

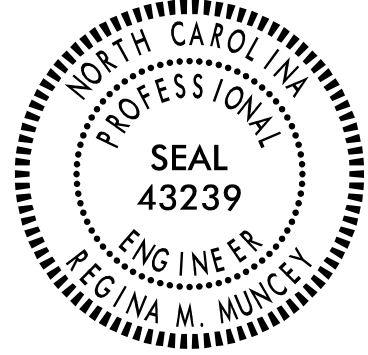
T.I.P.: HB-0004

CONTRACT NO.: C204865

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
HAYWOOD COUNTY**

LOCATION: REPLACE BRIDGE 243 ON I-40 OVER NC 215 (CHAMPION DR)

<small>TIP NO.</small> HB-0004	<small>SHEET NO.</small> SIGN-1
<small>APPROVED BY:</small> Regina M. Muncey <small>07FEE1B22454FA</small>	
<small>DATE:</small> 4/8/2024	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

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:

<u>STD. NO.</u>	<u>TITLE</u>
901.10	TYPE 'A' SIGNS
901.20	TYPE 'B' SIGNS
901.50	ARROWS AND SHIELDS
901.70	SIGN STRINGERS AND SUPPORT SPACING
901.80	SIGN MOUNTING DETAILS
902.10	FOUNDATIONS FOR GROUND MOUNTED SIGNS
903.10	GROUND MOUNTED SIGN SUPPORTS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.40	MILEPOST AND PLACEMENT
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
910.50	SIGNING FOR SPEED REDUCTION ZONE

GENERAL NOTES

- SIGNS FURNISHED BY STATE.
- CONFIRM IN WRITING AT LEAST 6 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.

SUMMARY OF QUANTITIES

<u>ITEM NO.</u>		<u>ITEM DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>
<u>DESC. NO.</u>	<u>SECT. NO.</u>			
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATIONS.....	4	CY
4054000000	902	PLAIN CONCRETE SIGN FOUNDATIONS.....	1	CY
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM.....	3,184	LB
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM.....	1,534	LB
4072000000	903	SUPPORTS, 3-LB STEEL U-CHANNEL.....	1,000	LF
4082000000	903	SUPPORTS, WOOD.....	84	LF
4096000000	904	SIGN ERECTION, TYPE D.....	5	EA
4102000000	904	SIGN ERECTION, TYPE E.....	24	EA
4108000000	904	SIGN ERECTION, TYPE F.....	11	EA
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED).....	9	EA
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED).....	4	EA
4114000000	904	SIGN ERECTION, MILEMARKERS.....	4	EA
4116100000	904	SIGN ERECTION, RELOCATE TYPE A (GROUND MOUNTED).....	2	EA
4138000000	907	DISPOSAL OF SUPPORT, STEEL BEAM.....	4	EA
4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM.....	4	EA
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL.....	36	EA

PROJECT NOTE

PRIOR TO ORDERING SIGNS AND SUPPORTS, CONTACT DIVISION FOR APPROVAL OF SIGNS 108 AND 109.

INDEX

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
SIGN-1	TITLE SHEET
SIGN-2	SUPPORT DESIGN
SIGN-3-3C	SIGN DESIGNS
SIGN-4	TYPE 'E', 'F', & MILEMARKER SIGNS
SIGN-5-8	SIGNING PLAN SHEETS

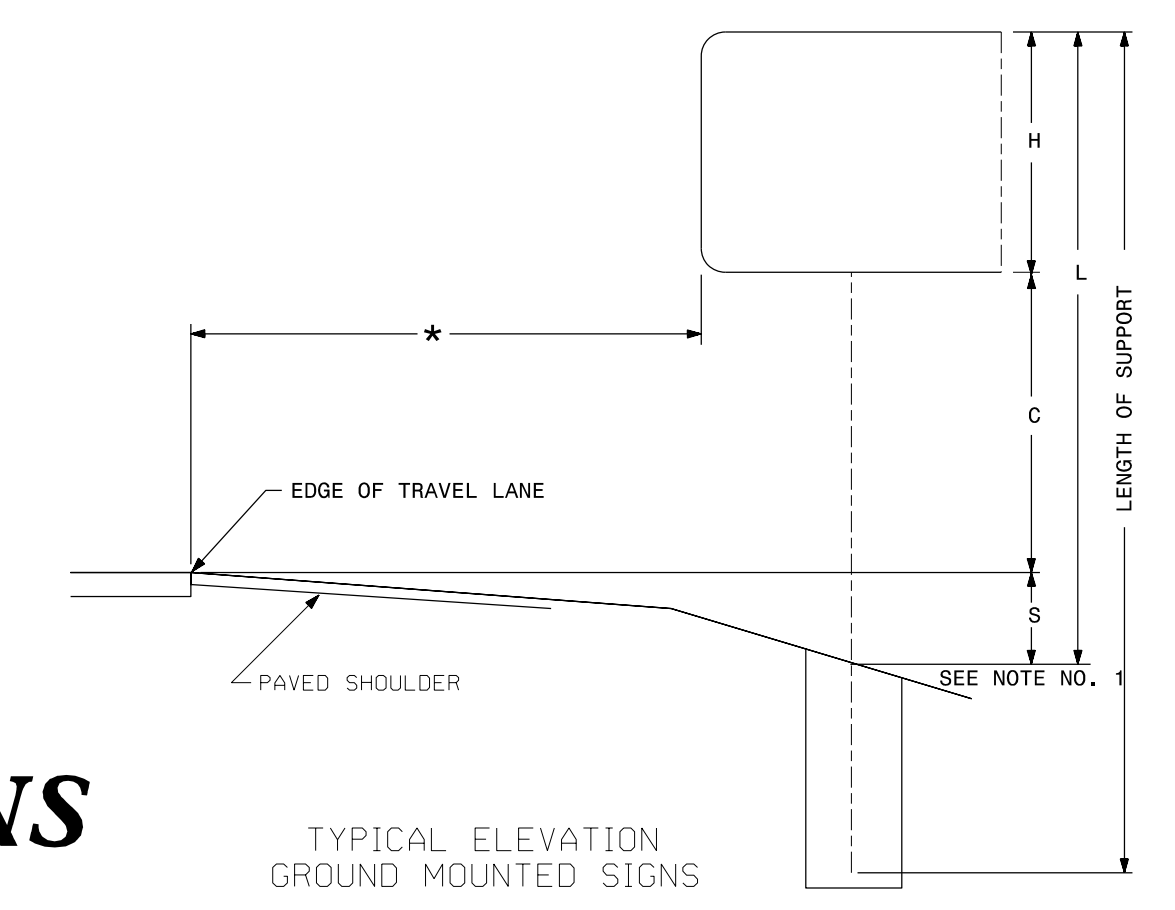
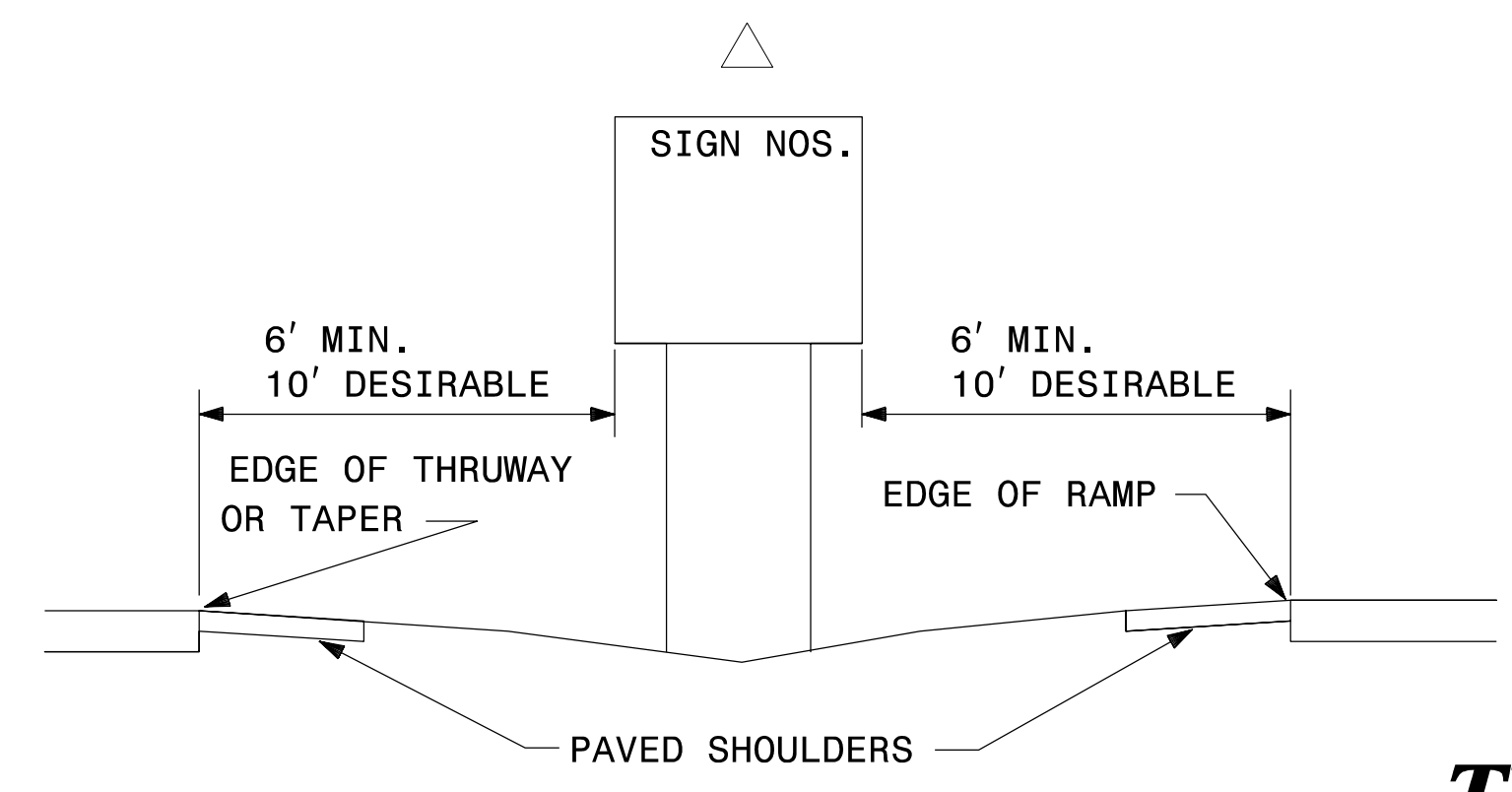
PLAN PREPARED BY:

REGINA M. MUNCEY, PE TRANSPORTATION ENGINEER
ROSI R. HENNEIN TRANSPORTATION DESIGNER



Stantec Consulting Services Inc.
801 Jones Franklin Road
Suite 300
Raleigh, NC 27606
Tel. (919) 851-6866
Fax. (919) 851-7024
www.stantec.com
License No. F-0672

\$\$\$SYTIME\$\$\$
\$\$\$DGN\$\$\$
\$\$\$USERNAME\$\$\$



TIP NO. HB-0004	SHEET NO. SIGN-2
APPROVED: <i>Regina M. Muncy</i> <small>REGISTERED PROFESSIONAL ENGINEER C7FEE1802245FA</small>	
DATE: 4/8/2024	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

TYPE 'A' & 'B' GROUND MOUNTED SIGNS

SUPPORT CHART

Version: 3.2 Posted: 7/5/2023

NUMBER	SIGN TYPE	SIGN SIZE (in.)			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)
		w	x	h										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.)	
101A	B	114	x	30	-L- 241+00	2	W8x21	S	N/A	1-R	N/A	20.00	5.86	10.00	7.00	4.5	3.21	20.21	24.71	0.00	0.00	0.00	6.14	23.14	27.64	0.00	1099.35	2.0	5	1.16	0.00	_____
101B	A	120	x	120	-L- 253+50	2	S3x5.7	S	N/A	N/A	N/A	31.09	4.40	4.00	7.00	2.5	1.57	12.57	15.07	0.00	0.00	0.00	2.30	13.30	15.80	0.00	175.959	1.0	3	0.00	0.17	_____
102	B	90	x	48	-L- 256+00	2	S4x7.7	S	N/A	N/A	N/A	30.82	4.40	4.00	7.00	3.0	1.65	12.65	15.65	0.00	0.00	0.00	3.85	14.85	17.85	0.00	257.95	1.0	3.5	0.00	0.20	_____
103	B	90	x	48	-L- 256+00	2	S4x7.7	S	N/A	N/A	N/A	30.82	4.40	4.00	7.00	3.0	1.65	12.65	15.65	0.00	0.00	0.00	3.85	14.85	17.85	0.00	257.95	1.0	3.5	0.00	0.20	_____
104	A	78	x	66	-Y1- 13+90	1	W8x21	BA	N/A	N/A	N/A	15.00	0.00	5.50	7.00	3.0	0.00	0.00	0.00	2.73	15.23	18.23	0.00	0.00	0.00	455.83	0	2.0	3.5	0.41	0.00	_____
105A	B	114	x	30	-L- 272+00	2	W6x16	BA	N/A	1-R	N/A	20.00	5.86	10.00	7.00	4.5	1.79	18.79	23.29	0.00	0.00	0.00	2.76	19.76	24.26	854.80	0	1.5	5	0.65	0.00	_____
105B	A	120	x	120	-L- 272+00	2	W6x16	BA	N/A	N/A	N/A	20.00	5.86	10.00	7.00	4.5	1.79	18.79	23.29	0.00	0.00	0.00	2.76	19.76	24.26	854.80	0	1.5	5	0.65	0.00	_____
106	A	66	x	60	-Y1- 23+00	1	W6x16	BA	N/A	N/A	N/A	13.00	0.00	5.00	9.17	3.0	0.00	0.00	0.00	-2.17	12.00	15.00	0.00	0.00	0.00	287.00	0	1.5	3.5	0.23	0.00	_____
107	A	78	x	60	-Y1- 20+00	1	W6x16	BA	N/A	N/A	N/A	12.00	0.00	5.00	8.28	3.0	0.00	0.00	0.00	-1.28	12.00	15.00	0.00	0.00	0.00	287.00	0	1.5	3.5	0.23	0.00	_____
201	A	78	x	60	-L- 247+05	1	W6x16	BA	N/A	N/A	N/A	Δ	0.00	5.00	7.00	3.0	0.00	0.00	0.00	0.50	12.50	15.50	0.00	0.00	0.00	295.00	0	1.5	3.5	0.23	0.00	_____
202	A	78	x	60	-L- 263+85	1	W6x16	BA	N/A	N/A	N/A	Δ	0.00	5.00	7.00	3.0	0.00	0.00	0.00	0.50	12.50	15.50	0.00	0.00	0.00	295.00	0	1.5	3.5	0.23	0.00	_____
901	A	90	x	84	-Y1RPA 16+50	2	W6x9	BA	N/A	N/A	N/A	18.00	4.40	7.00	7.00	3.0	1.63	15.63	18.63	0.00	0.00	0.00	2.36	16.36	19.36	405.91	0	1.5	3.5	0.46	0.00	_____
902	A	90	x	72	-Y1RPA- 18+00	2	S4x7.7	BA	N/A	N/A	N/A	12.00	4.40	6.00	7.00	3.0	1.63	14.63	17.63	0.00	0.00	0.00	0.51	13.51	16.51	302.88	0	1.0	3.5	0.00	0.20	_____
													TOTAL			TOTAL			TOTAL				TOTAL									
													3183.42			1533.26			3.60				0.58									
													USE:			3184.00			1534.00				4.00		1.00							

WOOD SUPPORT CHART

Version: 3.2 Posted: 7/5/2023

NUMBER	SIGN TYPE	SIGN SIZE (in.)			ROADWAY STATION	NUMBER OF SUPPORTS	BEAM SECTION	SUPPORT TYPE BA or S	ATTACHMENT METHOD	MOUNTING METHOD	HORIZONTAL CLEARANCE* (ft.)	SUPPORT SPACING	LENGTH (ft)			LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			WOOD SUPPORT (LF)	FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)																			
		w	x	h									SNS HT "H"	MTG HT "C"	EMBED-MENT	S	L	LENGTH	S	L	LENGTH	S	L	LENGTH																					
108	A	96	x	60	-L- 235+00	2	6in x 6in	S	N/A	N/A	18.00	4.69	5.00	7.00	5.25	2.01	14.01	19.26	0.00	0.00	0.00	4.35	16.35	21.60	40.86	_____																			
109	A	96	x	60	-L- 280+00	2	6in x 6in	S	N/A	N/A	18.00	4.69	5.00	7.00	5.25	2.96	14.96	20.21	0.00	0.00	0.00	4.75	16.75	22.00	42.21	_____																			
																						TOTAL		83.07																					
																						USE:		84.00																					

NOTES

- 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.

TYPE 'A' & 'B' GROUND MOUNTED SIGNS

\$\$\$SYTIME\$\$\$
 \$\$\$DGN\$\$\$
 \$\$\$USERNAME\$\$\$

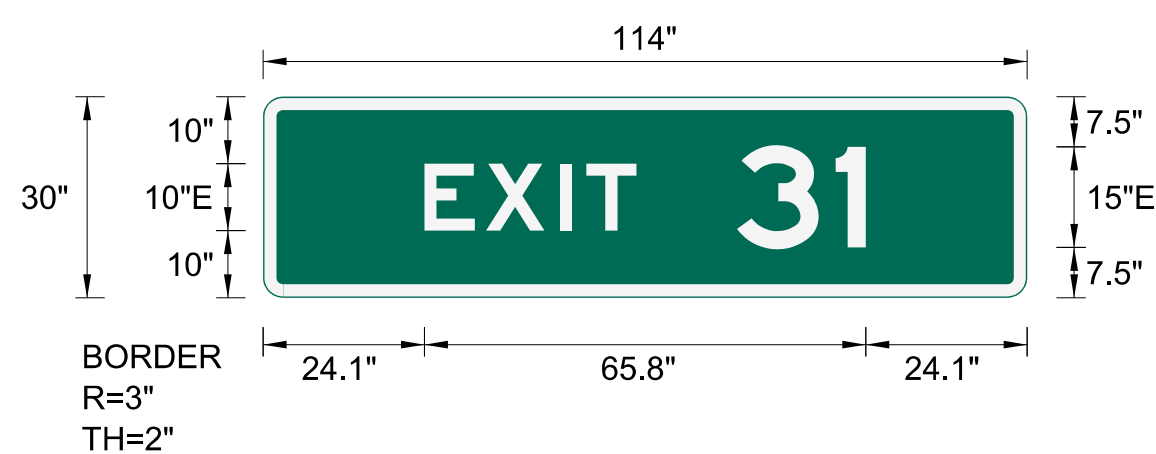
SIGN NUMBER: 101A,105A
 TYPE: B
 QUANTITY: 2
 SIGN WIDTH: 114"
 HEIGHT: 30"
 TOTAL AREA: 23.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RADII: 3"
 WIDTH: 2"
 RECESS: 0"
 NO. Z BARS: 2
 LENGTH: 106.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2MM) ALUMINUM

DESIGN BY: RRH
 PROJECT ID: HB-0004
 CHECKED BY: R. MUNCEY
 DIV: 14
 DATE: Oct 02, 2023



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	E	X	I	T						Series/Size Text Length
24.1	9.2	11.1	3.8	7.5	58.3					E 2000 31.6
	3	1								E 2000 19.2
70.7	14.7	4.5	24.1							

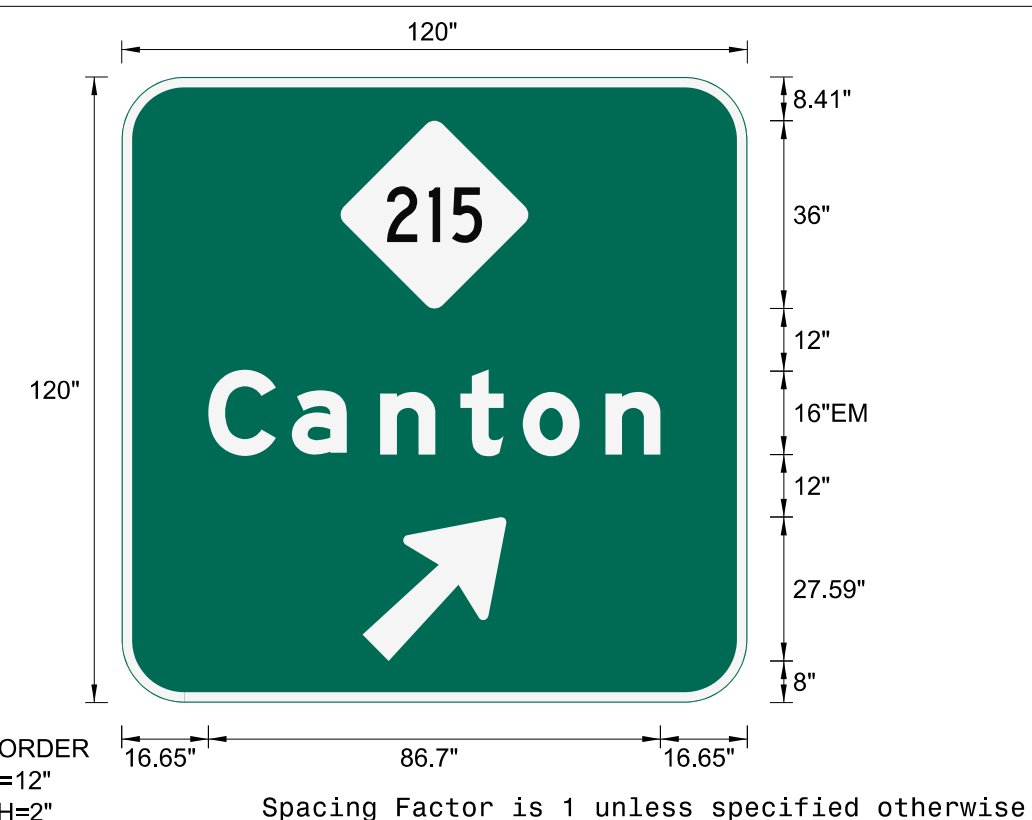
SIGN NUMBER: 101B,105B
 TYPE: A
 QUANTITY: 2
 SIGN WIDTH: 120"
 HEIGHT: 120"
 TOTAL AREA: 100.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RADII: 12"
 WIDTH: 2"
 RECESS: 0"
 NO. Z BARS: 3
 LENGTH: 112.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1-5-3-48-14C	42	75.6	36	36
AR_Type A	46.2	8	22.3	35

MAT'L: 0.125" (3.2MM) ALUMINUM

DESIGN BY: RRH
 PROJECT ID: HB-0004
 CHECKED BY: R. MUNCEY
 DIV: 14
 DATE: Oct 02, 2023



USE NOTES
 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.
 3. Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

	C	a	n	t	o	n					Series/Size Text Length
16.6	16	17	15.4	12	15.8	10.6	16.6				EM 2000 86.7

TIP NO.: HB-0004
 SHEET NO.: SIGN-3

APPROVED: *Regina M. Muncey*
 SEAL 43239
 DATE: 4/8/2024

SEAL

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

SIGN NUMBER: 102,103
 TYPE: B
 QUANTITY: 2
 SIGN WIDTH: 90"
 HEIGHT: 48"
 TOTAL AREA: 30.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RADII: 6"
 WIDTH: 1"
 RECESS: 0"
 NO. Z BARS: 2
 LENGTH: 82.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2MM) ALUMINUM

DESIGN BY: RRH
 PROJECT ID: HB-0004
 CHECKED BY: R. MUNCEY
 DIV: 14
 DATE: Oct 02, 2023



USE NOTES
 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.

LETTER POSITIONS

Letter spacings are to start of next letter

	T	r	o	o	p	e	r					Series/Size Text Length			
26.8	6	3.7	5.8	6.2	5.8	5.8	3	26.8				D 2000 36.3			
7	6.6	5.8	5.4	10	4.7	8	6.6	2.5	6.1	5.5	3.8	6.2	4.7	7	D 2000 76
30	6.6	4	2.6	6.1	6.1	4.7	30								D 2000 30.1

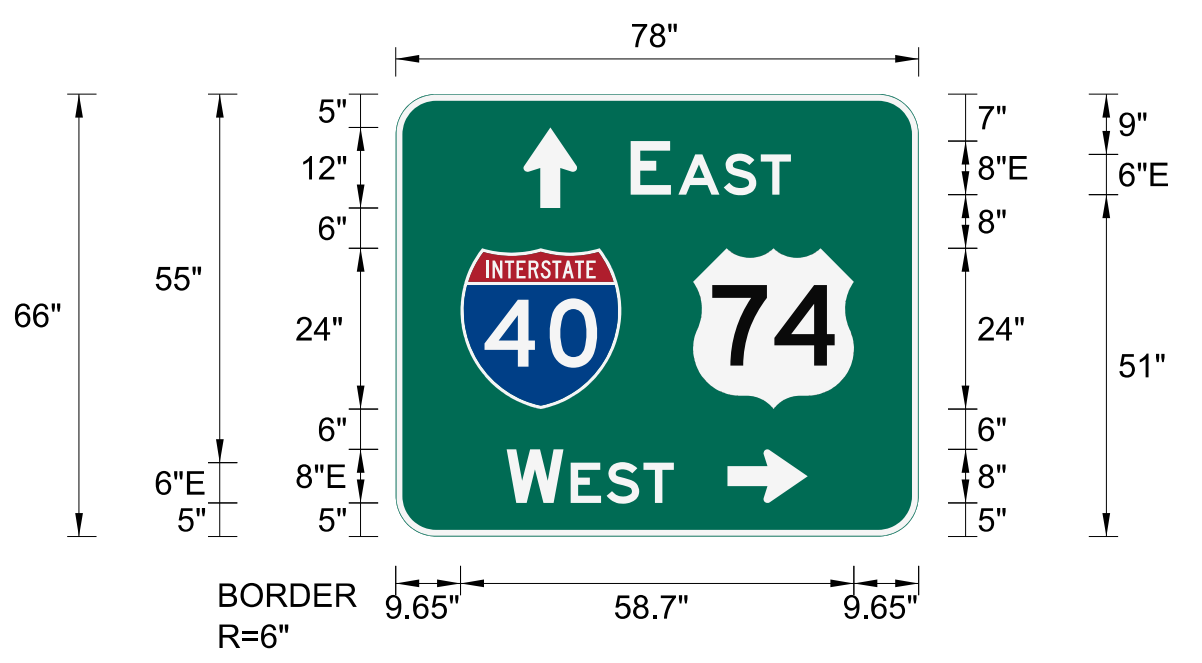
SIGN NUMBER: 104
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 78"
 HEIGHT: 66"
 TOTAL AREA: 35.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RADII: 6"
 WIDTH: 1"
 RECESS: 0"
 NO. Z BARS: 2
 LENGTH: 70.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	19.1	49	8	12
M1_1	9.7	19	24	24
M1_4	44.4	19	24	24
AR_Type D	49.5	5	8	12

MAT'L: 0.125" (3.2MM) ALUMINUM

DESIGN BY: RRH
 PROJECT ID: HB-0004
 CHECKED BY: R. MUNCEY
 DIV: 14
 DATE: Oct 02, 2023



USE NOTES
 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.

LETTER POSITIONS

Letter spacings are to start of next letter

	E	A	S	T							Series/Size Text Length
35.1	6	1.1	6.8	5.5	4.5	19					E 2000 23.9
16.5	8.5	1.1	5.3	5.5	4.5	36.5					E 2000 24.9

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DGN\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$

TYPE 'A' & 'B'
GROUND MOUNTED SIGNS

SIGN NUMBER: 106
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 66"
 HEIGHT: 60"
 TOTAL AREA: 27.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RADII: 3"
 WIDTH: 1"
 RECESS: 0"
 NO. Z BARS: 2
 LENGTH: 58.0

BACKG COLOR: Green / Green
 COPY COLOR: White/Black

SYMBOL	X	Y	WID	HT
AR_Type D	11.6	42.3	8	12

MAT'L: 0.125" (3.2MM) ALUMINUM

DESIGN BY: RRH CHECKED BY: R. MUNCEY DATE: Dec 07, 2023
 PROJECT ID: HB-0004 DIV: 14



USE NOTES

- Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.
- Yellow Panel shall be Grade C sheeting with direct applied black non-reflective sheeting for legend. RADII: 1.5"

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size Text Length
C	l	y	d	e								D 2000
27.6	7	2.2	6.6	6.1	4.7	11.6						26.7
A	s	h	e	v	i	l	l	e				D 2000
11.5	7.4	4.8	5.9	5.2	6.6	2.9	2.9	2.6	4.7	11.5		43
R	I	G	H	T		L	A	N	E			E 2000
10.4	5	2	5.2	4.9	3.8	5	4.2	5.9	5.4	3.8	10.4	45.2

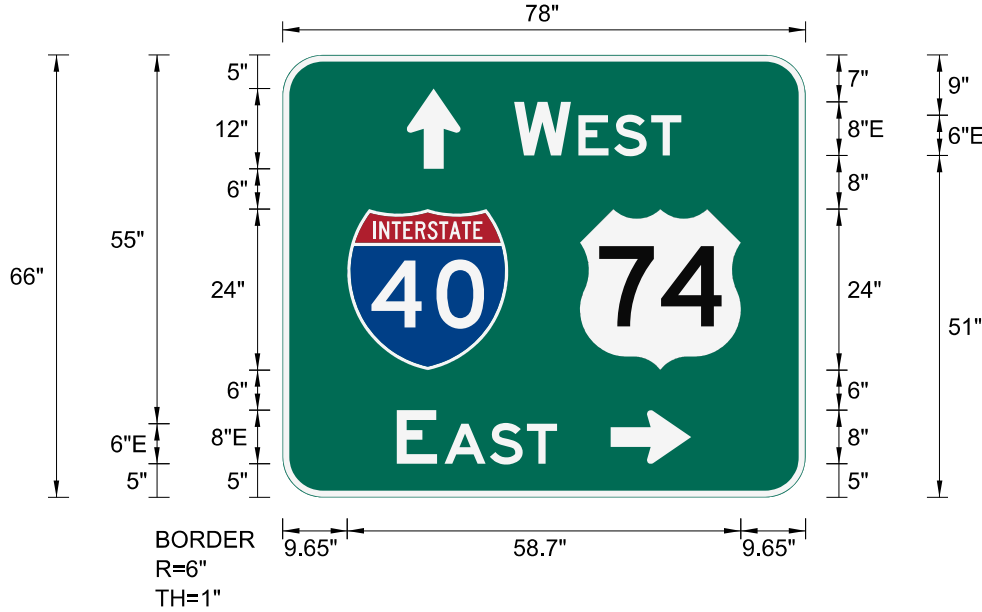
SIGN NUMBER: 107
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 78"
 HEIGHT: 66"
 TOTAL AREA: 35.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RADII: 6"
 WIDTH: 1"
 RECESS: 0"
 NO. Z BARS: 2
 LENGTH: 70.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	18.5	49	8	12
M1_1	9.7	19	24	24
M1_4	44.3	19	24	24
AR_Type D	48.9	5	8	12

MAT'L: 0.125" (3.2MM) ALUMINUM

DESIGN BY: RRH CHECKED BY: R. MUNCEY DATE: Dec 07, 2023
 PROJECT ID: HB-0004 DIV: 14



USE NOTES

- Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size Text Length
W	E	S	T									E 2000
34.5	8.5	1.1	5.3	5.5	4.5	18.5						24.9
E	A	S	T									E 2000
17	6	1.1	6.8	5.5	4.5	37.1						23.9

TIP NO. HB-0004 SHEET NO. SIGN-3A

APPROVED: *Regina M. Muncey*
REGISTERED PROFESSIONAL ENGINEER

DATE: 4/8/2024

SEAL

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Stantec

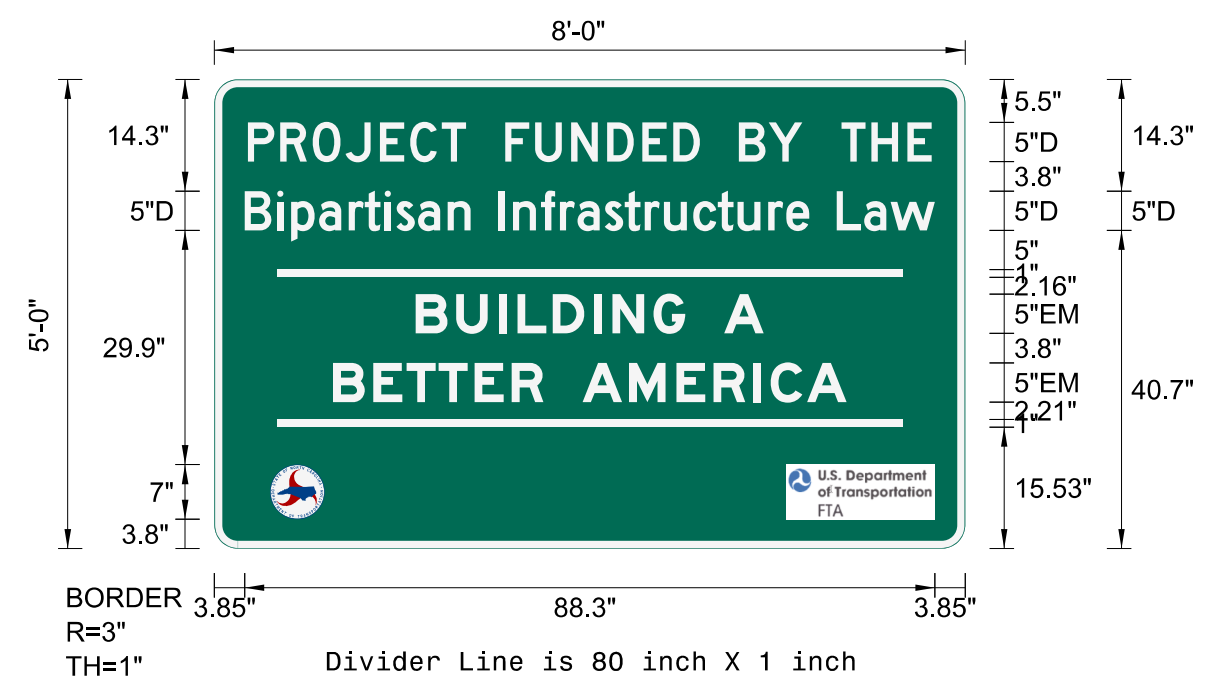
SIGN NUMBER: 108,109
 TYPE: A
 QUANTITY: 2
 SIGN WIDTH: 96"
 HEIGHT: 60"
 TOTAL AREA: 40.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RADII: 3"
 WIDTH: 1"
 RECESS: 0"
 NO. Z BARS: 2
 LENGTH: 88.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
Triskelion	7.1	3.75	7	7
USDOT LOGO	73.15	3.75	19	7

MAT'L: 0.125" (3.2MM) ALUMINUM

DESIGN BY: RRH CHECKED BY: R. MUNCEY DATE: May 09, 2023
 PROJECT ID: HB-0004 DIV: 14



USE NOTES

- Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter																		Series/Size Text Length													
P	R	O	J	E	C	T		F	U	N	D	E	D		B	Y	T	H	E		D 2000										
4.3	4.1	4.2	4.2	4.4	3.8	4	3.1	5	3.9	4.6	4.6	4.5	4	3.4	5	3.8	4.3	5	3.8	4.6	3.1	4.3	87.5								
B	i	p	a	r	t	i	s	a	n		I	n	f	r	a	s	t	r	u	c	t	u	r	e		L	a	w	D 2000		
3.9	4.2	1.8	3.5	3.8	2	2.5	1.5	2.8	3.8	3	3.5	1.9	3.6	2.4	2.2	3.5	2.5	2.6	2.4	3.8	3.1	2.5	4	2.3	3	3.5	3.5	3.4	5.7	3.9	88.3
B	U	I	L	D	I	N	G	A																							EM 2000
25.7	5.1	5.5	2.4	4.5	5.3	2.4	5.3	4	5	5.1	25.7																			44.5	
B	E	T	T	E	R	A	M	E	R	I	C	A																		EM 2000	
15.2	5.2	4.2	4.1	4.6	4.8	4	5	6	6.1	4.7	5.1	2.2	4.6	5.1	15.2														65.7		

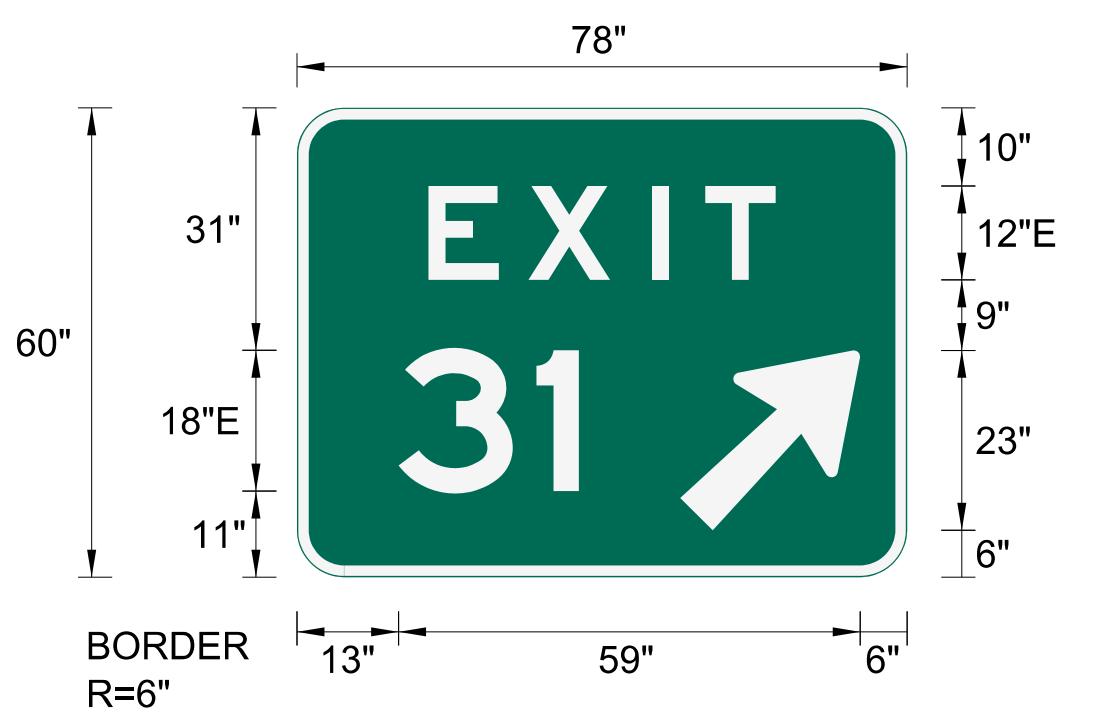
SIGN NUMBER: 201,202
 TYPE: A
 QUANTITY: 2
 SIGN WIDTH: 78"
 HEIGHT: 60"
 TOTAL AREA: 32.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RADII: 6"
 WIDTH: 1.5"
 RECESS: 0"
 NO. Z BARS: 2
 LENGTH: 70.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type A	49	6	18.3	29.3

MAT'L: 0.125" (3.2MM) ALUMINUM

DESIGN BY: RRH CHECKED BY: R. MUNCEY DATE: Oct 02, 2023
 PROJECT ID: HB-0004 DIV: 14



USE NOTES

- Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size Text Length
E	X	I	T									E 2000
16.8	12.8	15.8	6.8	9	16.8							44.4
												E 2000
												23

\$\$\$SYSTIME\$\$\$\$
 \$\$\$DGN\$\$\$\$
 \$\$\$USERNAME\$\$\$

TYPE 'A' & 'B'
 GROUND MOUNTED SIGNS

SIGN NUMBER: 301
 TYPE: D
 QUANTITY: 1
 SIGN WIDTH: 54"
 HEIGHT: 18"
 TOTAL AREA: 6.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RADII: 3"
 WIDTH: 0.75"
 RECESS: 0"
 NO. Z BARS:
 LENGTH:

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	37.8	6	6	9

MAT'L: 0.125" (3.2MM) ALUMINUM

DESIGN BY: RRH
 PROJECT ID: HB-0004

CHECKED BY: R. MUNCEY
 DIV: 14
 DATE: Oct 02, 2023

BORDER R=3" TH=0.75"
 MOUNT ON TWO U-POSTS

Spacing Factor is 1 unless specified otherwise

USE NOTES

- Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

	c	a	n	t	o	n		Series/Size Text Length
	7.2	5	4.6	4.1	2.8	4.6	3.5	D 2000 24.7

SIGN NUMBER: 302
 TYPE: D
 QUANTITY: 1
 SIGN WIDTH: 54"
 HEIGHT: 18"
 TOTAL AREA: 6.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RADII: 3"
 WIDTH: 0.75"
 RECESS: 0"
 NO. Z BARS:
 LENGTH:

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	7.2	6	6	9

MAT'L: 0.125" (3.2MM) ALUMINUM

DESIGN BY: RRH
 PROJECT ID: HB-0004

CHECKED BY: R. MUNCEY
 DIV: 14
 DATE: Oct 02, 2023

BORDER R=3" TH=0.75"
 MOUNT ON TWO U-POSTS

Spacing Factor is 1 unless specified otherwise

USE NOTES

- Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

	c	a	n	t	o	n		Series/Size Text Length
	22.2	5	4.6	4.1	2.8	4.6	3.5	D 2000 24.7

SIGN NUMBER: 303
 TYPE: D
 QUANTITY: 1
 SIGN WIDTH: 48"
 HEIGHT: 18"
 TOTAL AREA: 6.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RADII: 3"
 WIDTH: 0.75"
 RECESS: 0"
 NO. Z BARS:
 LENGTH:

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	6.5	6	6	9

MAT'L: 0.125" (3.2MM) ALUMINUM

DESIGN BY: RRH
 PROJECT ID: HB-0004

CHECKED BY: R. MUNCEY
 DIV: 14
 DATE: Oct 02, 2023

BORDER R=3" TH=0.75"
 MOUNT ON TWO U-POSTS

Spacing Factor is 1 unless specified otherwise

USE NOTES

- Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

	c	l	y	d	e		Series/Size Text Length
	21.5	5.3	1.7	5	4.6	3.5	D 2000 20

SIGN NUMBER: 304
 TYPE: D
 QUANTITY: 1
 SIGN WIDTH: 60"
 HEIGHT: 30"
 TOTAL AREA: 12.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RADII: 3"
 WIDTH: 0.75"
 RECESS: 0"
 NO. Z BARS:
 LENGTH:

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	7.9	17.1	6	9
AR_Type D	38.5	4.1	6	9

MAT'L: 0.125" (3.2MM) ALUMINUM

DESIGN BY: RRH
 PROJECT ID: HB-0004

CHECKED BY: R. MUNCEY
 DIV: 14
 DATE: Oct 02, 2023

BORDER R=3" TH=0.75"
 MOUNT ON TWO U-POSTS

Spacing Factor is 1 unless specified otherwise

USE NOTES

- Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

	A	s	h	e	v	i	l	l	e		Series/Size Text Length	
	19.9	5.5	3.6	4.4	3.9	5	2.2	2.2	1.9	3.5	7.9	D 2000 32.2
	c	l	y	d	e		Series/Size Text Length					
	12.5	5.3	1.7	5	4.6	3.5	27.5	D 2000 20				

TIP NO. SHEET NO.
 HB-0004 SIGN-3B

APPROVED: *Regina M. Muncey*
REGISTERED PROFESSIONAL ENGINEER

DATE: 4/8/2024

SEAL

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$\$\$\$DGN\$\$\$\$\$
 \$\$\$\$\$\$USERNAME\$\$\$\$\$

TYPE 'D' SIGNS

SIGN NUMBER: 305
 TYPE: D
 QUANTITY: 1

BACKG COLOR: Green / Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	11.7	17.1	6	9
AR_Type D	6.4	3.9	6	9

SIGN WIDTH: 60"
 HEIGHT: 30"
 TOTAL AREA: 12.5 Sq.Ft.

BORDER TYPE: FLUSH
 RADII: 3"
 WIDTH: 0.75"
 RECESS: 0"

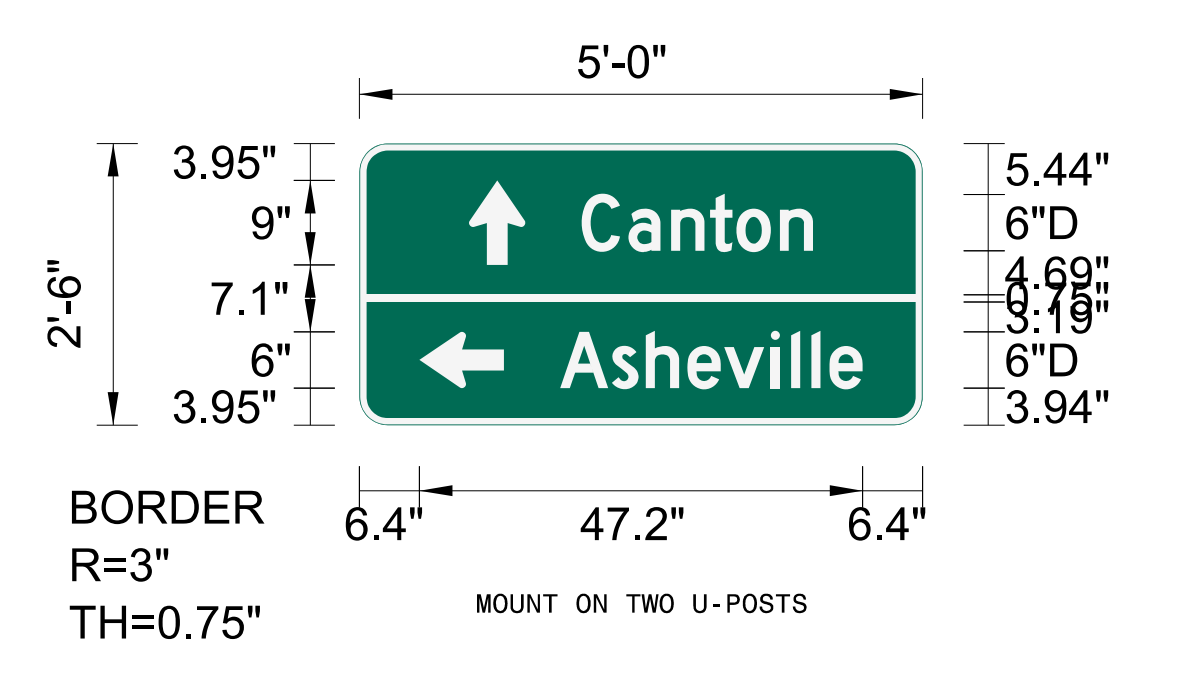
NO. Z BARS:
 LENGTH:

MAT'L: 0.125" (3.2MM) ALUMINUM

DESIGN BY: RRH
 PROJECT ID: HB-0004

CHECKED BY: R. MUNCEY
 DIV: 14

DATE: Nov 15, 2023



Spacing Factor is 1 unless specified otherwise

USE NOTES

- Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.
- Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

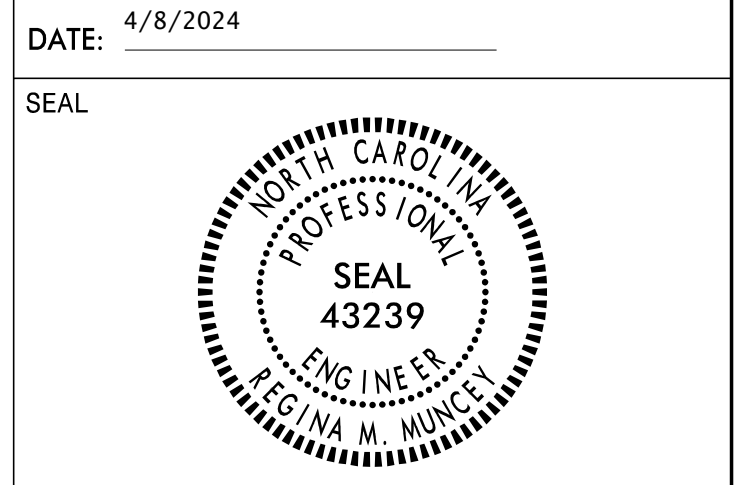
	c	a	n	t	o	n												Series/Size Text Length
23.7	5	4.6	4.1	2.8	4.6	3.5	11.7											D 2000 24.7
21.4	5.5	3.6	4.4	3.9	5	2.2	2.2	1.9	3.5	6.4								D 2000 32.2

TIP NO. HB-0004	SHEET NO. SIGN-3C
APPROVED: <i>Regina M. Muncey</i> C7FEE1B22454FA	
DATE: 4/8/2024	
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

\$\$\$SYTIME\$\$\$\$
 \$\$\$DGN\$\$\$\$
 \$\$\$USERNAME\$\$\$\$

TYPE 'D' SIGNS

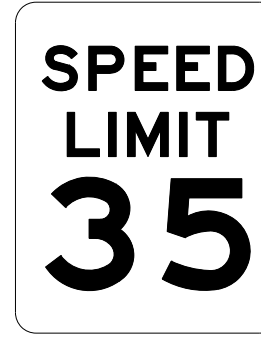
APPROVED: *Regina M. Muncy*
DATE: 4/8/2024



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED




401 QUANTITY REQ'D 1



24 X 30
R2-1

ONE "U" POST PER SIGN


406 QUANTITY REQ'D 4



36 X 36
R5-1

MOUNT BEHIND SIGN 405
IN 2 INSTALLATIONS
ONE "U" POST PER SIGN

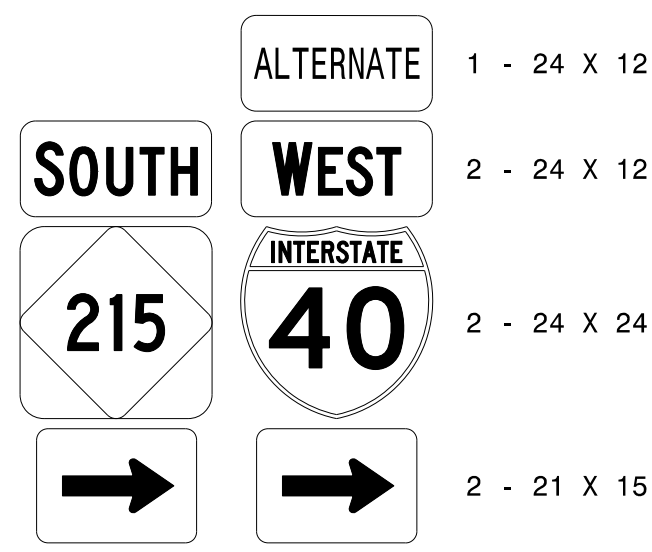
411 QUANTITY REQ'D 2



54 X 18
R6-1L

MOUNT BEHIND SIGN 410
IN 2 INSTALLATIONS

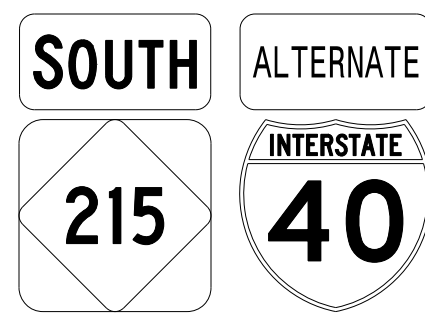
501



ALTERNATE 1 - 24 X 12
SOUTH WEST 2 - 24 X 12
215 40 2 - 24 X 24
2 - 21 X 15

MOUNT BELOW SIGN 301
IN 1 INSTALLATION


507



SOUTH ALTERNATE 2 - 24 X 12
215 40 2 - 24 X 24

TWO "U" POSTS PER SIGN


402 QUANTITY REQ'D 1



30 X 36
R2-1

ONE "U" POST PER SIGN

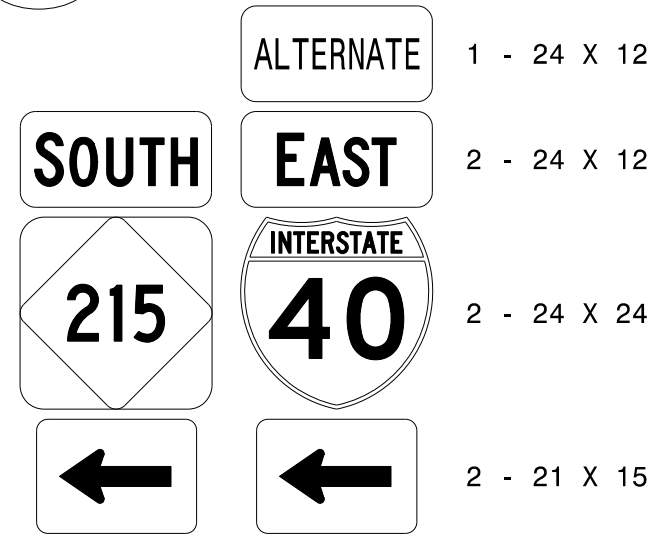
407 QUANTITY REQ'D 4



42 X 30
R5-1a

ONE "U" POST PER SIGN

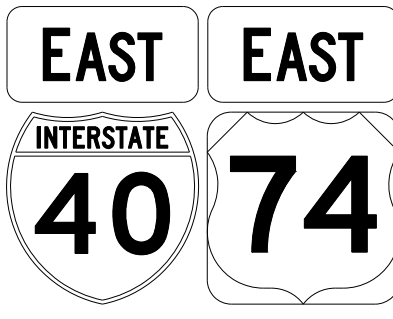
502



ALTERNATE 1 - 24 X 12
SOUTH EAST 2 - 24 X 12
215 40 2 - 24 X 24
2 - 21 X 15

MOUNT BELOW SIGN 302
IN 1 INSTALLATION


508



EAST EAST 2 - 36 X 18
40 74 2 - 36 X 36

TWO "U" POSTS PER SIGN

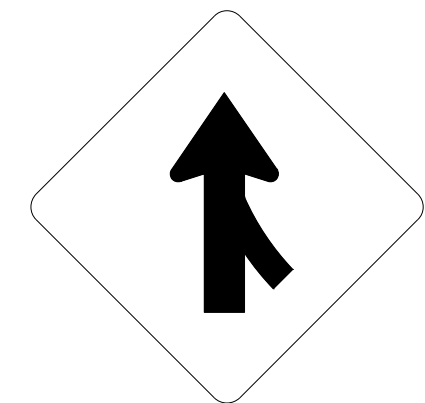
403 QUANTITY REQ'D 1



36 X 36
W3-5

ONE "U" POST PER SIGN

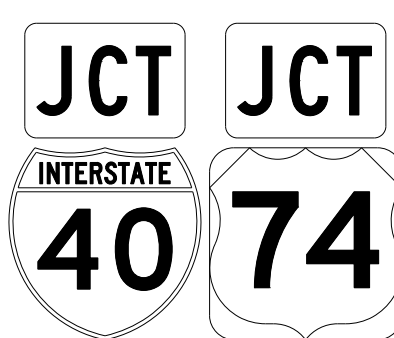
408 QUANTITY REQ'D 2



48 X 48
W4-1

TWO "U" POSTS PER SIGN


503 505



JCT JCT 2 - 21 X 15
40 74 2 - 24 X 24

TWO "U" POSTS PER SIGN


509



TRUCK WEST 1 - 36 X 18
64 1 - 36 X 36

ONE "U" POST PER SIGN


QUANTITY REQ'D 1



18 X 60

ONE "U" POST PER SIGN

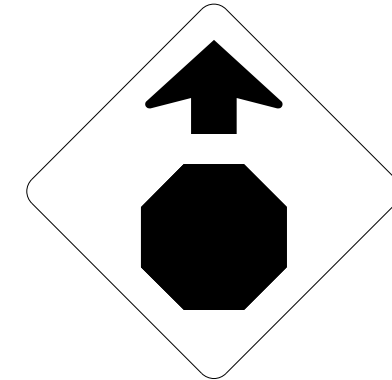
QUANTITY REQ'D 1



18 X 60

ONE "U" POST PER SIGN


404 QUANTITY REQ'D 2



36 X 36
W3-1

ONE "U" POST PER SIGN

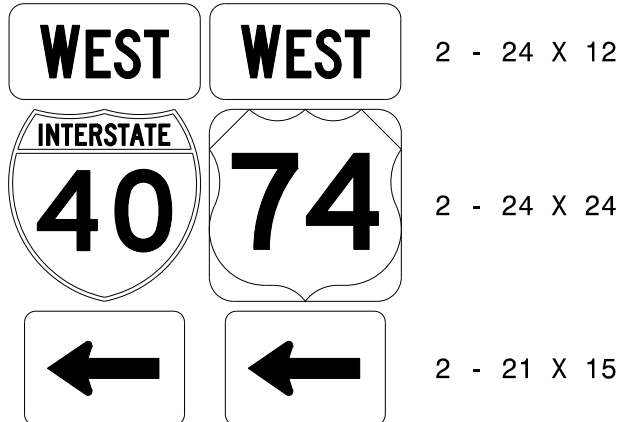
409 QUANTITY REQ'D 1



36 X 36
R3-7R

ONE "U" POST PER SIGN


504



WEST WEST 2 - 24 X 12
40 74 2 - 24 X 24
2 - 21 X 15

TWO "U" POSTS PER SIGN


510



END 1 - 24 X 12
215 1 - 24 X 24

ONE "U" POST PER SIGN


QUANTITY REQ'D 1



18 X 60

ONE "U" POST PER SIGN

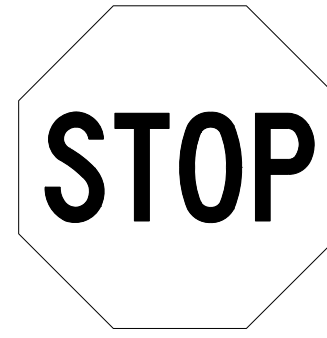
QUANTITY REQ'D 1



18 X 60

ONE "U" POST PER SIGN


405 QUANTITY REQ'D 4



36 X 36
R1-1

ONE "U" POST PER SIGN

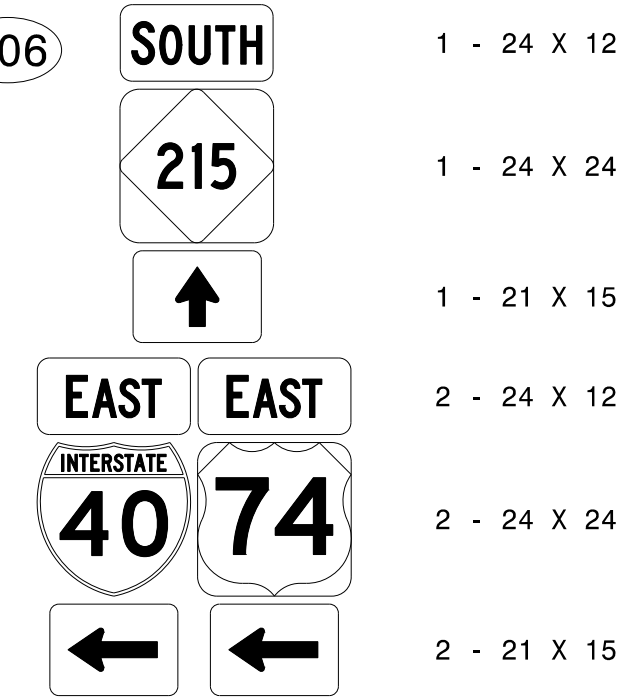
410 QUANTITY REQ'D 2



54 X 18
R6-1R

TWO "U" POSTS PER SIGN

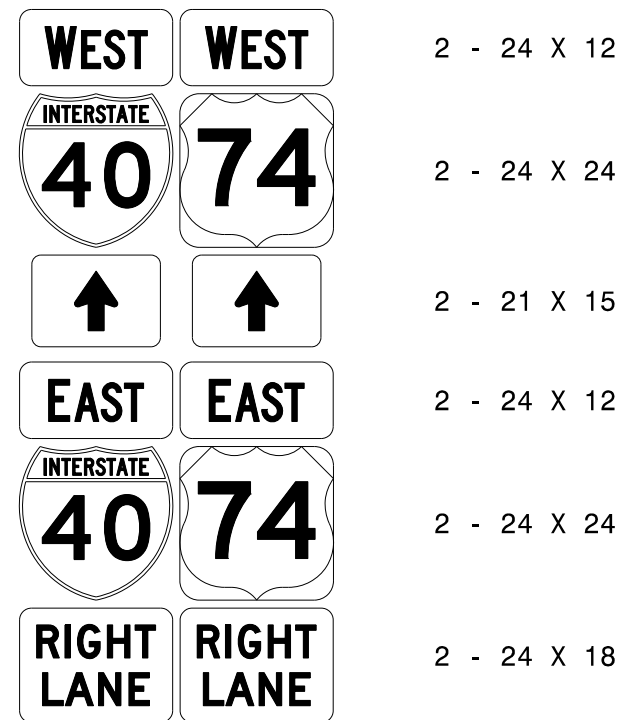
506



SOUTH 1 - 24 X 12
215 1 - 24 X 24
↑ 1 - 21 X 15
EAST EAST 2 - 24 X 12
40 74 2 - 24 X 24
2 - 21 X 15

TWO "U" POSTS PER SIGN

511



WEST WEST 2 - 24 X 12
40 74 2 - 24 X 24
↑ ↑ 2 - 21 X 15
EAST EAST 2 - 24 X 12
40 74 2 - 24 X 24
RIGHT LANE RIGHT LANE 2 - 24 X 18

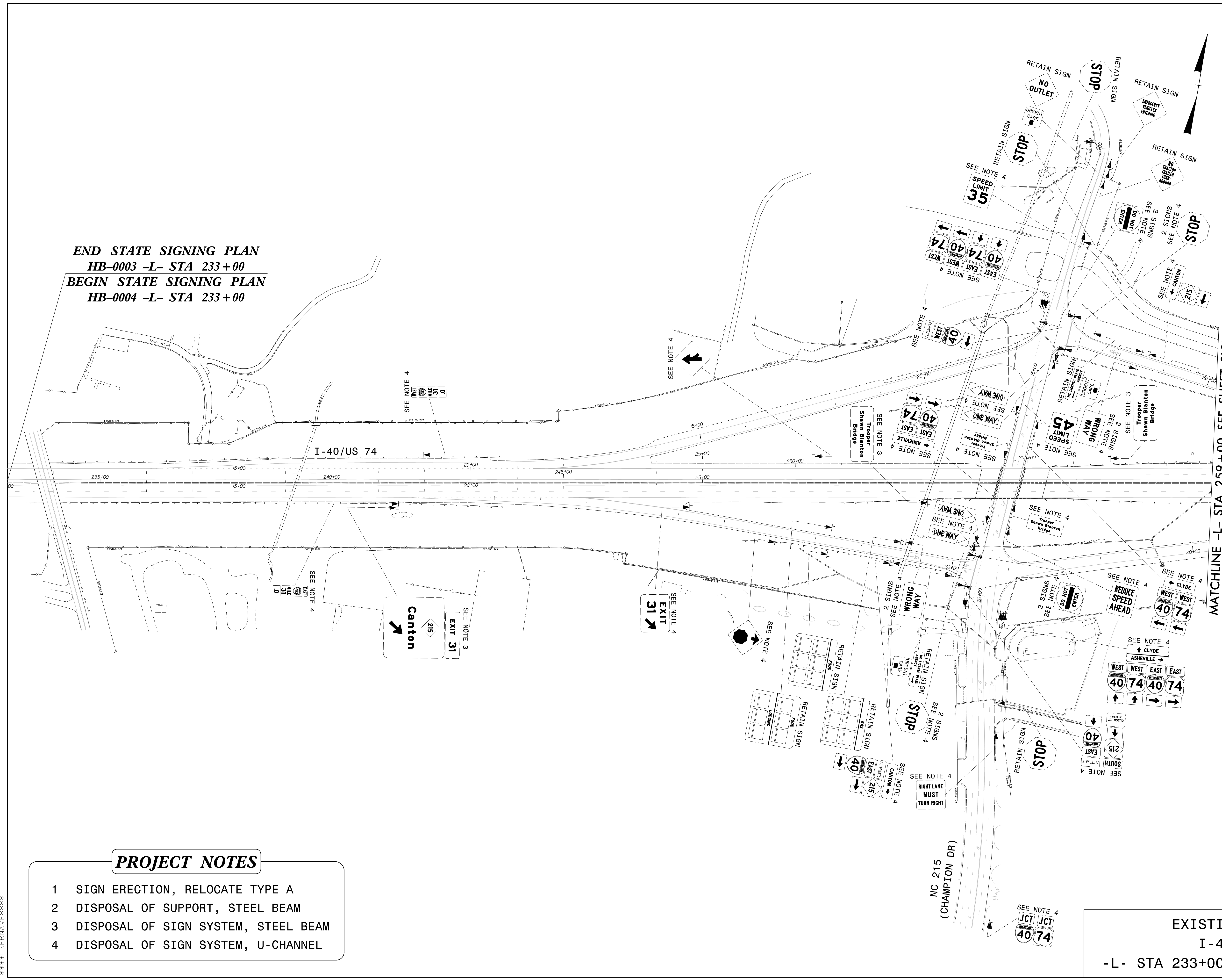
TWO "U" POSTS PER SIGN

TYPE 'E', 'F', & MILEMARKER SIGNS

\$\$\$\$\$SYSTEMTIME\$\$\$\$\$
\$\$\$\$\$USERID\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$



END STATE SIGNING PLAN
HB-0003 -L- STA 233+00
BEGIN STATE SIGNING PLAN
HB-0004 -L- STA 233+00



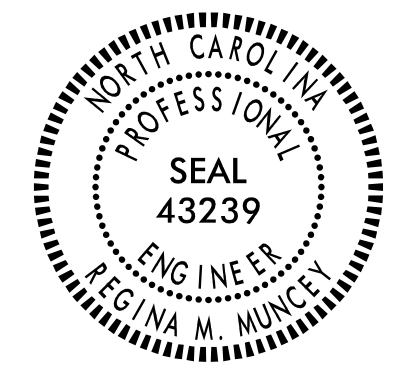

MATCHLINE -L- STA 259+00 SEE SHEET SIGN-6

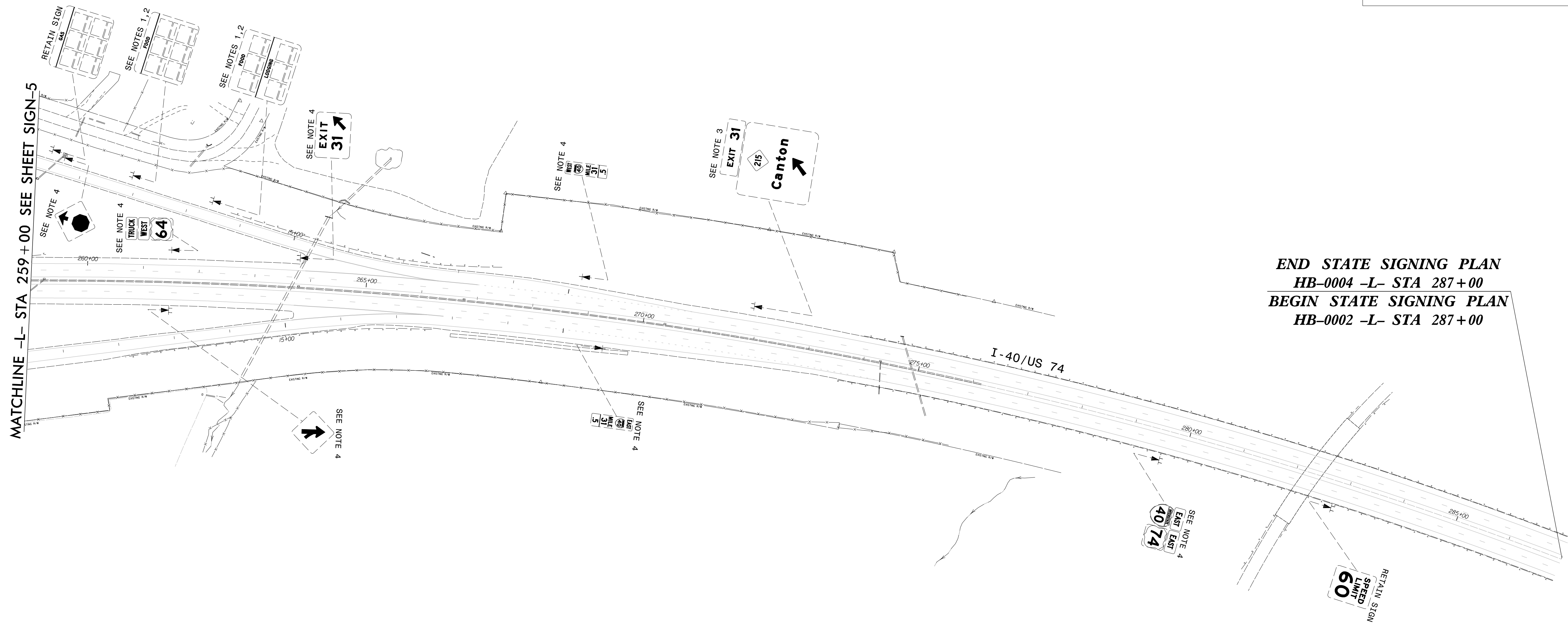
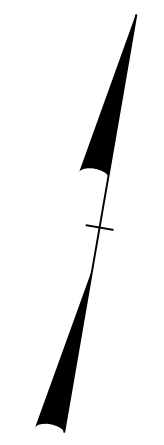
PROJECT NOTES

- 1 SIGN ERECTION, RELOCATE TYPE A
- 2 DISPOSAL OF SUPPORT, STEEL BEAM
- 3 DISPOSAL OF SIGN SYSTEM, STEEL BEAM
- 4 DISPOSAL OF SIGN SYSTEM, U-CHANNEL

EXISTING SIGNING
 I-40/US 74
 -L- STA 233+00 TO -L- STA 259+00

\$\$\$SYTIME\$\$\$\$
 \$\$\$DGN\$\$\$\$
 \$\$\$USERNAME\$\$\$\$

TIP NO. HB-0004	SHEET NO. SIGN-6
APPROVED: <i>Regina M. Muncy</i> <small>REGISTERED PROFESSIONAL ENGINEER C7FEE18022454FA</small>	
DATE: 4/8/2024	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	



END STATE SIGNING PLAN
HB-0004 -L- STA 287+00
BEGIN STATE SIGNING PLAN
HB-0002 -L- STA 287+00

PROJECT NOTES

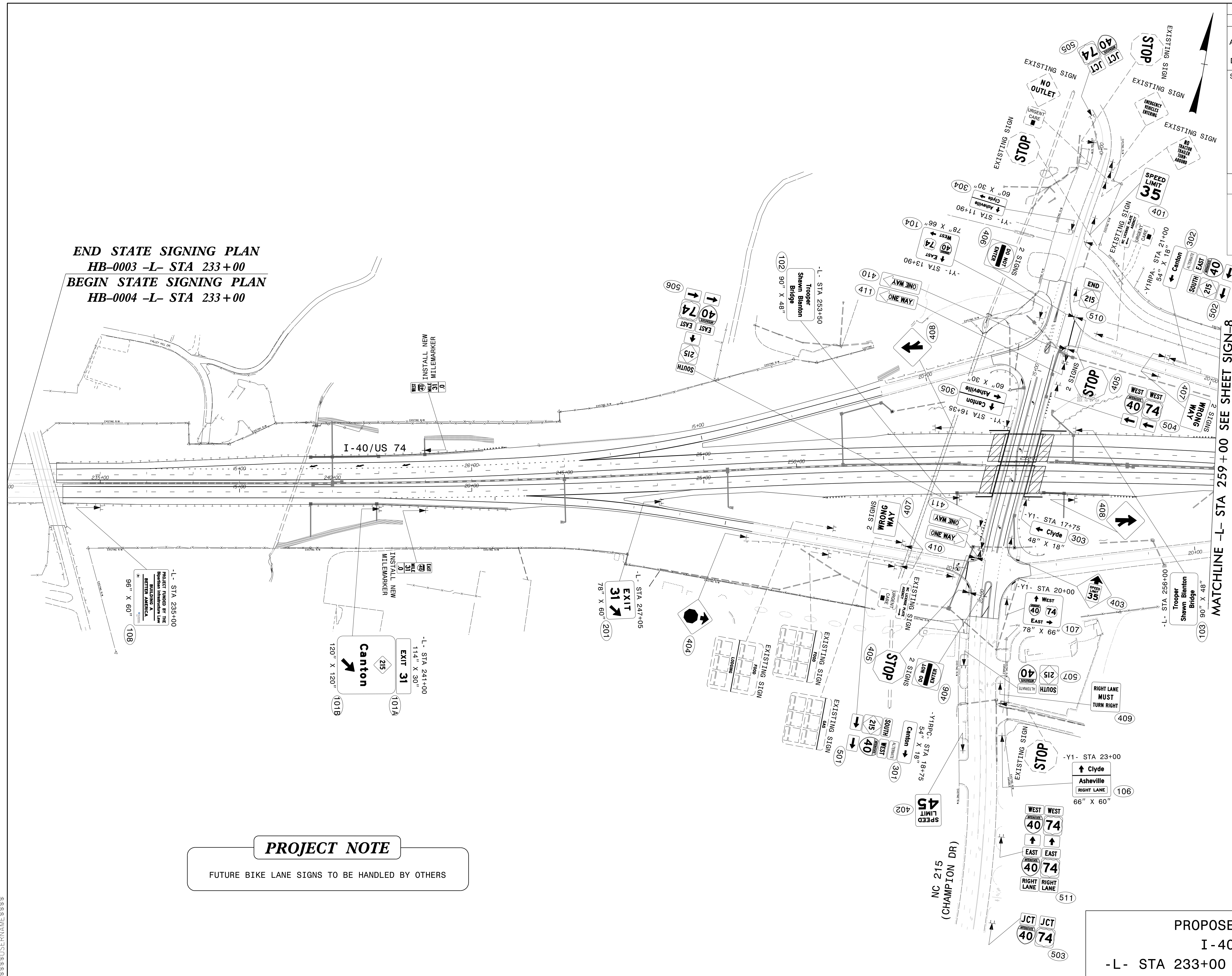
- 1 SIGN ERECTION, RELOCATE TYPE A
- 2 DISPOSAL OF SUPPORT, STEEL BEAM
- 3 DISPOSAL OF SIGN SYSTEM, STEEL BEAM
- 4 DISPOSAL OF SIGN SYSTEM, U-CHANNEL

EXISTING SIGNING
 I-40/US 74
 -L- STA 259+00 TO -L- STA 287+00

\$\$\$SYTIME\$\$\$\$
 \$\$\$DGN\$\$\$\$
 \$\$\$USERNAME\$\$\$\$



END STATE SIGNING PLAN
HB-0003 -L- STA 233+00
BEGIN STATE SIGNING PLAN
HB-0004 -L- STA 233+00



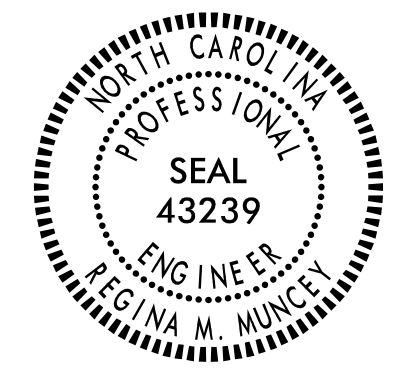

MATCHLINE -L- STA 259+00 SEE SHEET SIGN-8

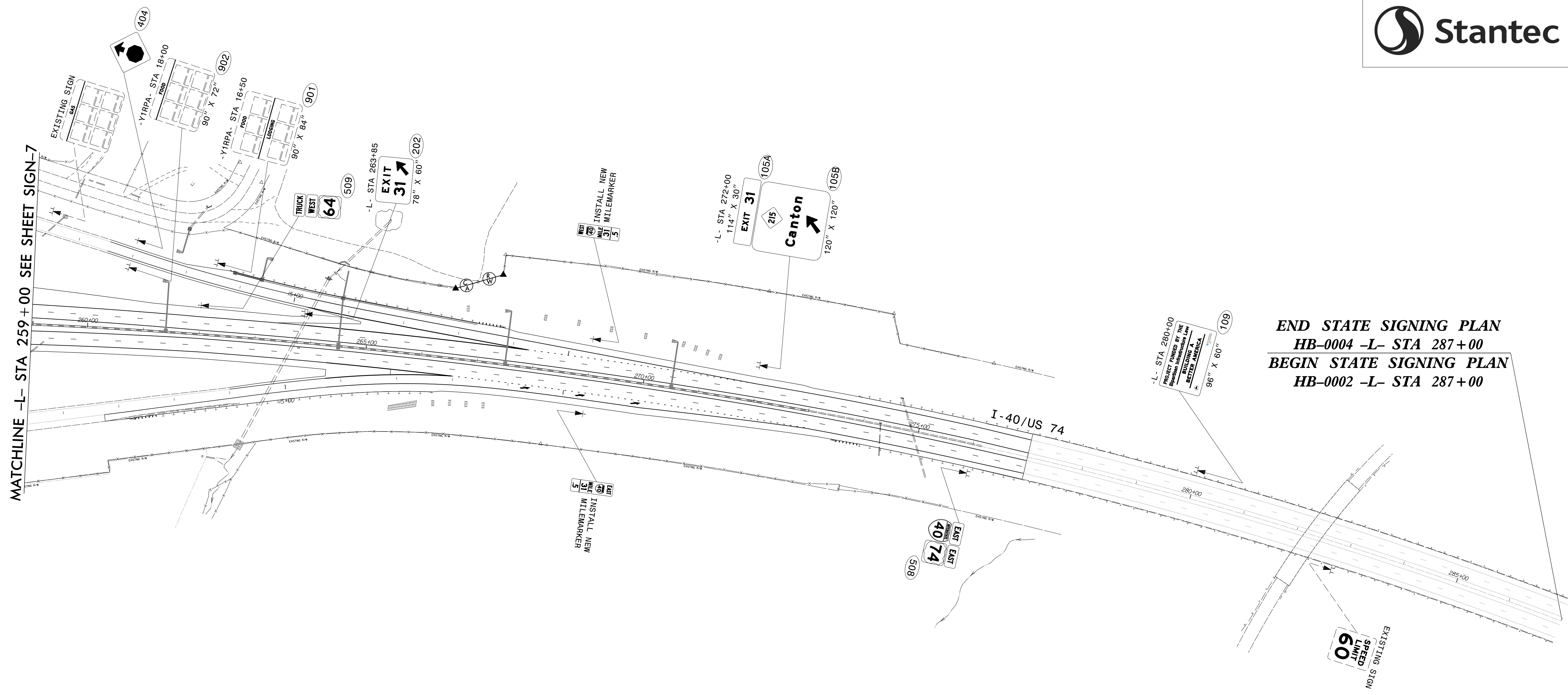
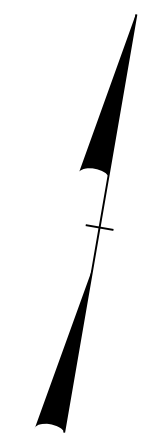
PROJECT NOTE

FUTURE BIKE LANE SIGNS TO BE HANDLED BY OTHERS

PROPOSED SIGNING
I-40/US 74
-L- STA 233+00 TO -L- STA 259+00

\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$DDGN\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$

TIP NO. HB-0004	SHEET NO. SIGN-8
APPROVED: <i>Regina M. Muncy</i> <small>REGISTERED PROFESSIONAL ENGINEER C7FEE18022454FA</small>	
DATE: 4/8/2024	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	



END STATE SIGNING PLAN
HB-0004 -L- STA 287+00
BEGIN STATE SIGNING PLAN
HB-0002 -L- STA 287+00

PROPOSED SIGNING
I-40/US 74
-L- STA 259+00 TO -L- STA 287+00

\$\$\$\$\$SYSTEMTIME\$\$\$\$\$
 \$\$\$DDMMYY\$\$\$\$\$
 \$\$\$DDGN\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$