

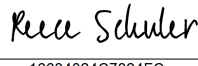
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
CALDWELL COUNTY

LOCATION: US 321 (HICKORY BLVD) AT SR 1160 (MOUNT HERMAN ROAD)

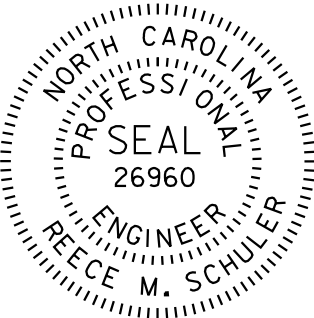
TIP NO.
U-4700CA

SHEET NO.
PMP - 1

APPROVED: 

DATE: 6/2/2026 | 12:33:52 PM PDT

SEAL



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 2024 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 AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.15	PAVEMENT MARKINGS - REDUCED CONFLICT INTERSECTIONS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND 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- US 321 | THERMO | SNOWFLOWABLE REFLECTIVE |
| -Y- SR 1160 | THERMO | SNOWFLOWABLE REFLECTIVE |
- 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) 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.

INDEX

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN COVER SHEET
PMP-1A-1C	PAVEMENT MARKING SCHEDULE AND LEGEND & SPECIAL DETAIL SHEETS
PMP-3-5	PAVEMENT MARKING DETAILS

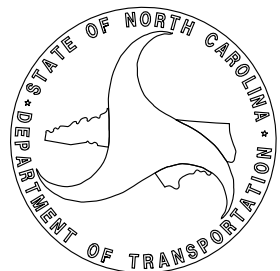
NCDOT CONTACTS: SIGNING & DELINEATION UNIT

JOSE G. MARTINEZ, PE

DIVISION 11 - DESIGN ENGINEER III

KELVIN L. JORDAN

DIVISION 11 - SIGNING AND DELINEATION REGIONAL ENGINEER



PLAN PREPARED BY: JMT

REECE M. SCHULER, P.E. SENIOR ENGINEER
DANE FREDDE DESIGN ENGINEER

 **Johnson, Mirmiran, & Thompson Inc.**
4700 Falls of Neuse Rd, Suite 100,
Raleigh, NC, 27609
License No: C-3097

TIP NO.
U-4700CA

SHEET NO.
PMP-1A

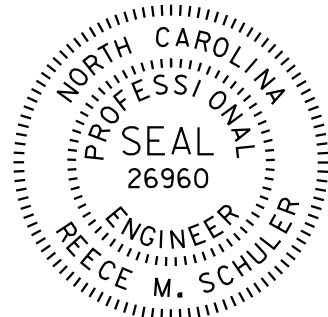
DocuSigned by:
Rene Schuler
16634024G78D4FG...

APPROVED:

6/2/2026 | 12:33:52 PM PDT

DATE:

SEAL



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

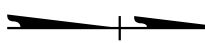
 Johnson, Mirmiran, & Thompson, Inc.
4700 Falls of Neuse Rd, Suite 100,
Raleigh, NC, 27605
License No. C-3097

FINAL PAVEMENT MARKING SCHEDULE

MATERIAL	SYMBOL	DESCRIPTION
PAVEMENT MARKING		
THERMOPLASTIC (4", 90 MIL)		
	T5	2 FT. - 6 FT./SP WHITE MINISKIP
	T14	2 FT. - 6 FT./SP YELLOW MINISKIP
	T1	WHITE EDGELINE
	T10	YELLOW EDGELINE
	T3	10 FT. WHITE SKIP
	T4	3 FT. - 9 FT./SP WHITE MINISKIP
	T2	WHITE SOLID LANE LINE
	T13	YELLOW DOUBLE CENTER
THERMOPLASTIC (8", 90 MIL)		
	T40	WHITE GORELINE
	T41	WHITE DIAGONAL
	T42	YELLOW DIAGONAL
THERMOPLASTIC (24", 90 MIL)		
	T61	WHITE STOPBAR
	T62	WHITE CROSSWALK LINE
THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MIL)		
	T70	LEFT TURN ARROW
	T71	RIGHT TURN ARROW
	T72	STRAIGHT ARROW
	T77	U TURN ARROW
	T103	24" YIELD LINE TRIANGLE
SNOWPLOWABLE PAVEMENT MARKERS (NOT SHOWN)		
	ME	YELLOW & YELLOW
	MF	CRYSTAL & RED

LEGEND

GENERAL

-  NORTH ARROW
-  EXIST. PVMT.
-  PROPOSED PVMT.

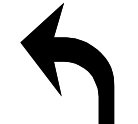
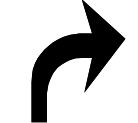
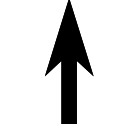
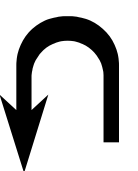
PAVEMENT MARKINGS

-  EXISTING LINES
-  PROPOSED LINES

PAVEMENT MARKING SYMBOLS

-    PAVEMENT MARKING SYMBOLS

PAVEMENT MARKING SYMBOLS

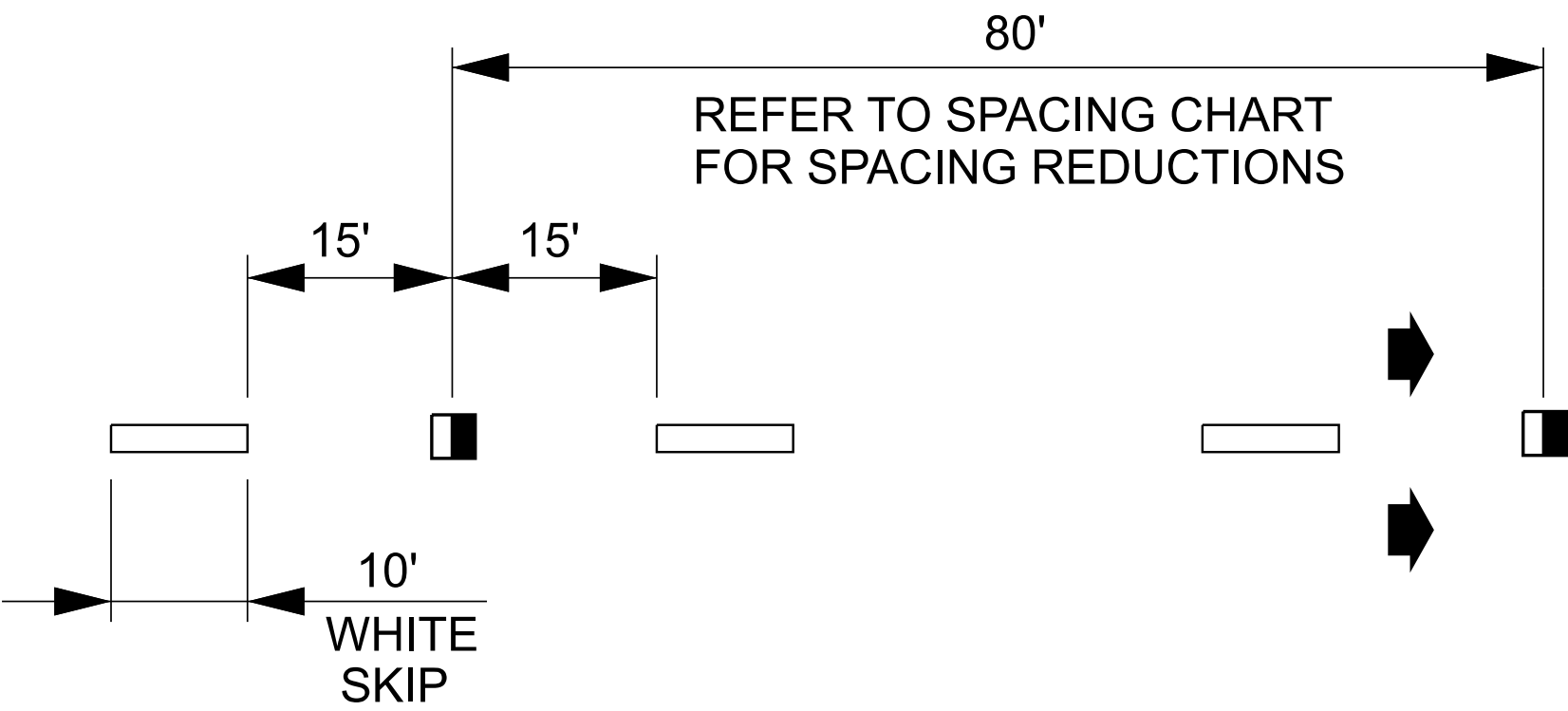
-  T70
-  T71
-  T72
-  T77

RAMP TYPES AND LOCATIONS

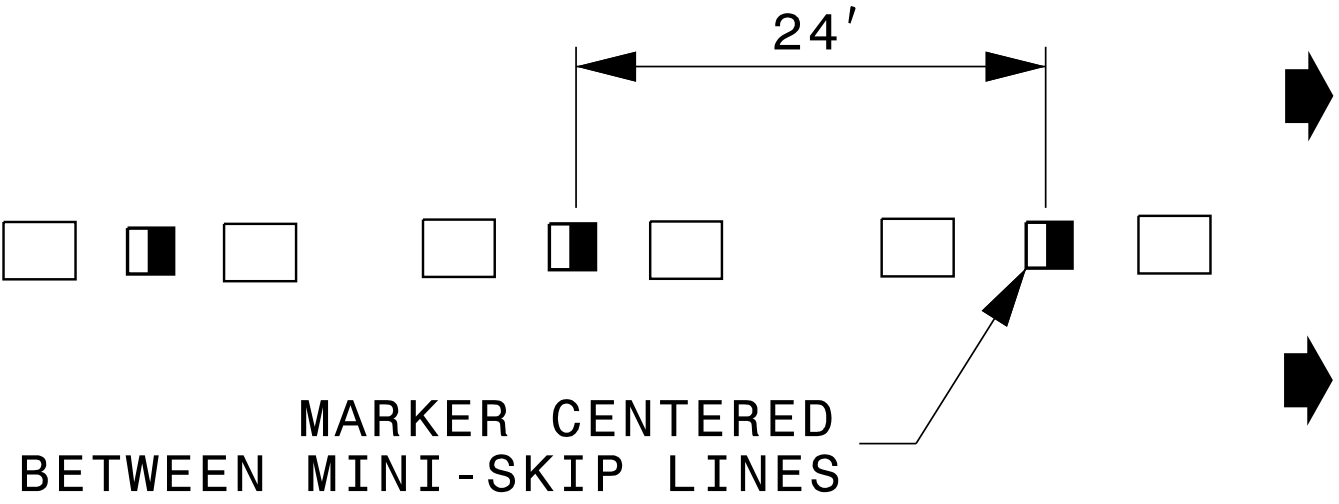
ID	TYPE	LOCATION
	1 MODIFIED	-L- STA. 674+71 +/- RT
	2A MODIFIED	-L- STA. 674+88 +/- LT
	7	-L- STA. 675+29 +/- RT
	7	-L- STA. 675+33 +/- LT
	1A	-L- STA. 675+80 +/- RT
	1A	-L- STA. 676+10 +/- LT

PAVEMENT MARKING DETAIL

10'-30'/SP SKIP LINE



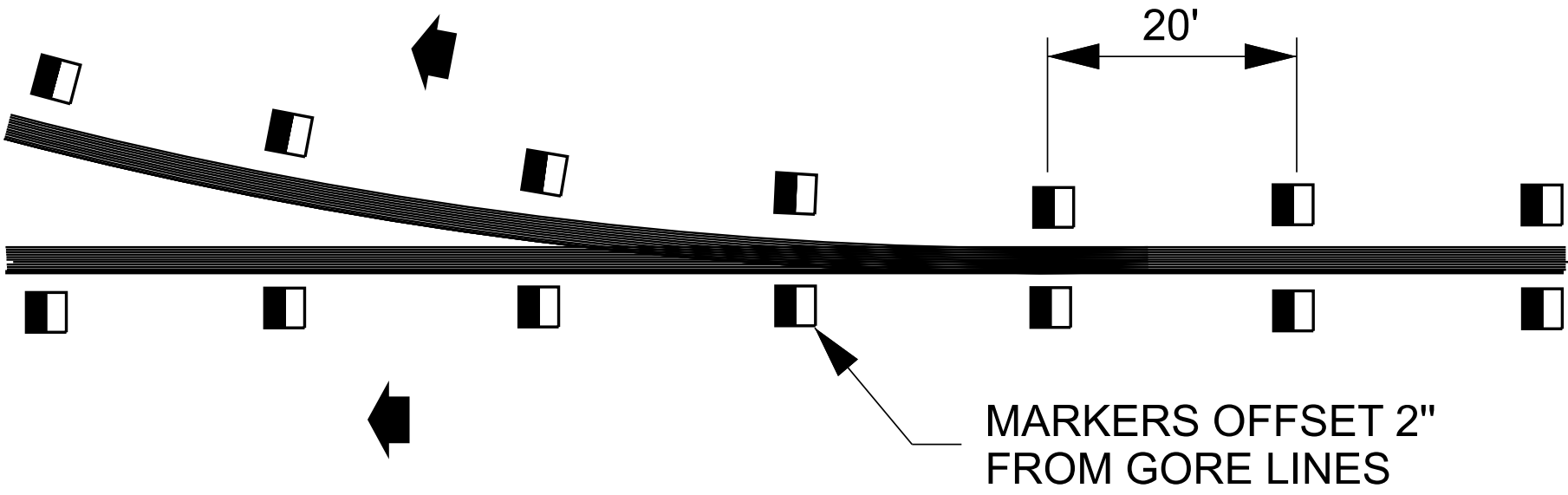
3'-9'/SP MINI-SKIP LINE



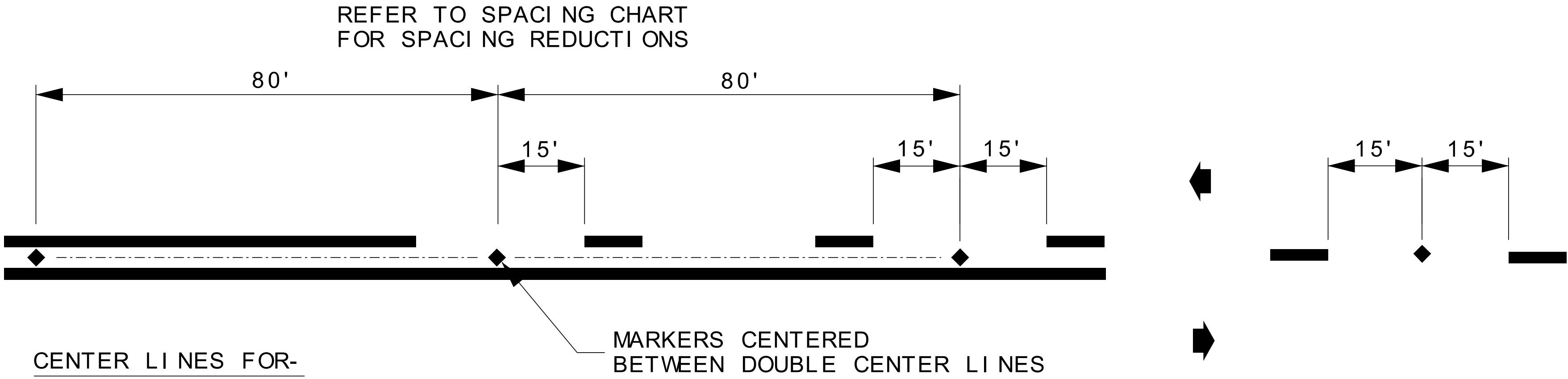
LEGEND

- CRYSTAL/RED PAVEMENT MARKER
- YELLOW YELLOW PAVEMENT MARKER
- DIRECTION OF TRAFFIC FLOW

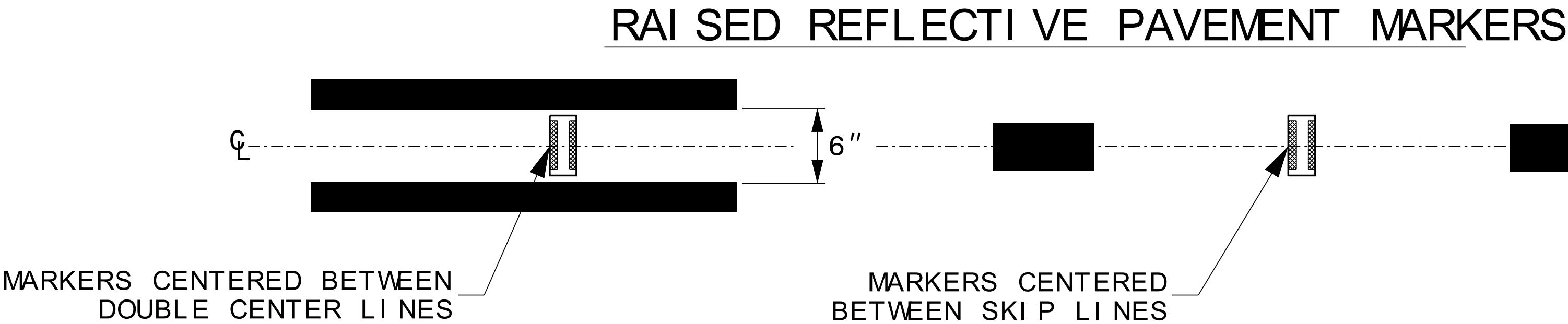
GORE LINES



YELLOW CENTER LINES



DETAIL OF PAVEMENT MARKER PLACEMENT



U-4700CA

PMPIB

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

APPROVED:Matthew V. Springer

DATE:6/4/2026 | 10:11:43 AM PDT

SEAL:

NORTH CAROLINA
PROFESSIONAL
ENGINEER
MATTHEW V. SPRINGER

SEAL
042546

INCOMPLETE PLANS
(DO NOT BE USED FOR CONSTRUCTION)
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

1250D01
SHEET 2 OF 3

ROADWAY DETAIL DRAWING FOR
RASISED PAVEMENT MARKINGS
INSTALLATION SPACING

PROJECT REFERENCE NO.	SHEET NO.
U-4700CA	PMP-1C

CONTINUOUS LINES EDGE LINE YELLOW OR WHITE 4" / 6" LANE LINE WHITE 4" / 6" CENTER LINE YELLOW 4" / 6" GORE LINE WHITE 8" / 12" DIAGONAL LINE YELLOW OR WHITE 12" 45 MPH OR HIGHER 8" LESS THAN 45 MPH 4"-6" FOR BICYCLE FACILITIES CROSSWALK LINE WHITE 8" TRANSVERSE 24" LONGITUDINAL RxR LINE WHITE 16" STOP OR TRANSVERSE BAR WHITE 24"	10'-30'/SP SKIP LINE UNLESS OTHERWISE SHOWN, USE 10'-30'/SP SKIPS FOR SKIP LANE LINES AND SKIP CENTER LINES. 10' 30' 4" / 6" YELLOW OR WHITE	2'-6'/SP MINI-SKIP LINE UNLESS OTHERWISE SHOWN, USE 2'-6'/SP MINI-SKIPS FOR LANE LINE EXTENSIONS THROUGH INTERSECTIONS, EDGE LINE EXTENSIONS THROUGH INTERSECTIONS AND BICYCLE LANE EXTENSIONS. 2' 6' 4" / 6" YELLOW OR WHITE	STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
	3'-3'/SP MINI-SKIP LINE UNLESS OTHERWISE SHOWN, USE 3'-3'/SP MINI-SKIPS FOR THE WHITE EDGE LINE EXTENSIONS AT ROUNDABOUTS. 3' 3' 8" / 12" WHITE	3'-9'/SP MINI-SKIP LINE UNLESS OTHERWISE SHOWN, USE 3'-9'/SP MINI-SKIPS FOR MINI-SKIP LANE LINES, LINE EXTENSIONS THROUGH TAPERS, AND MINI-SKIPS USED FOR BICYCLE LANE LINES. 3' 9' 4" / 6" WHITE	
GENERAL NOTES: 1- USE 6" LANE, EDGE, AND CENTER LINES ON ALL FULL CONTROL OF ACCESS FACILITIES AND OTHER ROUTES AS DIRECTED BY THE ENGINEER. 2- LANE LINES INDICATED AS "WIDE" ON THE ROADWAY STANDARD DRAWINGS SHALL BE AT LEAST TWICE THE WIDTH OF THE NORMAL LINE. 3- GORE LINES SHALL BE TWICE THE WIDTH OF THE NORMAL LINE.			
		ROADWAY DETAIL DRAWING FOR PAVEMENT MARKINGS LINE TYPES AND OFFSETS	

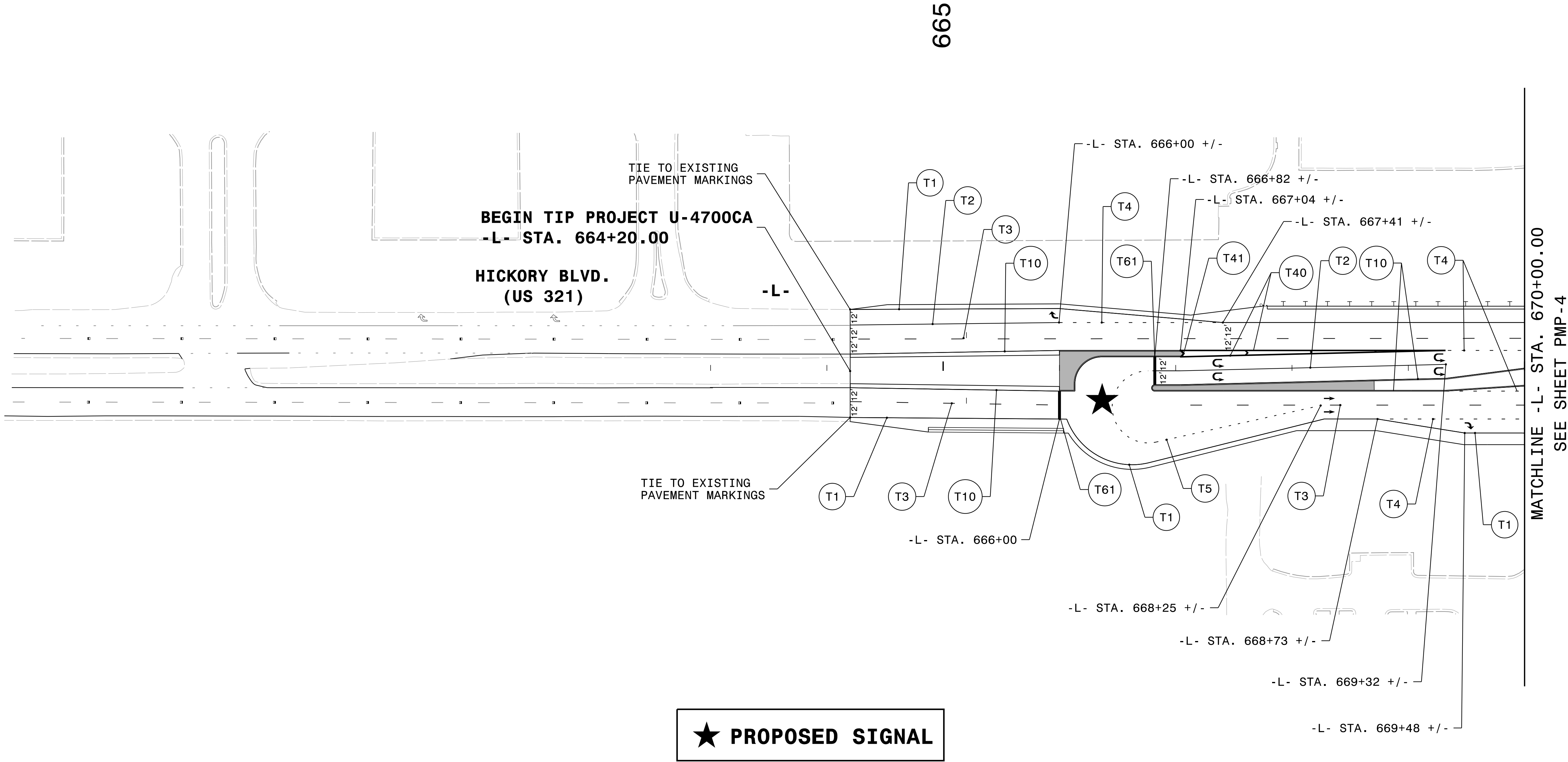
6/4/2026 | 10:11:43 AM PDT



Signed by:
Matthew V. Springer, PE
BC00F6E8B5B4403...

CONTRACTS STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-8950	FAX 919-250-4119
SEE TITLE BLOCK	
ORIGINAL BY: M.V. SPRINGER	DATE: 2-15-24
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC.:	

TIP NO.	SHEET NO.
U-4700CA	PMP -3
APPROVED: Reece Schuler 1063402407824FC	
DATE: 6/2/2026 12:33:52 PM PDT	
SEAL	
PROFESSIONAL SEAL 26960 RECE M. SCHULER ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
JMT Johnson, Mirman, & Thompson Inc. 4700 Falls of Neuse Rd, Suite 100, Raleigh, NC 27609 License No: C-3097	



TIP NO.
U-4700CA

SHEET NO.
PMP - 4

APPROVED:

Reece Schuler

1903462407824PDC

DATE:

6/2/2026 | 12:33:52 PM PDT

SEAL

NORTH CAROLINA
PROFESSIONAL
ENGINEER
26960
REECE M. SCHULER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

JMT

Johnson, Mirmiran, & Thompson Inc.
4700 Falls of Neuse Rd, Suite 100,
Raleigh, NC 27609
License No: C-3097

RAMP TYPES AND LOCATIONS		
ID	TYPE	LOCATION
1	1 MODIFIED	-L- STA. 674+71 +/- RT
2	2A MODIFIED	-L- STA. 674+88 +/- LT
3	7	-L- STA. 675+29 +/- RT
4	7	-L- STA. 675+33 +/- LT
5	1A	-L- STA. 675+80 +/- RT
6	1A	-L- STA. 676+10 +/- LT

MATCHLINE -L- STA. 670+00.00
SEE SHEET PMP-3

MATCHLINE -L- STA. 682+00.00
SEE SHEET PMP-5

680

-Y- MT. HERMAN RD.
(SR 1160)
675

-Y- MT. HERMAN RD.
(SR 1160)

TIE TO EXISTING
PAVEMENT MARKINGS
-Y- STA. 10+00.00

-Y- STA. 10+47 +/-

-L- STA. 679+60 +/-

-L- STA. 681+45 +/-

-L- STA. 676+29 +/-

-L- STA. 681+44 +/-

-L- STA. 676+63 +/-

-L- STA. 678+13 +/-

-L- STA. 678+88 +/-

-L- STA. 676+37 +/-

-L- STA. 674+44 +/-

-L- STA. 671+16 +/-

-Y- STA. 13+08 +/-

-Y- STA. 13+10 +/-

-Y- STA. 14+26 +/-

-Y- STA. 15+50 +/-

-Y- STA. 12+79 +/-

-Y- STA. 12+89 +/-

TIE TO EXISTING
PAVEMENT MARKINGS

★ PROPOSED SIGNAL

PAVEMENT MARKING DETAIL

TIP NO.	SHEET NO.
U-4700CA	PMP - 5
APPROVED: Reece Schuler 10634024C7824FC	
DATE: 6/2/2026 12:33:52 PM PDT	
SEAL	
Professional Engineer Reece M. Schuler 26960 North Carolina	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
JMT Johnson, Mirman, & Thompson Inc. 4700 Falls of Neuse Rd, Suite 100, Raleigh, NC 27609 License No: C-3097	

