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STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN MECKLENBURG COUNTY

LOCATION: CHARLOTTE GATEWAY STATION

SIGN-1 P-5705BA APPROVED: | Andrew D Klinksiek DATE: 3/14/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" -PROJECT SERVICES UNIT - 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.	<u>TITLE</u>
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
1205.01	
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS
1205.04	
1205.05	
1205.06	
1205.08	
1205.09	
1205.12	
1250.01	
1251.01	
1253.01 1261.01	· · · · · · · · · · · · · · · · · · ·
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	
1264.01	
1264.02	OBJECT MARKERS - INSTALLATION

GENERAL SIGNING NOTES

- SIGNS FURNISHED BY STATE.
- CONFIRM IN WRITING AT LEAST 4 MONTHS IN ADVANCE, THE ACTUAL DATE THE DEPARTMENT FURNISHED SIGNS WILL BE REQUIRED.
- 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 SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER.
- RETAIN ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS 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 SIGNS SHALL BE GRADE C REFLECTIVE SHEETING UNLESS OTHERWISE.
- SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

GENERAL PAVEMENT MARKING NOTES

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME MARKING MARKER ALL Y LINES POLYUREA WITH HIGHLY NONE

B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

REFLECTIVE MEDIA

- C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- D) PASSING ZONES WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.
- E) STOP BAR LOCATION AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
- F) REMOVE ALL RESIDUE AND SURFACE LAITANCE BY ACCEPTABLE METHODS ON CONCRETE BRIDGE DECKS PRIOR TO PLACING COLD APPLIED PLASTIC PAVEMENT MARKING MATERIAL.
- UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.
- H) TYPE III COLD APPLIED PLASTIC MAY BE USED IN LIEU OF TYPE II COLD APPLIED PLASTIC. IF TYPE III COLD APPLIED PLASTIC IS USED, IT SHALL BE PAID FOR USING THE TYPE II COLD APPLIED PLASTIC PAY ITEM.

SIGNING SUMMARY OF QUANTITIES

				'	ì
ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT	
DESC. NO.	SECT. NO.				
4072000000 4102000000 4116100000 4155000000 4192000000 4238000000 4915000000 4955000000	903 904 904 907 907 907 1264 1264	SUPPORTS, 3 LB STEEL U-CHANNEL SIGN ERECTION, TYPE E SIGN ERECTION, RELOCATE SIGN TYPE E (GROUND MOUNTED) DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SUPPORT, U-CHANNEL DISPOSAL OF SIGN, D, E OR F 7' U-CHANNEL POSTS OBJECT MARKERS (END OF ROAD)	49 1 4 2 2 4 3 3	LF. EA. EA. EA. EA. EA.	

SIGNING PAY ITEM NOTES

- SIGN ERECTION, TYPE E 2 SIGN ERECTION, RELOCATE SIGN TYPE E (GROUND MOUNTED) 3 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- DISPOSAL OF SUPPORT, U-CHANNEL
- DISPOSAL OF SIGN, D, E OR F
- OBJECT MARKERS (END OF ROAD)

HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554
(919) 546-8997

N.K. VLANICH

C.A. JOHNSON, III, PE SIGNING PROJECT ENGINEER

A.D. KLINKSIEK, PE, PTOE SIGNING DESIGN ENGINEER SIGNING DESIGN TECHNICIAN **INDEX**

SHEET NO. DESCRIPTION

TITLE SHEET SIGN-1

SIGN-2 PAVEMENT MARKING SCHEDULE AND LEGEND

SIGN 3-4 SIGNING AND PAVEMENT MARKING PLAN SHEETS

[FINAL PAVEMENT MARKING SCHEDULE]

MATERIAL

SYMBOL

DESCRIPTION

PAVEMENT MARKING

POLYUREA (4") Highly Reflective Media

TA

WHITE EDGELINE 10 FT. WHITE SKIP YELLOW DOUBLE CENTER

THERMOPLASTIC (4", 90 MILS)

WHITE EDGELINE

[LEGEND]

DIRECTION OF TRAFFIC FLOW

NORTH ARROW

<u>GENERAL</u>

PROPOSED PVMT. -----

PAVEMENT MARKING LEGEND AND SCHEDULE

SHEET NO.

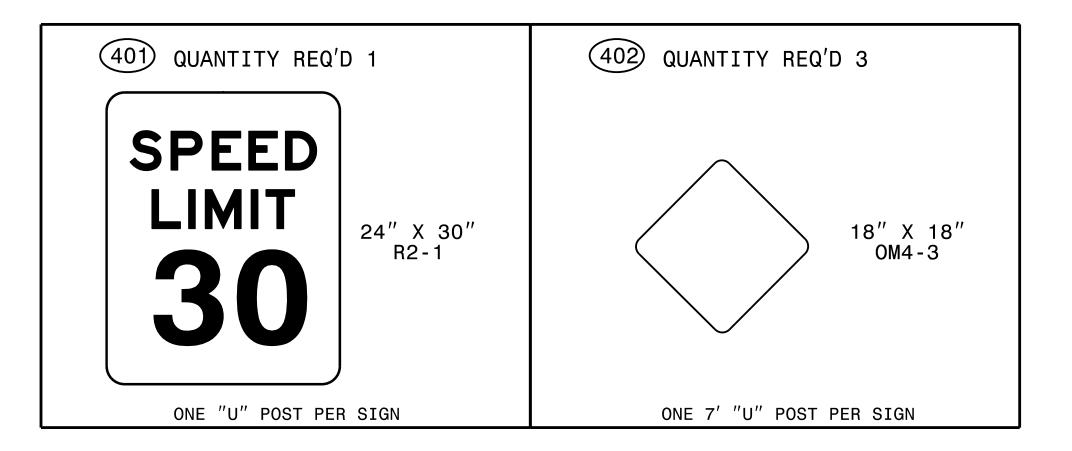
SIGN-2

TIP NO. P-5705BA

APPROVED: Andrew D Klinksiek

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DATE: 3/14/2018 DATE:



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TYPE E SIGNS

