

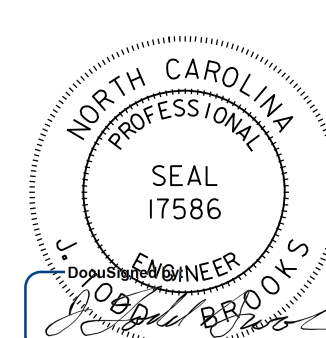
T.I.P.: R-2233BB

CONTRACT: C204397

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
RUTHERFORD COUNTY**

**LOCATION: US 221 SOUTH OF US 74 BUSINESS (CHARLOTTE ROAD)
TO NORTH OF SR 1366 (ROPER LOOP ROAD)**

TIP NO. R-2233BB	SHEET NO. SIGN-1
APPROVED: _____	
DATE: _____	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

05/02/2022 ADDED RRFB'S
AND ADVANCE WARNING
FLASHING BEACONS
JTB

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
901.10	TYPE 'A' SIGNS
901.20	TYPE 'B' SIGNS
901.50	ARROWS AND SHIELDS
901.70	SIGN STRINGERS AND SUPPORT SPACING
901.80	SIGN MOUNTING DETAILS - FOR TYPE A AND TYPE B SIGNS
903.10	GROUND MOUNTED SIGN SUPPORTS
903.30	BARRIER SIGN SUPPORT ASSEMBLY
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.30	SUPPLEMENTAL SIGN MOUNTING
904.40	MILEPOST AND PLACEMENT
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
910.20	SCHOOL MARKED AND UNMARKED CROSSWALKS / SPEED REDUCTION REQUIREMENTS
910.30	SIGNING SIGNALIZED AND UNSIGNALIZED SUPERSTREET
910.40	SINGLE LANE ROUNDABOUT SIGNING, WITH PEDESTRIANS

GENERAL NOTES

- . SIGNS FURNISHED BY STATE
- . CONFIRM IN WRITING AT LEAST 4 MONTHS IN ADVANCE, THE ACTUAL DATE THE DEPARTMENT FURNISHED SIGNS WILL BE REQUIRED.
- . ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- . IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- . ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- . WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- . DO NOT BEGIN FABRICATION FOR TYPES A & B SIGNS MOUNTED ON OVERHEAD STRUCTURES OR STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

SUMMARY OF QUANTITIES

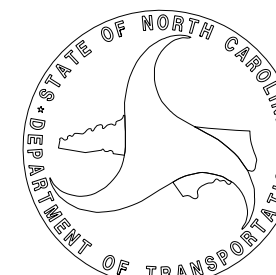
ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	12	C.Y.
4054000000	902	PLAIN CONCRETE SIGN FOUNDATION	2	C.Y.
4057000000	SP	OVERHEAD FOOTING	30	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	4817	LB.
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM	6948	LB.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	5990	L.F.
4078000000	903	SUPPORTS, 2 LB STEEL U-CHANNEL	10	EA.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE @ STA. 861+15 -L3-	1	L.S.
4096000000	904	SIGN ERECTION, TYPE D	5	EA.
4102000000	904	SIGN ERECTION, TYPE E	330	EA.
4108000000	904	SIGN ERECTION, TYPE F	73	EA.
4109000000	904	SIGN ERECTION, TYPE A (OVERHEAD)	3	EA.
4109000000	904	SIGN ERECTION, TYPE B (OVERHEAD)	2	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	18	EA.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)	9	EA.
4114000000	904	SIGN ERECTION, MILEMARKERS	9	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE D	3	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE E	3	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE F	2	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	93	EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	4	EA.
4238000000	907	DISPOSAL OF SIGN, D, E OR F	12	EA.
4360000000	SP	ADVANCED WARNING FLASHING BEACONS ASSEMBLY	3	EA.
4360000000	SP	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY	4	EA.
4370000000	SP	GENERIC SIGNING ITEM (LS)-DISPOSAL OF FLASHER SYSTEM	1	L.S.
4915000000	1264	7' U-CHANNEL POSTS	48	EA.
4955000000	1264	OBJECT MARKERS (END OF ROAD)	54	EA.
7642200000	1743	TYPE II PEDESTAL WITH FOUNDATION	7	EA.

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	GROUND MOUNTED SUPPORT DESIGNS
SIGN-3	OVERHEAD SIGN STRUCTURE DRAWING
SIGN-4A THRU SIGN-4G	SIGN DESIGNS AND OVERLAY PLACEMENT DETAILS
SIGN-4H THRU SIGN-4K	TYPE "E" AND "F" SIGNS
SIGN-5A THRU SIGN-5BB	SIGN DETAIL SHEETS

PLAN SUBMITTED TO:

Kelvin L. Jordan SIGNING & DELINEATION REGIONAL ENGINEER
Jose G. Martinez, PE SIGNING & DELINEATION PROJECT DESIGN ENGINEER



PLAN PREPARED BY: DEWBERRY

J. Todd Brooks, PE PROJECT ENGINEER
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