

K:\V\DOT_Structures\Culvert\NC\01036528 - U-6105\Cad\Dgn\U-6105_rdy_1std.dgn

11/6/2025

CONTRACT: C205095

TIP PROJECT: U-6105

STRUCTURES

DESIGN DATA

AADT 2025 = N/A
AADT 2040 = 5,100
K = 4%
D = 51%
T = 3%*
V = 40 MPH

CLASSIFICATION:
MINOR COLLECTOR

* 2% TTST 1% DUAL
SUB-REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT U-6105 = 0.461 MILES
LENGTH STRUCTURE TIP PROJECT U-6105 = 0.006 MILES
TOTAL LENGTH TIP PROJECT U-6105 = 0.467 MILES

-L- USED TO CALCULATE PROJECT LENGTH

PLANS PREPARED FOR
THE NCDOT BY:

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

JULY 26, 2022

LETTING DATE:

FEBRUARY 17, 2026

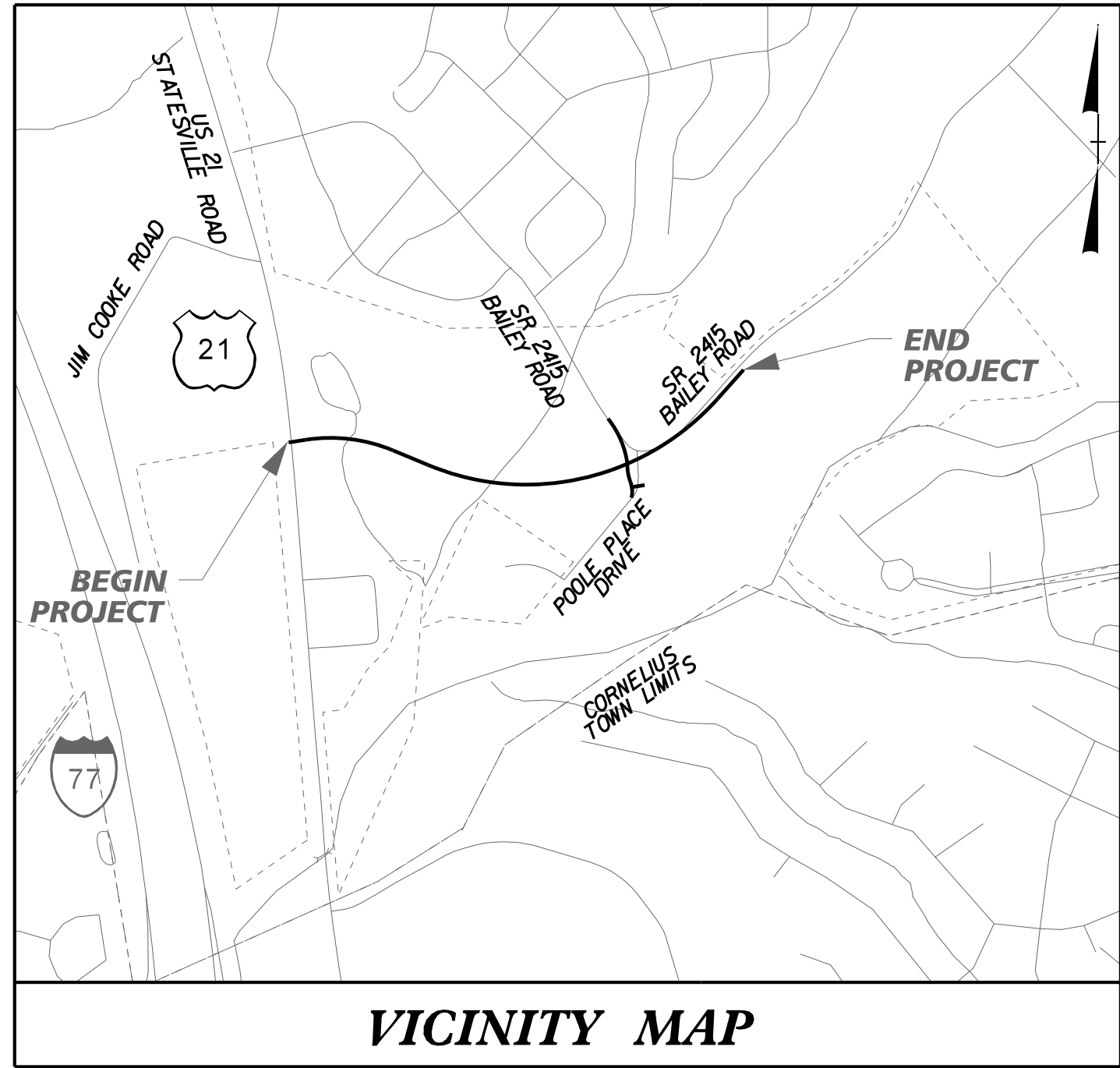
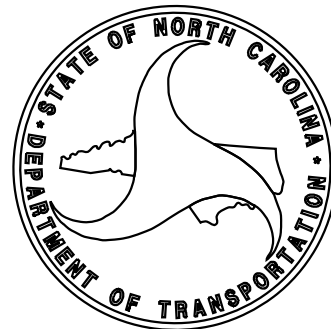
Kimley»Horn

NC LICENSE #F-0102
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PHONE: (704) 333-5131

ANDREW L. PHILLIPS, P.E.
PROJECT ENGINEER

BEKAH M. KROL, P.E.
PROJECT DESIGN ENGINEER

YANWEI MA, P.E.
DM-STIP PROJECT MANAGER



VICINITY MAP

Note: Not to Scale

BEGIN TIP PROJECT
U-6105
-L- STA. 10+00.00

BEGIN CONSTRUCTION
-G2- STA. 10+05.00

BEGIN CONSTRUCTION
-G1- STA. 10+00.00

END CONSTRUCTION
-G1- STA. 13+00.00

END CULVERT 1
STA. 21+11.59 -L-

BEGIN CULVERT 1
STA. 20+99.38 -L-

BEGIN CULVERT 2
STA. 21+84.63 -L-

END CULVERT 2
STA. 22+19.13 -L-

END CONSTRUCTION
-Y4- STA. 10+85.00

BEGIN CONSTRUCTION
-Y3- STA. 10+00.00

END TIP PROJECT
U-6105
-L- STA. 34+66.65

LOCATION: SR 2415 (BAILEY ROAD) FROM POOLE PLACE DRIVE
TO US 21 (STATESVILLE ROAD) IN CORNELIUS
CONSTRUCT ROADWAY ON NEW LOCATION

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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

MECKLENBURG COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-6105		
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
48173.1.1	STBGDA-2415(001)	PE	
48173.2.1	STBGDA-2415(001)	ROW, UTL	
48173.3.1	STBGDA-2415(001)	CONST	

