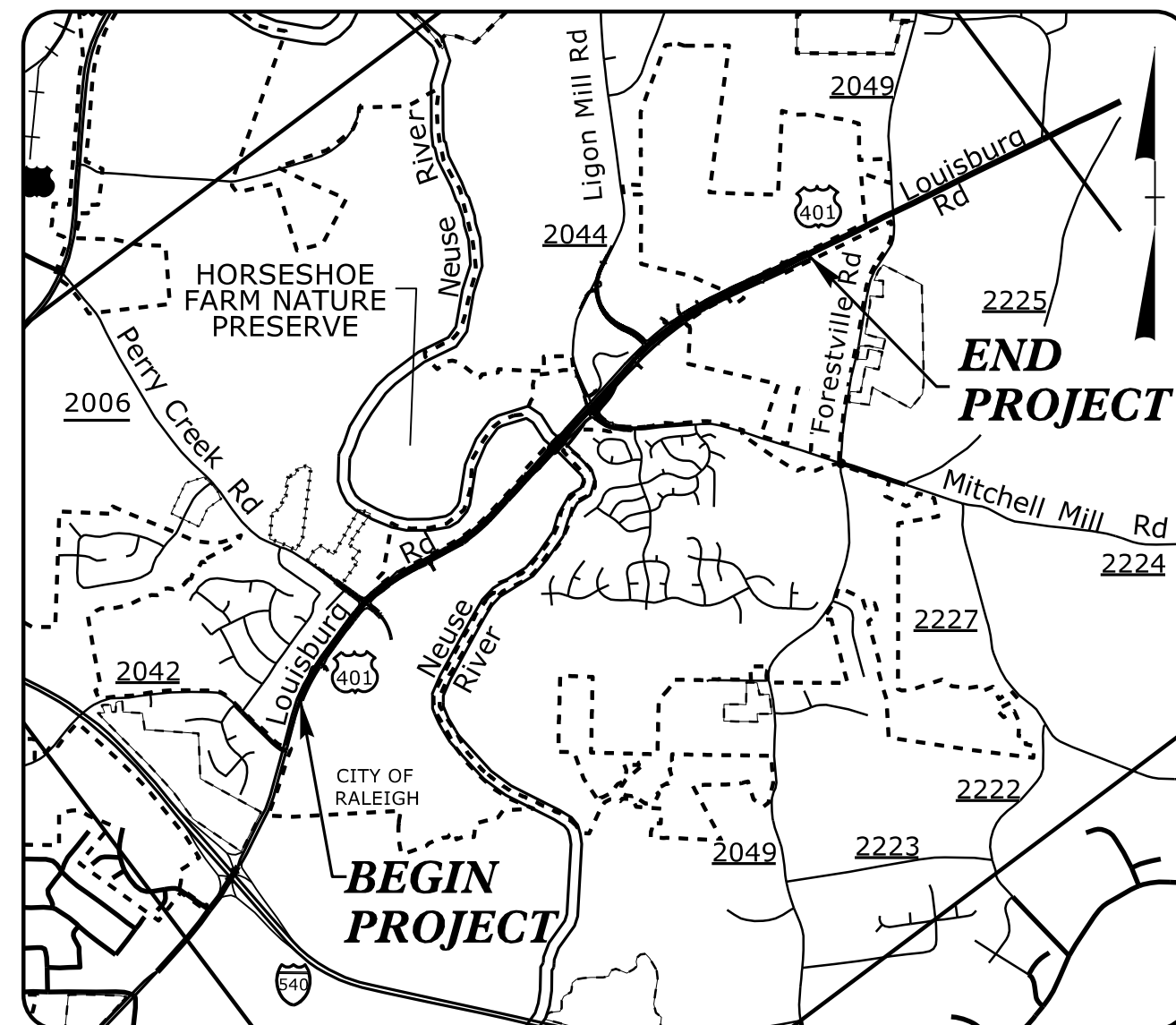
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**WAKE COUNTY**

**LOCATION: US 401 (LOUISBURG RD) AT SR 2044 (LIGON MILL RD) /  
SR 224 (MITCHELL MILL RD) AND SR 2006 (PERRY CREEK  
ROAD) INTERSECTION IMPROVEMENTS**  
**TYPE OF WORK: GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES**

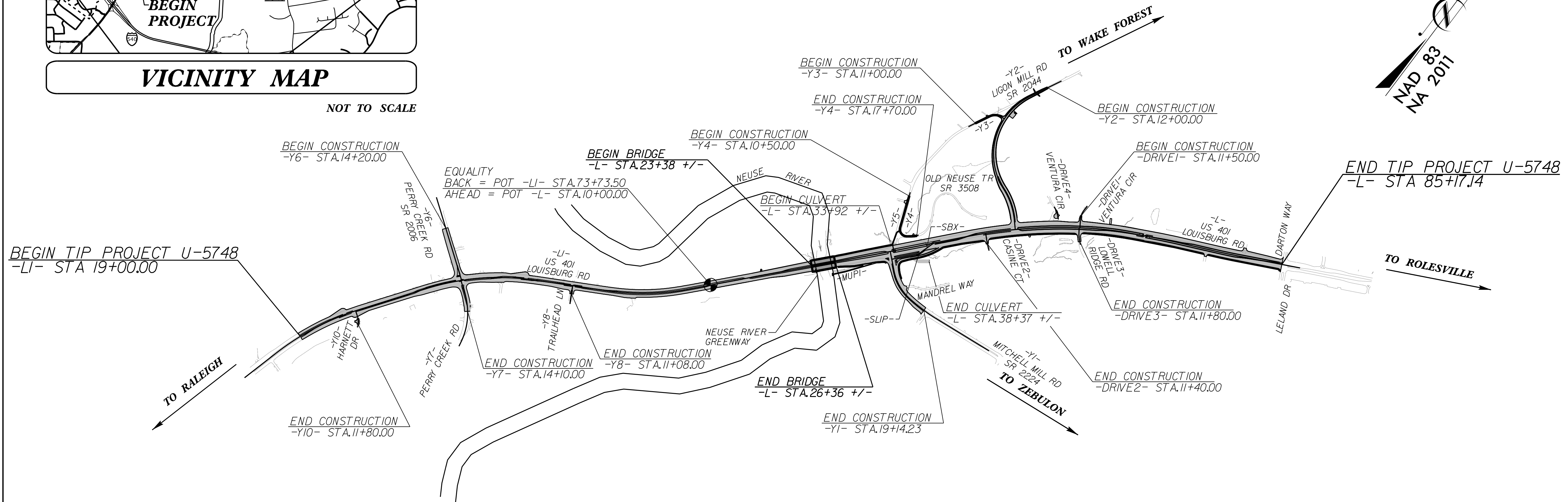
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5748		
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50168.1.1		P.E.	
50168.2.1		RW & UTILITIES	
50168.3.1		CONSTRUCTION	

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

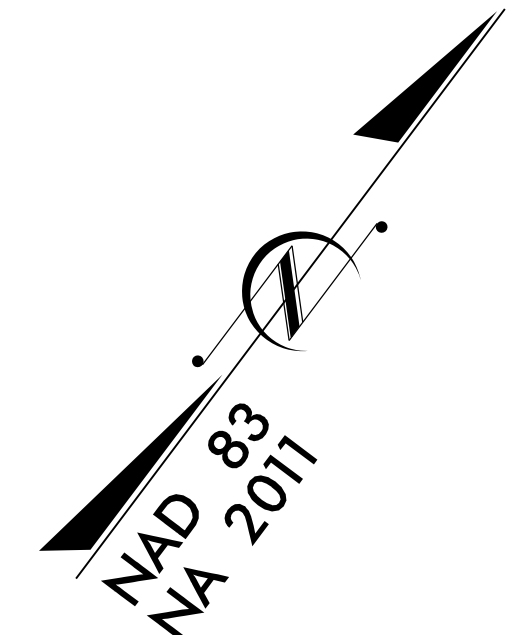


**VICINITY MAP**

NOT TO SCALE



**STRUCTURES**



**DESIGN DATA**

ADT 2022 =	38,425
ADT 2042 =	58,842
K =	10 %
D =	55 %
T =	3% % *
V =	50 MPH
* TTST =	1% DUAL 2%
FUNC CLASS =	PRINCIPAL ARTERIAL REGIONAL TIER

**PROJECT LENGTH**

LENGTH ROADWAY TIP PROJECT U-5748 =	2.403 MI
LENGTH STRUCTURE TIP PROJECT U-5748 =	0.057 MI
TOTAL LENGTH TIP PROJECT U-5748 =	2.460 MI

Prepared in the Office of:

**AECOM**  
2018 STANDARD SPECIFICATIONS

NC FIRM LICENSE No: F-0342  
5438 Wade Park Blvd., Suite 200  
Raleigh, NC 27607  
(919) 854-6200 - (919) 854-6259(FAX)

**RIGHT OF WAY DATE:**  
JANUARY 8, 2021

**LETTING DATE:**  
JULY 18, 2023

<b>EDWARD GLENN EDENS JR., P.E.</b> PROJECT ENGINEER
<b>ELIZABETH WARGO, P.E.</b> PROJECT DESIGN ENGINEER
<b>JOHN CONFORTI, P.E.</b> NCDOT PROJECT ENGINEER

**STRUCTURE DESIGN ENGINEER**

<p>Gregory R. Coles 4/19/2023</p>	<p>John C. Morrison 4/19/2023</p>
SIGNATURE:	

