

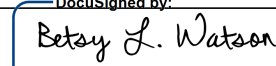

**T.I.P.: R-2707E**

**CONTRACT NO.: C204851**

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
CLEVELAND COUNTY**

**LOCATION: US 74 SHELBY BYPASS FROM EXISTING US 74 WEST OF  
SR 2238 (LONG BRANCH RD) TO WEST OF SR 1001**

TIP NO. <b>R-2707E</b>	SHEET NO. <b>PMP - 1</b>
APPROVED:  <small>DocuSigned by: Betsy L. Watson 35E970B34F743F</small>	
DATE: 4/24/2023	
	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

**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.	TITLE
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXIT & ENTRANCE RAMPS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS (SEE SHEET 1A FOR SHEET 2 OF 2)
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.08	PAVEMENT MARKINGS - SYMBOLS & WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	PAVEMENT MARKINGS - BRIDGES (SEE SHEET 1B)
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT & TEMPORARY
1253.01	RAISED PAVEMENT MARKERS - SNOWPLOWABLE
1261.01	GUARDRAIL & BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL & BARRIER DELINEATORS - TYPES & MOUNTING
1262.01	GUARDRAIL END DELINEATION

**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	MARKING	MARKER
-L-	POLYUREA WITH STANDARD GLASS BEADS	SNOWPLOWABLE
-Y- LINES	THERMOPLASTIC	SNOWPLOWABLE
-Y- LINE BRIDGES	COLD APPLIED PLASTIC	RAISED
- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- 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 POLYUREA OR COLD APPLIED PLASTIC PAVEMENT MARKING MATERIAL.
- G) 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) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF COLD APPLIED PLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS ON ASPHALT OR CONCRETE ROADWAYS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE COLD APPLIED PAY ITEM.
- I) 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.

**FINAL PAVEMENT MARKING SCHEDULE**

SYMBOL	DESCRIPTION	PAY ITEM
C1	WHITE EDGELINE	(4") COLD APPLIED PLASTIC
C13	YELLOW DOUBLE CENTER	(4") COLD APPLIED PLASTIC
C51	WHITE DIAGONAL	(12") COLD APPLIED PLASTIC
C71	RIGHT TURN ARROW	COLD APPLIED PLASTIC
C74	COMBO STRAIGHT/RIGHT ARROW	COLD APPLIED PLASTIC
C79	MERGE ARROW	COLD APPLIED PLASTIC
C100	ALPHANUMERIC CHAR	COLD APPLIED PLASTIC
T1	WHITE EDGELINE	(4", 90 MILS) THERMOPLASTIC
T5	2 FT-6FT/SP WHITE MINISKIP	(4", 90 MILS) THERMOPLASTIC
T10	YELLOW EDGELINE	(4", 90 MILS) THERMOPLASTIC
T13	YELLOW DOUBLE CENTER	(4", 90 MILS) THERMOPLASTIC
T40	WHITE GORELINE	(8", 90 MILS) THERMOPLASTIC
T45	3 FT-3FT/SP WHITE MINISKIP	(8", 90 MILS) THERMOPLASTIC
T52	YELLOW DIAGONAL	(12", 90 MILS) THERMOPLASTIC
T61	WHITE STOPBAR	(24", 90 MILS) THERMOPLASTIC
T80	WRONG-WAY RAMP ARROW SYMBOL	(90 MILS) THERMOPLASTIC
T103	24" YIELD LINE TRIANGLE	(90 MILS) THERMOPLASTIC
V20	WHITE EDGELINE	(6", 20 MILS) POLYUREA WITH STANDARD GLASS BEADS
V22	10 FT WHITE SKIP	(6", 20 MILS) POLYUREA WITH STANDARD GLASS BEADS
V23	3 FT-9FT/SP WHITE MINISKIP	(6", 20 MILS) POLYUREA WITH STANDARD GLASS BEADS
V30	YELLOW EDGELINE	(6", 20 MILS) POLYUREA WITH STANDARD GLASS BEADS
V50	WHITE GORELINE	(12", 20 MILS) POLYUREA WITH STANDARD GLASS BEADS
V53	WHITE SOLID LANE LINE	(12", 20 MILS) POLYUREA WITH STANDARD GLASS BEADS
V54	3 FT-9FT/SP WHITE MINISKIP	(12", 20 MILS) POLYUREA WITH STANDARD GLASS BEADS

**PLAN PREPARED BY:**

**BETSY L. WATSON, P.E.** SENIOR TRANSPORTATION ENGINEER  
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PMP - 2 - 16	PAVEMENT MARKING DETAIL