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T.I.P.: B-5114

CONTRACT: C203589

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
RANDOLPH COUNTY**

**LOCATION: BRIDGE 136 OVER BUSINESS I-85 /US-29 /70
ON SR 1619 (PROSPECT ST) IN HIGH POINT**

TIP NO. B-5114	SHEET NO. SIGN-1
APPROVED: <u>Charles A. Johnson III</u> <small>2/24/2015</small>	
DATE: 2/24/2015	
	

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 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
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 - FOR TYPE A AND TYPE B SIGNS
903.10	GROUND MOUNTED SIGN SUPPORTS (EXCEPT 1 FOF 3 WHICH IS REPLACED WITH SIGN-2A AND 2 OF 3 WHICH IS REPLACED WITH SIGN-2B IN PLANS)
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.30	SUPPLEMENTAL SIGN MOUNTING
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

PAY ITEM NOTES

- 1 SIGN ERECTION, TYPE D, E AND F
- 2 SIGN ERECTION, TYPE A (GROUND MOUNTED)
- 3 SIGN ERECTION, TYPE B (GROUND MOUNTED)
- 4 DISPOSAL OF SIGN SYSTEM, STEEL BEAM
- 5 DISPOSAL OF SIGN SYSTEM, U-CHANNEL

GENERAL NOTES

- . SIGNS FURNISHED BY STATE.
- . ALL SIGNS SEE PAY ITEM NOTE 1 UNLESS OTHERWISE NOTED.
- . DO NOT DAMAGE EXISTING RAILWAY SIGNS AND/OR REMOVE EXISTING RAILWAY SIGNS OUTSIDE OF CONSTRUCTION LIMITS UNLESS OTHERWISE NOTED ON PLANS.
- . 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 WITHIN THE ROADWAY CONSTRUCTION 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' AND 'F' SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- . DO NOT BEGIN FABRICATION FOR TYPES 'A' & 'B' SIGNS MOUNTED ON STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

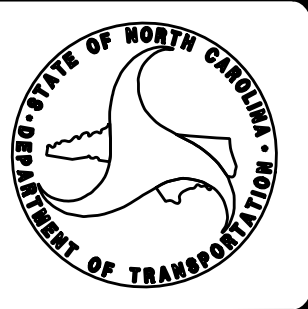
SUMMARY OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.		
4048000000	902	3	C.Y.
4054000000	902	1	C.Y.
4060000000	903	2446	LB.
4072000000	903	1609	L.F.
4096000000	904	7	EA.
4102000000	904	52	EA.
4108000000	904	10	EA.
4110000000	904	6	EA.
4110000000	904	2	EA.
4152000000	907	3	EA.
4155000000	907	50	EA.
4158000000	907	1	EA.


INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2-2B	SUPPORT INFORMATION
SIGN-3-3B	SIGN DESIGNS
SIGN-4-4A	TYPE E AND F SIGNS
SIGN-5-8	SIGNING PLAN SHEETS

CONTACTS: N.C.D.O.T. SIGNING AND DELINEATION UNIT	
RENEE ROACH, PE, CPM	SIGNING & DELINEATION REGIONAL ENGINEER
ADAM GRADY, EI	SIGNING & DELINEATION PROJECT DESIGN ENGINEER



PLAN PREPARED BY :	
HNTB	HNTB NORTH CAROLINA, P.C. 343 E. Six Forks Road, Suite 200 Raleigh, North Carolina 27609 NC License No: C-1554
C.A. JOHNSON, III, PE	SIGNING PROJECT ENGINEER
A.D. KLINKSIEK, PE, PTOE	SIGNING DESIGN ENGINEER
T.R. TERRELL	SIGNING DESIGN TECHNICIAN

TIP NO. B-5114	SHEET NO. SIGN-2
APPROVED: <i>Charles A. Johnson III</i> 2/24/2015	
DATE: 2/24/2015	
SEAL	
	

TYPE 'A' AND TYPE 'B' GROUND MOUNTED SIGNS

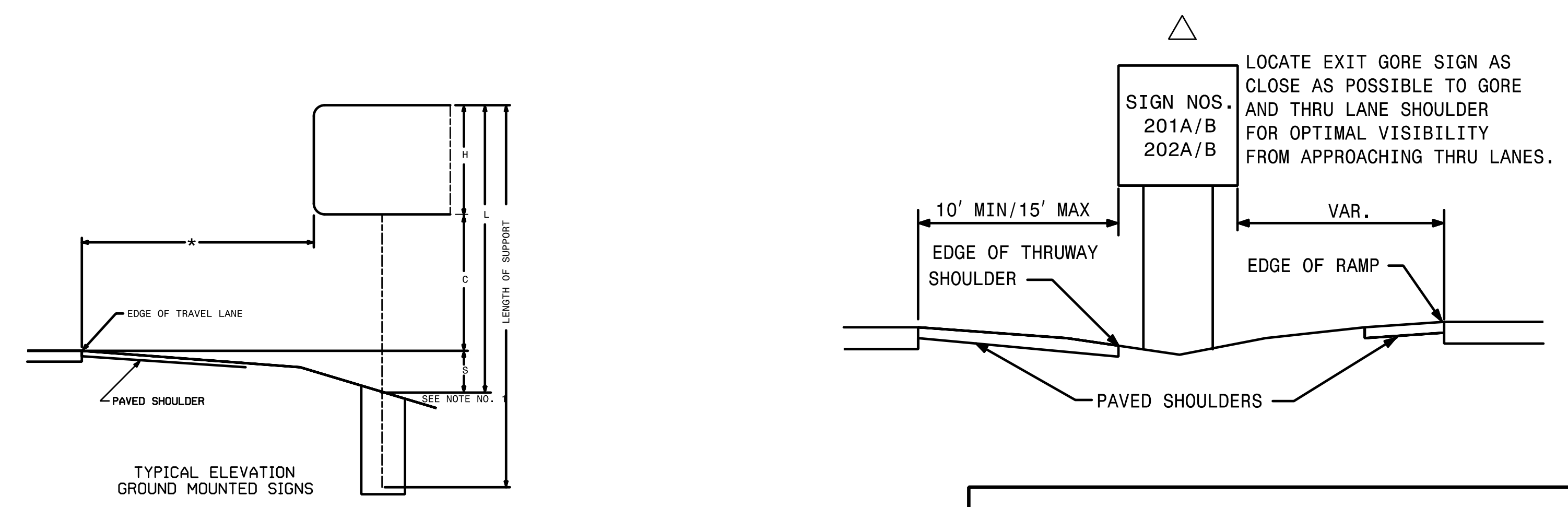
SIGN NO.	SIGN TYPE	SIGN SIZE (in.)			ROADWAY STATION	NO. OF SUP.	BEAM SECTION	SUPPORT TYPE	ATTACH METHOD	MOUNTING METHOD	HORIZ. CLR.* (ft.)	LENGTH (ft)			LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			FOOTING DIAMETER (ft.)	FOOTING DEPTH (ft.)	B/A SUPPORT WEIGHTS (lbs.)	SIMPLE SUPPORT WEIGHTS (lbs.)	REINF. FTGS. (c.y.)	PLAIN FTGS. (c.y.)	FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)
		w	x	h								SNS HT H	MTG HT C	EMBED MENT	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH							
101	A	180	X	78	-Y4- 10+50	2	W6x12	BA	N/A	N/A	25.00	6.50	7.00	5.5	4.95	18.45	23.95	0.00	0.00	0.00	7.79	21.29	26.79	1.5	6	686.88	0.00	0.79	0.00	
102	A	180	X	90	-Y4- 23+50	2	W6x9	BA	N/A	N/A	25.00	7.50	7.00	5	1.27	15.77	20.77	0.00	0.00	0.00	0.05	14.55	19.55	1.5	5.5	426.88	0.00	0.72	0.00	
103	A	180	X	78	BUS I-85 SB	2	W6x9	BA	N/A	N/A	32.00	6.50	10.00	5	-1.54	14.96	19.96	0.00	0.00	0.00	-3.00	13.50	18.50	1.5	5.5	410.14	0.00	0.72	0.00	
104	A	180	X	90	-Y4- 31+50	2	W6x9	BA	N/A	N/A	25.00	7.50	7.00	5	1.02	15.52	20.52	0.00	0.00	0.00	0.36	14.86	19.86	1.5	5.5	427.42	0.00	0.72	0.00	
201A	A	72	X	60	-Y4- 24+88 +/-	2	S3x5.7	BA	N/A	2	△	7.00	7.00	4	0.50	14.50	18.50	0.00	0.00	0.00	0.50	14.50	18.50	1	4.5	246.90	0.00	0.00	0.26	
201B	B	72	X	24																										
202A	A	72	X	60	-Y4- 30+03 +/-	2	S3x5.7	BA	N/A	2	△	7.00	7.00	4	0.50	14.50	18.50	0.00	0.00	0.00	0.50	14.50	18.50	1	4.5	246.90	0.00	0.00	0.26	
202B	B	72	X	24																										

TOTAL B/A SUPPORT WEIGHTS: 2445.12
 TOTAL SIMPLE SUPPORT WEIGHTS: 0.00
 TOTAL REINF. FTGS.: 2.95
 TOTAL PLAIN FTGS.: 0.52

USE: 2446 0 3 1

NOTES:

- DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF PAVEMENT.
- 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' AND TYPE 'B' GROUND MOUNTED SIGNS

APPROVED: *Ronald W. King*
066507AB677C4DC

DATE: 2/25/2015



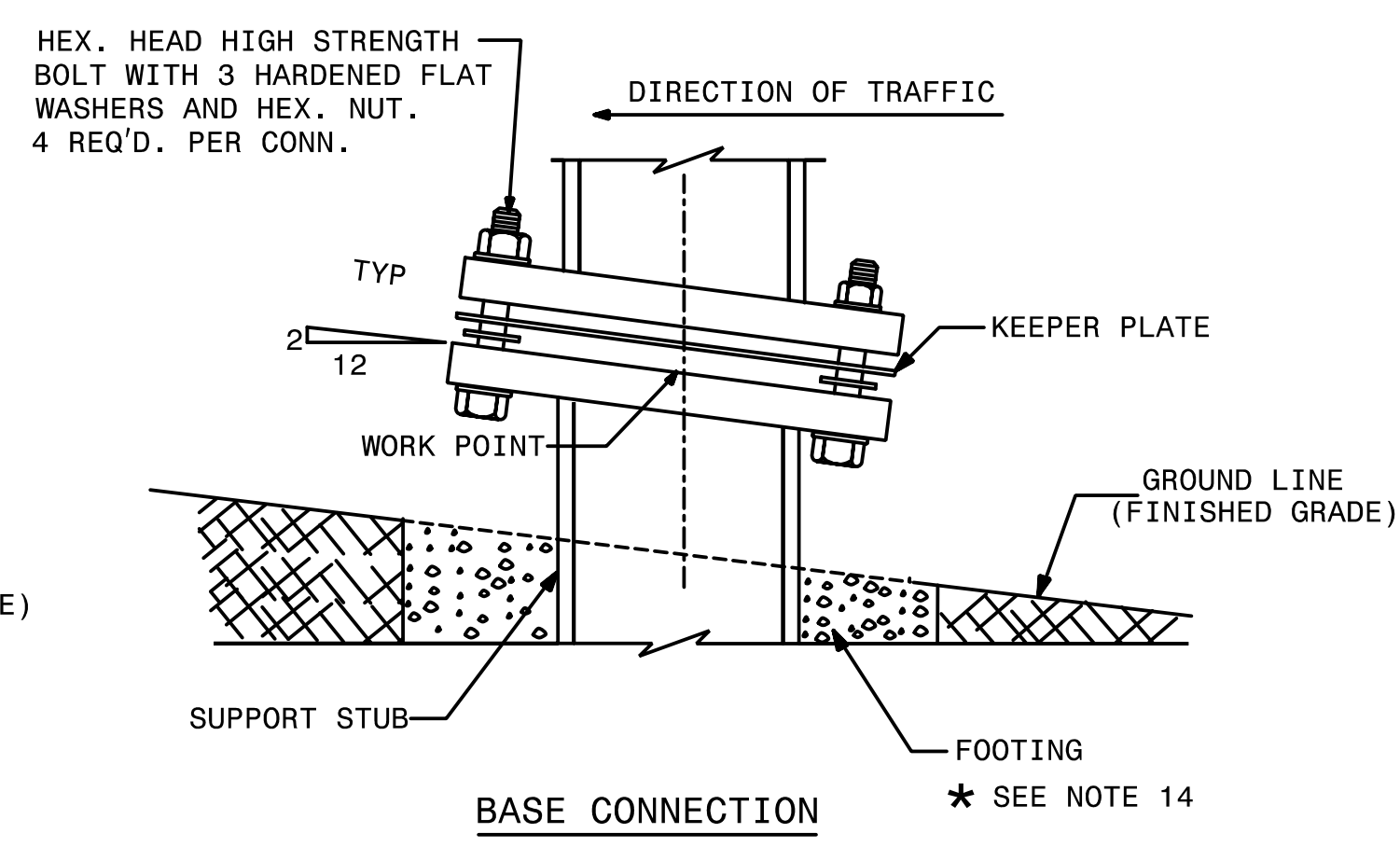
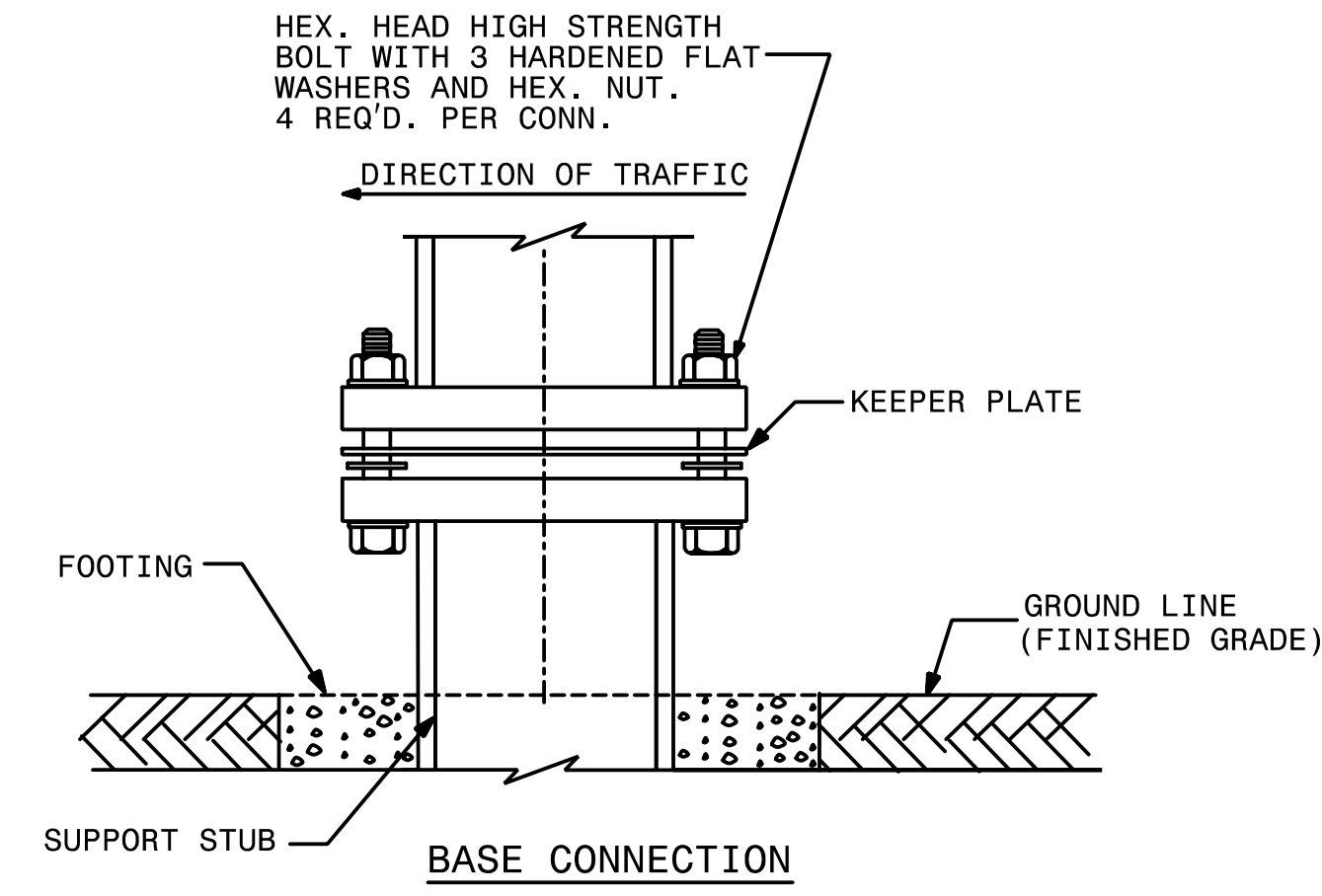
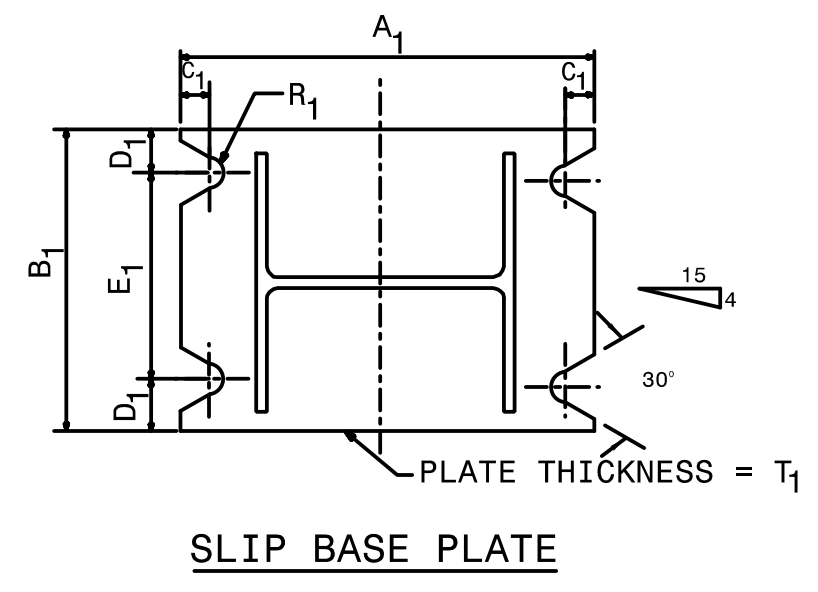
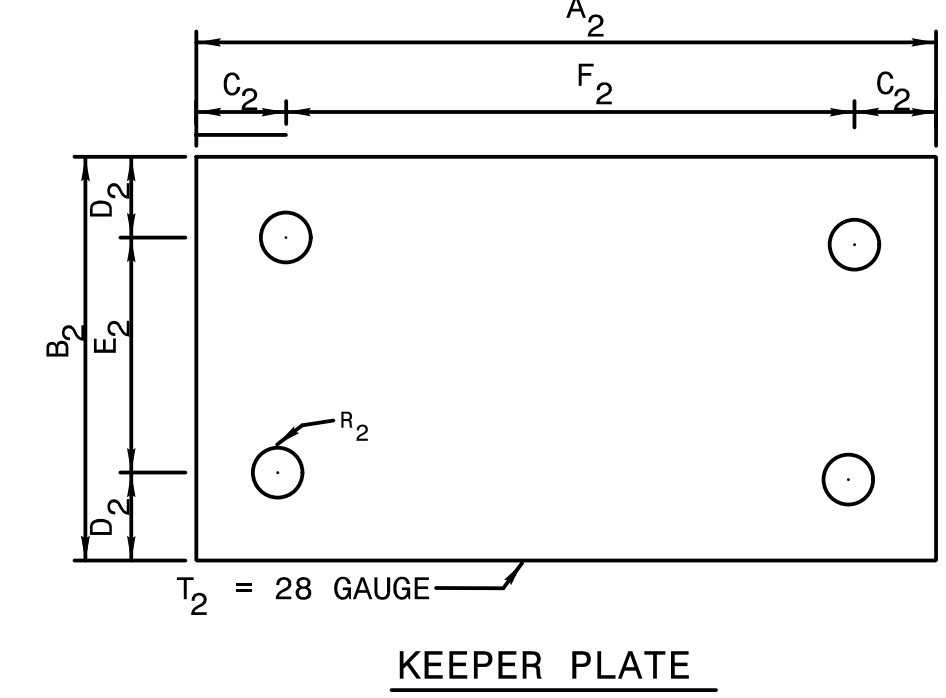
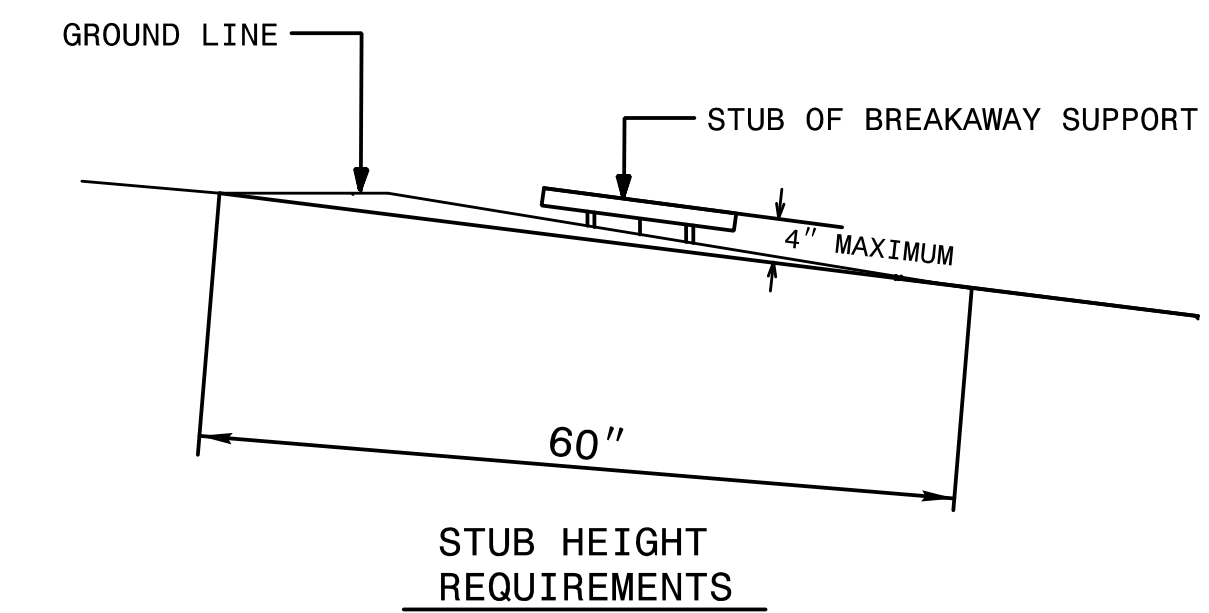
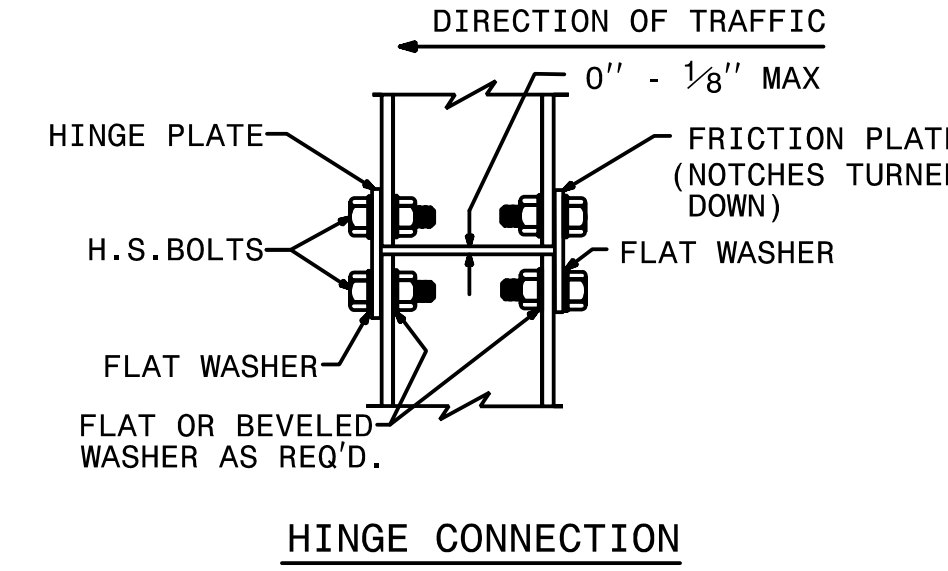
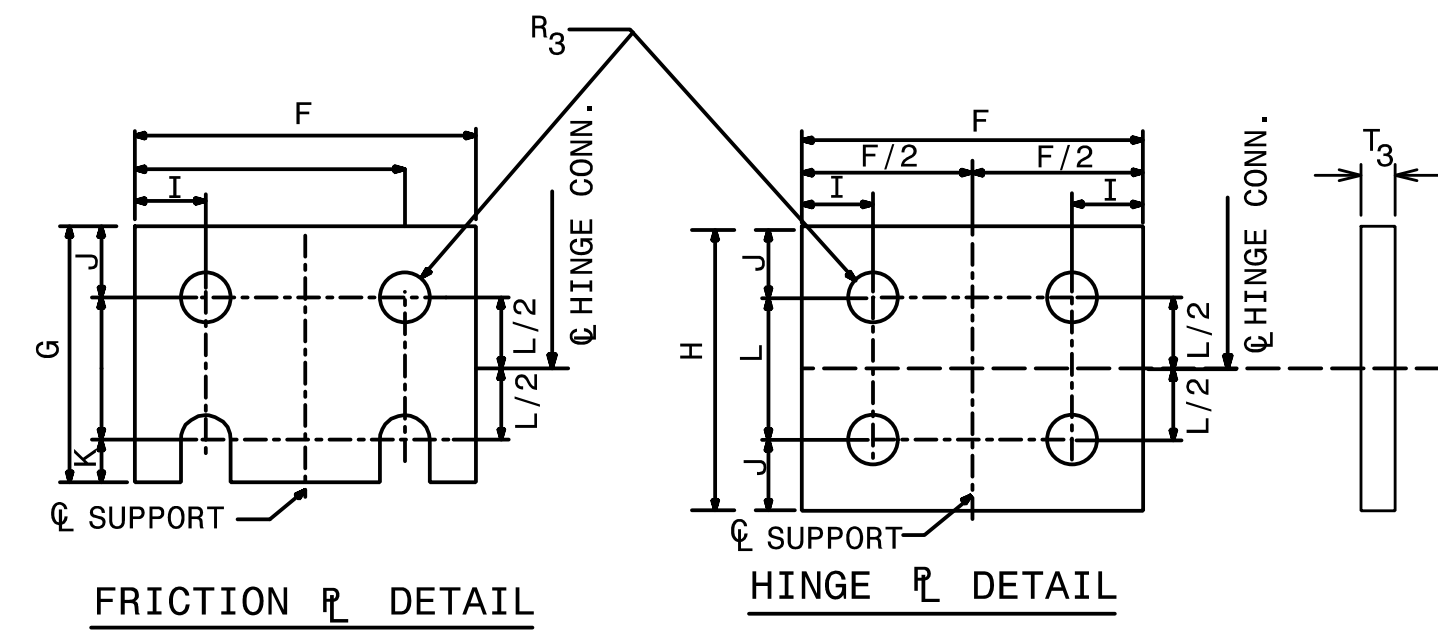
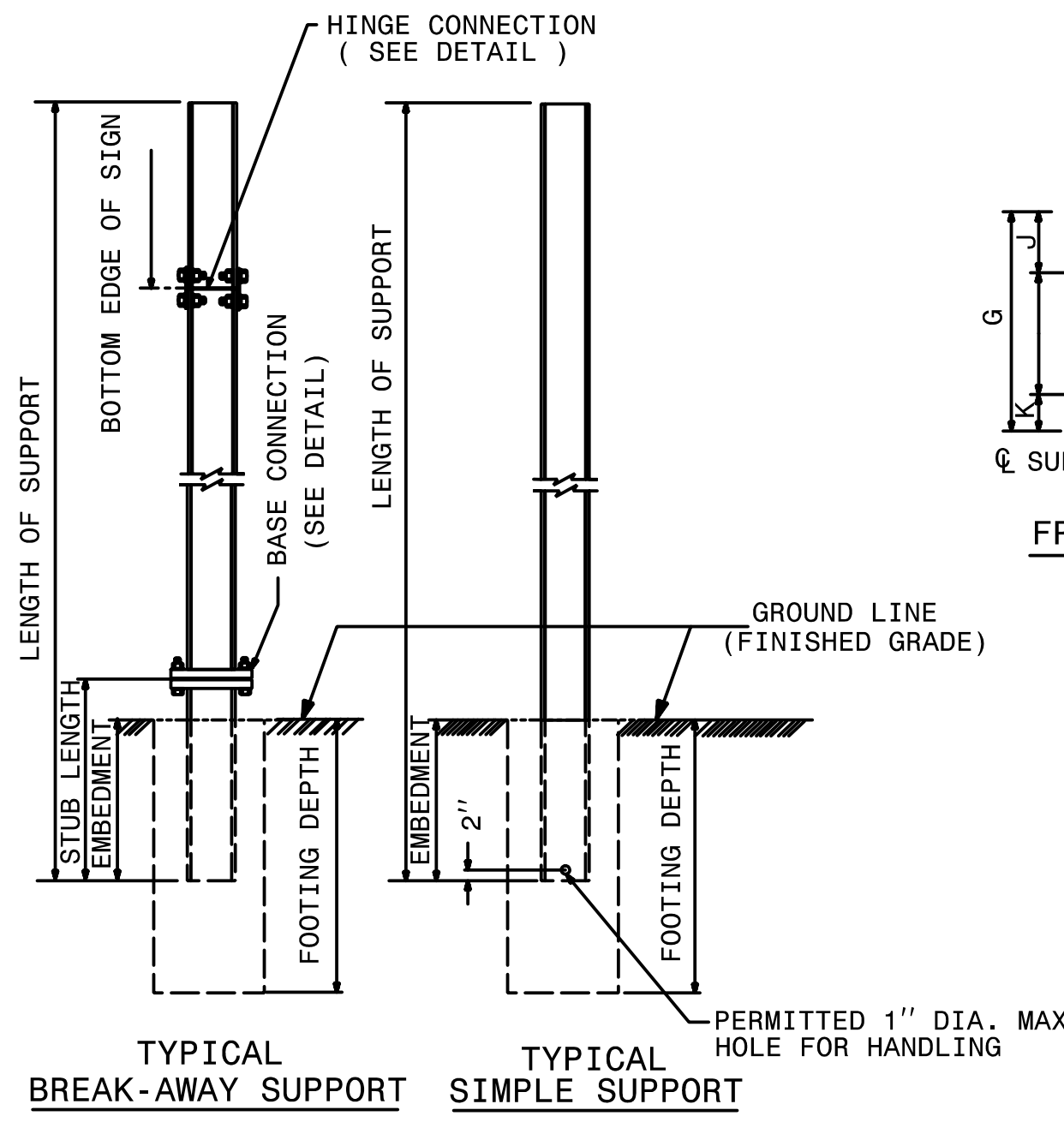
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-12

ENGLISH STANDARD DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

SHEET 1 OF 3

903D10



SEE SHEET 2 OF 3 FOR
BASE CONNECTION DATA
HINGE CONNECTION DATA
& FOUNDATION DATA.
SEE SHEET 3 OF 3 FOR
GENERAL NOTES.

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

1-12

ENGLISH STANDARD DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

SHEET 1 OF 3

903D10

APPROVED: *Ronald W. King*
066507AB677C4DC

DATE: 2/25/2015

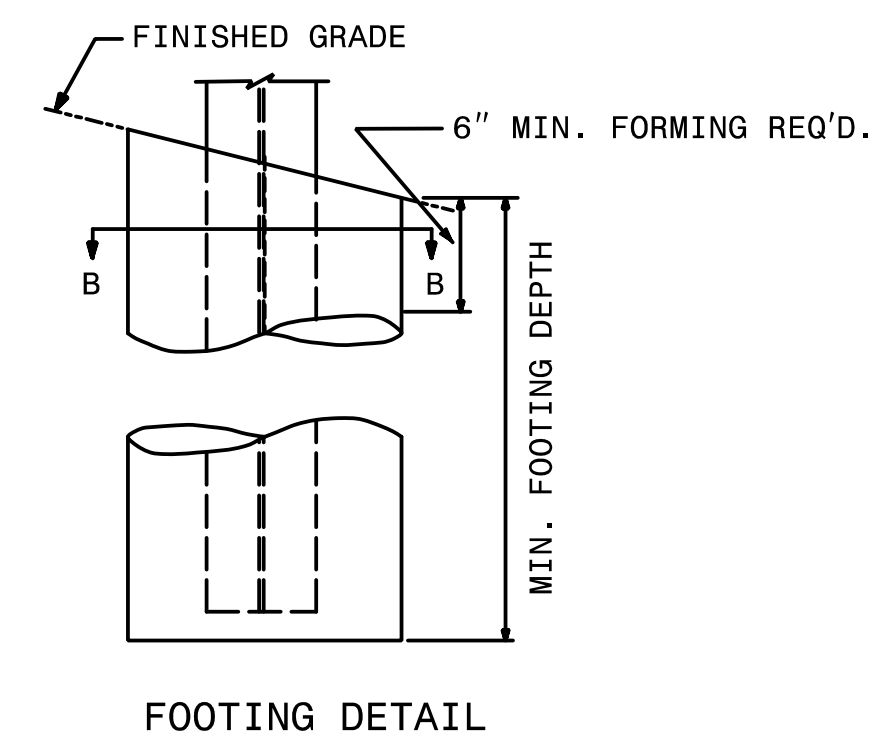
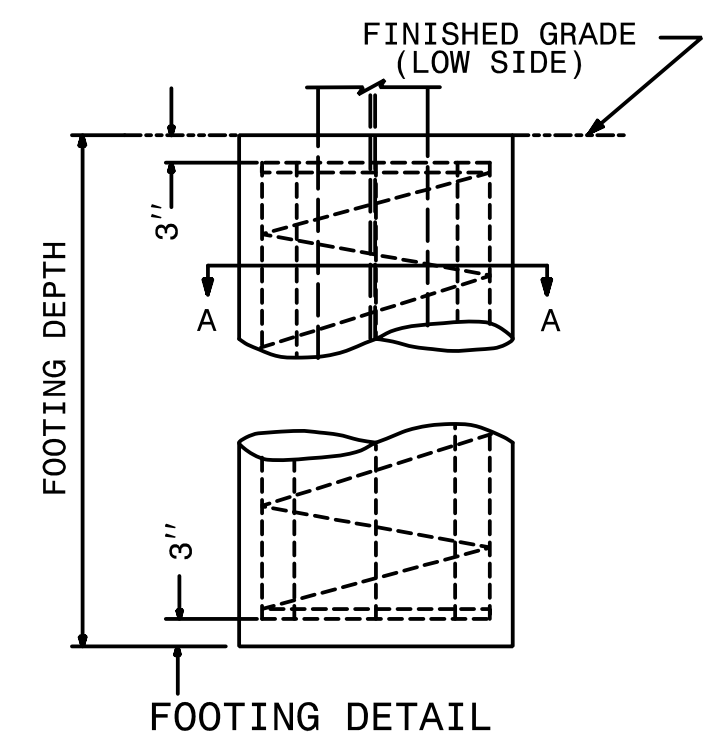
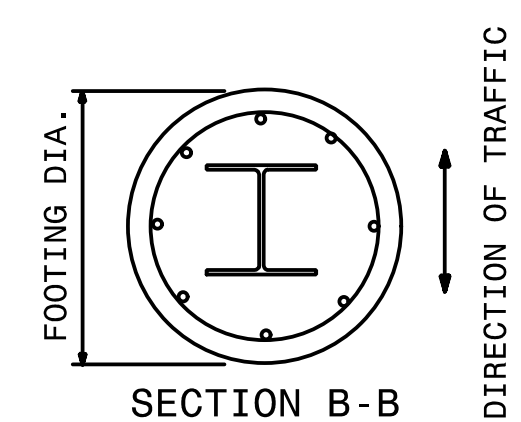
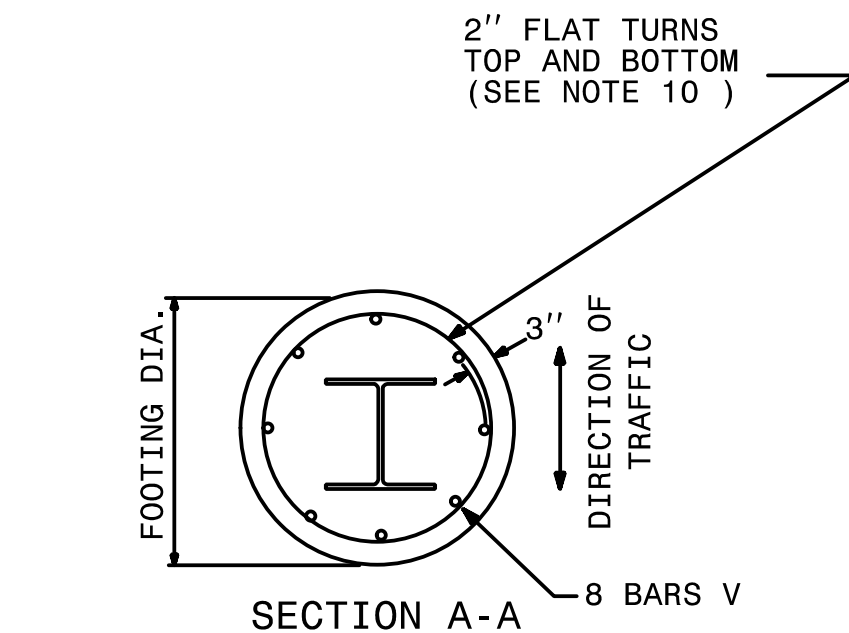


STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

SHEET 2 OF 3
903D10

BEAM SHAPE	SLIP BASE PLATE DATA								KEEPER PLATE DATA								HINGE CONNECTION DATA								BREAK AWAY SUPPORT WEIGHT CONSTANT LBS.	
	BOLT SIZE	A ₁	B ₁	C ₁	D ₁	E ₁	T ₁	R ₁	A ₂	B ₂	C ₂	D ₂	E ₂	R ₂	T ₂	BOLT SIZE	F	G	H	I	J	K	L	R ₃		T ₃
S3X5.7	1/2" DIA. X 3/4"	7"	4"	1"	3/4"	2 1/2"	1"	9/32"	7"	4"	1"	3/4"	2 1/2"	9/32"	28 GAUGE	1/2" DIA. X 1 3/4"	2 1/4"	3 1/2"	4"	1/2"	1"	1/2"	2"	9/32"	3/8"	18
S4X7.7	1/2" DIA. X 3/4"	8"	4"	1"	3/4"	2 1/2"	1"	9/32"	8"	4"	1"	3/4"	2 1/2"	9/32"	28 GAUGE	1/2" DIA. X 1 3/4"	2 5/8"	3 1/2"	4"	1/2"	1"	1/2"	2"	9/32"	3/8"	20
W6X9	1/2" DIA. X 3/4"	10"	5"	1"	3/4"	3 1/2"	1"	9/32"	10"	5"	1"	3/4"	3 1/2"	9/32"	28 GAUGE	1/2" DIA. X 1 3/4"	4"	3 1/2"	4"	3/4"	1"	1/2"	2"	9/32"	3/8"	32
W6X12	5/8" DIA. X 4"	11"	5"	1 1/4"	7/8"	3 1/4"	1 1/4"	1 1/32"	11"	5"	1 1/4"	7/8"	3 1/4"	1 1/32"	28 GAUGE	5/8" DIA. X 2"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	1 1/32"	3/8"	39
W6X16	5/8" DIA. X 4 1/2"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/2"	1 1/32"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/32"	28 GAUGE	5/8" DIA. X 2 1/4"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	1 1/32"	1/2"	47
W8X18	5/8" DIA. X 4 1/2"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	1 1/2"	1 1/32"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	1 1/32"	28 GAUGE	5/8" DIA. X 2 1/4"	5 1/4"	4"	4 1/2"	1"	1 1/8"	5/8"	2 1/4"	1 1/32"	1/2"	70
W8X21	3/4" DIA. X 4 1/2"	14"	7"	1 1/2"	1"	5"	1 1/2"	1 1/32"	14"	7"	1 1/2"	1"	5"	1 1/32"	28 GAUGE	3/4" DIA. X 2 1/2"	5 1/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 1/32"	1/2"	73
W10X22	3/4" DIA. X 4 1/2"	16"	8"	1 1/2"	1"	6"	1 1/2"	1 1/32"	16"	8"	1 1/2"	1"	6"	1 1/32"	28 GAUGE	3/4" DIA. X 2 1/2"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 1/32"	1/2"	119
W10X26	3/4" DIA. X 5 1/2"	16 1/2"	8"	1 1/2"	1"	6"	1 3/4"	1 1/32"	16 1/2"	8"	1 1/2"	1"	6"	1 1/32"	28 GAUGE	3/4" DIA. X 2 3/4"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 1/32"	5/8"	140
W12X26	3/4" DIA. X 5 1/2"	18 1/2"	9"	1 1/2"	1"	7"	1 3/4"	1 1/32"	18 1/2"	9"	1 1/2"	1"	7"	1 1/32"	28 GAUGE	3/4" DIA. X 2 3/4"	6 1/2"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 1/32"	5/8"	176
W14X30	1" DIA. X 6"	22"	9"	2"	1 1/2"	6"	2"	1 1/32"	22"	9"	2"	1 1/2"	6"	1 1/32"	28 GAUGE	1" DIA. X 3"	6 3/4"	7"	8"	1 1/4"	2"	1"	4"	1 1/32"	5/8"	205
W16X31	1" DIA. X 6"	24"	9"	2"	1 1/2"	6"	2"	1 1/32"	24"	9"	2"	1 1/2"	6"	1 1/32"	28 GAUGE	1" DIA. X 3"	5 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 1/32"	3/4"	223
W18X35	1" DIA. X 6"	25"	9"	2"	1 1/2"	6"	2"	1 1/32"	25"	9"	2"	1 1/2"	6"	1 1/32"	28 GAUGE	1" DIA. X 3"	6"	7"	8"	1 1/4"	2"	1"	4"	1 1/32"	3/4"	243
W18X40	1" DIA. X 6 1/2"	26"	9"	2"	1 1/2"	6"	2 1/4"	1 1/32"	26"	9"	2"	1 1/2"	6"	1 1/32"	28 GAUGE	1" DIA. X 3 1/2"	6"	7"	8"	1 1/4"	2"	1"	4"	1 1/32"	7/8"	278
W21X44	1" DIA. X 7"	29"	9"	2"	1 1/2"	6"	2 1/2"	1 1/32"	29"	9"	2"	1 1/2"	6"	1 1/32"	28 GAUGE	1" DIA. X 3 1/2"	6 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 1/32"	7/8"	310



FOUNDATION DATA *		
FOOTING DIAMETER	REINFORCEMENT	SPIRAL BAR
1'-6"	8 # 6 BARS	#3 BAR, 6" PITCH
2'	8 # 7 BARS	#3 BAR, 6" PITCH
2'-6"	8 # 9 BARS	#3 BAR, 6" PITCH
3'	8 # 11 BARS	#3 BAR, 6" PITCH
3'-6"	8 # 12 BARS	#3 BAR, 6" PITCH
4'	8 # 14 BARS	#3 BAR, 6" PITCH

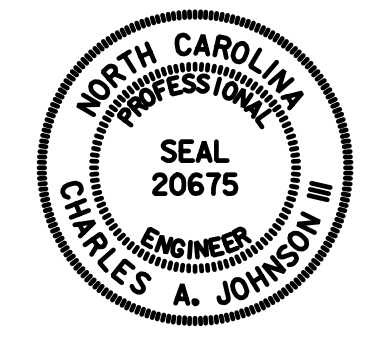
* FOUNDATION DIMENSIONS ARE SHOWN IN PLANS

STATE OF NORTH CAROLINA
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ENGLISH DETAIL DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

SHEET 2 OF 3
903D10

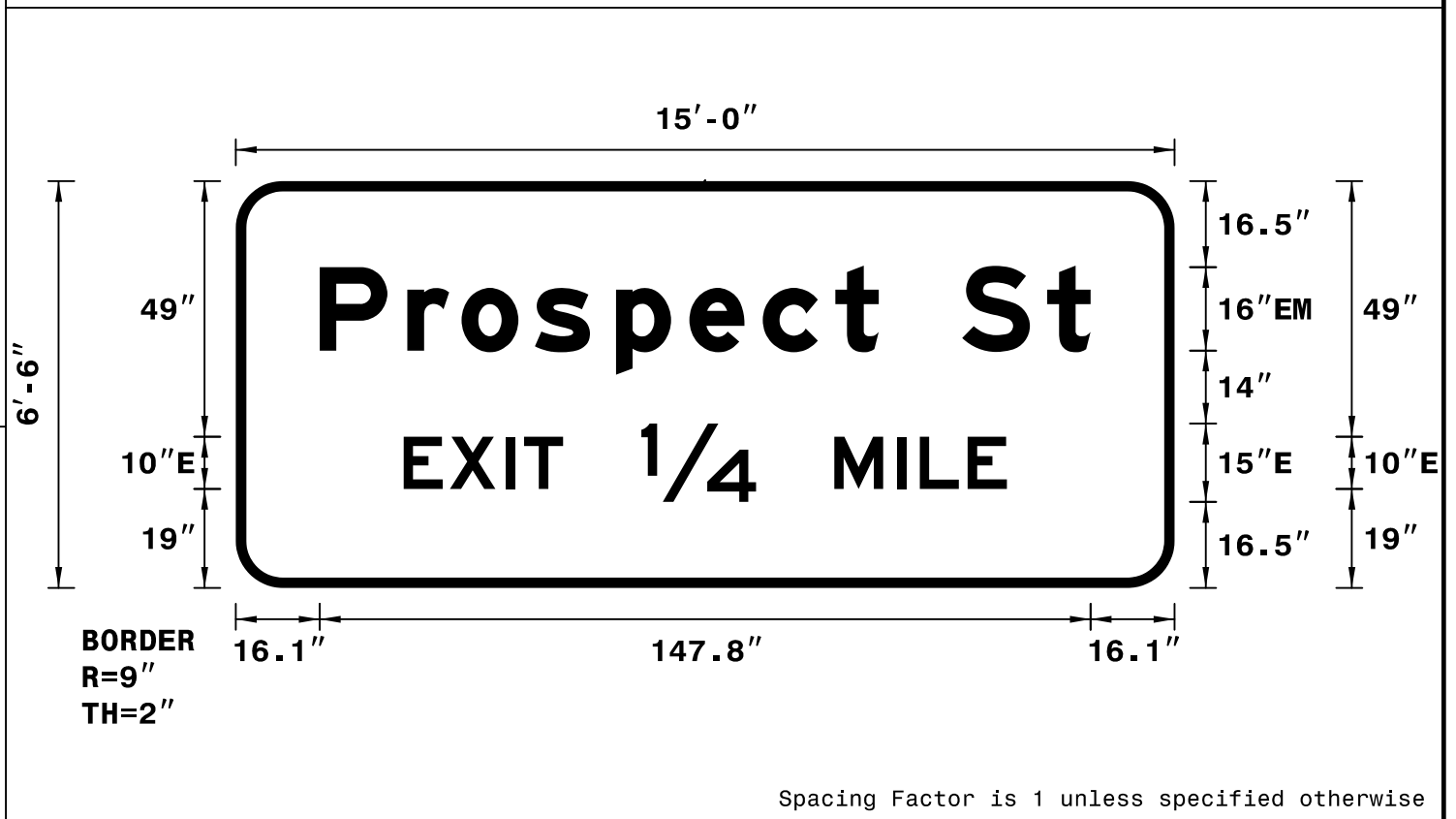
APPROVED: Charles A. Johnson III
 DATE: 2/24/2015



SIGN NUMBER: 101,103
 TYPE: A
 QUANTITY: 2
 SIGN WIDTH: 15'-0"
 HEIGHT: 6'-6"
 TOTAL AREA: 97.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 9"
 NO. Z BARS: 2
 LENGTH: 172.0

SYMBOL	X	Y	WID	HT

DESIGN BY: TRT
 PROJECT ID: B-5114
 CHECKED BY: ADK/CAJ
 DIV: 08
 DATE: February 2015



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

LETTER POSITIONS

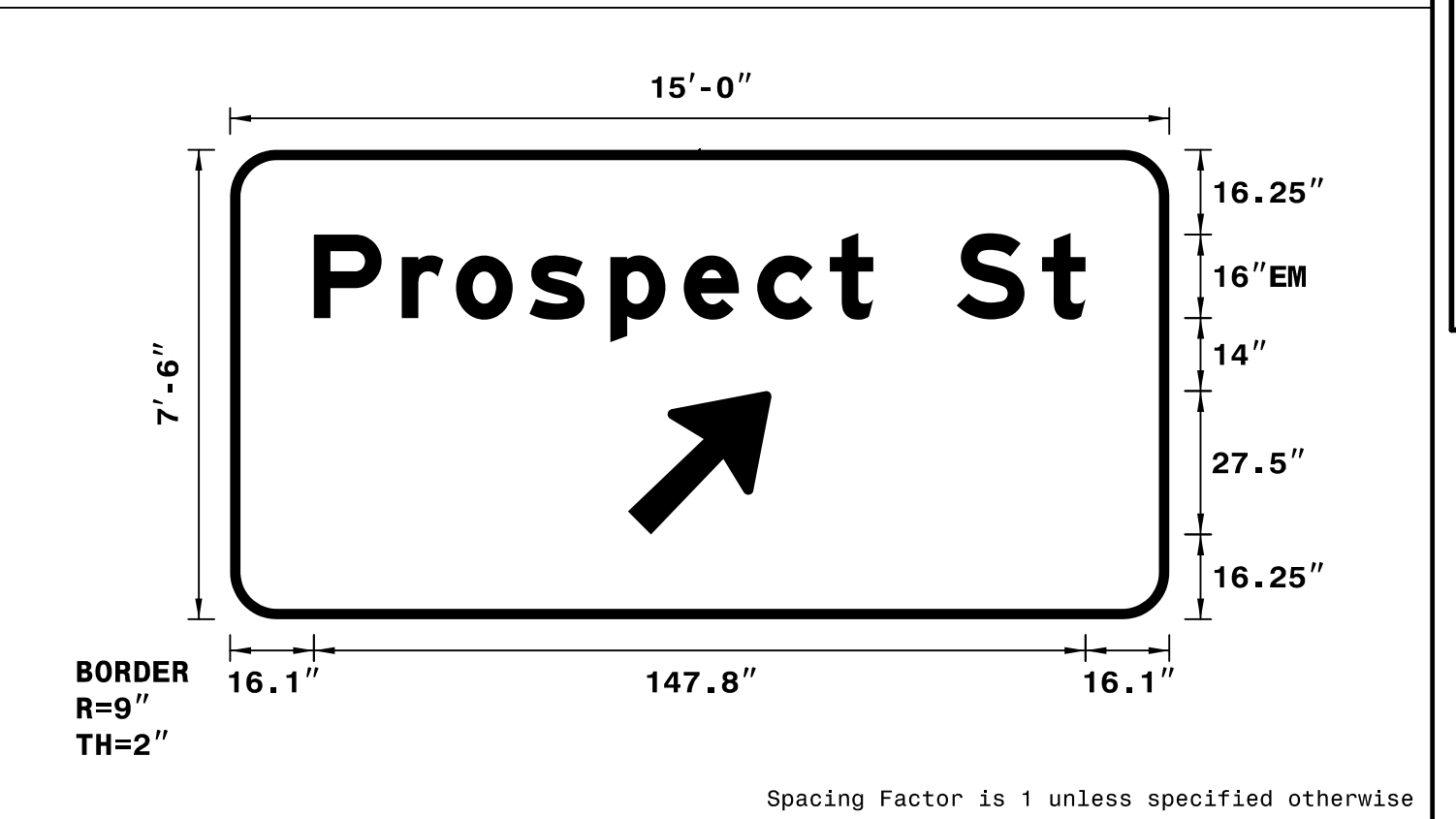
Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	147.8
E 2000	115.7

SIGN NUMBER: 102,104
 TYPE: A
 QUANTITY: 2
 SIGN WIDTH: 15'-0"
 HEIGHT: 7'-6"
 TOTAL AREA: 112.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 9"
 NO. Z BARS: 3
 LENGTH: 172.0

SYMBOL	X	Y	WID	HT
Type A Arrow	76.3	16.3	22.4	35.3

DESIGN BY: TRT
 PROJECT ID: B-5114
 CHECKED BY: ADK/CAJ
 DIV: 08
 DATE: February 2015



NOTES:
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 2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

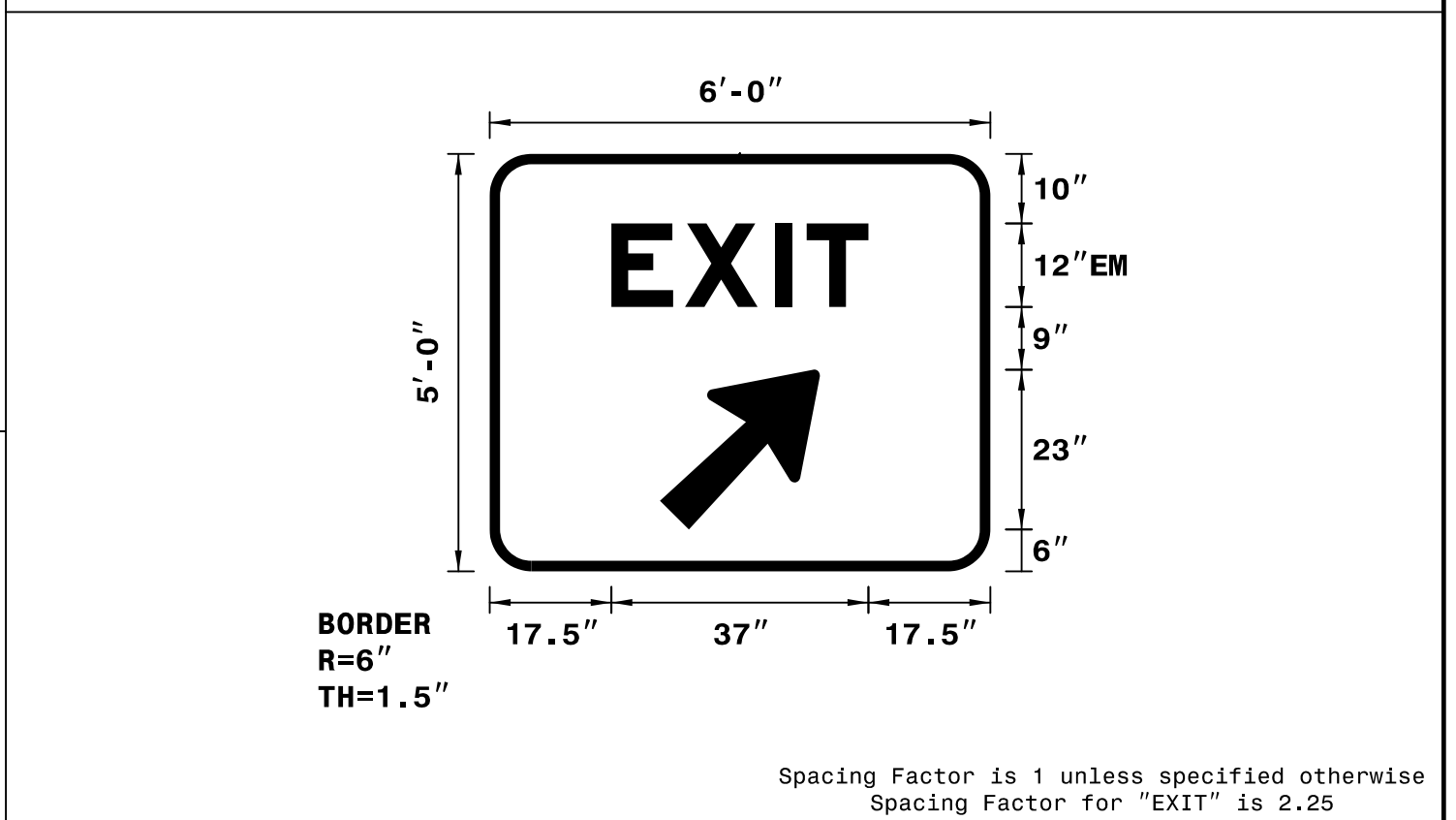
Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	147.8
E 2000	115.7

SIGN NUMBER: 201A,202A
 TYPE: A
 QUANTITY: 2
 SIGN WIDTH: 6'-0"
 HEIGHT: 5'-0"
 TOTAL AREA: 30.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 6"
 NO. Z BARS: 2
 LENGTH: 64.0

SYMBOL	X	Y	WID	HT
Type A Arrow	24.8	6.6	18.3	28.7

DESIGN BY: TRT
 PROJECT ID: B-5114
 CHECKED BY: ADK/CAJ
 DIV: 08
 DATE: February 2015



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

LETTER POSITIONS

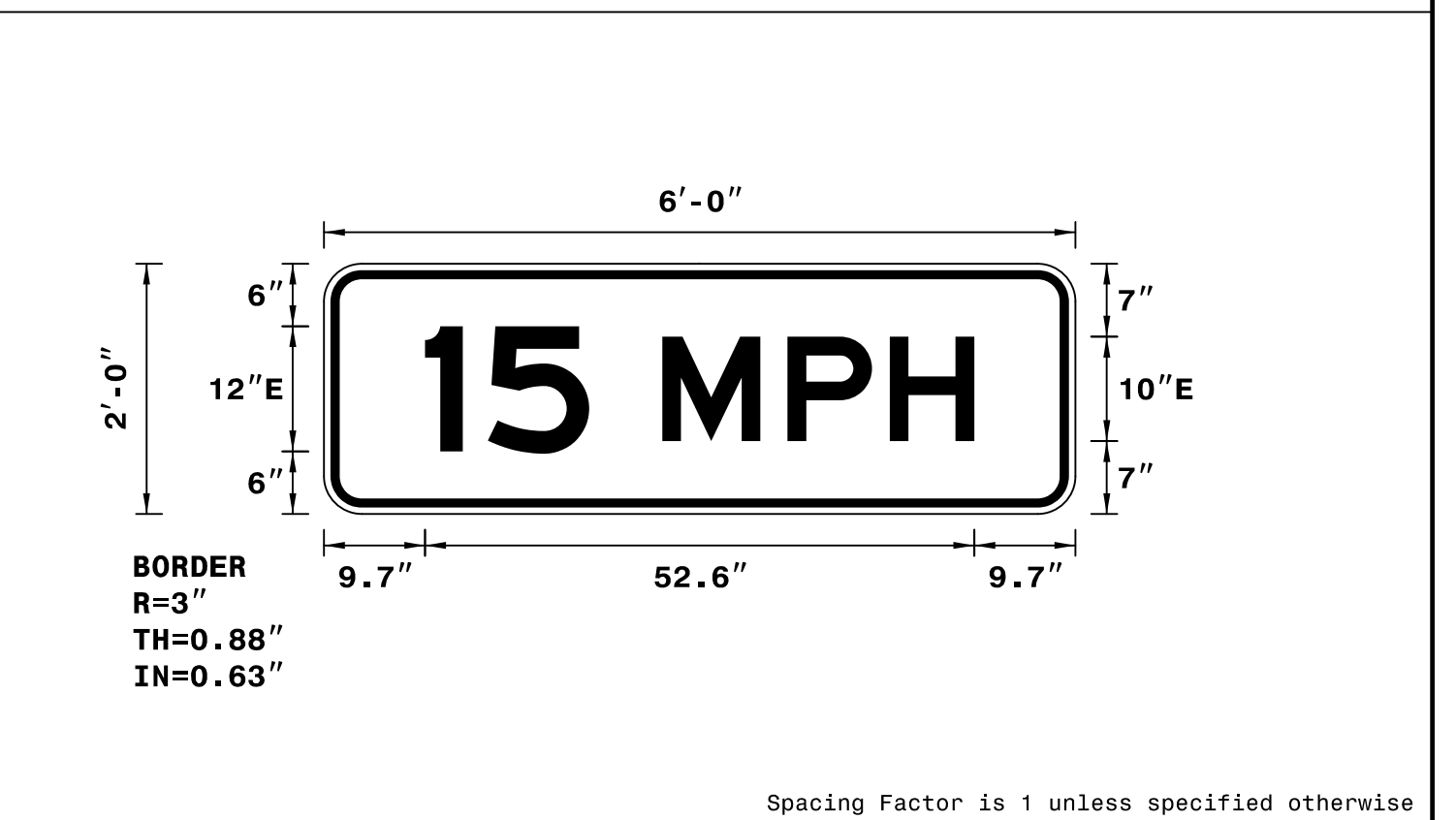
Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	37

SIGN NUMBER: 201B
 TYPE: B
 QUANTITY: 1
 SIGN WIDTH: 6'-0"
 HEIGHT: 2'-0"
 TOTAL AREA: 12.0 Sq.Ft.
 BORDER TYPE: RECESSED
 RECESS: 0.63"
 WIDTH: 0.88"
 RADII: 3"
 NO. Z BARS: 2
 LENGTH: 64

SYMBOL	X	Y	WID	HT

DESIGN BY: TRT
 PROJECT ID: B-5114
 CHECKED BY: ADK/CAJ
 DIV: 08
 DATE: February 2015



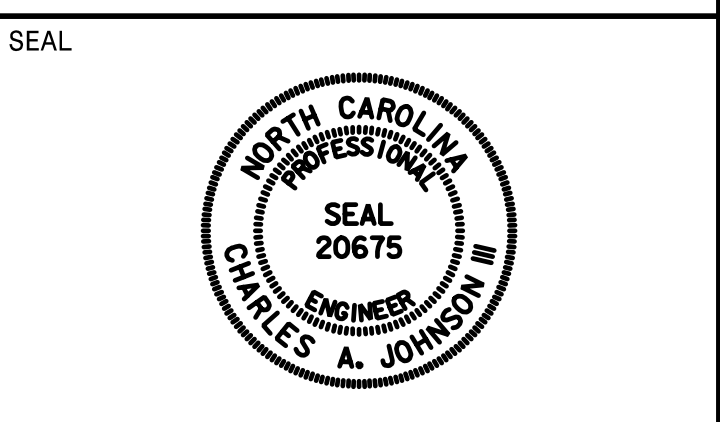
NOTES:
 1. Legend and border shall be direct applied non-reflective sheeting.
 2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	52.6

APPROVED: Charles A. Johnson III
6243481AC08543B
 DATE: 2/24/2015



SIGN NUMBER: 202B BACKG COLOR: Yellow
 TYPE: B COPY COLOR: Black
 QUANTITY: 1

SYMBOL	X	Y	WID	HT

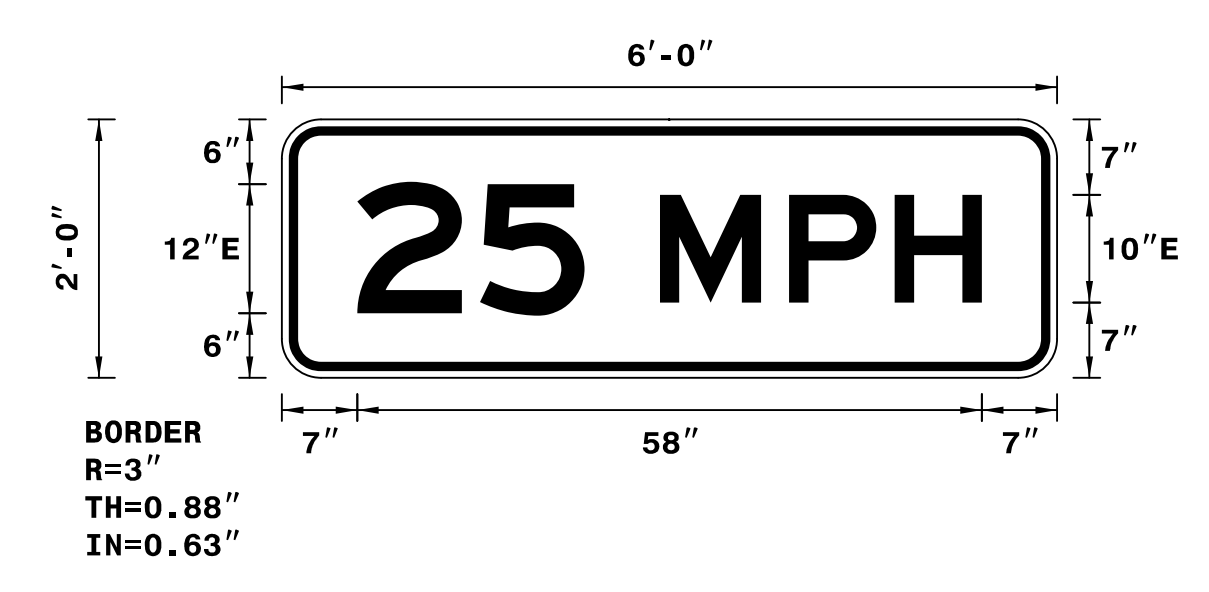
SIGN WIDTH: 6'-0"
 HEIGHT: 2'-0"
 TOTAL AREA: 12.0 Sq.Ft.

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

MAT'L: 0.125" ALUMINUM

NO. Z BARS: 2
 LENGTH: 64

DESIGN BY: TRT CHECKED BY: ADK/CAJ
 PROJECT ID: B-5114 DIV: 08 DATE: February 2015



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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter											Series/Size
	2	5	M	P	H						Text Length
	7	11.4	9.7	7	12	9.8	8.1	7			58

SIGN NUMBER: 301 BACKG COLOR: Green
 TYPE: D COPY COLOR: White
 QUANTITY: 1

SYMBOL	X	Y	WID	HT
Type D Arrow	12.4	17.7	6	9
Type D Arrow	54.4	4.8	6	9

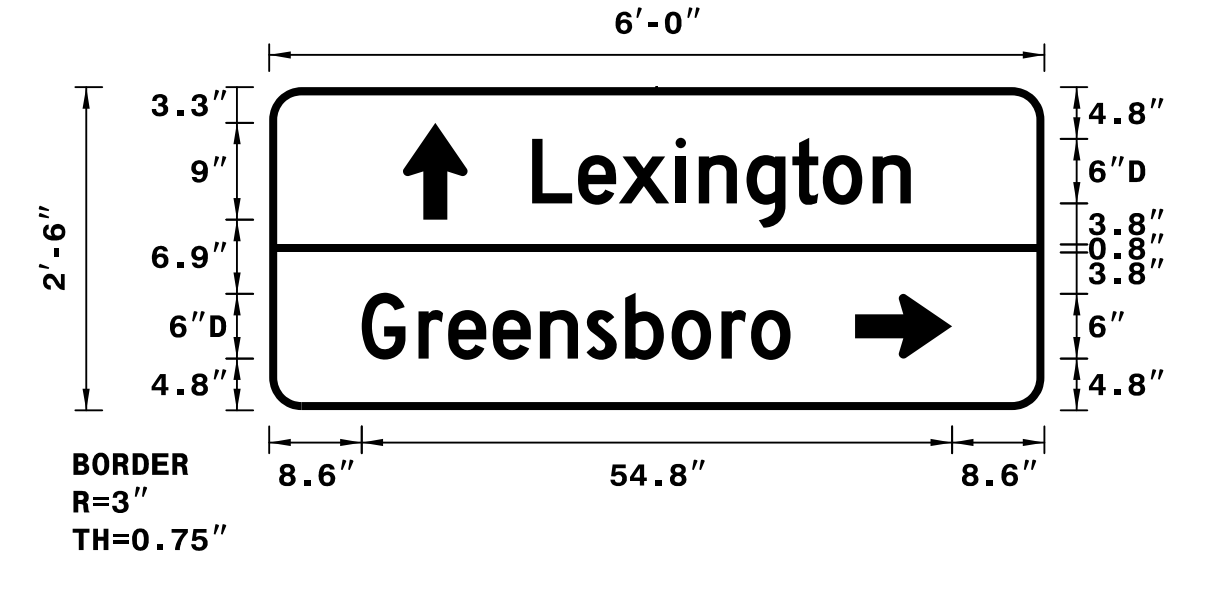
SIGN WIDTH: 6'-0"
 HEIGHT: 2'-6"
 TOTAL AREA: 15.0 Sq.Ft.

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

MAT'L: 0.125" ALUMINUM

NO. Z BARS: N/A
 LENGTH: N/A

DESIGN BY: TRT CHECKED BY: ADK/CAJ
 PROJECT ID: B-5114 DIV: 08 DATE: February 2015



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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size
	L	e	x	i	n	g	t	o	n			Text Length
	24.4	4.3	3.8	5.3	2.2	4.4	4.3	2.8	4.6	3.5	12.4	35.2
	8.6	5.3	2.8	4.1	4.4	4.3	3.6	4.3	4.6	2.8	3.7	39.8

SIGN NUMBER: 302,304 BACKG COLOR: Green
 TYPE: D COPY COLOR: White
 QUANTITY: 2

SYMBOL	X	Y	WID	HT
Type D Arrow	54.3	6	6	9

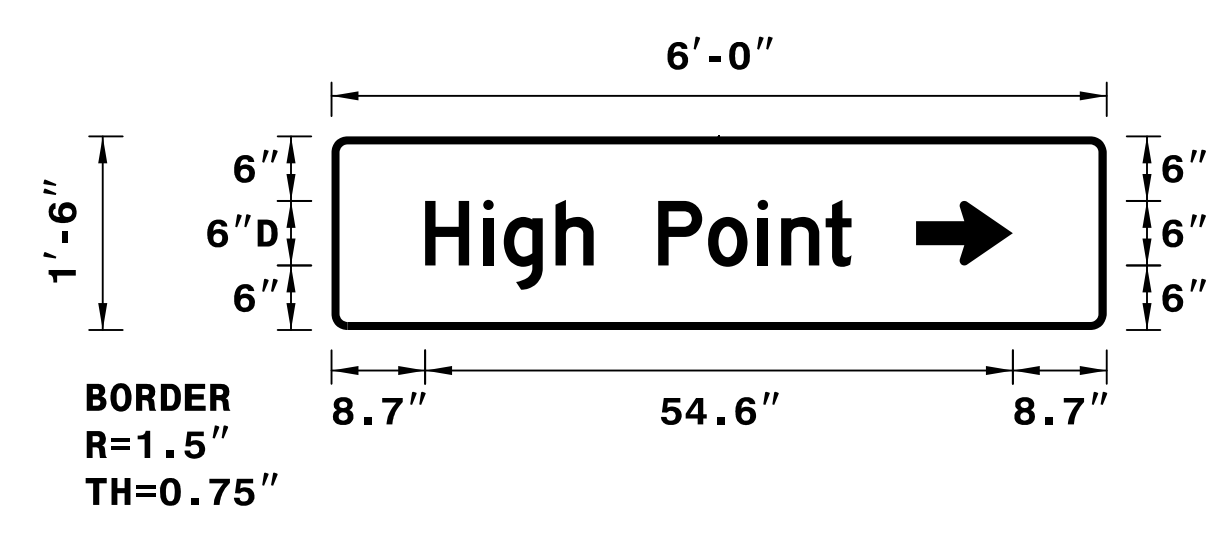
SIGN WIDTH: 6'-0"
 HEIGHT: 1'-6"
 TOTAL AREA: 9.0 Sq.Ft.

BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 0.75"
 RADII: 1.5"

MAT'L: 0.125" ALUMINUM

NO. Z BARS: N/A
 LENGTH: N/A

DESIGN BY: TRT CHECKED BY: ADK/CAJ
 PROJECT ID: B-5114 DIV: 08 DATE: February 2015



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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size
	H	i	g	h	P	o	i	n	t			Text Length
	8.7	5.4	1.9	4.8	3.5	6	4.6	4.6	2.2	4.1	2.4	39.6

SIGN NUMBER: 303 BACKG COLOR: Green
 TYPE: D COPY COLOR: White
 QUANTITY: 1

SYMBOL	X	Y	WID	HT
Type D Arrow	7.2	17.7	6	9
Type D Arrow	49.1	5	6	9

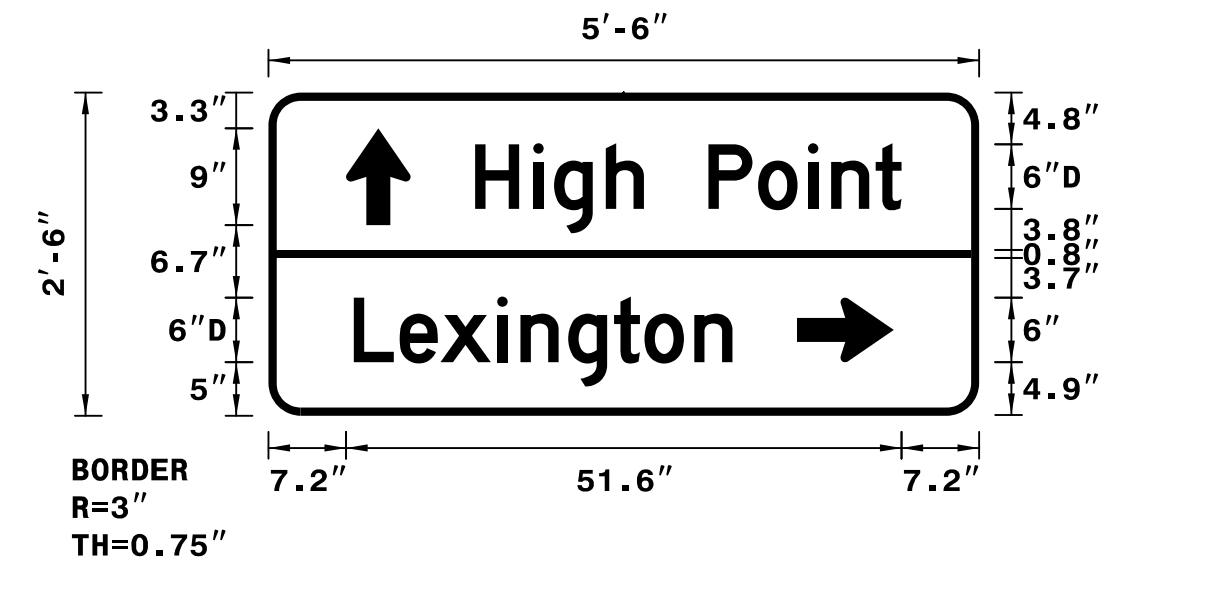
SIGN WIDTH: 5'-6"
 HEIGHT: 2'-6"
 TOTAL AREA: 13.8 Sq.Ft.

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

MAT'L: 0.125" ALUMINUM

NO. Z BARS: N/A
 LENGTH: N/A

DESIGN BY: TRT CHECKED BY: ADK/CAJ
 PROJECT ID: B-5114 DIV: 08 DATE: February 2015



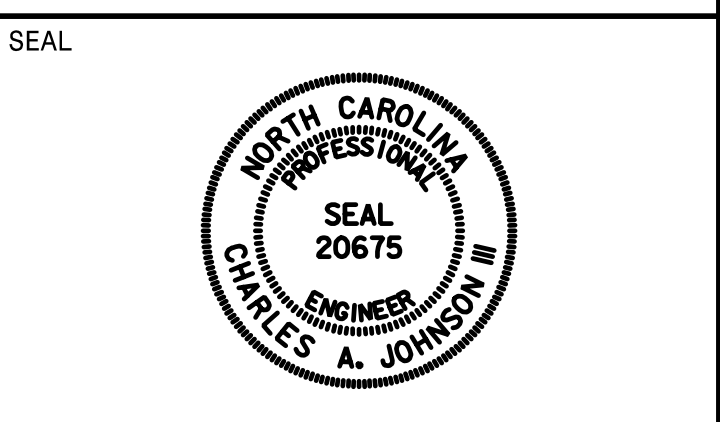
NOTES:
 1. Legend and border shall be direct applied Grade C reflective sheeting.
 2. Background shall be Grade C reflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size
	H	i	g	h	P	o	i	n	t			Text Length
	19.2	5.4	1.9	4.8	3.5	6	4.6	4.6	2.2	4.1	2.4	39.6
	7.9	4.3	3.8	5.3	2.2	4.4	4.3	2.8	4.6	3.5	22.9	35.2

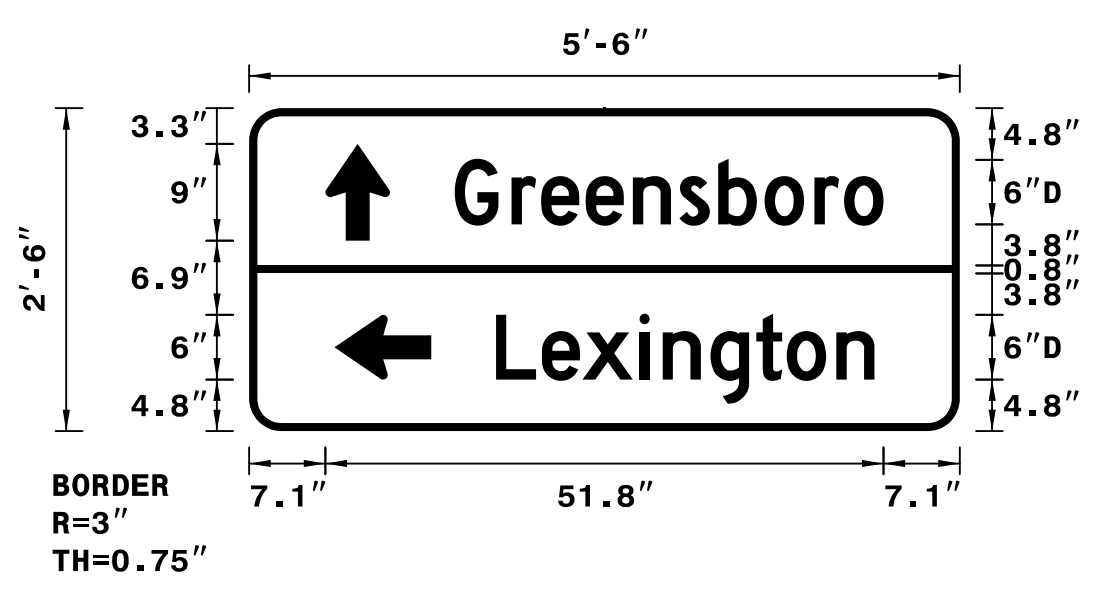
APPROVED: Charles A. Johnson III
6243481AC0943B
 DATE: 2/24/2015



SIGN NUMBER: 305
 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: 3"
 NO. Z BARS: N/A
 LENGTH: N/A

SYMBOL	X	Y	WID	HT
Type D Arrow	7.1	17.7	6	9
Type D Arrow	7.9	4.8	6	9

DESIGN BY: TRT
 PROJECT ID: B-5114
 CHECKED BY: ADK/CAJ
 DIV: 08
 DATE: February 2015



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

LETTER POSITIONS

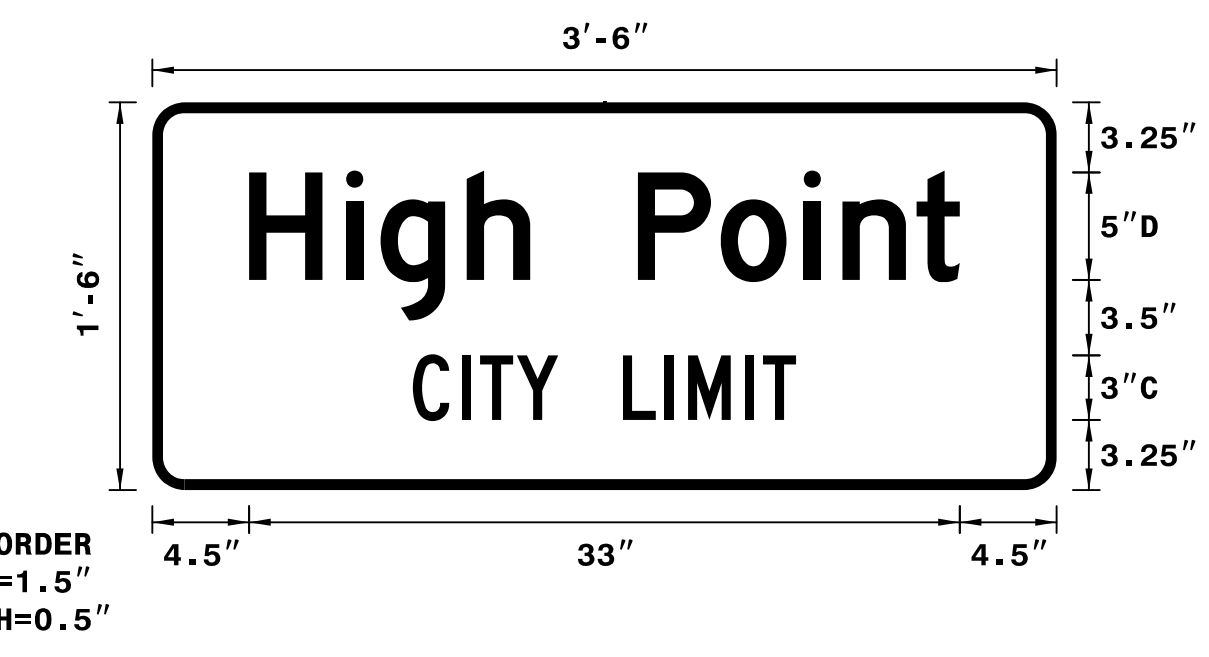
Letter spacings are to start of next letter

	G	r	e	e	n	s	b	o	r	o		Series/Size Text Length
	19.1	5.3	2.8	4.1	4.4	4.3	3.6	4.3	4.6	2.8	3.7	D 2000 39.8
		L	e	x	i	n	g	t	o	n		D 2000 35.2
	22.9	4.3	3.8	5.3	2.2	4.4	4.3	2.8	4.6	3.5	7.9	

SIGN NUMBER: 307
 TYPE: D
 QUANTITY: 1
 SIGN WIDTH: 3'-6"
 HEIGHT: 1'-6"
 TOTAL AREA: 5.3 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 0.5"
 RADII: 1.5"
 NO. Z BARS: N/A
 LENGTH: N/A

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

DESIGN BY: TRT
 PROJECT ID: B-5114
 CHECKED BY: ADK/CAJ
 DIV: 08
 DATE: February 2015



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

LETTER POSITIONS

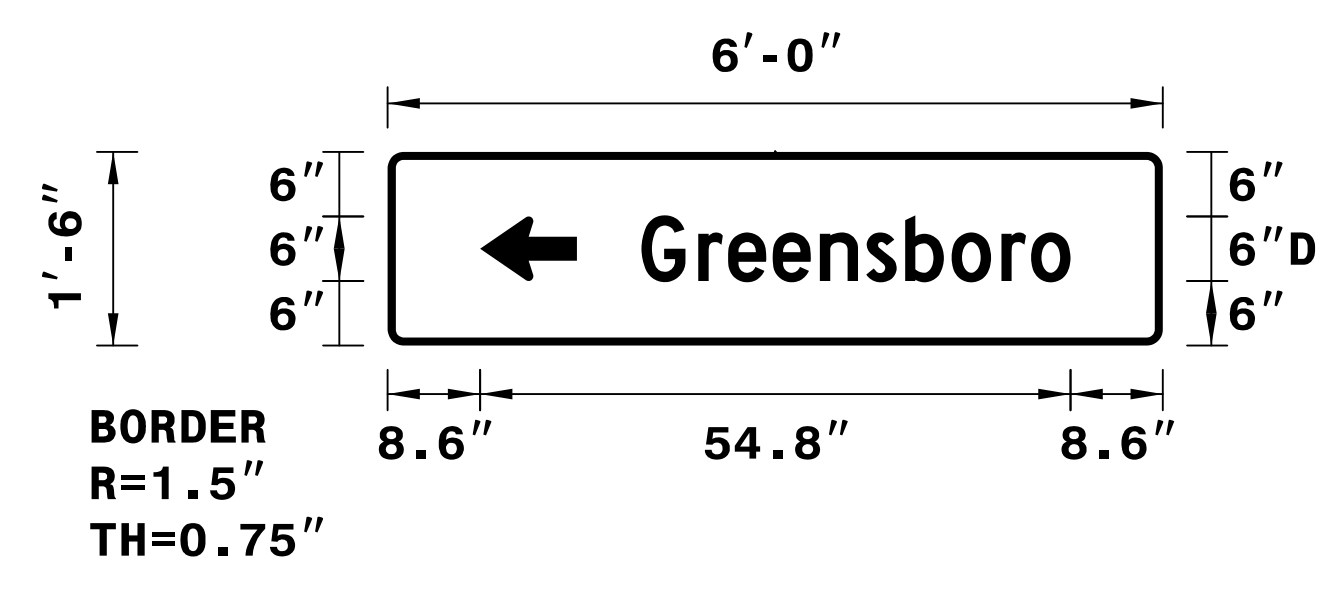
Letter spacings are to start of next letter

	H	i	g	h	P	o	i	n	t		Series/Size Text Length	
	4.5	4.5	1.6	4	2.9	5	3.8	3.8	1.8	3.4	2	D 2000 33
		C	I	T	Y	L	I	M	I	T		C 2000 17.8
	12.1	2.3	0.8	1.7	1.9	3	2	1.1	2.6	0.8	1.5	12.1

SIGN NUMBER: 306
 TYPE: D
 QUANTITY: 1
 SIGN WIDTH: 6'-0"
 HEIGHT: 1'-6"
 TOTAL AREA: 9.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 0.75"
 RADII: 1.5"
 NO. Z BARS: N/A
 LENGTH: N/A

SYMBOL	X	Y	WID	HT
Type D Arrow	8.6	6	6	9

DESIGN BY: TRT
 PROJECT ID: B-5114
 CHECKED BY: ADK/CAJ
 DIV: 08
 DATE: February 2015

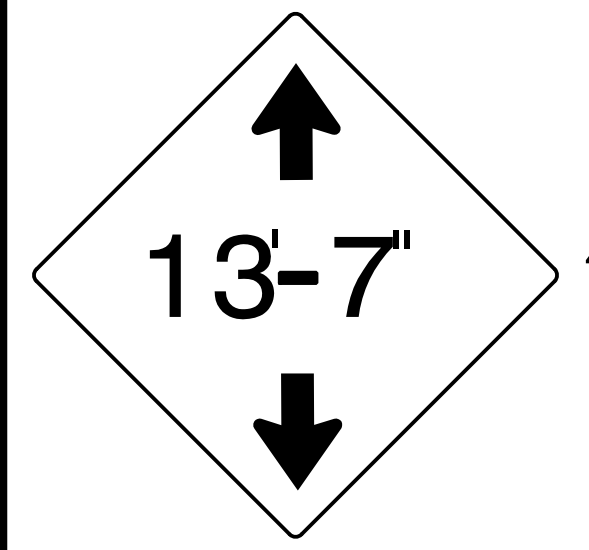
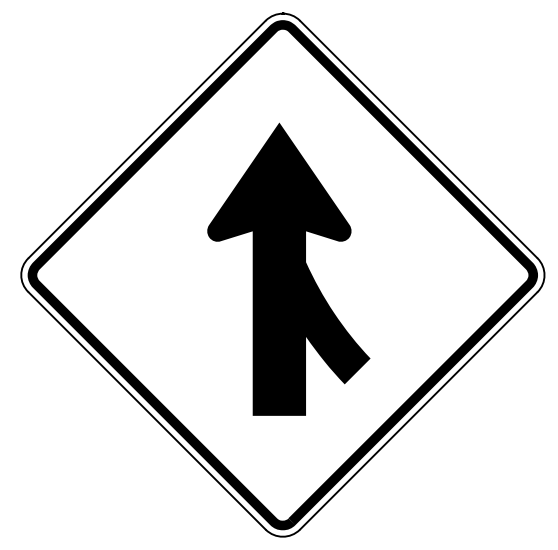

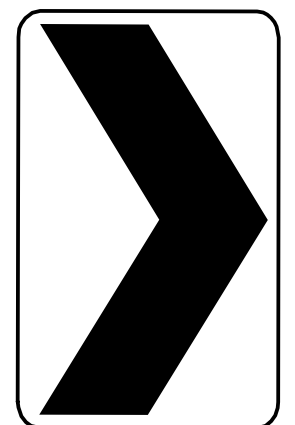
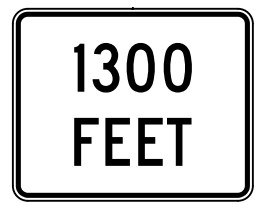

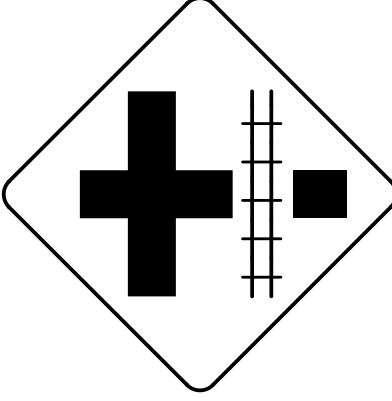

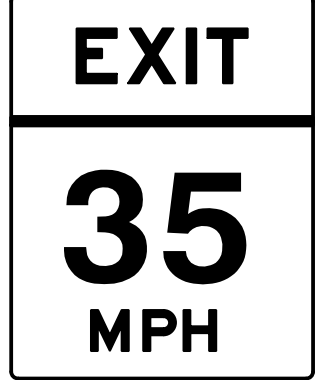
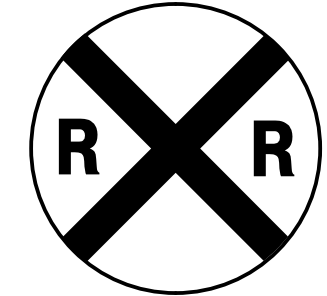

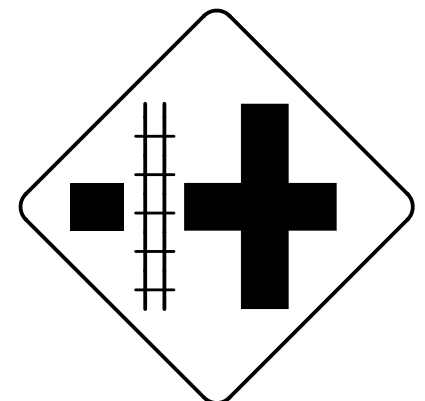
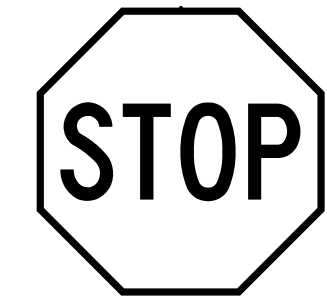
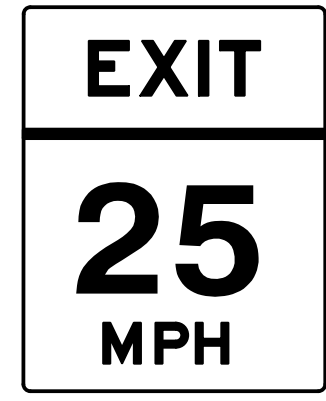

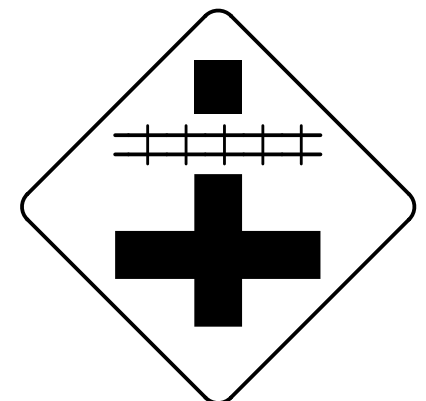
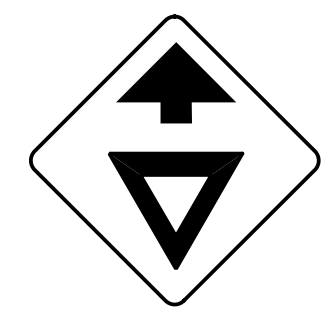
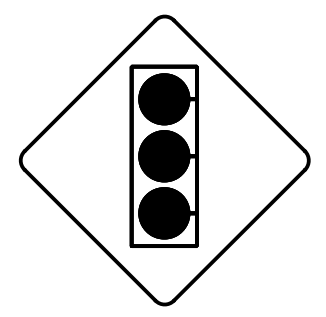
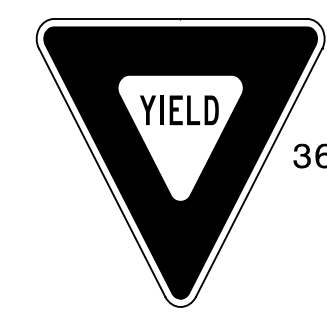
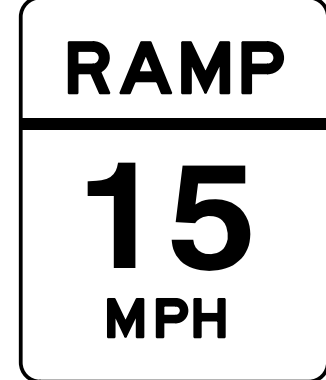



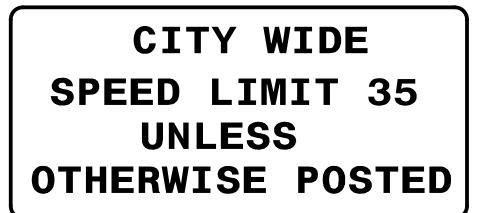
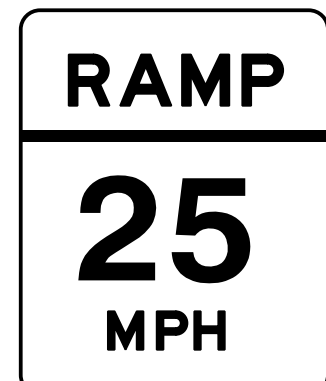



NOTES:
 1. Legend and border shall be direct applied Grade C reflective sheeting.
 2. Background shall be Grade C reflective sheeting.


LETTER POSITIONS

Letter spacings are to start of next letter

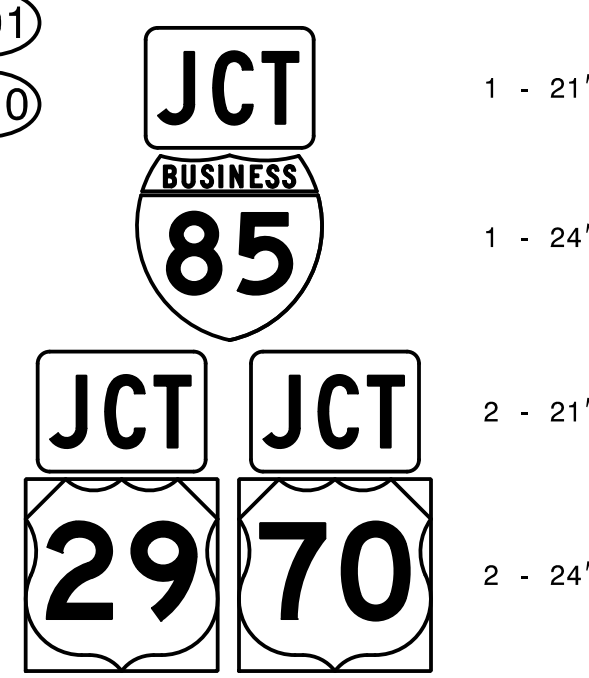
	G	r	e	e	n	s	b	o	r	o		Series/Size Text Length
	23.6	5.3	2.8	4.1	4.4	4.3	3.6	4.3	4.6	2.8	3.7	D 2000 39.8
		L	e	x	i	n	g	t	o	n		D 2000 35.2

<p>401 QUANTITY REQ'D 4</p>  <p>48" X 48" W12-2</p> <p>TWO "U" POSTS PER SIGN</p>	<p>406 QUANTITY REQ'D 2</p>  <p>48" X 48" W4-1</p> <p>TWO "U" POSTS PER SIGN</p>	<p>411 QUANTITY REQ'D 1</p>  <p>24" X 30" R2-1</p> <p>ONE "U" POST PER SIGN</p>	<p>416 QUANTITY REQ'D 5</p>  <p>36" X 48" W1-8 (R)</p> <p>INSTALL ON TWO "U" POSTS PER SIGN SPACED APPROX 24 INCHES APART ON SUPPORT CENTERS</p> <p>INSTALL 28 INCH HORIZONTAL CROSS BRACING LEAVING A 1 INCH MARGIN FROM LEFT AND RIGHT EDGES OF SIGN</p> <p>INSTALLATION HEIGHT: BOTTOM OF SIGN SHALL BE 4 FEET ABOVE THE EDGE OF TRAVEL LANE ELEVATION (LEFT EDGELINE OF RAMP)</p> <p>ALL OTHER PORTIONS OF ROADWAY STANDARD DRAWING 904.50 APPLY</p>		
<p>402 QUANTITY REQ'D 2</p>  <p>30" X 24" W16-2P</p> <p>MOUNT BELOW SIGN 401 IN 2 INSTALLATIONS</p>	<p>407 QUANTITY REQ'D 2</p>  <p>24" X 30" W4-5P</p> <p>MOUNT BELOW SIGN 406 IN 2 INSTALLATIONS</p>	<p>412 QUANTITY REQ'D 2</p>  <p>36" X 36" W10-2(R)</p> <p>ONE "U" POST PER SIGN</p>	<p>417 QUANTITY REQ'D 1</p>  <p>48" X 60" R2-1</p> <p>TWO "U" POSTS PER SIGN</p>	<p>421 QUANTITY REQ'D 1</p>  <p>36" X 48" W13-2</p> <p>TWO "U" POSTS PER SIGN</p>	<p>424 QUANTITY REQ'D 1</p>  <p>36" X 36" W10-1</p> <p>ONE "U" POST PER SIGN</p>
<p>403 QUANTITY REQ'D 2</p>  <p>30" X 24" W16-2P</p> <p>MOUNT BELOW SIGN 401 IN 2 INSTALLATIONS</p>	<p>408 QUANTITY REQ'D 2</p>  <p>36" X 36" W10-2(L)</p> <p>ONE "U" POST PER SIGN</p>	<p>413 QUANTITY REQ'D 1</p>  <p>36" X 36" R1-1</p> <p>ONE "U" POST PER SIGN</p>	<p>418 QUANTITY REQ'D 1</p>  <p>36" X 48" W13-2</p> <p>TWO "U" POSTS PER SIGN</p>	<p>422 QUANTITY REQ'D 2</p>  <p>36" X 36" R5-1</p> <p>ONE "U" POST PER SIGN</p>	<p>425 QUANTITY REQ'D 2</p>  <p>36" X 36" W10-2</p> <p>ONE "U" POST PER SIGN</p>
<p>404 QUANTITY REQ'D 2</p>  <p>30" X 30" W3-2</p> <p>ONE "U" POST PER SIGN</p>	<p>409 QUANTITY REQ'D 5</p>  <p>30" X 30" W3-3</p> <p>ONE "U" POST PER SIGN</p>	<p>414 QUANTITY REQ'D 4</p>  <p>36" X 36" X 36" R1-2</p> <p>ONE "U" POST PER SIGN</p>	<p>419 QUANTITY REQ'D 1</p>  <p>36" X 48" W13-3</p> <p>TWO "U" POSTS PER SIGN</p>	<p>423 QUANTITY REQ'D 4</p>  <p>36" X 24" R5-1a</p> <p>ONE "U" POST PER SIGN</p>	
<p>405 QUANTITY REQ'D 2</p>  <p>18" X 24" W4-5P</p> <p>MOUNT BELOW SIGN 404 IN 2 INSTALLATIONS</p>	<p>410 QUANTITY REQ'D 1</p>  <p>24" X 30" R2-1</p> <p>ONE "U" POST PER SIGN</p>	<p>415 QUANTITY REQ'D 1</p>  <p>42" X 30" R2-27</p> <p>MOUNT BELOW SIGN 307 IN 1 INSTALLATION</p>	<p>420 QUANTITY REQ'D 1</p>  <p>36" X 48" W13-3</p> <p>TWO "U" POSTS PER SIGN</p>		

TIP NO. B-5114	SHEET NO. SIGN-4
Approved by: <u>Charles A. Johnson III</u> <small>6243481AC09548B</small> DATE: <u>2/24/2015</u>	
SEAL 	

TIP NO. B-5114	SHEET NO. SIGN-4A
APPROVED: <u>Charles A. Johnson III</u> <small>DocuSigned by: 6243481AC09543B</small>	
DATE: 2/24/2015	
SEAL	
	

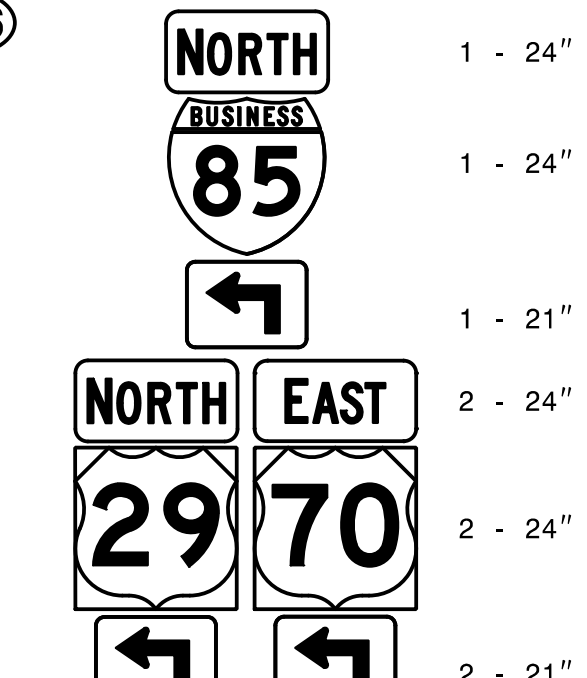
501
510



1 - 21" X 15"
1 - 24" X 24"
2 - 21" X 15"
2 - 24" X 24"

TWO "U" POSTS PER ASSEMBLY

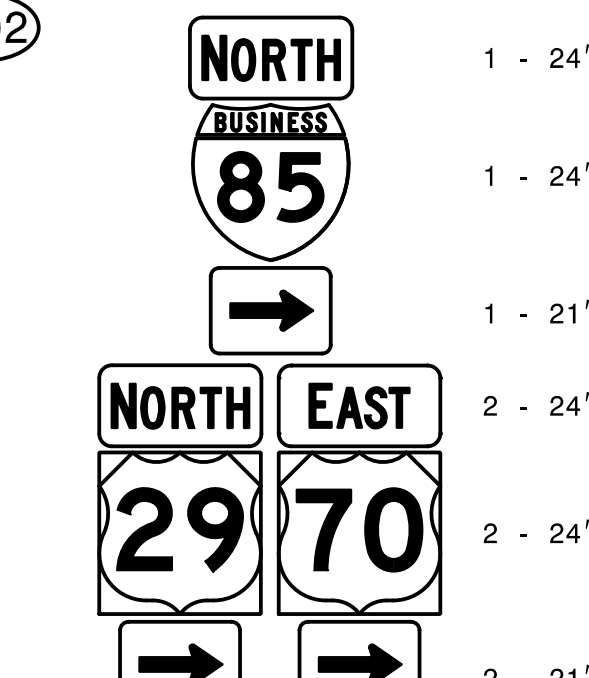
506



1 - 24" X 12"
1 - 24" X 24"
1 - 21" X 15"
2 - 24" X 12"
2 - 24" X 24"
2 - 21" X 15"

TWO "U" POSTS PER ASSEMBLY

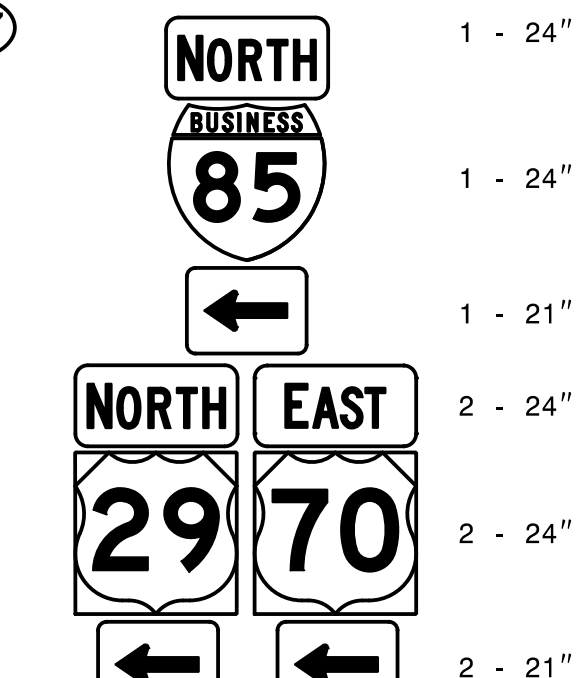
502



1 - 24" X 12"
1 - 24" X 24"
1 - 21" X 15"
2 - 24" X 12"
2 - 24" X 24"
2 - 21" X 15"

TWO "U" POSTS PER ASSEMBLY

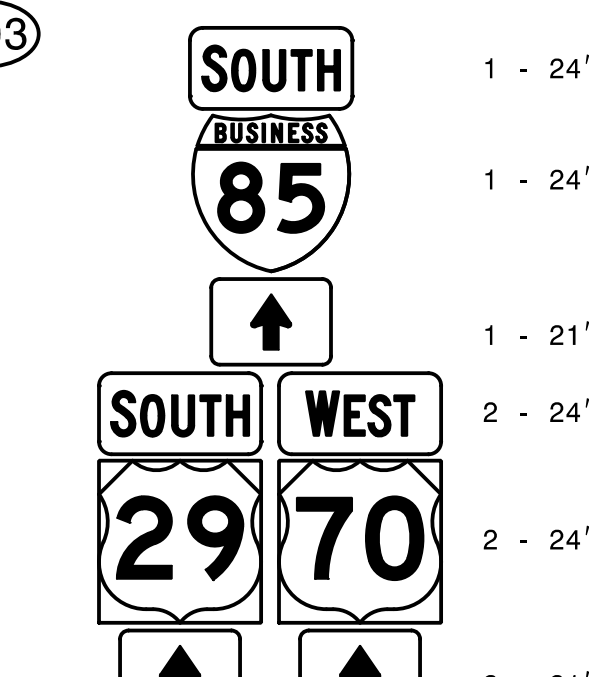
507



1 - 24" X 12"
1 - 24" X 24"
1 - 21" X 15"
2 - 24" X 12"
2 - 24" X 24"
2 - 21" X 15"

TWO "U" POSTS PER ASSEMBLY

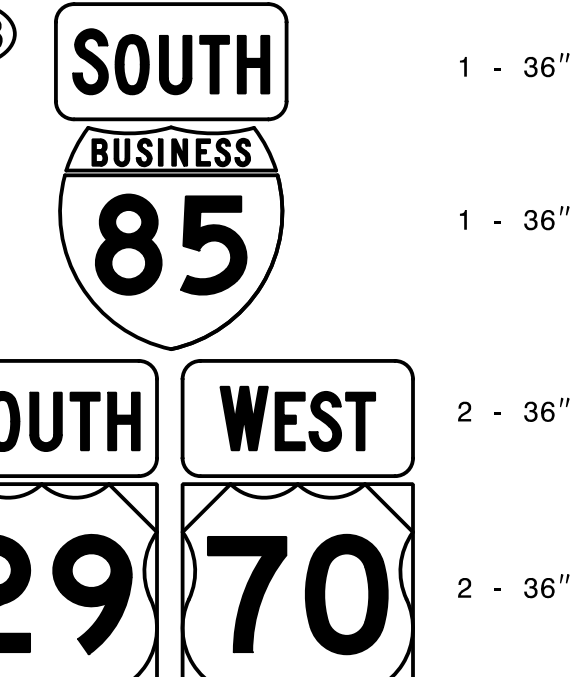
503



1 - 24" X 12"
1 - 24" X 24"
1 - 21" X 15"
2 - 24" X 12"
2 - 24" X 24"
2 - 21" X 15"

TWO "U" POSTS PER ASSEMBLY

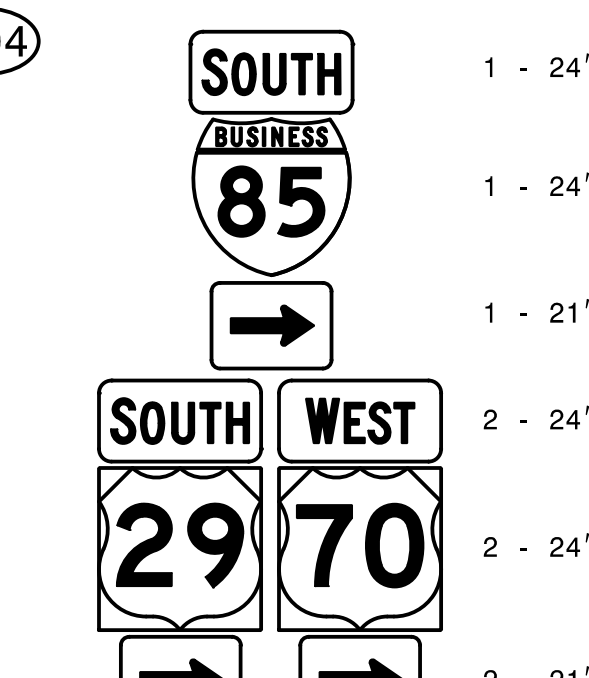
508



1 - 36" X 18"
1 - 36" X 36"
2 - 36" X 18"
2 - 36" X 36"

TWO "U" POSTS PER ASSEMBLY

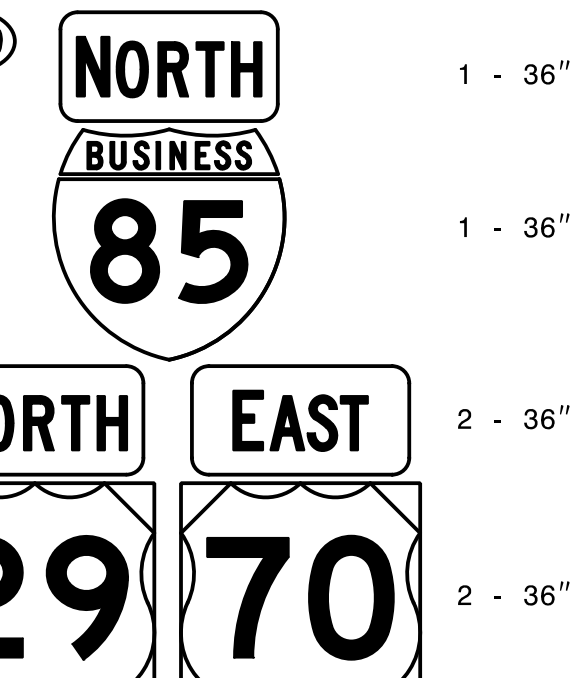
504



1 - 24" X 12"
1 - 24" X 24"
1 - 21" X 15"
2 - 24" X 12"
2 - 24" X 24"
2 - 21" X 15"

TWO "U" POSTS PER ASSEMBLY

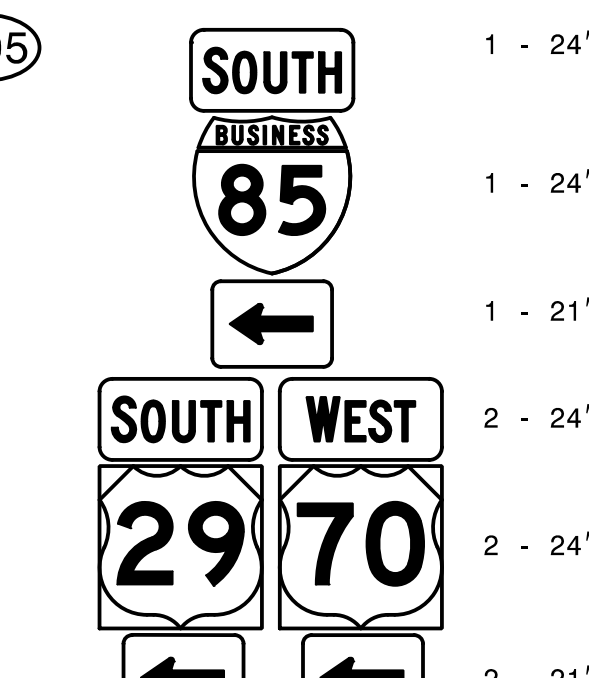
509



1 - 36" X 18"
1 - 36" X 36"
2 - 36" X 18"
2 - 36" X 36"

TWO "U" POSTS PER ASSEMBLY

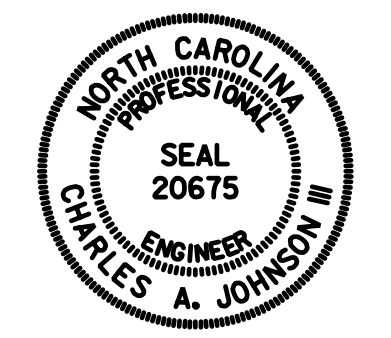
505

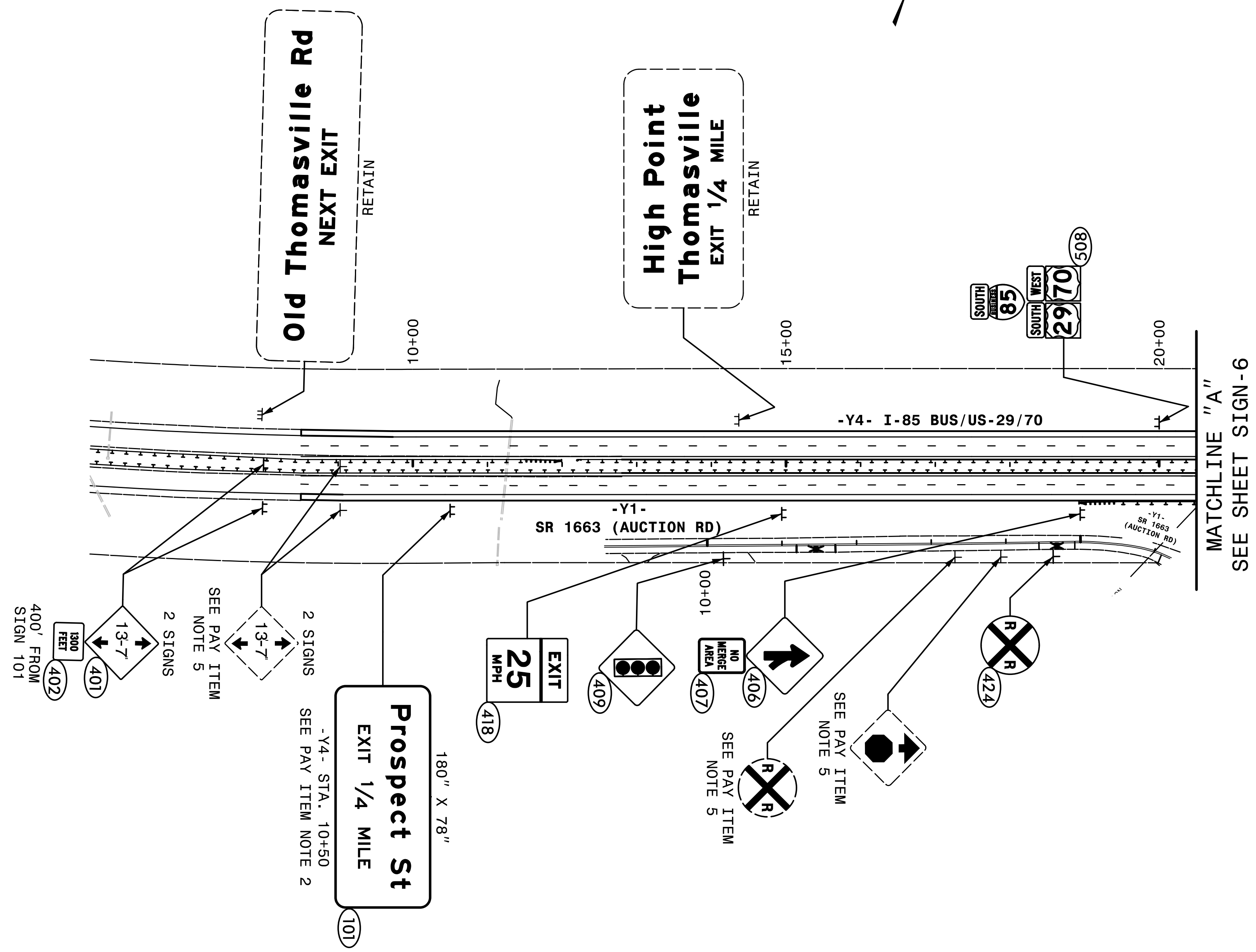


1 - 24" X 12"
1 - 24" X 24"
1 - 21" X 15"
2 - 24" X 12"
2 - 24" X 24"
2 - 21" X 15"

TWO "U" POSTS PER ASSEMBLY

TIP NO. B-5114	SHEET NO. SIGN-5
APPROVED: <u>Charles A. Johnson III</u> <small>DocuSigned by: 62A34B1AC09543B</small>	
DATE: <u>2/24/2015</u>	
SEAL	




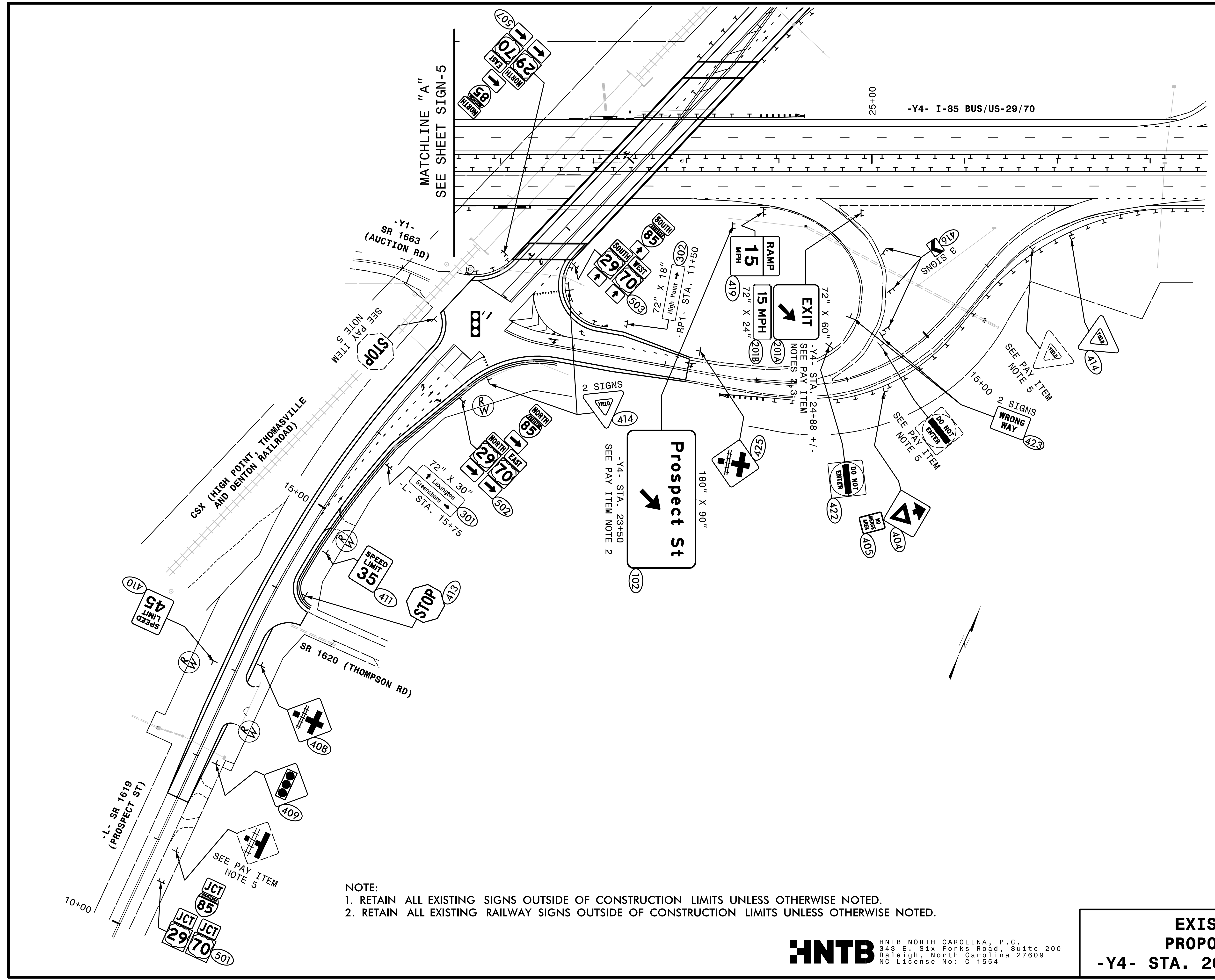


- NOTE:
1. RETAIN ALL EXISTING SIGNS OUTSIDE OF CONSTRUCTION LIMITS UNLESS OTHERWISE NOTED.
 2. RETAIN ALL EXISTING RAILWAY SIGNS OUTSIDE OF CONSTRUCTION LIMITS UNLESS OTHERWISE NOTED.

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**EXISTING AND
PROPOSED SIGNS**
-Y4- STA. 9+00 TO 20+50


TIP NO. B-5114	SHEET NO. SIGN-6
APPROVED: <u>Charles A. Johnson III</u> <small>DocuSigned by: Charles A. Johnson III 6243481AC08943B</small>	
DATE: 2/24/2015	
SEAL	
	

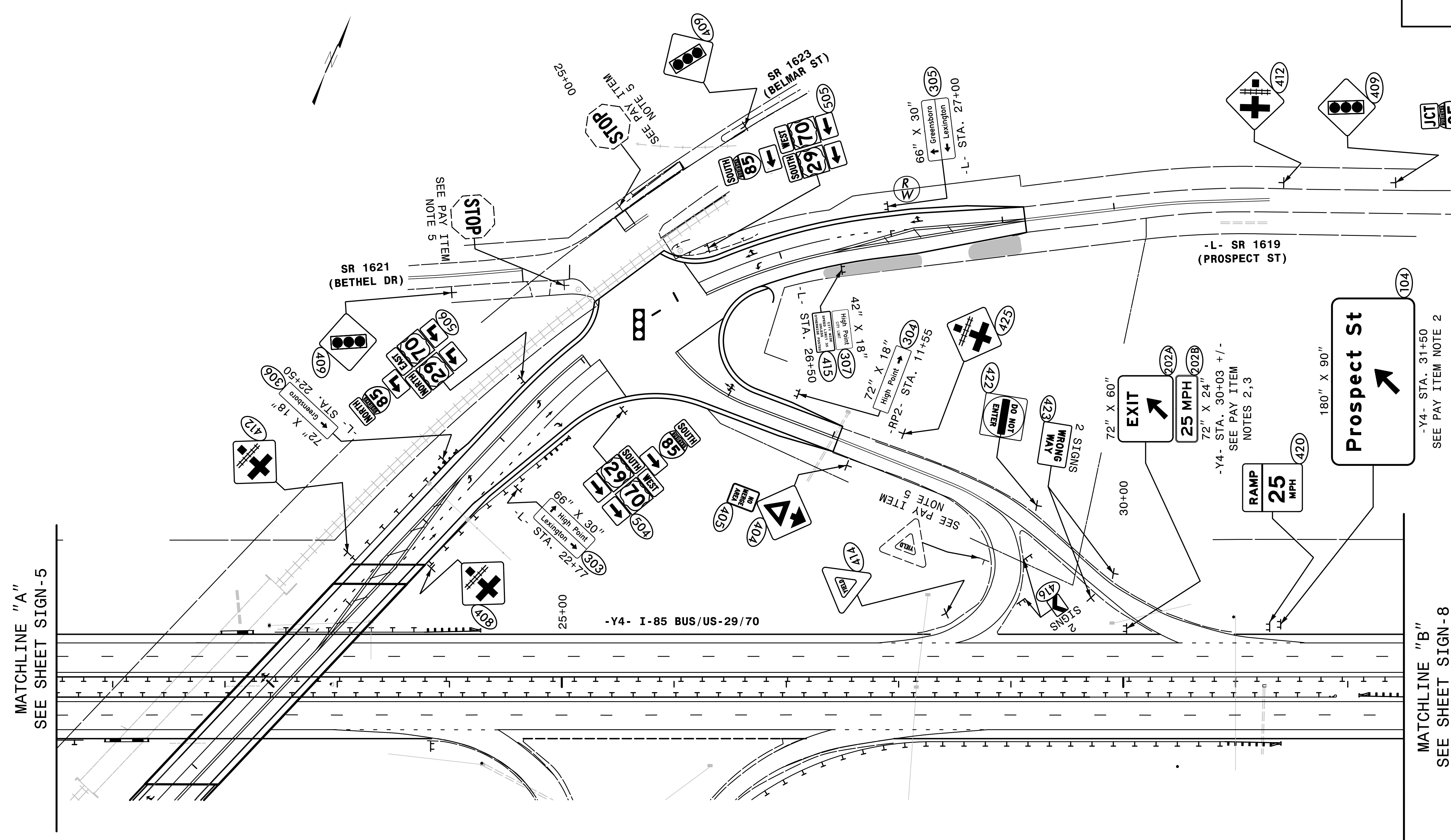


- NOTE:
1. RETAIN ALL EXISTING SIGNS OUTSIDE OF CONSTRUCTION LIMITS UNLESS OTHERWISE NOTED.
 2. RETAIN ALL EXISTING RAILWAY SIGNS OUTSIDE OF CONSTRUCTION LIMITS UNLESS OTHERWISE NOTED.

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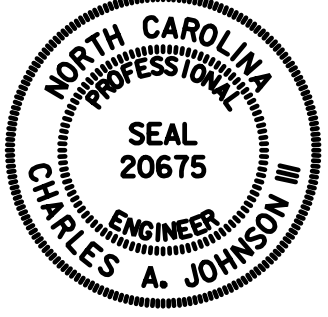
**EXISTING AND
 PROPOSED SIGNS**
-Y4- STA. 20+50 TO 28+50 NB

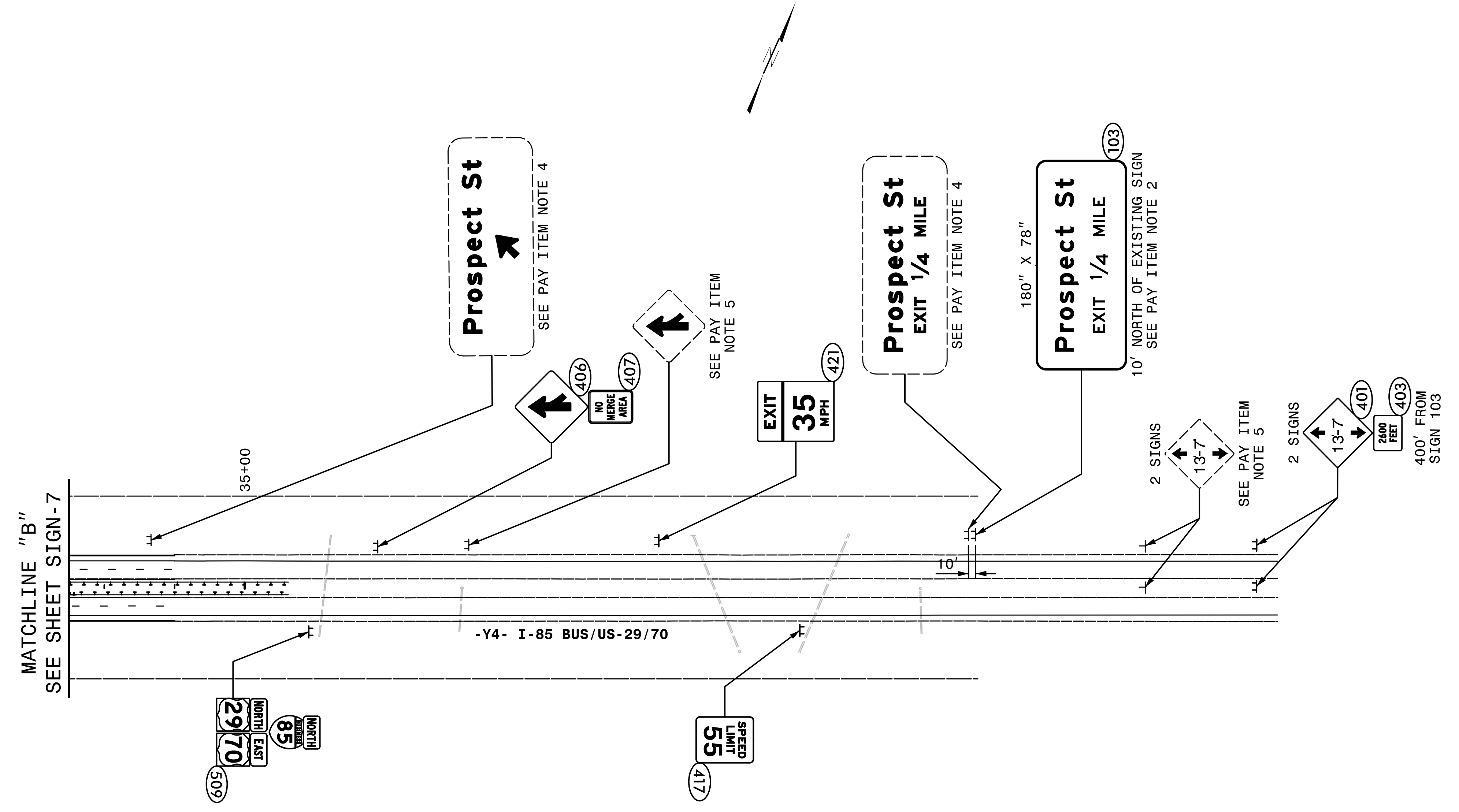
TIP NO. B-5114	SHEET NO. SIGN-7
APPROVED: <i>Charles A. Johnson III</i> 2/24/2015	
DATE: 2/24/2015	
SEAL	
	



MATCHLINE "A"
SEE SHEET SIGN-5

MATCHLINE "B"
SEE SHEET SIGN-8

TIP NO. B-5114	SHEET NO. SIGN-8
APPROVED: <u>Charles A. Johnson III</u> <small>DocuSigned by: 62A34B1AC09543B</small>	
DATE: <u>2/24/2015</u>	
SEAL	
	



NOTE:
 1. RETAIN ALL EXISTING SIGNS OUTSIDE OF CONSTRUCTION LIMITS UNLESS OTHERWISE NOTED.
 2. RETAIN ALL EXISTING RAILWAY SIGNS OUTSIDE OF CONSTRUCTION LIMITS UNLESS OTHERWISE NOTED.

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**EXISTING AND
 PROPOSED SIGNS**
-Y4- STA. 32+50 TO 49+50