


T.I.P.: U-4751

CONTRACT: C203980

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
NEW HANOVER COUNTY**

**LOCATION: SR 1409 (MILITARY CUTOFF ROAD EXTENSION) FROM SR 1409
(MILITARY CUTOFF ROAD) TO US 17 IN WILMINGTON**

<small>TIP NO.</small> U-4751	<small>SHEET NO.</small> SIGN-1
<small>APPROVED:</small> <u>Charles A. Johnson, III</u> <small>DATE:</small> 7/6/2017	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

<u>STD. NO.</u>	<u>TITLE</u>
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 (EXCEPT 1 OF 3 WHICH IS REPLACED WITH SIGN-2A AND 2 OF 3 WHICH IS REPLACED WITH SIGN-2B IN PLANS)
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.30	SUPPLEMENTAL SIGN MOUNTING
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
1264.01	OBJECT MARKERS TYPES
1264.02	OBJECT MARKERS INSTALLATION

PAY ITEM NOTES

- 1 SIGN ERECTION, TYPE D, E AND F
- 2 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 3 SIGN ERECTION, TYPE B (GROUND MOUNTED)
- 4 SIGN ERECTION, RELOCATE, TYPE D (GROUND MOUNTED)
- 5 DISPOSAL OF SIGN SYSTEM, OVERHEAD
- 6 DISPOSAL OF SIGN SYSTEM, STEEL BEAM
- 7 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 8 DISPOSAL OF SUPPORT, U-CHANNEL
- 9 OBJECT MARKERS (END OF ROAD)

SUMMARY OF QUANTITIES

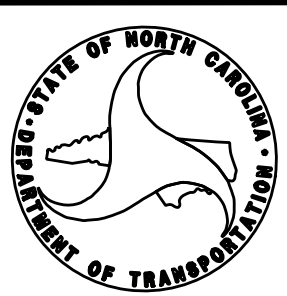
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.		
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	17 C.Y.
4054000000	902	PLAIN CONCRETE SIGN FOUNDATION	2 C.Y.
4057000000	SP	OVERHEAD FOOTING	165 C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	18,086 LB.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	5,185 L.F.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE 'A' AT STATION -Y1- STA. 42+50	1 L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE 'B' AT STATION -Y1- STA. 50+50 LT	1 L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE 'C' AT STATION -L- STA. 40+50 LT	1 L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE 'D' AT STATION -L- STA. 55+50 LT	1 L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE 'E' AT STATION -L- STA. 82+00 LT	1 L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE 'F' AT STATION -L- STA. 167+50	1 L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE 'G' AT STATION -Y8RPDB- STA. 23+50	1 L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE 'H' AT STATION -Y8- STA. 93+50 LT	1 L.S.
4096000000	904	SIGN ERECTION, TYPE D	3 EA.
4102000000	904	SIGN ERECTION, TYPE E	256 EA.
4108000000	904	SIGN ERECTION, TYPE F	30 EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	19 EA.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)	8 EA.
4116100000	904	SIGN ERECTION, RELOCATE, TYPE D (GROUND MOUNTED)	9 EA.
4149000000	907	DISPOSAL OF SIGN SYSTEM, OVERHEAD	1 EA.
4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	2 EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	69 EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	11 EA.
4915000000	1264	7' U-CHANNEL POSTS	12 EA.
4955000000	1264	OBJECT MARKERS (END OF ROAD)	12 EA.

GENERAL NOTES

- . SIGNS FURNISHED BY STATE.
- . ALL SIGNS SEE PAY ITEM NOTE 1 UNLESS OTHERWISE NOTED.
- . 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 TYPE E AND F SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER.
- . ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE RETAINED 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 AND F SIGNS SHALL BE GRADE C REFLECTIVE SHEETING UNLESS OTHERWISE.
- . DO NOT BEGIN FABRICATION FOR TYPE A AND B SIGNS MOUNTED ON OVERHEAD STRUCTURES OR STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.
- . THE NORTH CAROLINA ROUTE NUMBER FOR THE FACILITY IS TO BE DETERMINED AND WILL BE PROVIDED PRIOR TO SIGN FABRICATION.

PLANS REVIEWED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT

AYMAN ALQUDWAH, PE, CPM SIGNING & DELINEATION EASTERN REGIONAL ENGINEER
MITCH EATON, PE SIGNING & DELINEATION PROJECT DESIGN ENGINEER



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INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-1A	KEY SHEET
SIGN-2-2B	SUPPORT INFORMATION
SIGN-3-3G	OVERHEAD STRUCTURE LINE DRAWINGS
SIGN-4-4L	SIGN DESIGNS, AND TYPE E AND F SHEETS
SIGN-5-24	SIGNING PLAN SHEETS