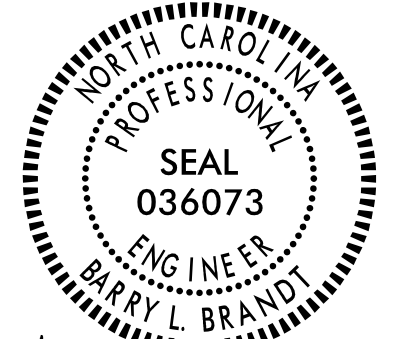


TIP NO. U-5315 A&B	SHEET NO. SIGN-02A
APPROVED: _____	
DATE: _____	
SEAL	
	
DocuSigned by: <i>Barry Brandt</i> 12/8/2017	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4025000000	901	CONTRACTOR FURNISHED, TYPE A SIGN	2135.5	SF
4025000000	901	CONTRACTOR FURNISHED, TYPE B SIGN	218.75	SF
4025000000	901	CONTRACTOR FURNISHED, TYPE D SIGN	104.5	SF
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN	508.5	SF
4025000000	901	CONTRACTOR FURNISHED, TYPE SIGN (OVERLAY)	4	SF
4366000000	SP	CONTRACTOR FURNISHED, TOLL ROUTE ASSEMBLY	484.25	SF
4025000000	901	CONTRACTOR FURNISHED, TYPE MILE MARKER SIGN	73.5	SF
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATIONS	9	CY
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	8991	LB
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM	1434	LB
4072000000	903	SUPPORTS, 3-LB STEEL U-CHANNEL	1447	LF
4096000000	904	SIGN ERECTION, TYPE D	9	EA
4102000000	904	SIGN ERECTION, TYPE E	68	EA
4109000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	9	EA
4366000000	SP	SIGN ERECTION, TOLL ROUTE ASSEMBLY	13	EA
4114000000	904	SIGN ERECTION, MILEMARKERS	5	EA
4116000000	904	SIGN ERECTION, OVERLAY (GROUND MOUNTED)	1	EA
4149000000	907	DISPOSAL OF SIGN SYSTEM, OVERHEAD	4	EA
4152000000	907	DISPOSAL OF SIGN SYSTEM, STEELBEAM	3	EA
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	6	EA
4955000000	1264	OBJECT MARKERS (END OF ROAD)	6	EA

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:


STD. NO.	TITLE
862.01	GUARDRAIL PLACEMENT
862.02	GUARDRAIL INSTALLATION
862.03	STRUCTURE ANCHOR UNITS
901.10	TYPE 'A' SIGNS
901.20	TYPE 'B' SIGNS
901.50	ARROWS AND SHIELDS
901.60	RIVET SPACING FOR OVERLAYED SIGNS
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-02D AND 2 OF 3 WHICH IS REPLACED WITH SIGN-02E IN THE PLANS)
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.40	MILEPOST AND PLACEMENT (REPLACED WITH SIGN-02F IN THE PLANS)
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
1264.01	OBJECT MARKERS
1264.02	OBJECT MARKERS

GENERAL NOTES

- . SIGNING PLANS DO NOT INCLUDE TEMPORARY CONSTRUCTION SIGNING OR PAVEMENT MARKINGS. SEE TRAFFIC CONTROL PLANS AND PAVEMENT MARKINGS PLANS FOR DETAILS.
- . 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.
- . CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES AND STORM DRAINS PRIOR TO CONSTRUCTION.
- . EXIT GORE SIGNS SHALL BE ERECTED ON OMNI-DIRECTIONAL BREAKAWAY SUPPORTS.
- . IF THE GROUNDWATER IS ENCOUNTERED AT A DEPTH SHALLOWER THAN 7 FEET, THE SIGN FOUNDATION MUST BE REDESIGNED BASED UPON THE ACTUAL FIELD CONDITIONS. THE FOUNDATION DESIGN DOES NOT APPLY TO VERY SOFT OR LOOSE SOIL, MUCK, WEATHERED ROCK, OR HARD ROCK.
- . VHB TAPE SHALL ONLY BE USED ON TOLL ROUTE SIGN ASSEMBLIES ON STEEL SUPPORTS AS INDICATED ON SHEETS SIGN-02G AND SIGN-02H.
- . REFER TO OVERHEAD STRUCTURE DRAWINGS (SIGN-21, SIGN-22, SIGN-24, SIGN-25, SIGN-27, SIGN-28, SIGN-29, AND SIGN-32) FOR OVERHEAD SIGN STRUCTURE TRUSS, FOUNDATION AND AESTHETIC COLUMN DESIGNS AND QUANTITIES.
- . REFER TO OVERHEAD STRUCTURE DRAWINGS (SIGN-21, SIGN-23, SIGN-26, SIGN-27, SIGN-30, AND SIGN-31) FOR OVERHEAD GANTRY STRUCTURE TRUSS, FOUNDATION, AND AESTHETIC COLUMN DESIGNS AND QUANTITIES.

CONSTRUCTION NOTES

- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2 DISPOSAL OF SIGN SYSTEM, OVERHEAD
- 3 DISPOSAL OF SIGN SYSTEM, STEEL BEAM
- 4 SIGN ERECTION, TYPE A (OVERHEAD)
- 5 SIGN ERECTION, TYPE B (OVERHEAD)
- 6 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 7 SIGN ERECTION, TYPE B (GROUND MOUNTED)
- 8 SIGN ERECTION, MILEMARKERS
- 9 SIGN ERECTION, TYPE D OR E
- 10 SIGN ERECTION, TOLL ROUTE SIGN ASSEMBLIES ON STEEL SUPPORTS
- 11 SIGN ERECTION, OVERLAY (GROUND MOUNTED)
- 12 OBJECT MARKERS, END OF ROAD

PLANS PREPARED BY :

 RUMMEL, KLEPPER & KAHL, LLP
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 RALEIGH, NORTH CAROLINA 27609-3960
 NC LICENSE NO. F-0112 (919) 878-9560
 FOR
 THE NORTH CAROLINA
 TURNPIKE AUTHORITY

NOTES AND STANDARD DRAWINGS

12/8/2017
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