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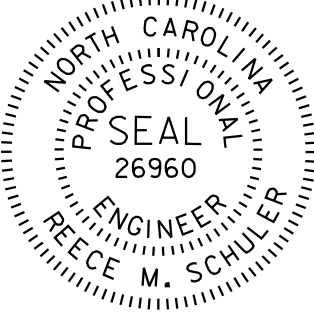
T.I.P.: U-4700CA

CONTRACT: C204947

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
CALDWELL COUNTY

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

PROJECT REFERENCE NO. U-4700CA	SHEET NO. SIGN-1
APPROVED: _____	
DATE: _____	
SEAL 	
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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
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL SUPPORTS
910.30	REDUCED CONFLICT INTERSECTION

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.
- . 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.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

SUMMARY OF QUANTITIES

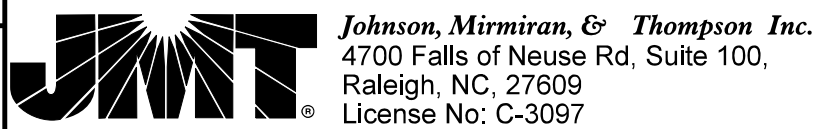
ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	598	L.F.
4096000000	904	SIGN ERECTION, TYPE D	2	EA.
4102000000	904	SIGN ERECTION, TYPE E	24	EA.
4108000000	904	SIGN ERECTION, TYPE F	6	EA.
4116100000	904	SIGN ERECTION, RELOCATE TYPE 'D' (GROUND MOUNTED)	1	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	14	EA.

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-1A	SPECIAL DETAIL SHEET
SIGN-2	E AND F SIGN SHEET
SIGN-2A	SPECIAL SIGN DESIGN
SIGN-3-5	SIGN DETAIL SHEETS

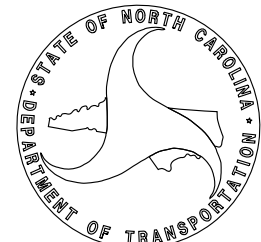
PLAN PREPARED BY: Johnson, Mirmiran, & Thompson Inc.

REECE SCHULER, PE	PROJECT ENGINEER
DANE FREDDE	PROJECT DESIGN ENGINEER



PLAN SUBMITTED TO: NCDOT SIGNING AND DELINEATION UNIT

KELVIN L. JORDAN	STATE SIGNING & DELINEATION ENGINEER
WALTER JOHNSON	SIGNING & DELINEATION PROJECT DESIGN ENGINEER



PROJECT REFERENCE NO.
U-4700CA

SHEET NO.
SIGN-1A

APPROVED:

DocuSigned by:
Reece Schuler
19854024C78D4FC

DATE:

6/2/2026 | 12:34:47 PM PDT

SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
26960
ENGINEER
REECE M. SCHULER

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SIGN NUMR:
TYPE: F Ground
QUANTITY: 1

BACKG. COLOR: White
COPY COLOR: Black

DESIGN BY:
PROJECT ID:

CHK BY:
DIV:

STD #:
DATE:

N. C. DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
TRANSPORTATION MOBILITY & SAFETY
SIGNING & DELINEATION UNIT



SIGN WIDTH: 1'-9"
HEIGHT: 1'-9"
TOTAL AREA: 3.1 Sq.Ft.

MAT'L: 0.063 " ALUMINUM

BORDER TYPE: RECESSED
RECESS: 0.38"
WIDTH: 0.63"
RADII: 1.5"
NO. Z BARS:
LENGTH:

SYMBOL	X	Y	WID	HT
u arrow	3.7	3.5	12.7	13.9

NOTES:
1. Legend and border shall be direct applied
Non-reflective sheeting.
2. Background shall be Grade C reflective sheeting.

1'-9"

3.55"

13.9"

3.55"

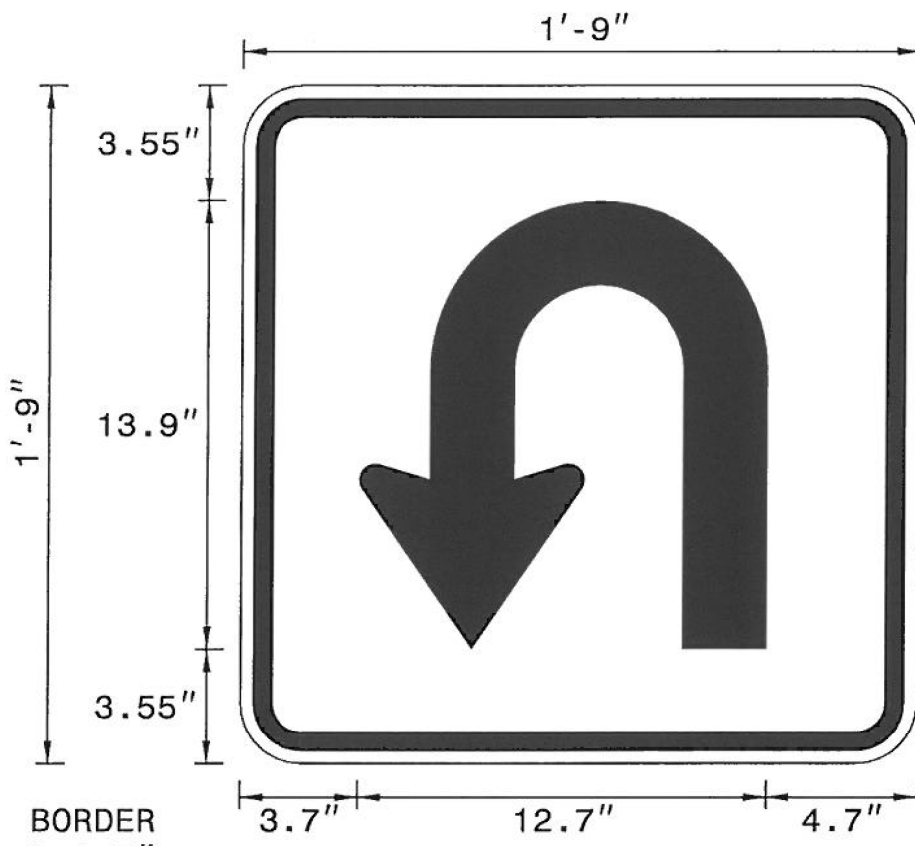
1'-9"

3.7"

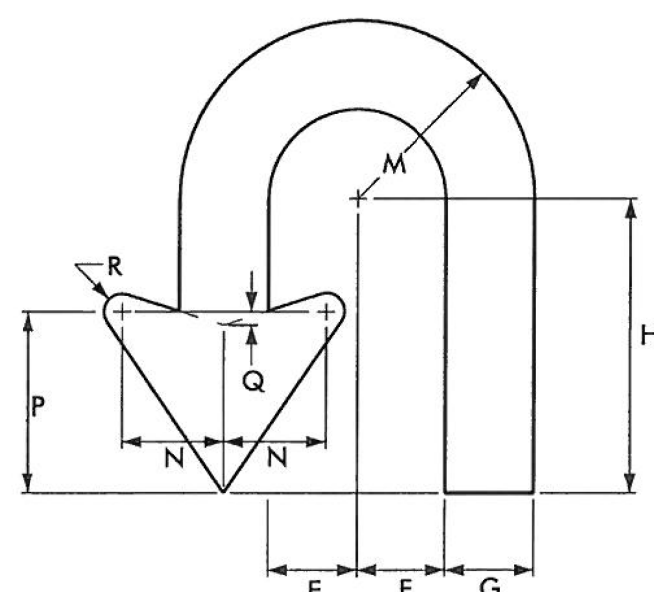
12.7"

4.7"

BORDER
R=1.5"
TH=0.63"
IN=0.38"



Arrow Details



ARROW DIMENSIONS (INCHES)	F	G	H	M	N	P	Q	R
	2.625	2.625	8.659	5.25	3	5.25	0.375	0.5

Spacing Factor is 1 unless specified otherwise

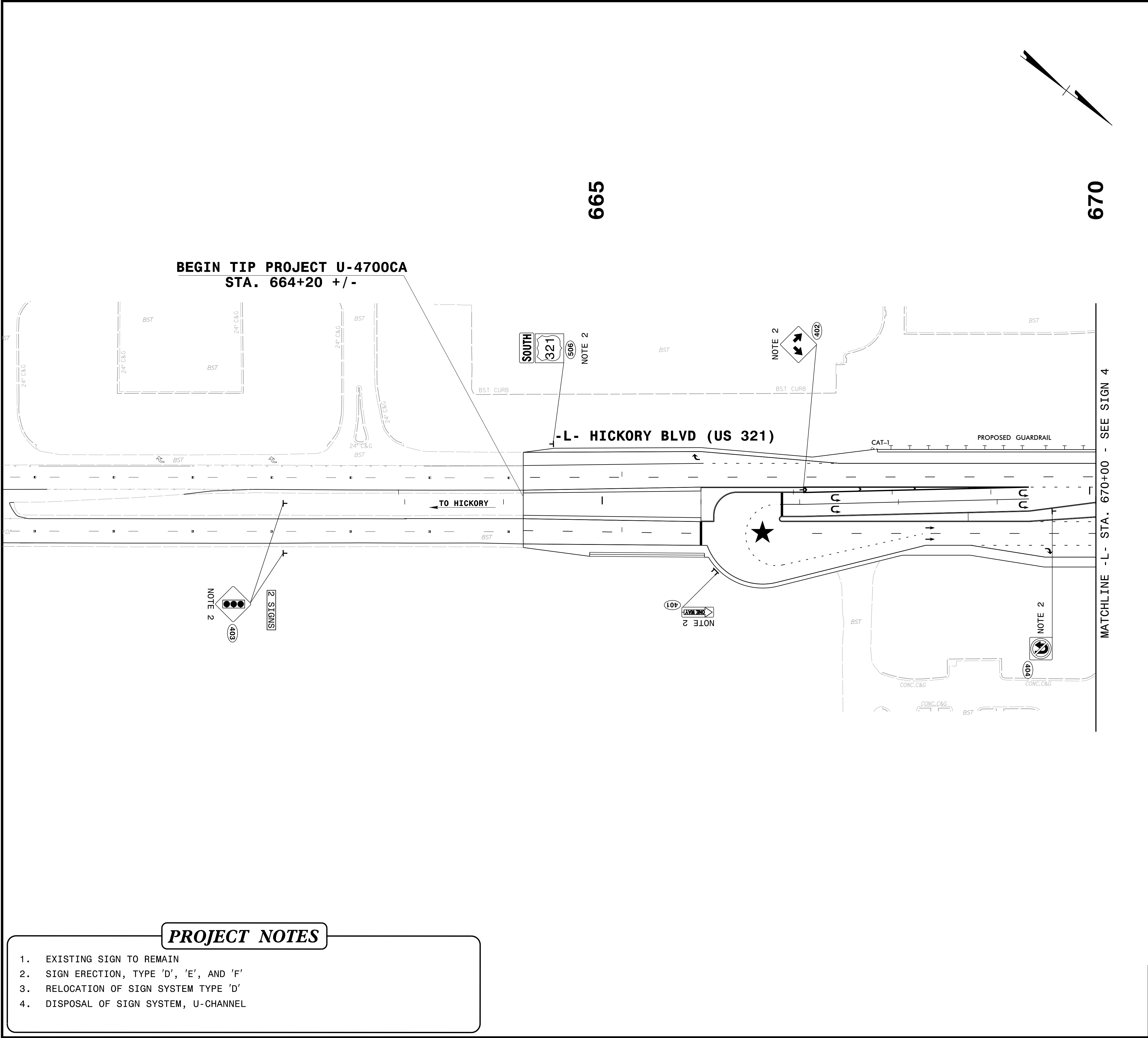
FILENAME: GSENG

SPECIAL DETAIL SHEET
U-TURN ARROW

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User:rfredde

PROJECT REFERENCE NO. U-4700CA		SHEET NO. SIGN-2	
APPROVED: Reece Schuler			
DATE: 6/2/2026 12:34:47 PM PDT			
SEAL NORTH CAROLINA PROFESSIONAL SEAL 26960 ENGINEER REECE M. SCHULER			
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401 QUANTITY REQ'D 2 ONE WAY R6-1 (L) 36" X 12" TWO "U" POSTS PER SIGN	402 QUANTITY REQ'D 4 W12-1 48" X 48" ONE "U" POSTS PER SIGN	403 QUANTITY REQ'D 4 W3-3 48" X 48" ONE "U" POST PER SIGN	404 QUANTITY REQ'D 4 R3-4 24" X 24" ONE "U" POSTS PER SIGN	405 QUANTITY REQ'D 2 ONE WAY R6-1 (R) 36" X 12" TWO "U" POSTS PER SIGN	406 QUANTITY REQ'D 2 W11-2 48" X 48" ONE "U" POSTS PER SIGN	
407 QUANTITY REQ'D 2 W16-7p 24" X 12" MOUNT BELOW SIGN 406 IN 2 INSTALLATIONS	408 QUANTITY REQ'D 2 W16-7p 24" X 12" MOUNT BELOW SIGN 409 IN 2 INSTALATTIONS	409 QUANTITY REQ'D 2 W11-2 48" X 48" ONE "U" POSTS PER SIGN				
501 QUANTITY REQ'D 1 SOUTH 321 M3-3 24" X 12" M1-4 30" X 24" SEE SHEET SIGN-1A 21" X 21" ONE "U" POST PER SIGN	502 QUANTITY REQ'D 1 NORTH 321 M3-1 24" X 12" M1-4 30" X 24" SEE SHEET SIGN-1A 21" X 21" ONE "U" POST PER SIGN	503 QUANTITY REQ'D 1 TO NORTH 321 SOUTH 321 M4-5 24" X 12" M3-1 M3-3 24" X 12" 2 - M1-4 30" X 24" 2 - M6-1 21" X 15" TWO "U" POST PER SIGN	504 QUANTITY REQ'D 1 TO NORTH 321 SOUTH 321 M4-5 24" X 12" M3-1 M3-3 24" X 12" 2 - M1-4 30" X 24" 2 - M6-1 21" X 15" TWO "U" POSTS PER SIGN	505 QUANTITY REQ'D 1 NORTH 321 M3-1 24" X 12" M1-4 30" X 24" ONE "U" POST PER SIGN	506 QUANTITY REQ'D 1 SOUTH 321 M3-3 24" X 12" M1-4 30" X 24" ONE "U" POST PER SIGN	
						TYPE 'E' AND 'F' SIGNS



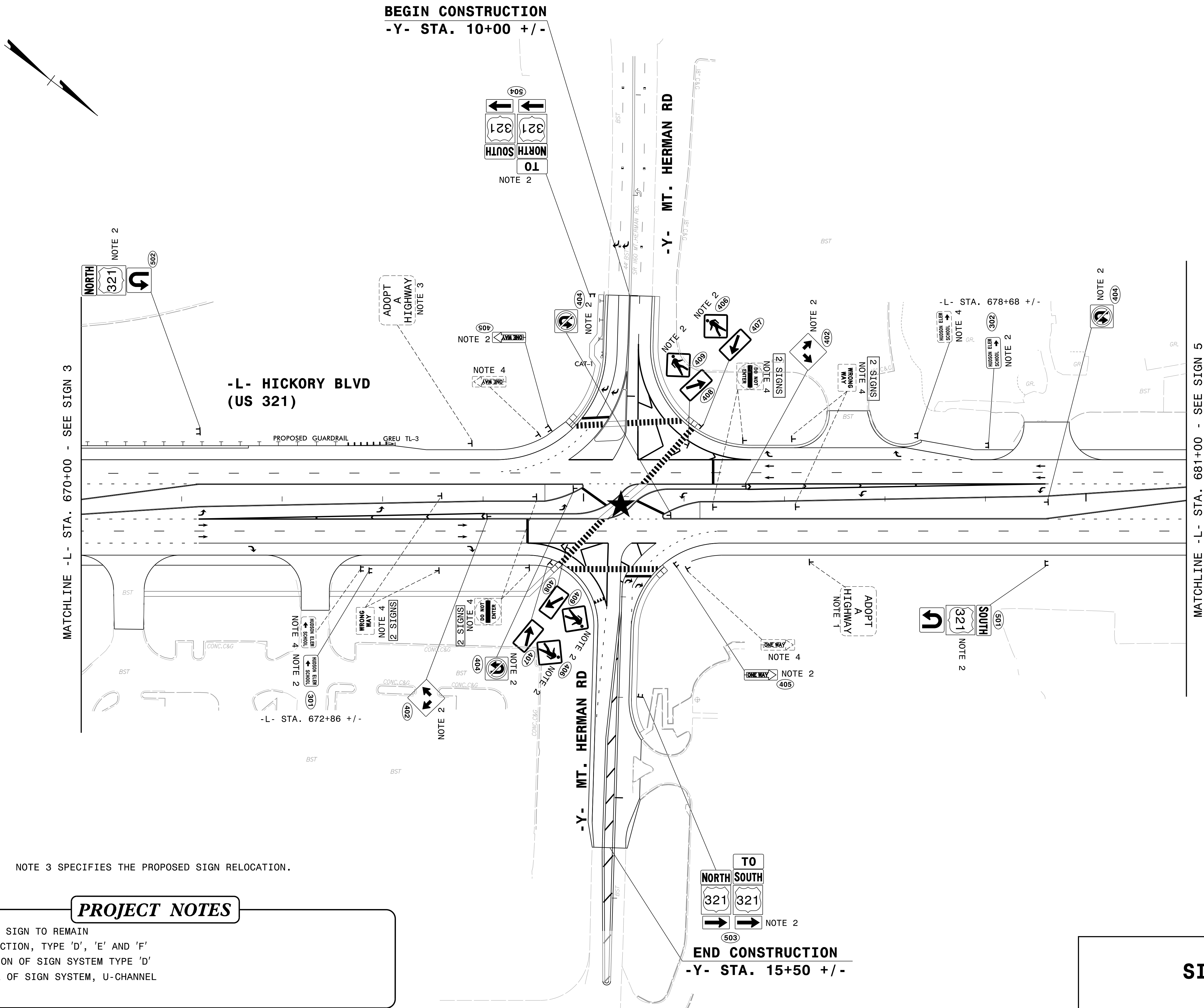
PROJECT REFERENCE NO. U-4700CA	SHEET NO. SIGN-3
Designed by: <i>Reece M. Schuler</i> 1603402404782484-C	
APPROVED: _____ DATE: 6/2/2026 12:34:47 PM PDT	
SEAL 	
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Johnson, Mirmiran, & Thompson Inc. 4700 Falls of Neuse Rd, Suite 100, Raleigh, NC, 27609 License No: C-3097	

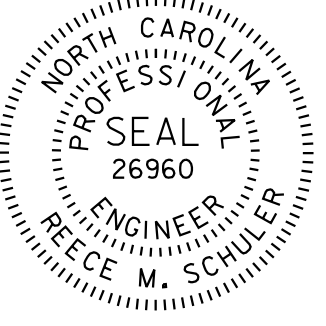
7/15/2026 10:42:56 AM
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User: jctd

NOTE 3 SPECIFIES THE PROPOSED SIGN RELOCATION.

PROJECT NOTES

- EXISTING SIGN TO REMAIN
- SIGN ERECTION, TYPE 'D', 'E' AND 'F'
- RELOCATION OF SIGN SYSTEM TYPE 'D'
- DISPOSAL OF SIGN SYSTEM, U-CHANNEL



PROJECT REFERENCE NO. U-4700CA	SHEET NO. SIGN-4
APPROVED: _____	
DATE: _____	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 Johnson, Mirmiran, & Thompson Inc. 4700 Falls of Neuse Rd, Suite 100, Raleigh, NC, 27609 License No: C-3097	

★ PROPOSED SIGNAL

SIGN PLAN

PROJECT REFERENCE NO.
U-4700CA

SHEET NO.
SIGN-5

APPROVED:

Desigined by

Reece Schuler

DATE:

6/2/2026 | 12:34:47 PM PDT

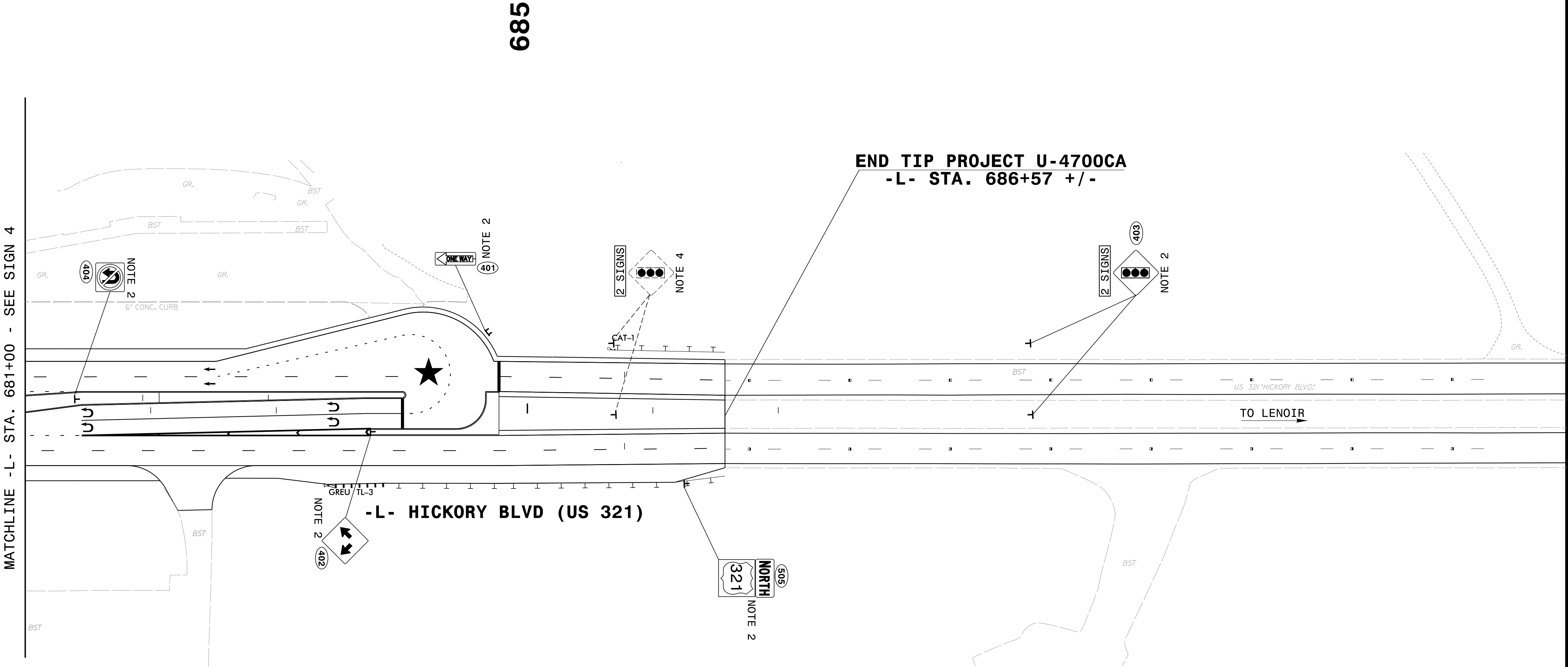
SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
26960
ENGINEER
REECE M. SCHULER

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JMT

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



PROJECT NOTES

- EXISTING SIGN TO REMAIN
- SIGN ERECTION, TYPE 'E' AND 'F'
- RELOCATION OF SIGN SYSTEM TYPE 'D'
- DISPOSAL OF SIGN SYSTEM, U-CHANNEL

★ PROPOSED SIGNAL

SIGN PLAN