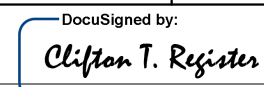



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN  
YADKIN COUNTY

LOCATION: REPLACE BRIDGE NO. 29 OVER I-77 ON US 21 BUS

PROJECT REFERENCE NO. B-5833	SHEET NO. SIGN-1
APPROVED:  DATE: 2/27/2026	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

T.I.P.: B-5833

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-1A	REVISED ROADWAY STANDARD DRAWING (903D1003)
SIGN-2	SUPPORT INFORMATION
SIGN-3 THRU 3A	TYPE 'E' AND TYPE 'F' SIGNS
SIGN-4 THRU 4A	SIGN DESIGNS
SIGN-5 THRU 6	EXISTING SIGNS
SIGN-7 THRU 8	PROPOSED SIGNS

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 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
901.10	TYPE 'A' SIGNS (SHEET 2 OF 2)
901.20	TYPE 'B' SIGNS
901.50	ARROWS AND SHIELDS
901.70	SIGN STRINGERS AND SUPPORT SPACING
901.80	SIGN MOUNTING DETAILS - FOR TYPE A AND TYPE B SIGNS
903.10	GROUND MOUNTED SIGN SUPPORTS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.30	SECONDARY SIGN MOUNTING
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4054000000	902	PLAIN CONCRETE SIGN FOUNDATION	2.0	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	1611	LB.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	1531	L.F.
4096000000	904	SIGN ERECTION, TYPE D	7	EA.
4102000000	904	SIGN ERECTION, TYPE E	49	EA.
4108000000	904	SIGN ERECTION, TYPE F	11	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	2	EA.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)	1	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE A (GROUND MOUNTED)	2	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE B (GROUND MOUNTED)	2	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE D (GROUND MOUNTED)	1	EA.
4138000000	907	DISPOSAL OF SUPPORT, STEEL BEAM	8	EA.
4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	1	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	47	EA.
4158000000	907	DISPOSAL OF SIGN SYSTEM, WOOD	1	EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	1	EA.

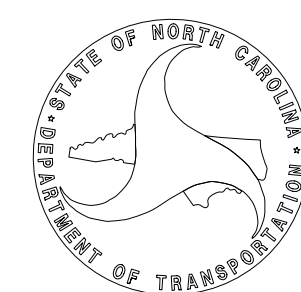
EA.  
EA.

GENERAL NOTES

- SIGNS FURNISHED BY STATE.
- CONFIRM IN WRITING AT LEAST 4 MONTHS IN ADVANCE, THE ACTUAL DATE THE DEPARTMENT FURNISHED SIGNS WILL BE REQUIRED.
- 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.
- DO NOT BEGIN FABRICATION FOR TYPES A & B SIGNS MOUNTED ON OVERHEAD STRUCTURES OR STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED.
- SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

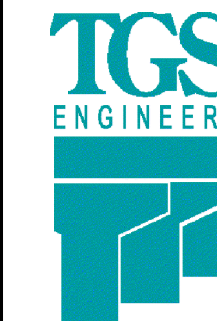
PLAN SUBMITTED TO: NCDOT

KELVIN JORDAN SIGNING & DELINEATION REGIONAL ENGINEER  
ASHLEY MATTHEWS, PE SIGNING & DELINEATION PROJECT DESIGN ENGINEER



PLAN PREPARED BY: TGS ENGINEERS

DON A. PARKER, P.E. PROJECT ENGINEER  
CODA BRANNAN, E.I. DESIGN ENGINEER



TGS ENGINEERS  
706 HILLSBOROUGH ST. SUITE 200  
RALEIGH, NC 27603  
PH (919) 773-8887  
CORP. LICENSE NO.: C-0275

CONTRACT:

NOTES:

- DESIGN CONFORMS WITH THE SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS - AASHTO.
- USE MATERIALS, FABRICATE AND ERECT SIGNS AND SUPPORTS THAT CONFORM TO THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
- USE HIGH STRENGTH BOLTS, NUTS AND WASHERS THAT CONFORM TO ASTM A-325 AND THAT ARE GALVANIZED IN ACCORDANCE WITH ASTM F2329 OR B695 CLASS 55.
- USE BACKING PLATES, SLIP BASE PLATES, FRICTION PLATES, AND HINGE PLATES THAT CONFORM TO ASTM A-36 AND THAT ARE GALVANIZED IN ACCORDANCE WITH ASTM A-123 PRIOR TO GALVANIZING, GRIND SMOOTH ANY METAL PROJECTION BEYOND THE PLATE FACE. KEEPER PLATES SHALL BE MANUFACTURED FROM 28 GAUGE SHEET STEEL THAT CONFORMS TO ASTM A-36 AND IS GALVANIZED IN ACCORDANCE WITH ASTM A-123
- ASSEMBLE HINGE CONNECTIONS IN THE SHOP. THE SHOP SHALL TIGHTEN BOLTS BY USE OF EITHER A CALIBRATED POWER WRENCH OR A MANUAL TORQUE WRENCH. TIGHTEN EACH HINGE CONNECTION BOLT TO 1/3 PAST SNUG.
- BASE PLATES DETAILS ARE FOR INSTALLATIONS ON THE RIGHT SHOULDER AND IN GORE AREAS.
- ASSEMBLE UPPER SUPPORT TO STUB AS SHOWN IN DETAIL. SLIP BASE PLATES SHALL BE FILLET WELDED ONTO SUPPORTS ALL AROUND THE STRUCTURAL SHAPE SO AS TO INSURE NO LOSS OF STRENGTH. ASSEMBLE IN EITHER SHOP OR FIELD. 28 GAUGE KEEPER PLATE IS PLACED BETWEEN SLIP BASE PLATES TO PREVENT BOLT SLIPPING. TIGHTEN BOLTS TO THE FOLLOWING PRESCRIBED TORQUE:

BOLT DIAMETER	TORQUE (LB. FT.)
1/2"	9
5/8"	22
3/4"	37
1"	48

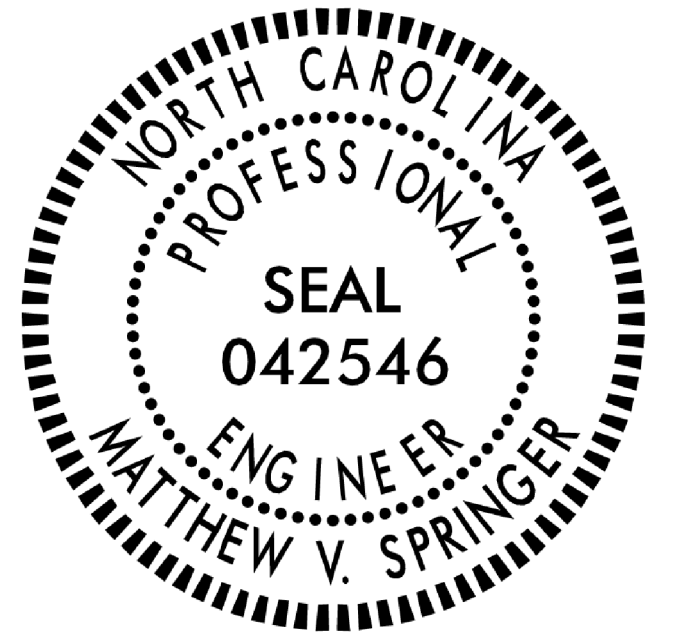
COMPLETELY ASSEMBLE BREAKAWAY SUPPORTS PRIOR TO ERECTION. BREAKAWAY SUPPORT TO BE SET IN ONE PIECE. AFTER SUPPORT HAS BEEN ERECTED AND THE CONCRETE FOOTINGS HAS CURED AT LEAST 48 HOURS, CLEAN CONCRETE FROM BASE CONNECTION BOLTS THEN LOOSEN AND RE TIGHTEN EACH BOLT IN A SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE. DO NOT OVER TIGHTEN. BURR ALL BOLT THREADS OF BASE CONNECTIONS TO PREVENT LOOSENING.

- ELIMINATE HINGE CONNECTION FOR ALL SINGLE SUPPORT SIGNS.
- DETAIL IS FOR ONE DIRECTION BREAKAWAY. WHEN PLANS REQUIRE A TWO DIRECTION BREAKAWAY, TWO FRICTION PLATES SHALL BE USED IN LIEU OF ONE FRICTION PLATE AND ONE HINGE PLATE.

STATE OF  
NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR  
**GROUND MOUNTED SIGN SUPPORTS**

SHEET 3 OF 3  
**903D1003**






Signed by:  
*Matthew V. Springer, PE*  
12/9/2025

**CONTRACTS STANDARDS AND DEVELOPMENT UNIT**  
Office 919-707-8950 FAX 919-250-4119

SEE TITLE BLOCK

ORIGINAL BY: **R.S. GALLO** DATE: **05-22-2025**  
 MODIFIED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 FILE SPEC.: \_\_\_\_\_

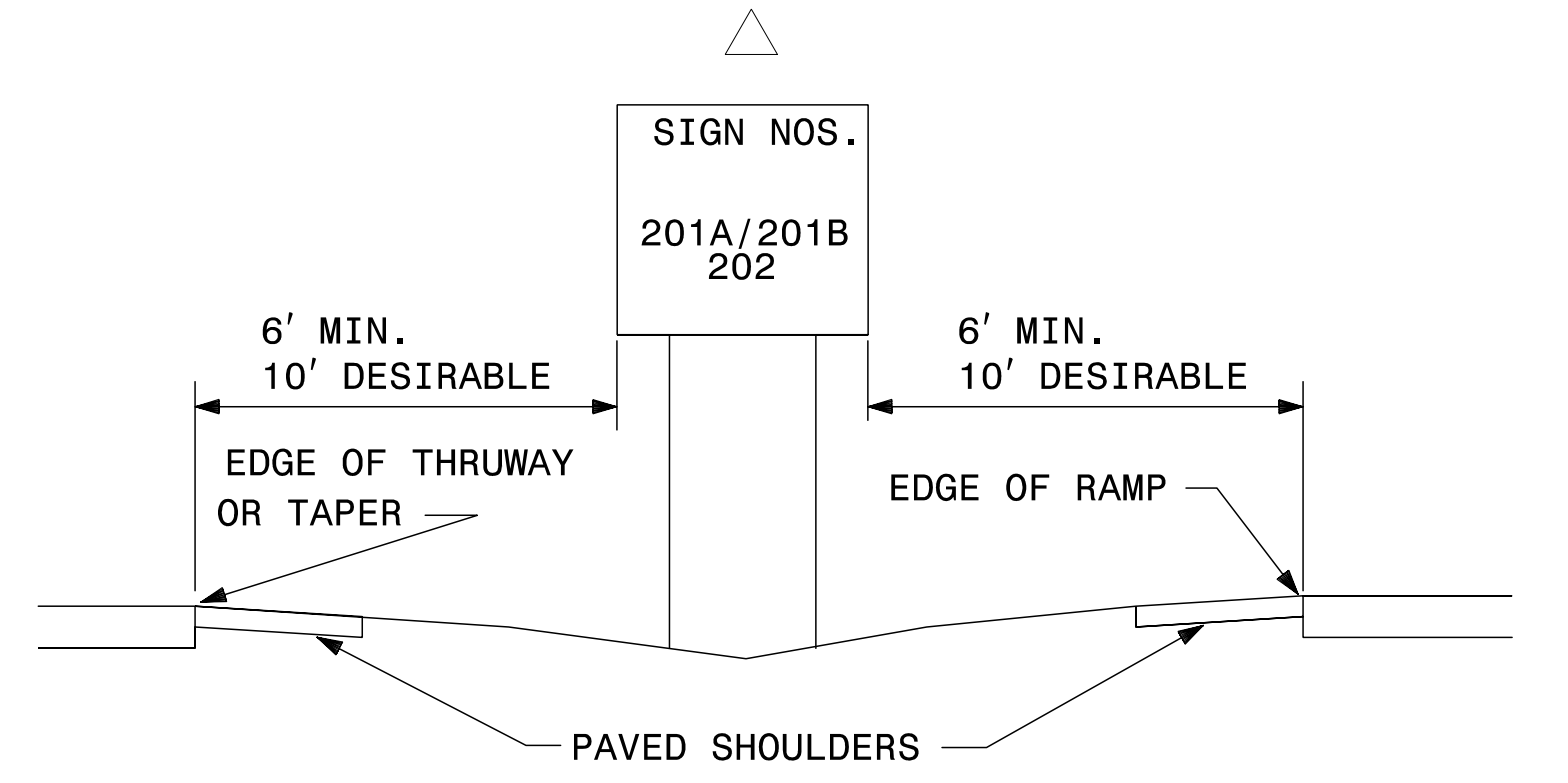
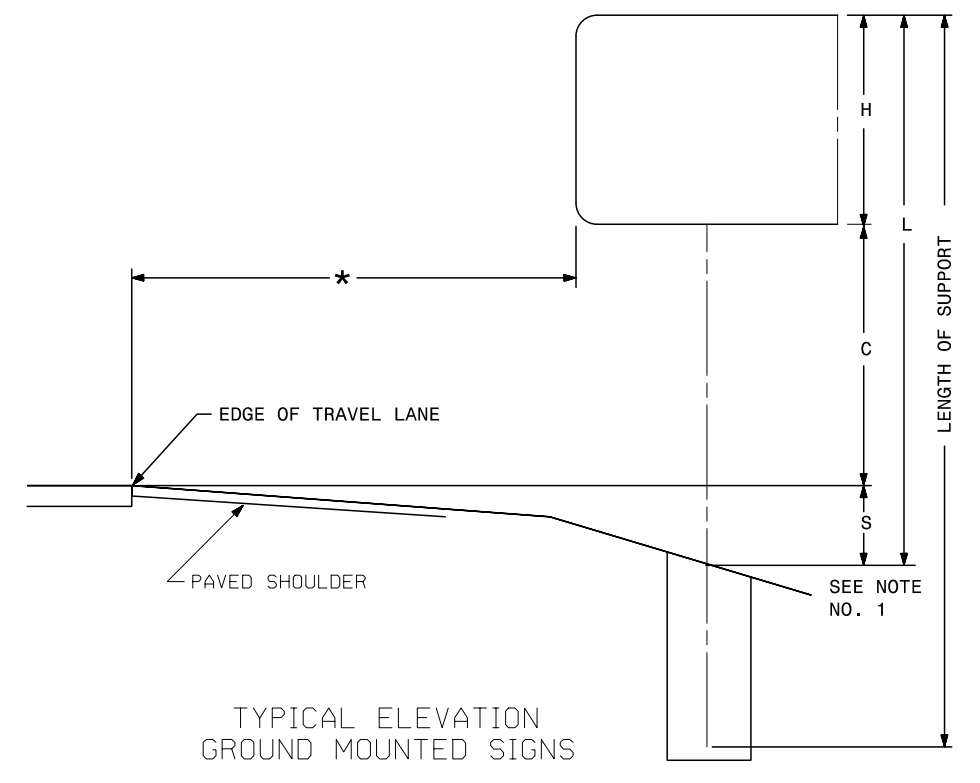
TIP NO. <b>B-5833</b>	SHEET NO. <b>SIGN-2</b>
APPROVED:  <small>DocuSigned by: Clifton T. Register 8DAF86CB842E4F8</small>	
DATE: 12/9/2025	
	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	
 <b>TGS ENGINEERS</b> 706 HILLSBOROUGH STREET (SUITE 200) RALEIGH, NC 27603 PH: (919) 773-8887 CORP. LICENSE NO.: C-0275	

**STEEL SUPPORT CHART:**

NUMBER	SIGN			ROADWAY STATION	NUMBER OF SUPPORTS	BEAM SECTION	SUPPORT TYPE BA or S	OMNI COUPLER	ATTACHMENT METHOD	MOUNTING METHOD	HORIZONTAL CLEARANCE* (ft.)	SUPPORT SPACING	LENGTH (ft)			LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			SUPPORT WEIGHTS		FOOTINGS				FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)	
	TYPE	SIZE (in.)											SNS HT "H"	MTG HT "C"	EMBED-MENT	S	L	LENGTH	S	L	LENGTH	S	L	LENGTH	B/A (lbs.)	SIMPLE (lbs.)	DIAMETER (ft.)	DEPTH (ft.)	REINFORCED (c.y.)	PLAIN (c.y.)		
		w	x																													h
201A	A	78	x	60	18+00 +/- Y3	2	S4x7.7	BA	N/A	N/A	Δ	3.81	7.00	7.00	3.0	1.56	15.56	18.56	0.00	0.00	0.00	1.53	15.53	18.53	325.59	0	1.0	3.5	0.00	0.20		
201B	B	78	x	24																												
202	A	78	x	60	27+00 +/- Y3	2	S3x5.7	BA	N/A	N/A	Δ	3.81	5.00	7.00	2.5	0.88	12.88	15.38	0.00	0.00	0.00	0.74	12.74	15.24	210.53	0	1.0	3	0.00	0.17		
901	B	90	x	48	15+50+/- LPD	2	S3x5.7	BA	N/A	N/A	20.00	4.40	4.00	7.30	2.5	-0.30	11.00	13.50	0.00	0.00	0.00	-0.20	11.10	13.60	190.47	0	1.0	3	0.00	0.17		
902	A	90	x	84	17+00+/- LPD	2	S4x7.7	BA	N/A	N/A	20.00	4.40	7.00	7.00	3.0	1.40	15.40	18.40	0.00	0.00	0.00	2.50	16.50	19.50	331.83	0	1.0	3.5	0.00	0.20		
903	B	90	x	48	13+00+/- RPA	2	S3x5.7	BA	N/A	N/A	20.00	4.40	4.00	7.00	2.5	2.40	13.40	15.90	0.00	0.00	0.00	3.30	14.30	16.80	222.39	0	1.0	3	0.00	0.17		
904	A	90	x	84	14+50+/- RPA	2	S4x7.7	BA	N/A	N/A	20.00	4.40	7.00	7.00	3.0	1.70	15.70	18.70	0.00	0.00	0.00	1.90	15.90	18.90	329.52	0	1.0	3.5	0.00	0.20		
													TOTAL			TOTAL			TOTAL				TOTAL									
													1610.34			0.00			0.00				1.13									
													USE:			1611.00			0.00			0.00				2.00						

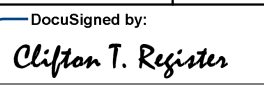
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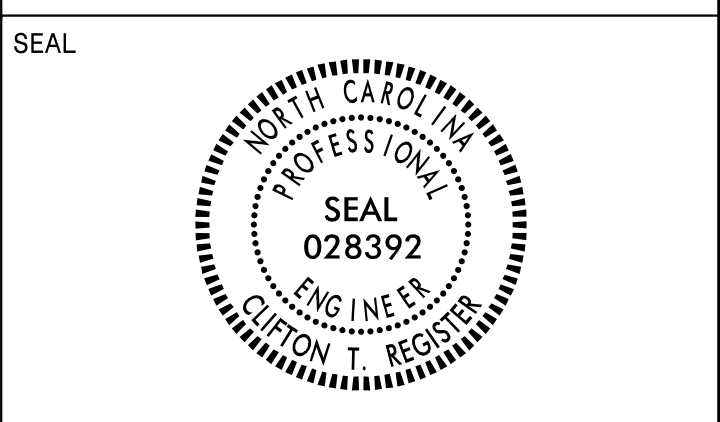
- DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF TRAVEL LANE.
- FIELD VERIFICATIONS SHALL BE REQUIRED FOR ALL SUPPORTS, SEE (\*) ARTICLE 903-3. FABRICATORS SHALL BE AISC CERTIFIED IN CATEGORY 1, SEE (\*) ARTICLE 1072-1. (\*) = N.C.D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES
- PLAN LOCATIONS FOR EXISTING UTILITIES ARE BASED ON THE BEST AVAILABLE INFORMATION AND, THEREFORE MAY NOT BE PRECISELY ACCURATE. THEREFORE, IT IS INCUMBENT UPON THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF UTILITIES BEFORE BEGINNING WORK IN A LOCATION.
- IF GROUNDWATER IS ENCOUNTERED AT A DEPTH SHALLOWER THAN 7 FEET, THE SIGN FOUNDATION MUST BE REDESIGNED BASED UPON THE ACTUAL FIELD CONDITIONS. THE FOUNDATION DESIGN DOES NOT APPLLY TO VERY SOFT OR LOOSE SOIL, MUCK, WEATHERED ROCK, OR HARD ROCK.



**TYPE "A" AND TYPE "B" GROUND MOUNTED SIGNS**

12/9/2025  
 X:\ncdot\1-b-58333\tr-offrnc\Sigming\CADD\Quantities & GM\_Signs\1-b-58333\_Sign\_Sign02(Ground Mounted Signs).dgn  
 User: rbrannen

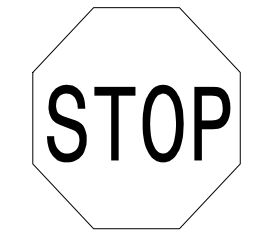
APPROVED:   
DocuSigned by:  
Clifton T. Register  
8DAF86CB94E4F8  
 DATE: 12/9/2025



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**TGS ENGINEERS**  
 706 HILLSBOROUGH STREET  
 (SUITE 200)  
 RALEIGH, NC 27603  
 PH: (919) 773-3887  
 CORP. LICENSE NO.: C-0275


401 QUANTITY REQ'D 9



36" X 36"  
R1-1

ONE "U" POST PER SIGN  
MOUNT BACK TO BACK WITH SIGN 407  
IN 4 INSTALLATIONS

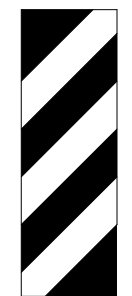
406 QUANTITY REQ'D 2



36" X 12"  
R6-1

TWO "U" POSTS PER SIGN

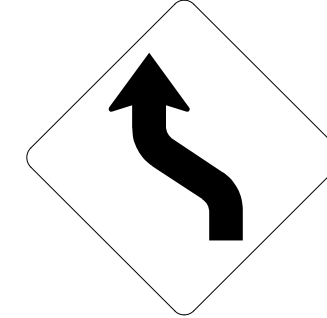
411 QUANTITY REQ'D 3



12" X 36"  
OM3-R

ONE "U" POSTS PER SIGN


402 QUANTITY REQ'D 1



36" X 36"  
W1-4L

ONE "U" POST PER SIGN

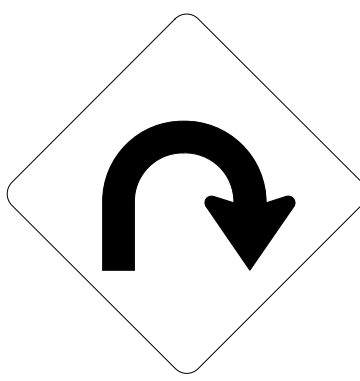
407 QUANTITY REQ'D 4



36" X 36"  
R5-1

ONE "U" POST PER SIGN  
MOUNT BACK TO BACK WITH SIGN 401  
IN 4 INSTALLATIONS

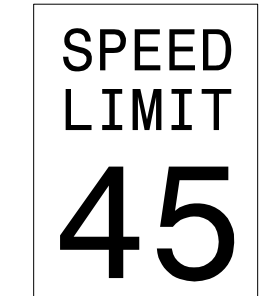
412 QUANTITY REQ'D 1



48" X 48"  
W1-11R

TWO "U" POSTS PER SIGN

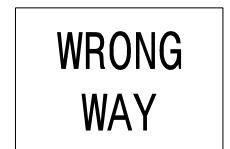
403 QUANTITY REQ'D 2



30" X 36"  
R2-1

ONE "U" POST PER SIGN


408 QUANTITY REQ'D 4



42" X 30"  
R5-1a

ONE "U" POST PER SIGN


413 QUANTITY REQ'D 1



24" X 24"  
W13-1P

MOUNT BELOW SIGN 412  
IN 1 INSTALLATION

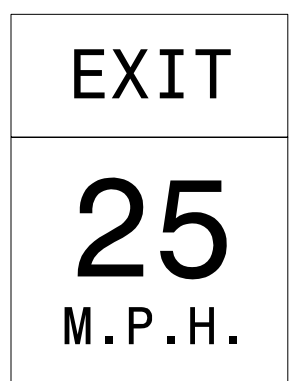
404 QUANTITY REQ'D 1



36" X 36"  
W14-2

ONE "U" POST PER SIGN

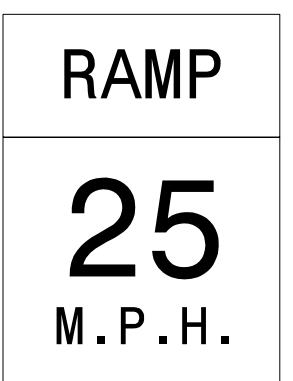
409 QUANTITY REQ'D 1



48" X 60"  
W13-2

TWO "U" POSTS PER SIGN

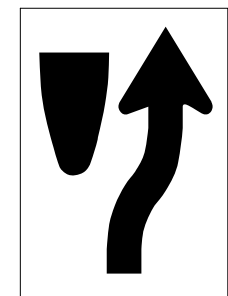
414 QUANTITY REQ'D 1



48" X 60"  
W13-3

TWO "U" POSTS PER SIGN

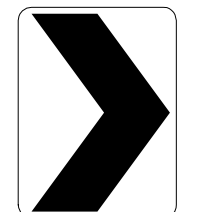
405 QUANTITY REQ'D 6



24" X 30"  
R4-7

ONE "U" POST PER SIGN

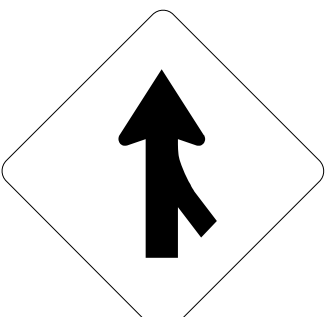
410 QUANTITY REQ'D 11



36" X 48"  
W1-8R

TWO "U" POSTS PER SIGN

415 QUANTITY REQ'D 2



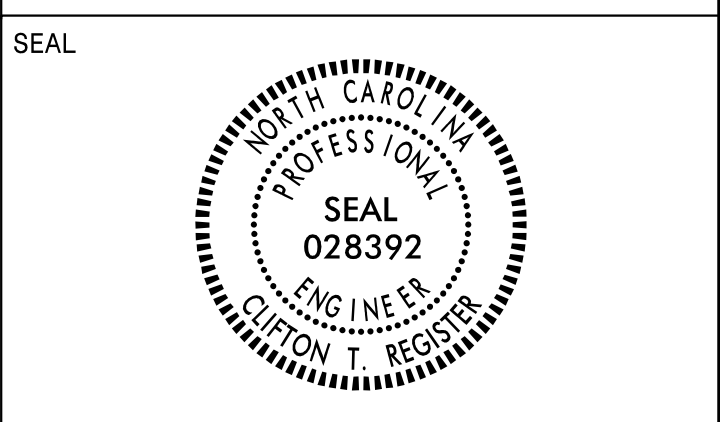
48" X 48"  
W4-1R

TWO "U" POSTS PER SIGN

**TYPE "E" SIGNS**

12/9/2025  
 I:\projects\B-5833\tr-off\c\Signing\CADD\Sign\_Designs\B5833\_Sgn\_Sign03\_TypeE.dgn  
 Clifton T. Register

DocuSigned by:  
*Clifton T. Register*  
80AF68CB9A2E4F8  
APPROVED: \_\_\_\_\_  
DATE: 12/9/2025



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706 HILLSBOROUGH STREET  
(SUITE 200)  
RALEIGH, NC 27603  
PH: (919) 773-3887  
CORP. LICENSE NO.: C-0275

501

TWO "U" POSTS PER ASSEMBLY

506

TWO "U" POSTS PER ASSEMBLY

502

ONE "U" POST PER ASSEMBLY

507

TWO "U" POSTS PER ASSEMBLY

503

TWO "U" POSTS PER ASSEMBLY

508

TWO "U" POSTS PER ASSEMBLY

504 510

TWO "U" POSTS PER ASSEMBLY

509

ONE "U" POST PER ASSEMBLY

505

ONE "U" POST PER ASSEMBLY

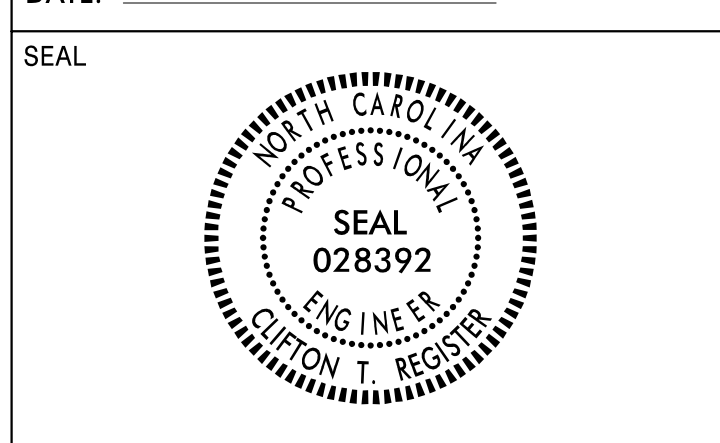
511

TWO "U" POSTS PER ASSEMBLY

**TYPE "F" SIGNS**

12/9/2025  
I:\projects\B-5833\tr-off-f.c\Signing\CADD\Sign\_Designs\B5833\_Sgn\_Sign03A\_TypeF.dgn  
Clifton T. Register

DocuSigned by:  
**Clifton T. Register**  
BDAF9CB842E4FB  
2/27/2026



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**TGS ENGINEERS**  
706 HILLSBOROUGH STREET  
(SUITE 200)  
RALEIGH, NC 27603  
PH (919) 773-8887  
CORP. LICENSE NO.: C-0275

SIGN NUMBER: 301  
TYPE: D  
QUANTITY: 1  
SIGN WIDTH: 6'-0"  
HEIGHT: 2'-6"  
TOTAL AREA: 15.0 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 0.75"  
RADII: 2.25"  
NO. Z BARS: LENGTH:

BACKG COLOR: Green  
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	7.55	19.25	6	9
AR_Type D	49.45	4.75	9	6

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: CMB  
PROJECT ID: B-5833  
CHECKED BY: DAP  
LOCATION: YADKIN COUNTY  
Feb 27, 2023  
DIV: 11

BORDER R=2.25" TH=0.75"

USE NOTES: 1,2  
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.  
2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Letter	X	Y	WID	HT	Series/Size	Text Length
J	10.6	15	19.2	23.1	D 2000	60
o	19.2	23.1	26.1	30.9	D 2000	60
n	30.9	32.8	34.6	36.3	D 2000	60
e	39.8	44.2	48.7	53.1	D 2000	60
s	53.1	57.5	61.9			
v	61.9					
i						
l						
i						
e						
E	10.4	12.2	16.6	18.4	D 2000	60
l	26.4	30.7	35.1	39.5	D 2000	60
k	43.9	48.3	52.7	57.1	D 2000	60
i	57.1	61.5				
n						

FILENAME: b5833\_Sgn\_sign\_designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302  
TYPE: D  
QUANTITY: 1  
SIGN WIDTH: 5'-6"  
HEIGHT: 2'-6"  
TOTAL AREA: 13.8 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 0.75"  
RADII: 2.25"  
NO. Z BARS: LENGTH:

BACKG COLOR: Green / Green  
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	7.55	19.25	6	9
AR_Type D	49.45	4.75	9	6

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: CMB  
PROJECT ID: B-5833  
CHECKED BY: DAP  
LOCATION: YADKIN COUNTY  
Feb 27, 2023  
DIV: 11

BORDER R=2.25" TH=0.75"

USE NOTES: 1,2  
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.  
2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Letter	X	Y	WID	HT	Series/Size	Text Length
W	20.8	26.4	31.1	34.1	D 2000	36.5
y	31.1	34.1	38.6	42.5	D 2000	36.5
t	42.5	47.5	49.6	51.8	D 2000	36.5
e	51.8	53.7				
s	7.5	12	14.7	18.7	D 2000	35.9
v	21.6	25.6	28.7	33.7	D 2000	35.9
i	33.7	35.8	38	39.9	D 2000	35.9
l						
i						
e						

FILENAME: b5833\_Sgn\_sign\_designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 303, 306  
TYPE: D  
QUANTITY: 2  
SIGN WIDTH: 5'-6"  
HEIGHT: 1'-6"  
TOTAL AREA: 8.3 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 0.75"  
RADII: 2.25"  
NO. Z BARS: LENGTH:

BACKG COLOR: Green  
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	7.55	6	6	9

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: CMB  
PROJECT ID: B-5833  
CHECKED BY: DAP  
LOCATION: YADKIN COUNTY  
Feb 27, 2023  
DIV: 11

BORDER R=0.75" TH=2.25"

USE NOTES: 1,2  
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.  
2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Letter	X	Y	WID	HT	Series/Size	Text Length
J	22.6	27.5	32.1	36.5	D 2000	35.9
o	36.5	40.6	43.7	48.7	D 2000	35.9
n	48.7	50.8	53	54.9	D 2000	35.9
e	54.9					
s						
v						
i						
l						
i						
e						

FILENAME: b5833\_Sgn\_sign\_designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 304  
TYPE: D  
QUANTITY: 1  
SIGN WIDTH: 5'-6"  
HEIGHT: 2'-6"  
TOTAL AREA: 13.8 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 0.75"  
RADII: 2.25"  
NO. Z BARS: LENGTH:

BACKG COLOR: Green  
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	9	17.8	6	9
AR_Type D	7.55	4.7	6	9

MAT'L: 0.080" (2.0 mm) ALUMINUM

DESIGN BY: CMB  
PROJECT ID: B-5833  
CHECKED BY: DAP  
LOCATION: YADKIN COUNTY  
Aug 03, 2023  
DIV: 11

BORDER R=2.25" TH=0.75"

USE NOTES: 1,2  
1. Legend and border shall be direct applied black non-reflective sheeting.  
2. Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

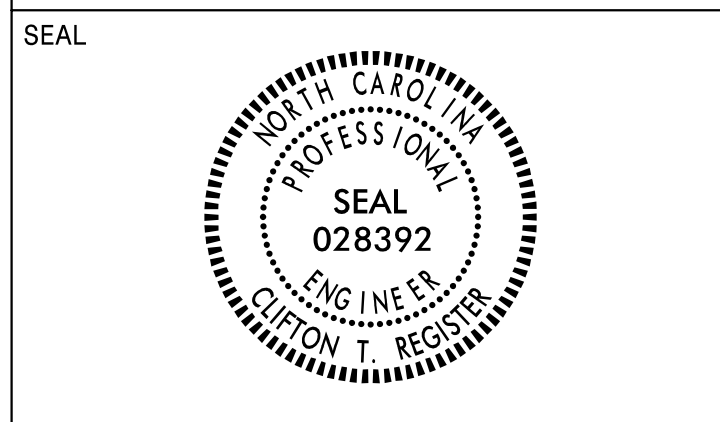
Letter	X	Y	WID	HT	Series/Size	Text Length
J	22.5	27.5	32.1	36.5	D 2000	35.9
o	36.5	40.6	43.7	48.6	D 2000	35.9
n	48.6	50.8	53	54.9	D 2000	35.9
e	54.9					
s	7.5	12	14.7	18.7	D 2000	35.9
t	21.6	25.6	28.7	33.7	D 2000	35.9
a	33.7	35.8	38	39.9	D 2000	35.9
t						
e						
s						
v						
i						
i						
e						

FILENAME: b5833\_Sgn\_sign\_designs NORTH CAROLINA D.O.T. SIGN DETAIL

2/27/2026  
N:\ncdo\B-5833\tr\of\ic\signing\cadd\Sign\_Designs\B5833\_Sgn\_Sign04.dgn  
User: ctabannon

# SIGN DESIGNS

APPROVED: *Clifton T. Register*  
DATE: 2/27/2026



**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

TGS ENGINEERS  
706 HILLSBOROUGH STREET  
RALEIGH, NC 27603  
PH (919) 773-8887  
CORP. LICENSE NO.: C-0275

SIGN NUMBER: 305      BACKG COLOR: Green  
TYPE: D      COPY COLOR: White  
QUANTITY: 1

SYMBOL	X	Y	WID	HT
AR_Type D	49.75	6	9	6

SIGN WIDTH: 5'-6"  
HEIGHT: 1'-6"  
TOTAL AREA: 8.3 Sq.Ft.

BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 0.75"  
RADII: 2.25"

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: CMB      CHECKED BY: DAP      Feb 27, 2023  
PROJECT ID: B-5833      LOCATION: YADKIN COUNTY      DIV: 11

USE NOTES: 1,2  
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.  
2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

W	y	t	h	e	v	i	l	i	e	Series/Size	Text Length
7.3	12.9	17.6	20.6	25.1	29	34	36.1	38.3	40.2	D 2000	36.5

FILENAME: b5833\_Sgn\_sign\_designs      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 307      BACKG COLOR: Green / Green  
TYPE: D      COPY COLOR: White  
QUANTITY: 1

SYMBOL	X	Y	WID	HT
AR_Type D	9	19.2	6	9
AR_Type D	7.3	4.1	9	6

SIGN WIDTH: 5'-6"  
HEIGHT: 2'-6"  
TOTAL AREA: 13.8 Sq.Ft.

BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 0.75"  
RADII: 2.25"

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: CMB      CHECKED BY: DAP      Feb 27, 2023  
PROJECT ID: B-5833      LOCATION: YADKIN COUNTY      DIV: 11

USE NOTES: 1,2  
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.  
2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

S	t	o	t	e	s	v	i	i	e	Series/Size	Text Length
21	25.5	28.2	32.3	35.1	39.1	42.2	47.2	49.4	51.5	D 2000	35.9
W	y	t	h	e	v	i	i	e	Series/Size	Text Length	
22.3	27.9	32.6	35.6	40.1	44	49	51.1	53.3	D 2000	36.5	

FILENAME: b5833\_Sgn\_sign\_designs      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 201A, 202      BACKG COLOR: Green  
TYPE: A      COPY COLOR: White  
QUANTITY: 2

SYMBOL	X	Y	WID	HT
AR_Type A	47	6	18.6	29.3

SIGN WIDTH: 6'-6"  
HEIGHT: 5'-0"  
TOTAL AREA: 32.5 Sq.Ft.

BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 1.5"  
RADII: 8"

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: CMB      CHECKED BY:      Feb 27, 2023  
PROJECT ID: B-5833      LOCATION: YADKIN COUNTY      DIV: 11

USE NOTES: 1,2  
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.  
2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise  
\* Increase character spacing 225%

LETTER POSITIONS

Letter locations are panel edge to lower left corner

E	X	I	T	Series/Size	Text Length
16.8	29.6	45.4	52.2	E 2000	44.4
7	9			E 2000	
6	23.6			E 2000	32.2

FILENAME: b5833\_Sgn\_Sign04\_thru\_04A - Copy      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 201B      BACKG COLOR: Yellow  
TYPE: B      COPY COLOR: Black  
QUANTITY: 1

SYMBOL	X	Y	WID	HT
--------	---	---	-----	----

SIGN WIDTH: 6'-6"  
HEIGHT: 2'-0"  
TOTAL AREA: 13.0 Sq.Ft.

BORDER TYPE: FLUSH  
RECESS: 0.63"  
WIDTH: 0.88"  
RADII: 3"

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: CMB      CHECKED BY:      Feb 27, 2023  
PROJECT ID: B-5833      LOCATION: YADKIN COUNTY      DIV: 11

USE NOTES: 1,2  
1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.  
2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

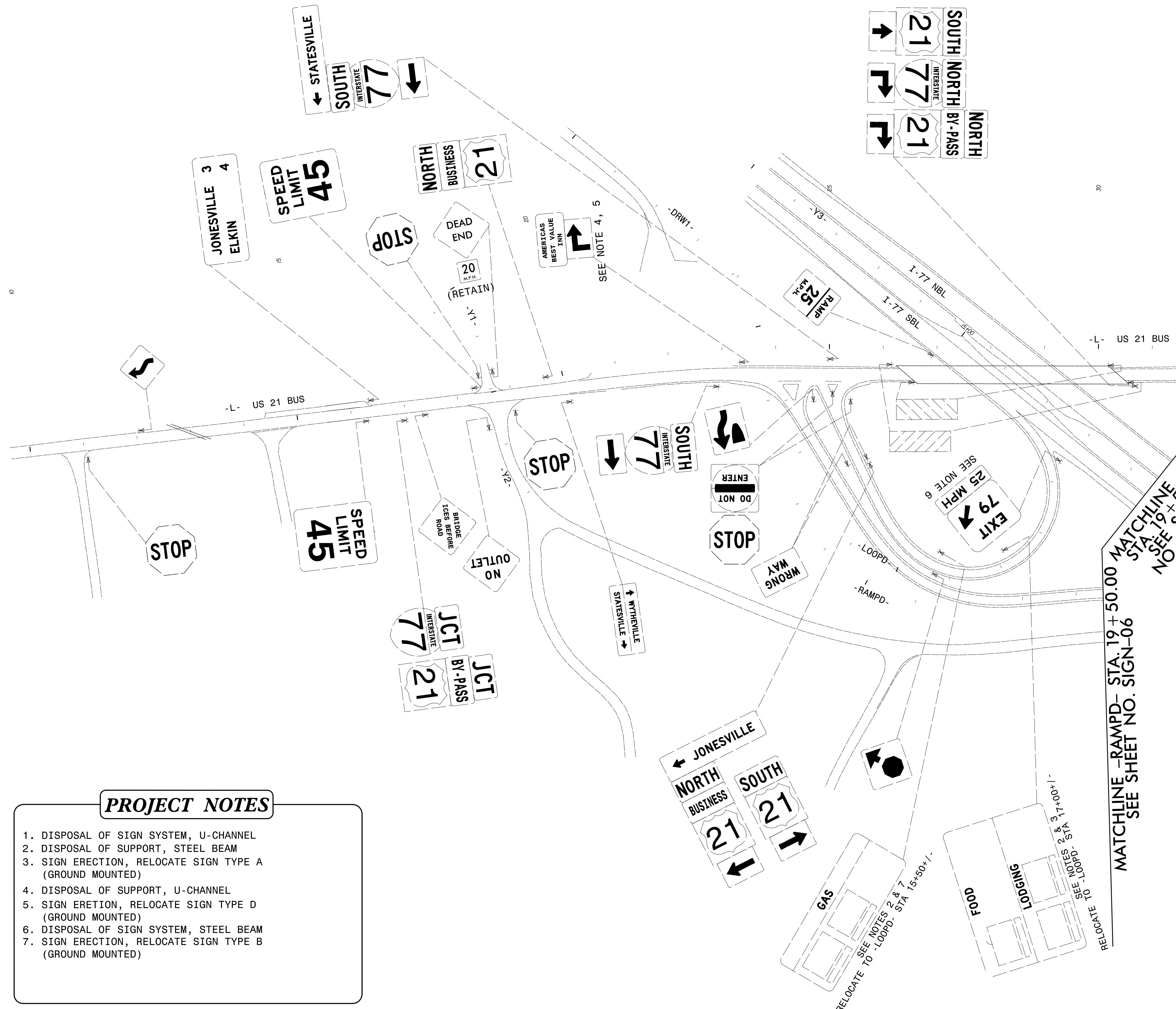
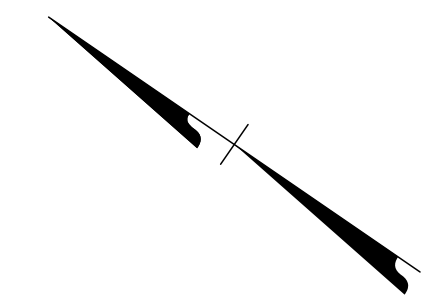
2	5	M	P	H	Series/Size	Text Length
6.3	17.7	27.4	35.8	50.2	E 2000	65.4

FILENAME: b5833\_Sgn\_Sign04\_thru\_04A - Copy      NORTH CAROLINA D.O.T. SIGN DETAIL

2/27/2026  
I:\ncddo\B-5833\tr-off\c\signing\cadd\Sign\_Designs\b5833\_Sgn\_Sign04.dgn  
User: tbrannon

# SIGN DESIGNS

TIP NO. B-5833	SHEET NO. SIGN-05
DocuSigned by: <b>Clifton T. Register</b> [Signature]	
APPROVED: _____	
DATE: 12/9/2025	
SEAL	
	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	
 <b>TGS ENGINEERS</b> 706 HILLSBOROUGH STREET (SUITE 200) RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	



### PROJECT NOTES

1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2. DISPOSAL OF SUPPORT, STEEL BEAM
3. SIGN ERECTION, RELOCATE SIGN TYPE A (GROUND MOUNTED)
4. DISPOSAL OF SUPPORT, U-CHANNEL
5. SIGN ERECTION, RELOCATE SIGN TYPE D (GROUND MOUNTED)
6. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
7. SIGN ERECTION, RELOCATE SIGN TYPE B (GROUND MOUNTED)

SEE PROJECT NOTE 1 FOR ALL SIGN SYSTEMS THIS SHEET UNLESS OTHERWISE NOTED

### EXISTING SIGNS


MATCHLINE -RAMPD- STA. 19 + 50.00  
 SEE SHEET NO. SIGN-06

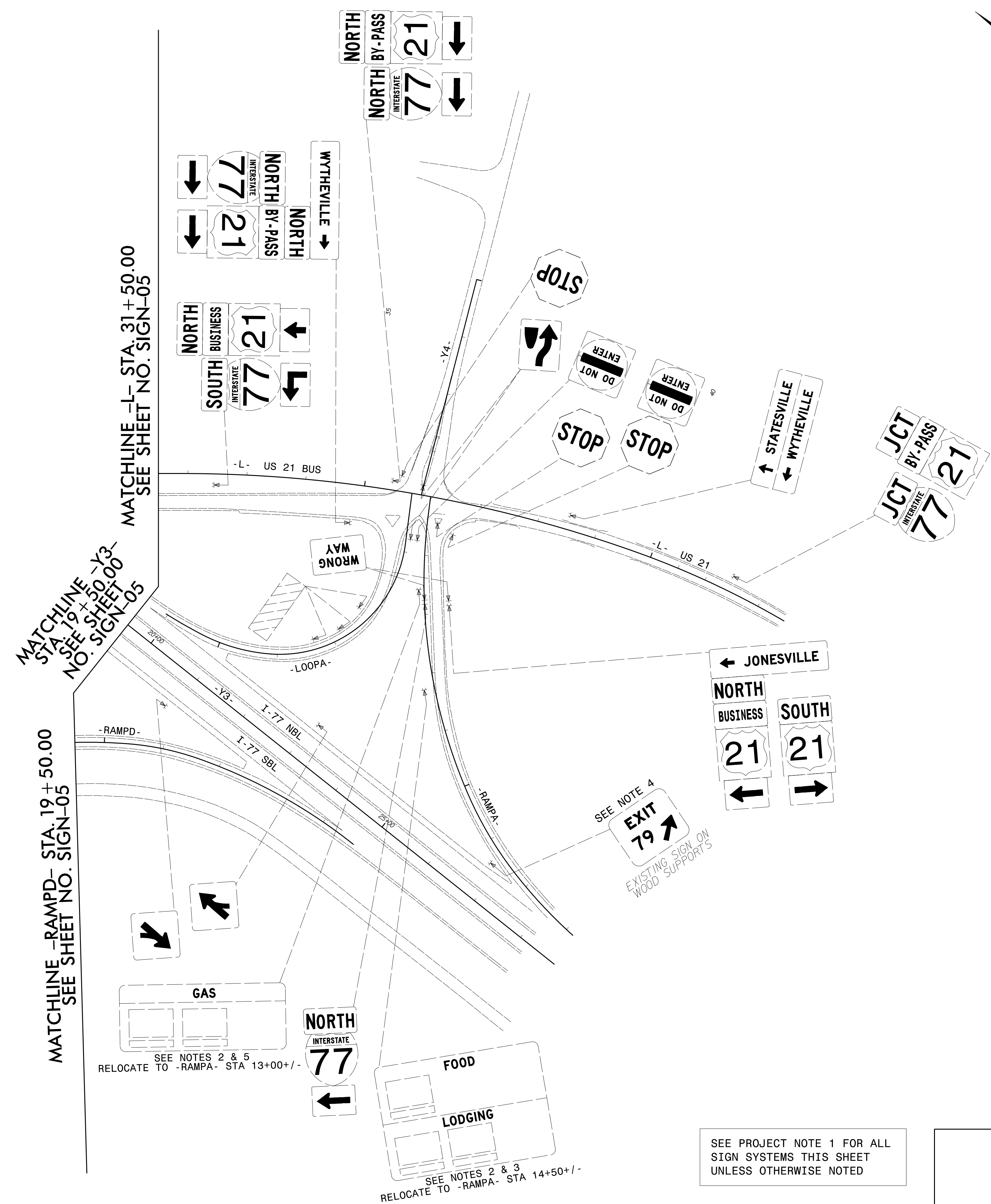
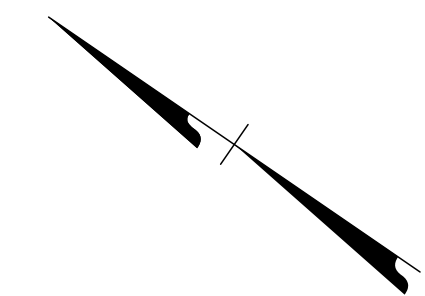
MATCHLINE -L- STA. 31 + 50.00  
 SEE SHEET NO. SIGN-06

MATCHLINE -L- STA. 19 + 50.00  
 SEE SHEET NO. SIGN-06

MATCHLINE -L- STA. 15 + 50.00  
 SEE SHEET NO. SIGN-06

12/9/2025  
 M:\ncdot\l-5833\traffic\signing\cadd\signing\Layout\Plans\5833\_Sgn\_sign\_05.dgn  
 User: tbrannon

TIP NO. B-5833	SHEET NO. SIGN-06
Drawn by: <b>Clifton T. Register</b> <small>— 8DAF9C8B42E4F8 —</small>	
APPROVED:	
DATE: 12/9/2025	
SEAL 	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	
 <b>TGS ENGINEERS</b> 706 HILLSBOROUGH STREET (SUITE 200) RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	



### PROJECT NOTES

1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2. DISPOSAL OF SUPPORT, STEEL BEAM
3. SIGN ERECTION, RELOCATE SIGN TYPE A (GROUND MOUNTED)
4. DISPOSAL OF SIGN SYSTEM, WOOD
5. SIGN ERECTION, RELOCATE SIGN TYPE B (GROUND MOUNTED)

GAS  
 SEE NOTES 2 & 5  
 RELOCATE TO -RAMPB- STA 13+00+/-


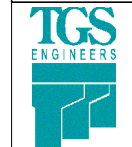
FOOD  
 LODGING  
 SEE NOTES 2 & 3  
 RELOCATE TO -RAMPB- STA 14+50+/-

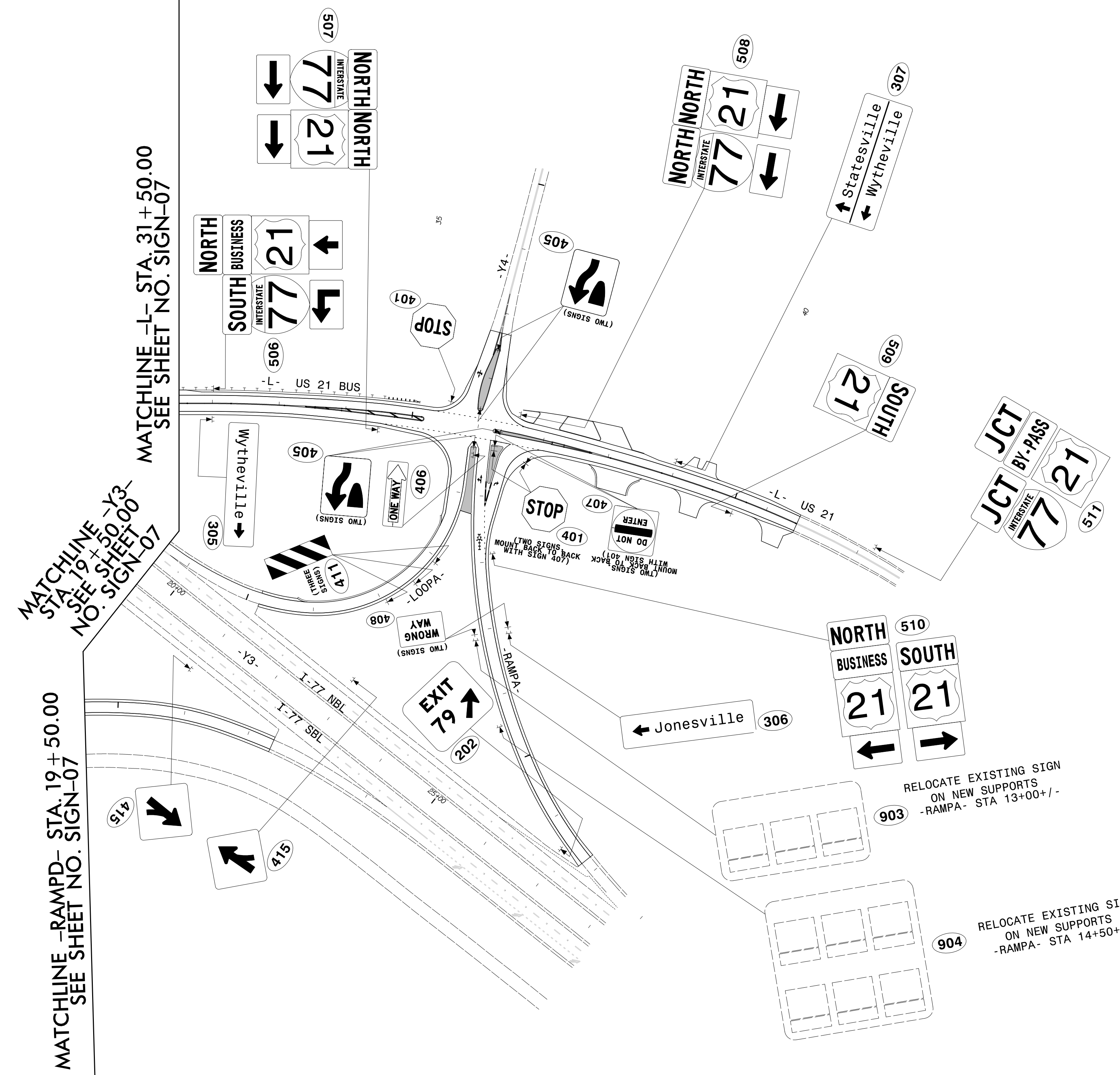
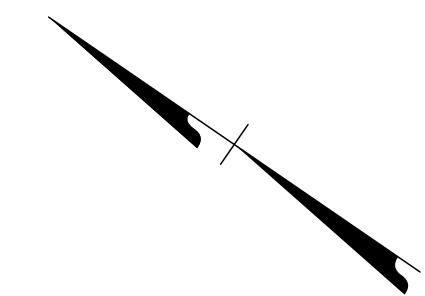
SEE PROJECT NOTE 1 FOR ALL SIGN SYSTEMS THIS SHEET UNLESS OTHERWISE NOTED

**EXISTING SIGNS**

12/9/2025  
 M:\ncdot\l-b-5833\traffic\signing\cadd\signing Layout Plans\b5833\_Sgn\_sign\_06.dgn  
 User:ctbrannon



TIP NO. B-5833	SHEET NO. SIGN-08
DocuSigned by: <b>Clifton T. Register</b> 8DAF96CB842E4F8	
APPROVED: _____	
DATE: 12/9/2025	
SEAL	
	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	
 <b>TGS ENGINEERS</b> 706 HILLSBOROUGH STREET (SUITE 200) RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	



12/9/2025  
M:\ncdot\1b-5833\traffic\signing\cadd\signing Layout Plans\5833\_Sgn\_sign\_08.dgn  
User:cbannon

# PROPOSED SIGNS