STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION



TIP NO. SHEET NO. U-4716B SIGN/PM-1

SIGNING & PAVEMENT MARKING PLAN DURHAM & WAKE COUNTIES

LOCATION: HOPSON RD & CHURCH STREET EXTENSION IN DURHAM

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 2012 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	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE AND MULTI LANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.08	PAVEMENT MARKINGS - SYMBOL AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT & TEMPORARY
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES & MOUNTING
1262.01	GUARDRAIL END DELINEATION

INDEX

SHEET NO.

DESCRIPTION

SIGN/PM-1

SIGNING & PAVEMENT MARKING PLAN COVER SHEET

SIGNING & PAVEMENT MARKING DETAILS

SIGN/PM-1A

SIGNING NOTES, PAVEMENT MARKING LEGEND & SCHEDULE

SIGN/PM-2

SIGNING REMOVAL PLAN

SIGN/PM-3 THRU SIGN/PM-4

SIGN-1

SIGN DETAILS

SIGN-2

TYPE 'E' SIGNS

PAVEMENT MARKING GENERAL 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 ALL ROADS MARKING

MARKER

THERMOPLASTIC

- SNOWPLOWABLE
- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- F) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS THAT HAVE BEEN DAMAGED BY THE END OF EACH DAY'S OPERATION.
- G) PASSING ZONE(S) WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.
- H) MARKERS SHALL BE INSTALLED ACCORDING TO THE NCDOT ROADWAY STANDARD DRAWING 1250.01.
- STOPBARS AT NON-SIGNALIZED INTERSECTIONS ARE TO BE LOCATED A MIN OF 6' FROM THE EDGE OF TRAVEL LANE AND MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.

SIGNING GENERAL NOTES

- . SIGNS FURNISHED BY STATE
- . 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.
- SIGNING PLANS DO NOT INCLUDE TEMPORARY CONSTRUCTION SIGNING, SEE TRAFFIC CONTROL PLANS. SEE PAVEMENT MARKING PLAN FOR PAVEMENT MARKING DESIGN.
- WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER.
- 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 GRADE C REFLECTIVE SHEETING.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

HNTB NORTH CAROLINA, P.C. 343 E. Six Forks Road, Suite 200 Raleigh, North Carolina 27609 C-1554

S. Coleman

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

SIGNING & DELINEATION PROJECT DESIGN ENGINEER

S. Kunz SIGNING & DELINEATION REGIONAL ENGINEER PLAN PREPARED BY: HNTB NORTH CAROLINA

C. A. Johnson, III, PE PROJECT ENGINEER

A. D. Klinksiek, EI PROJECT DESIGNER



PROJ. REFERENCE NO. SHEET NO. U-4716B SIGN/PM-1A

FINAL PAVEMENT MARKING SCHEDULE

MATERIAL SYMBOL DESCRIPTION PAVEMENT MARKING THERMOPLASTIC (4", 90 MILS) WHITE EDGELINE TA THERMOPLASTIC (4", 120 MILS) WHITE MINISKIP WHITE SOLID LANE LINE YELLOW SKIP YELLOW SOLID LANE LINE YELLOW DOUBLE CENTER LINE THERMOPLASTIC (8", 90 MILS) TT YELLOW DIAGONAL THERMOPLASTIC (24", 120 MILS) WHITE STOP BAR THERMOPLASTIC SYMBOL (90 MILS) LEFT TURN ARROW RIGHT TURN ARROW

SIGNING PAY ITEM NOTES

1 DISPOSAL OF SIGN, D,E OR F 2 DISPOSAL OF SIGN SYSTEM, U-CHANNEL 3 SIGN ERECTION, TYPE D, E, AND F

ITEM NO.

NO. ITEM DESCRIPTION QUANTITY UNIT

NO.	NO.		,		
072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	225	L.F.	
096000000	904	SIGN ERECTION, TYPE D	3	EA.	
102000000	904	SIGN ERECTION, TYPE E	17	EA.	ĺ
155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	19	EA.	İ
238000000	907	DISPOSAL OF SIGN, D, E, OR F	1	EA.	ĺ
- Company			·		

LEGEND

GENERAL

DIRECTION OF TRAFFIC FLOW

NORTH ARROW

PROPOSED PVMT. ----- EXIST. PVMT.

PAVEMENT MARKINGS

PAVEMENT MARKING SYMBOLS

APPROVED:

APPROVED:

CAROLINA, P.C.

SEAL

SEAL

WARRED TO THE CAROLINA, P.C.

SEAL

North Carolina 27609

NC License No: C-1554



SIGNING AND DELINEATION

SIGNING AND FINAL PAVEMENT MARKING PLANS