

	TIP NO. X-0002BB	SHEET NO. SIGN-1
APPROVED: <i>[Signature]</i>		
DATE: 5/31/12		
SEAL		

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLANS  
CUMBERLAND COUNTY**

**LOCATION: FAYETTEVILLE OUTER LOOP FROM WEST OF NC 24 /NC 87  
TO NC 210 (MURCHISON ROAD)**

**T.I.P.: X-0002BB**

**CONTRACT: C202948**

**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 JULY 2006 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 SHEET 1 OF 3
903.10	GROUND MOUNTED SIGN SUPPORTS SHEET 3 OF 3
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

**GENERAL NOTES**

- SIGNS FURNISHED BY STATE
- ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- SIGNING PLANS DO NOT INCLUDE TEMPORARY CONSTRUCTION SIGNING OR PAVEMENT MARKINGS. SEE TRAFFIC CONTROL PLANS.
- WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- 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 PREPARED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT**

**A. I. ALQUDWAH, P.E.** SIGNING & DELINEATION REGIONAL ENGINEER


**D. M. EATON** SIGNING & DELINEATION PROJECT DESIGN ENGINEER

**SUMMARY OF QUANTITIES**

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	11	C.M.
4057000000	SP	OVERHEAD FOOTING	138	C.M.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	2208	KG.
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM	1025	KG.
4072000000	903	SUPPORTS, 4.5 KG STEEL U-CHANNEL	377	L.M.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION "15+90 -Y2-"	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION "19+70 -Y2-"	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION "18+00 -Y2-"	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION "12+50 -LP2B-"	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION "41+02 -COL2-"	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION "51+70 -CDR-"	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION "51+53 -L-"	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION "55+48 -L-"	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION "19+00 -FLYOVER-"	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION "23+50 -Y1-"	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION "28+60 -Y1-"	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION "32+00 -Y1-"	1	L.S.
4096000000	904	SIGN ERECTION, TYPE D	1	EA.
4102000000	904	SIGN ERECTION, TYPE E	41	EA.
4108000000	904	SIGN ERECTION, TYPE F	5	EA.
4109000000	904	SIGN ERECTION, TYPE A (OVERHEAD)	1	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	11	EA.

**INDEX**

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET, NOTES, AND QUANTITIES
SIGN-1A	REVISED ROADWAY STANDARD DRAWING 903.10 SHEET 2 OF 3
SIGN-2	GROUND MOUNTED SIGN SUPPORT INFORMATION
SIGN-2A thru 2M	OVERHEAD SIGN STRUCTURE DETAILS
SIGN-3 thru 3H	SIGN DESIGNS
SIGN-3I thru 3J	SIGN TYPE E AND F SHEETS
SIGN-4 thru 14	SIGN DETAIL SHEETS

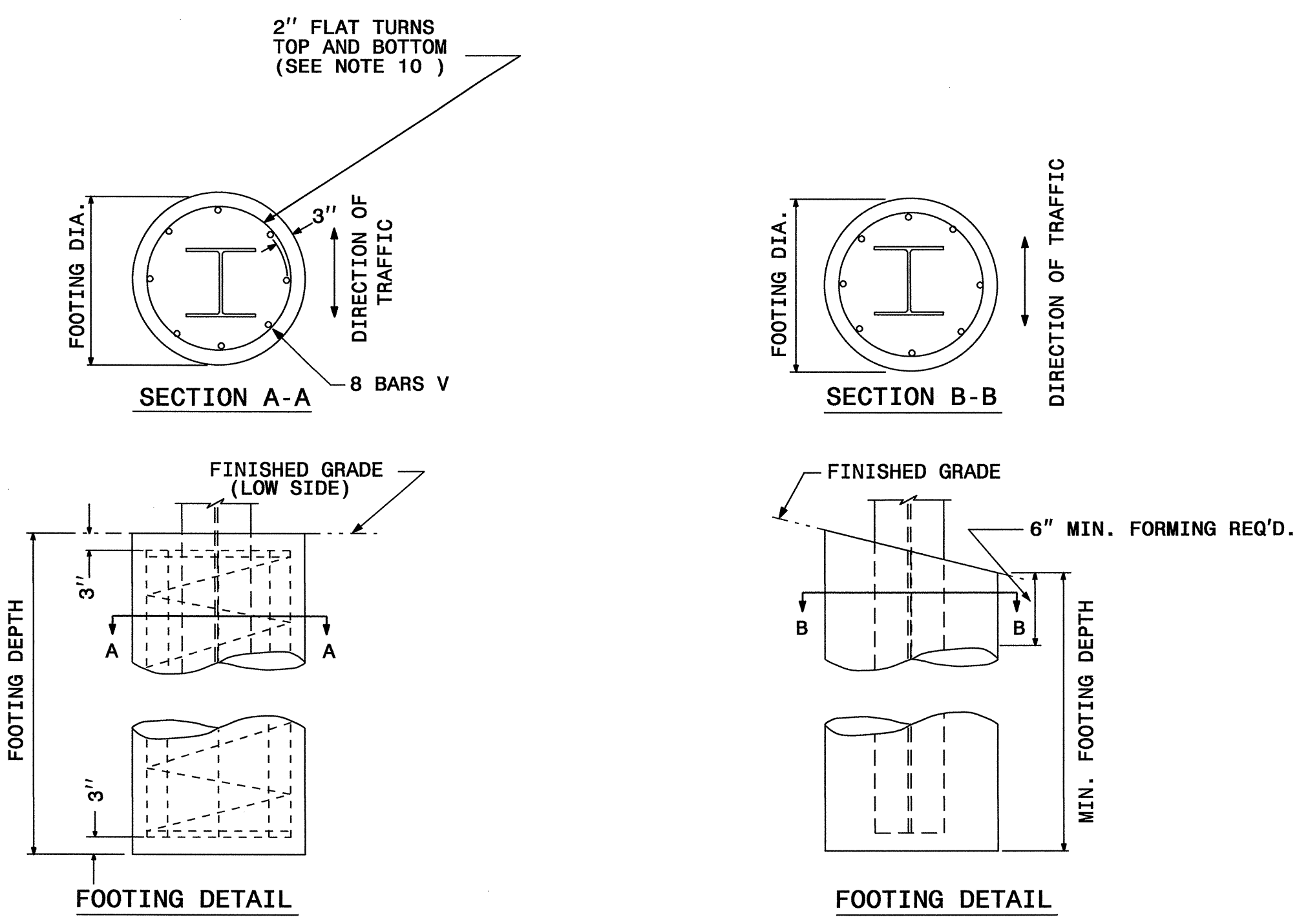
TIP NO.	SHEET NO.
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STATE OF NORTH CAROLINA  
 DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH, N.C.

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

SHEET 2 OF 3  
**903.10**

BEAM SHAPE	BOLT SIZE	SLIP BASE PLATE DATA							KEEPER PLATE DATA							HINGE CONNECTION DATA							BREAK AWAY SUPPORT WEIGHT CONSTANT LBS.			
		A <sub>1</sub>	B <sub>1</sub>	C <sub>1</sub>	D <sub>1</sub>	E <sub>1</sub>	T <sub>1</sub>	R <sub>1</sub>	A <sub>2</sub>	B <sub>2</sub>	C <sub>2</sub>	D <sub>2</sub>	E <sub>2</sub>	R <sub>2</sub>	T <sub>2</sub>	BOLT SIZE	F	G	H	I	J	K		L	R <sub>3</sub>	T <sub>3</sub>
S3X5.7	1/2" DIA. X 3"	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 1/4"	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"	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 1/4"	2 5/8"	3 1/2"	4"	1/2"	1"	1/2"	2"	9/32"	3/8"	20
W6X9	1/2" DIA. X 3"	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 1/4"	4"	3 1/2"	4"	3/4"	1"	1/2"	2"	9/32"	3/8"	32
W6X12	5/8" DIA. X 3 3/4"	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 1/4"	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 3 3/4"	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 1/2"	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 1/4"	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 1/2"	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 1/4"	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 3/4"	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 1/4"	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 3/4"	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 4 3/4"	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 4 3/4"	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 5"	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 5"	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 1/4"	5 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 1/32"	3/4"	223
W18X35	1" DIA. X 5"	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 1/4"	6"	7"	8"	1 1/4"	2"	1"	4"	1 1/32"	3/4"	243
W18X40	1" DIA. X 5 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 3/4"	6"	7"	8"	1 1/4"	2"	1"	4"	1 1/32"	7/8"	278
W21X44	1" DIA. X 5 1/2"	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 3/4"	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

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

SHEET 2 OF 3  
**903.10**



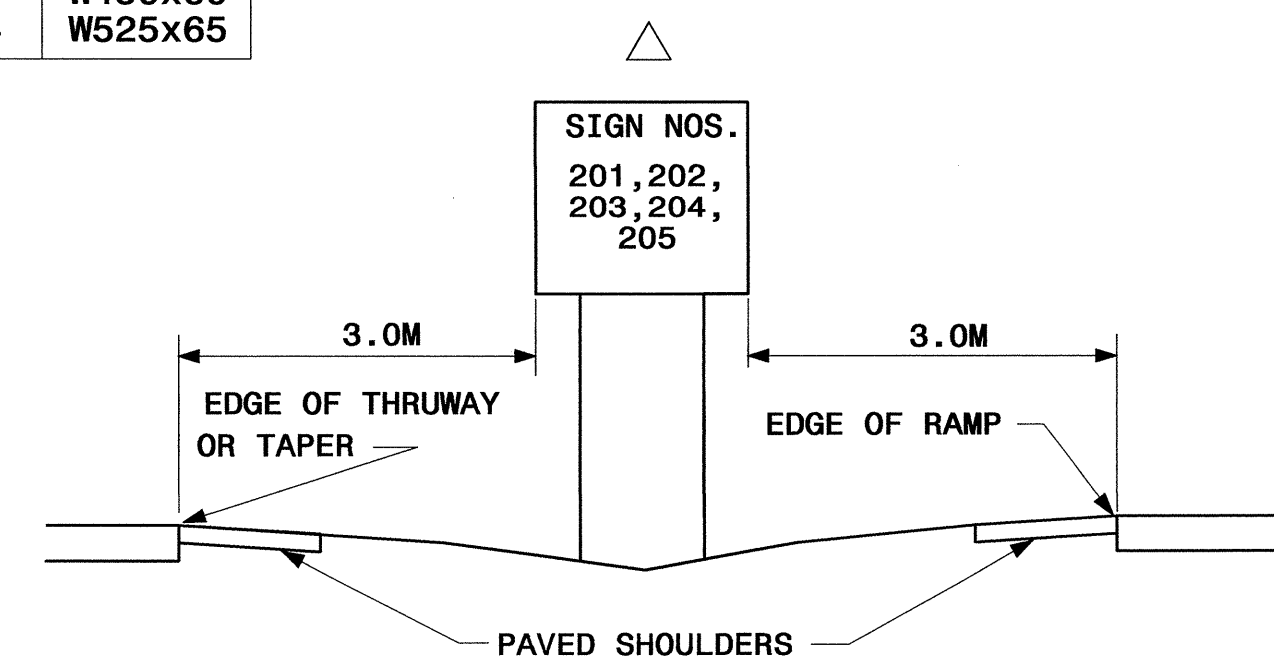
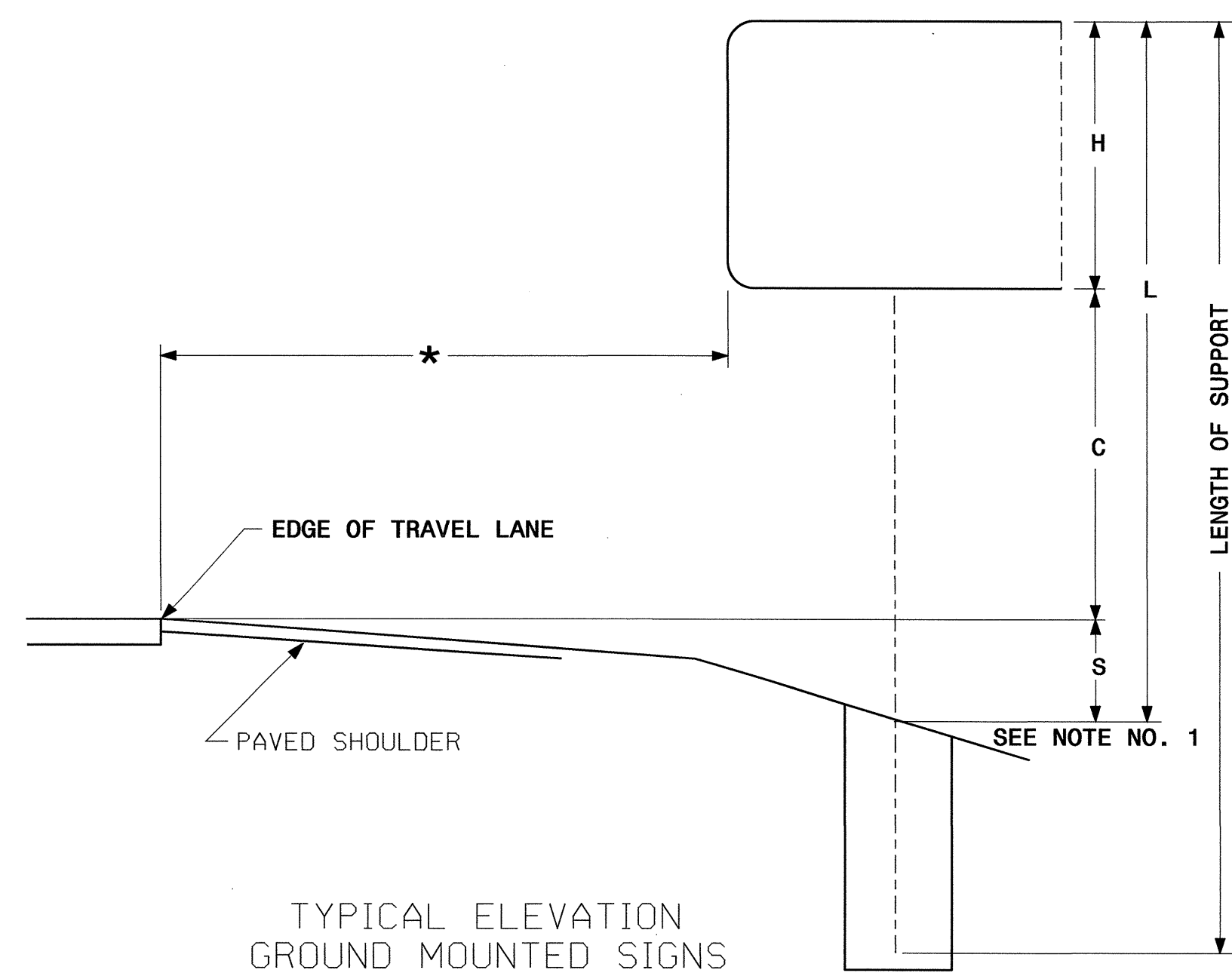
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## TYPE "A" AND TYPE "B" GROUND MOUNTED SIGNS

SIGN NO.	SIGN TYPE	SIGN SIZE (mm) w x h	ROADWAY STATION	NO. OF SUP.	BEAM SECTION	SUPPORT TYPE BA or S	ATTACH METHOD	MOUNTING METHOD	HORIZ. CLR. (m)	LENGTH (m)				LEFT SUPPORT (m)			CENTER SUPPORT (m)			RIGHT SUPPORT (m)			FOOTING DIAMETER (m)	FOOTING DEPTH (m)	B/A SUPPORT WEIGHTS (kg)	SIMPLE SUPPORT WEIGHTS (kg)	REINF. FTGS. (c.m.)	PLAIN FTGS. (c.m.)	FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)							
										SNS HT	MTG HT	EMBED-MENT	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH															
101	A	4500 X2500	11+90 Y2	2	W150x24	BA	N/A	N/A	6.10	2.50	2.13	1.68	0.72	5.35	7.03	0.00	0.00	0.00	0.93	5.57	7.24	0.6096	1.8288	399.80	0.00	1.07	0.00									
102	A	4500 X2500	23+20 Y2	2	W150x24	BA	N/A	N/A	2.40	2.50	2.30	1.52	-0.16	4.63	6.16	0.00	0.00	0.00	0.22	5.01	6.54	0.6096	1.6764	362.30	0.00	0.98	0.00									
103	A	5600 X1500	46+20 CDR	3	W150x24	S	N/A	N/A	5.20	1.50	2.13	1.37	0.57	4.20	5.58	1.23	4.87	6.24	1.90	5.53	6.90	0.6096	1.524	0.00	445.56	1.33	0.00									
104	A	5600 X2200	15+85 FLYOVER	3	W200x27	S	N/A	N/A	5.40	2.20	2.13	1.52	0.68	5.01	6.54	1.34	5.68	7.20	2.01	6.34	7.86	0.762	1.6764	0.00	578.73	2.29	0.00									
105	A	4500 X3000	20+50 Y1	2	W200x27	BA	N/A	N/A	6.10	3.00	2.13	1.68	0.69	5.83	7.50	0.00	0.00	0.00	0.85	5.99	7.66	0.762	1.8288	479.76	0.00	1.67	0.00									
106	A	4500 X3000	33+50 Y1	2	W150x24	BA	N/A	N/A	1.35	3.00	2.37	1.68	-0.15	5.22	6.90	0.00	0.00	0.00	-0.23	5.13	6.81	0.6096	1.8288	386.44	0.00	1.07	0.00									
201	A	2700 X1500	40+20 COL2	2	S100x11	BA	N/A	N/A	3.05	1.50	2.13	1.07	0.15	3.78	4.85	0.00	0.00	0.00	0.15	3.78	4.85	0.4572	1.2192	129.58	0.00	0.40	0.00									
202	A	4200 X1500	48+20 COL2	2	W150x13	BA	N/A	N/A	3.05	1.50	2.13	1.22	0.15	3.78	5.00	0.00	0.00	0.00	0.15	3.78	5.00	0.4572	1.3716	162.64	0.00	0.45	0.00									
203	A	1800 X1500	11+88 RPCDR	2	S75x85	BA	N/A	N/A	3.05	1.50	2.13	0.91	0.15	3.78	4.70	0.00	0.00	0.00	0.15	3.78	4.70	0.4572	1.0668	95.82	0.00	0.35	0.00									
204	A	1800 X1500	11+26 RPC	2	S75x85	BA	N/A	N/A	3.05	1.50	2.13	0.91	0.15	3.78	4.70	0.00	0.00	0.00	0.15	3.78	4.70	0.4572	1.0668	95.82	0.00	0.35	0.00									
205	A	1800 X1500	24+70 Y1	2	S75x85	BA	N/A	N/A	3.05	1.50	2.13	0.91	0.15	3.78	4.70	0.00	0.00	0.00	0.15	3.78	4.70	0.4572	1.0668	95.82	0.00	0.35	0.00									
																						TOTAL	TOTAL	TOTAL	TOTAL											
																						2207.99	1024.29	10.31	0.00											
USE:																						2208	1025	11	0											

### Beam Sizes English To Metric Equivalents

English	Metric
S3x5.7	S75x85
S4x7.7	S100x11
W6x9	W150x13
W6x12	W150x18
W6x16	W150x24
W8x18	W200x27
W8x21	W200x31
W10x22	W250x33
W10x26	W250x39
W12x26	W300x39
W14x30	W350x45
W16x31	W400x46
W18x35	W450x52
W18x40	W450x60
W21x44	W525x65



### 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.

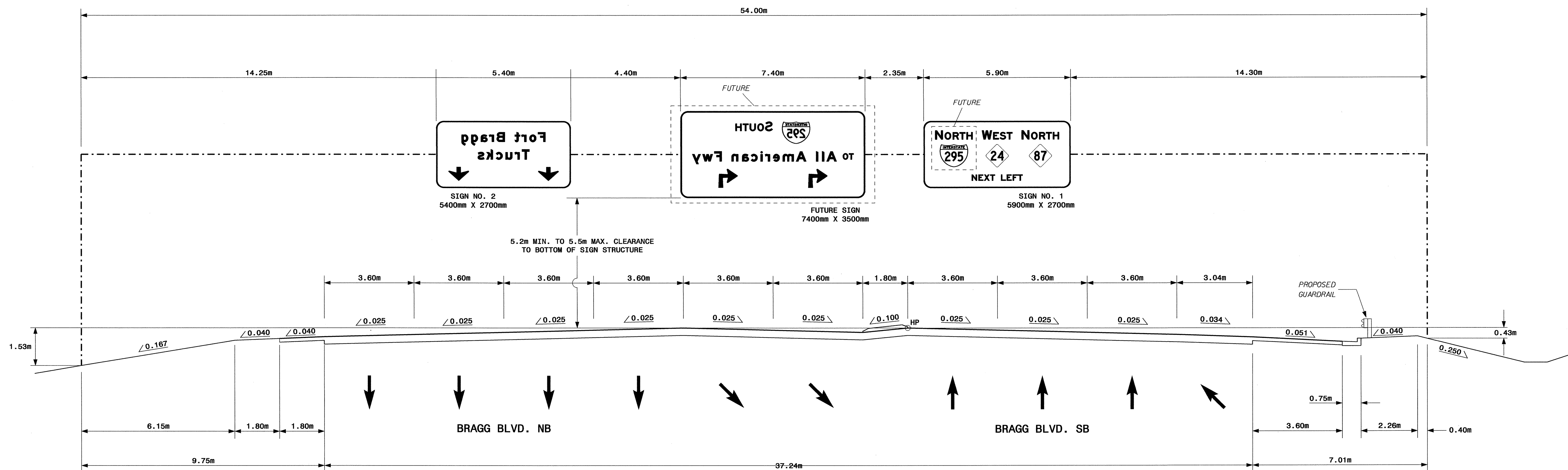
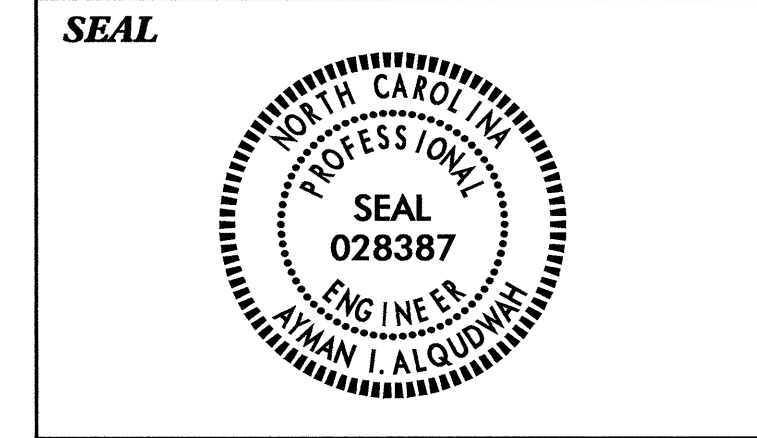
# SUPPORTS





STATE	PROJECT NO.	SHEET NO.	TOTAL SHTS.
N. C.	X-0002BB	SIGN-2A	

APPROVED: *[Signature]*  
 DATE: 5/31/12



**NOTES:**

- IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
- MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
- FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.
- THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 0.1 METER AND NOT MORE THAN 0.6 METER ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
- SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
- DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 161 K.P.H.

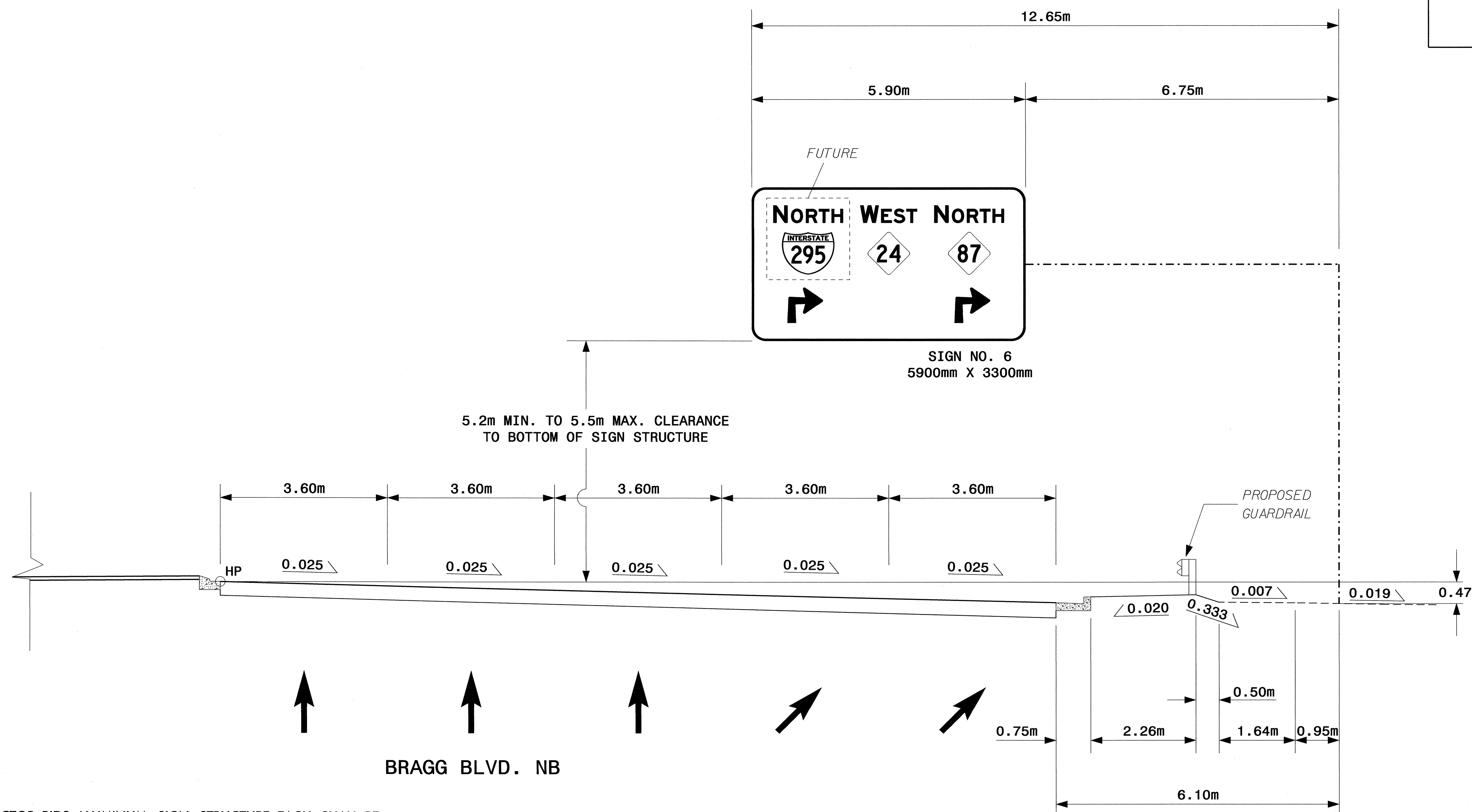
**OVERHEAD SIGN ASSEMBLY  
 AT STA. 15+90 -Y2-**





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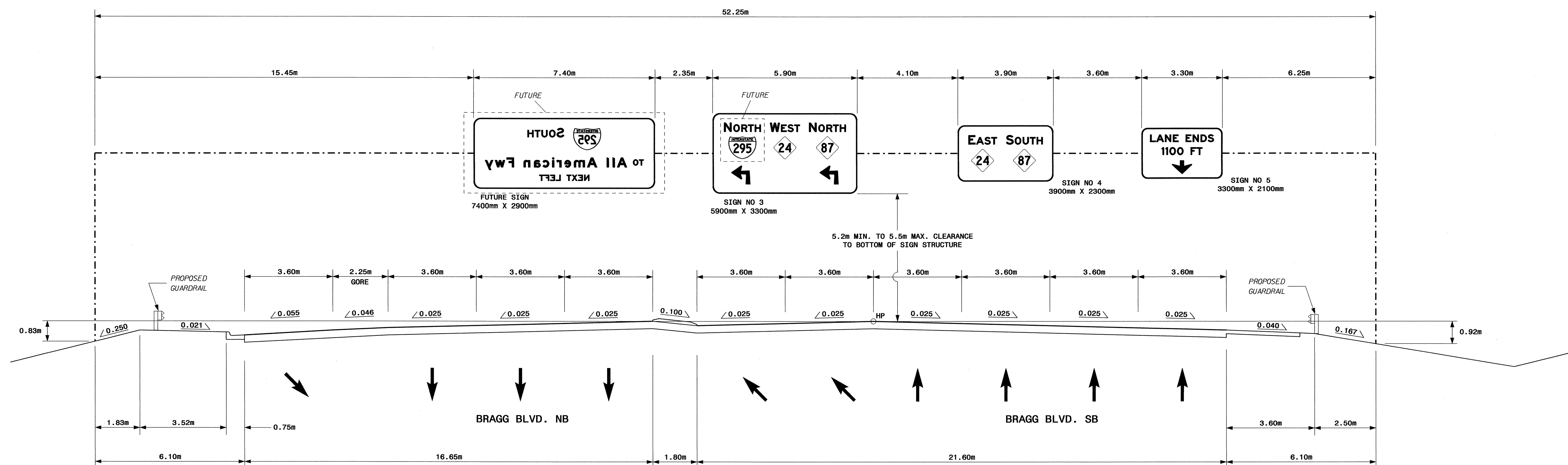
- IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
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- SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
- DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 161 K.P.H.

OVERHEAD SIGN ASSEMBLY  
AT STA. 19+70 -Y2-



STATE	PROJECT NO.	SHEET NO.	TOTAL SHTS.
N.C.	X-0002BB	SIGN-2C	
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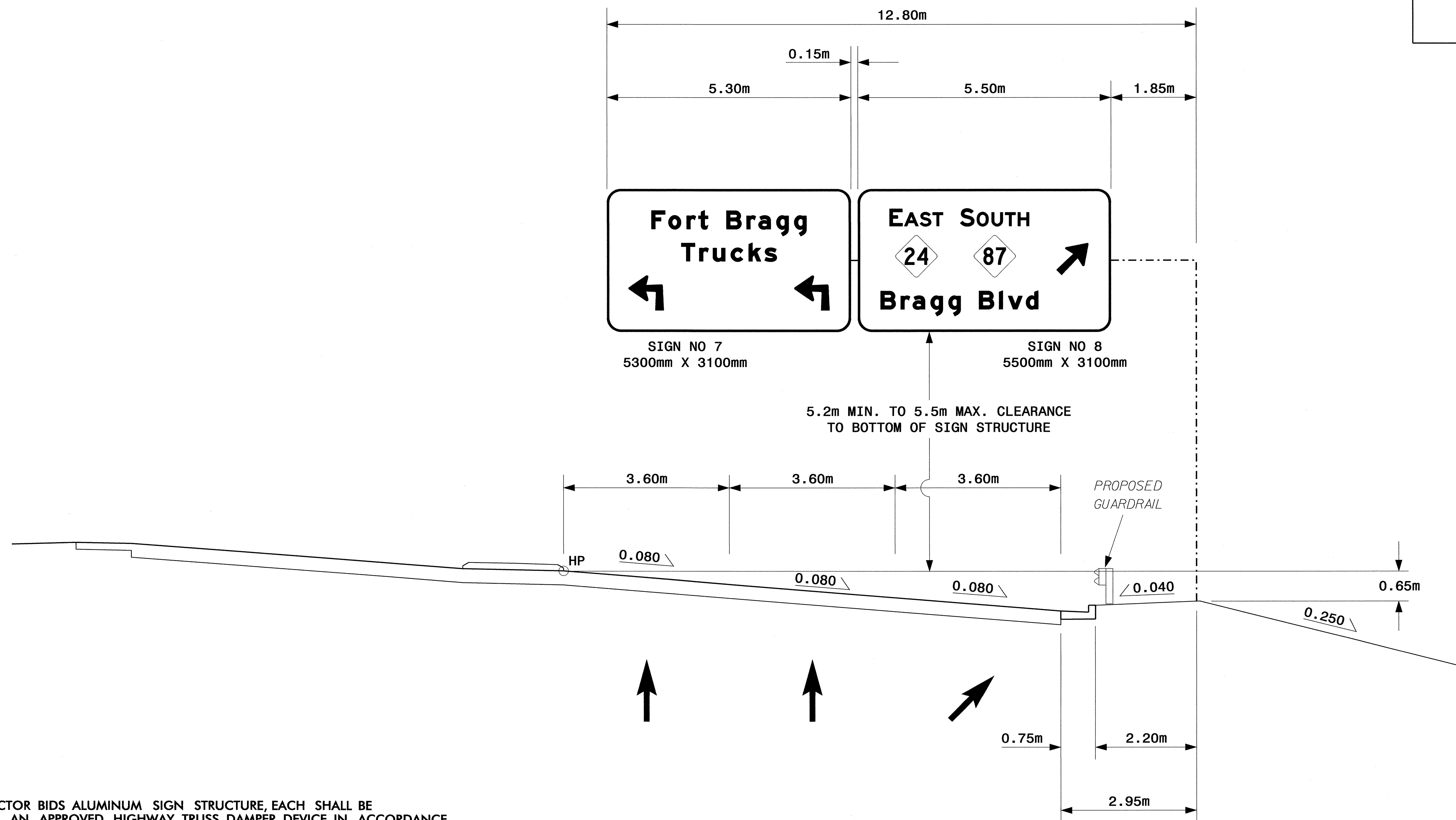
1. IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
2. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
3. FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.
4. THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 0.1 METER AND NOT MORE THAN 0.6 METER ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
5. SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
6. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 161 K.P.H.

**OVERHEAD SIGN ASSEMBLY  
AT STA. 18+00 -Y2-**



STATE	PROJECT NO.	SHEET NO.	TOTAL SHTS.
N.C.	X-0002BB	SIGN-2D	

APPROVED: *[Signature]*  
 DATE: 5/31/12



**NOTES:**

1. IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
2. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
3. FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.
4. THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 0.1 METER AND NOT MORE THAN 0.6 METER ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
5. SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
6. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 161 K.P.H.

OVERHEAD SIGN ASSEMBLY  
 AT STA. 12+50 -LP2B-

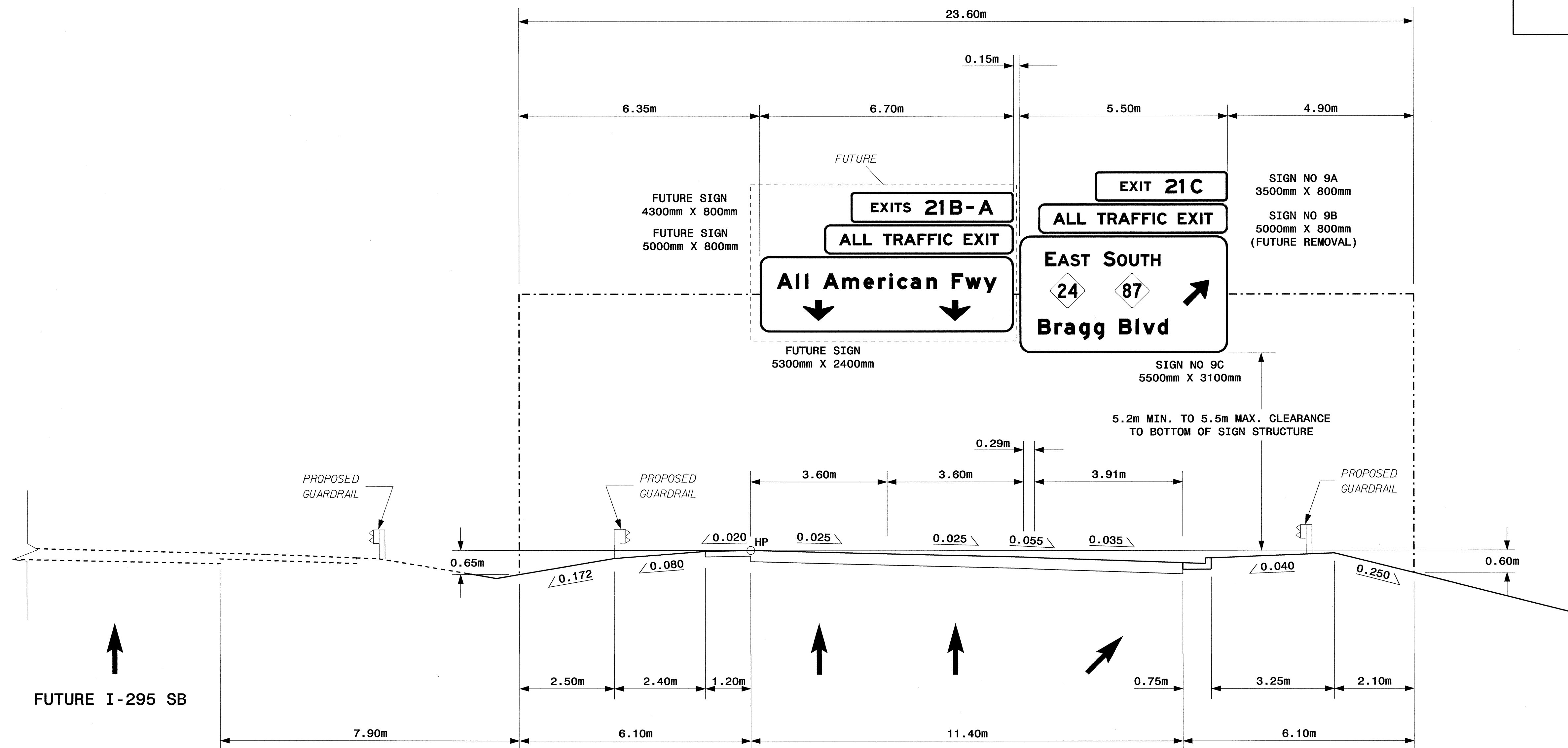




STATE	PROJECT NO.	SHEET NO.	TOTAL SHTS.
N.C.	X-0002BB	SIGN-2E	

APPROVED: *[Signature]*  
 DATE: 5/3/12

SEAL



NOTES:

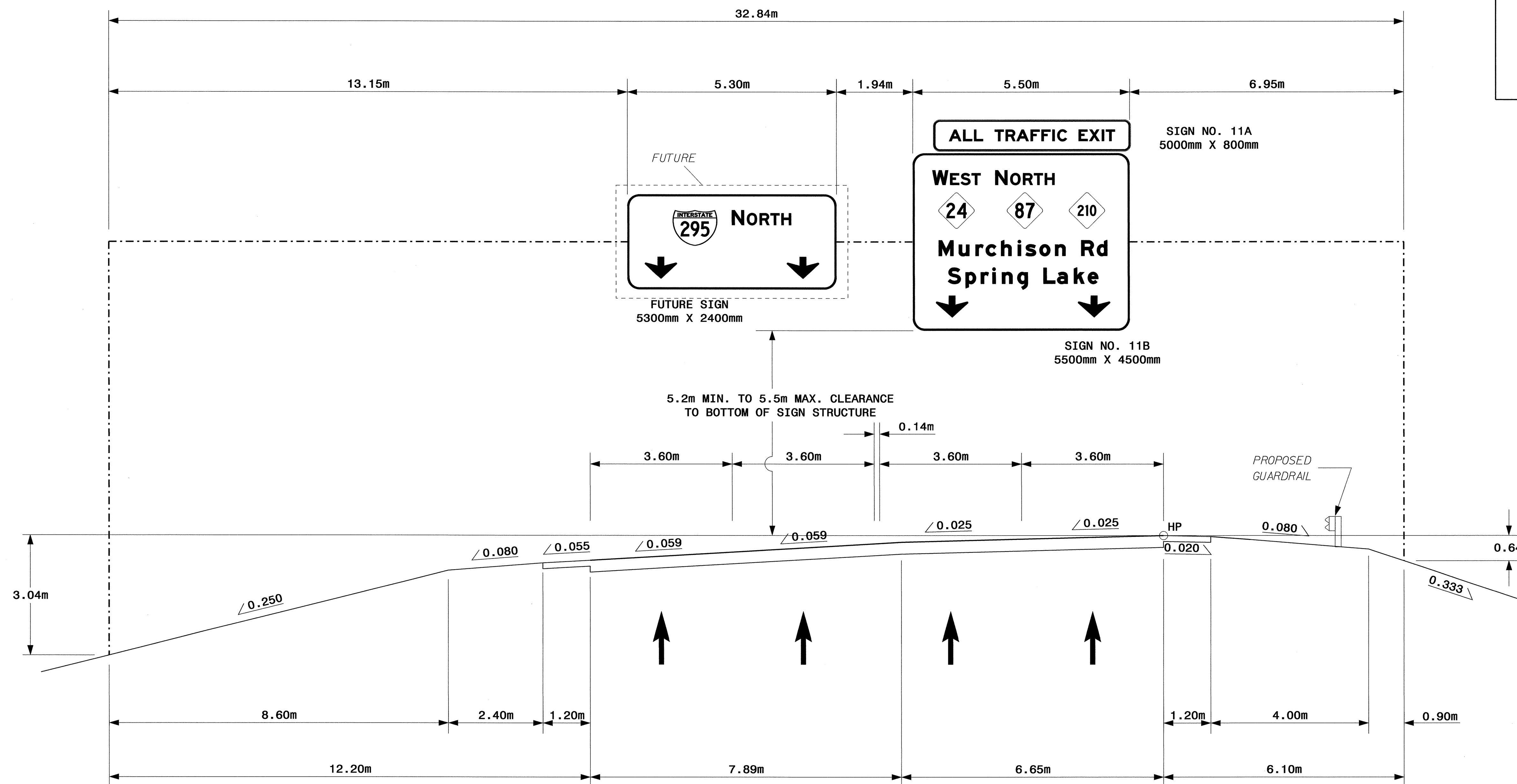
- IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
- MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
- FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.
- THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 0.1 METER AND NOT MORE THAN 0.6 METER ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
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- DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 161 K.P.H.

OVERHEAD SIGN ASSEMBLY  
 AT STA. 41+02 -COL2-



STATE	PROJECT NO.	SHEET NO.	TOTAL SHTS.
N.C.	X-0002BB	SIGN-2F	
APPROVED: <i>[Signature]</i>			
DATE: 5/31/12			

SEAL



NOTES:

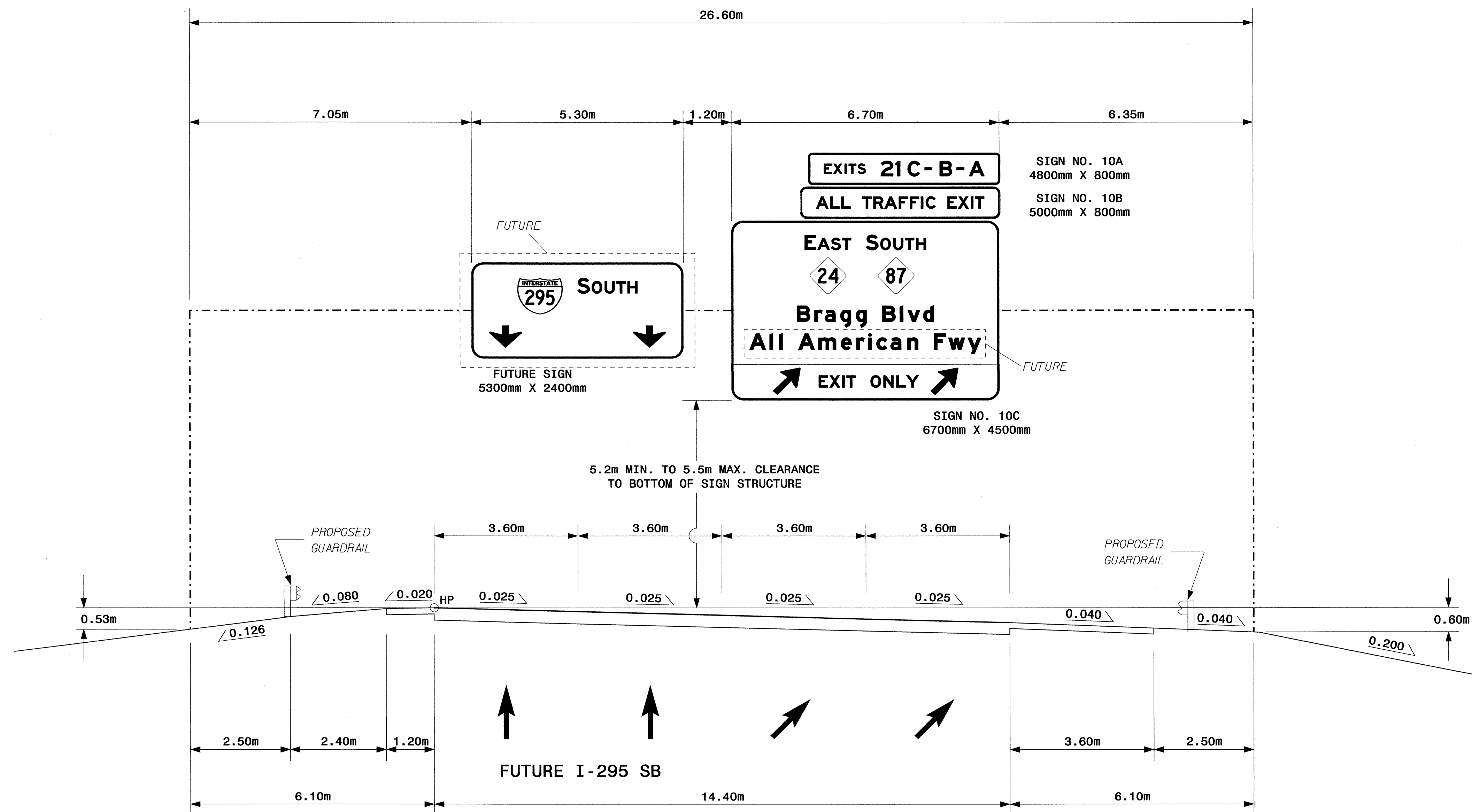
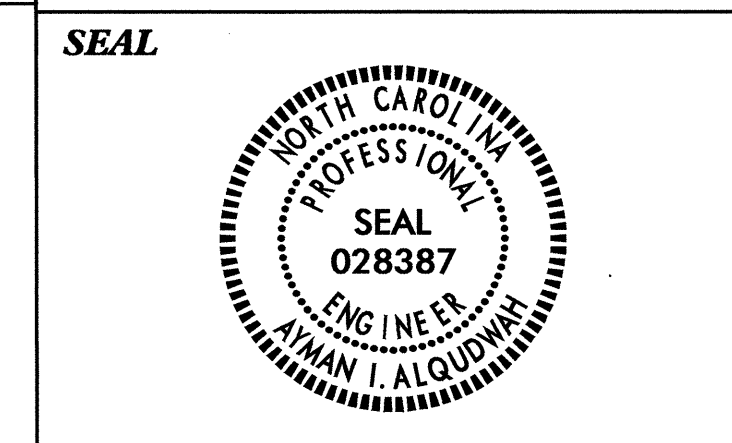
1. IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
2. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
3. FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.
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6. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 161 K.P.H.

OVERHEAD SIGN ASSEMBLY  
AT STA. 51+70 -CDR-



STATE	PROJECT NO.	SHEET NO.	TOTAL SHTS.
N.C.	X-0002BB	SIGN-2G	

APPROVED: *[Signature]*  
 DATE: 5/31/12



NOTES:

- IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
- MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
- FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.
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- DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 161 K.P.H.

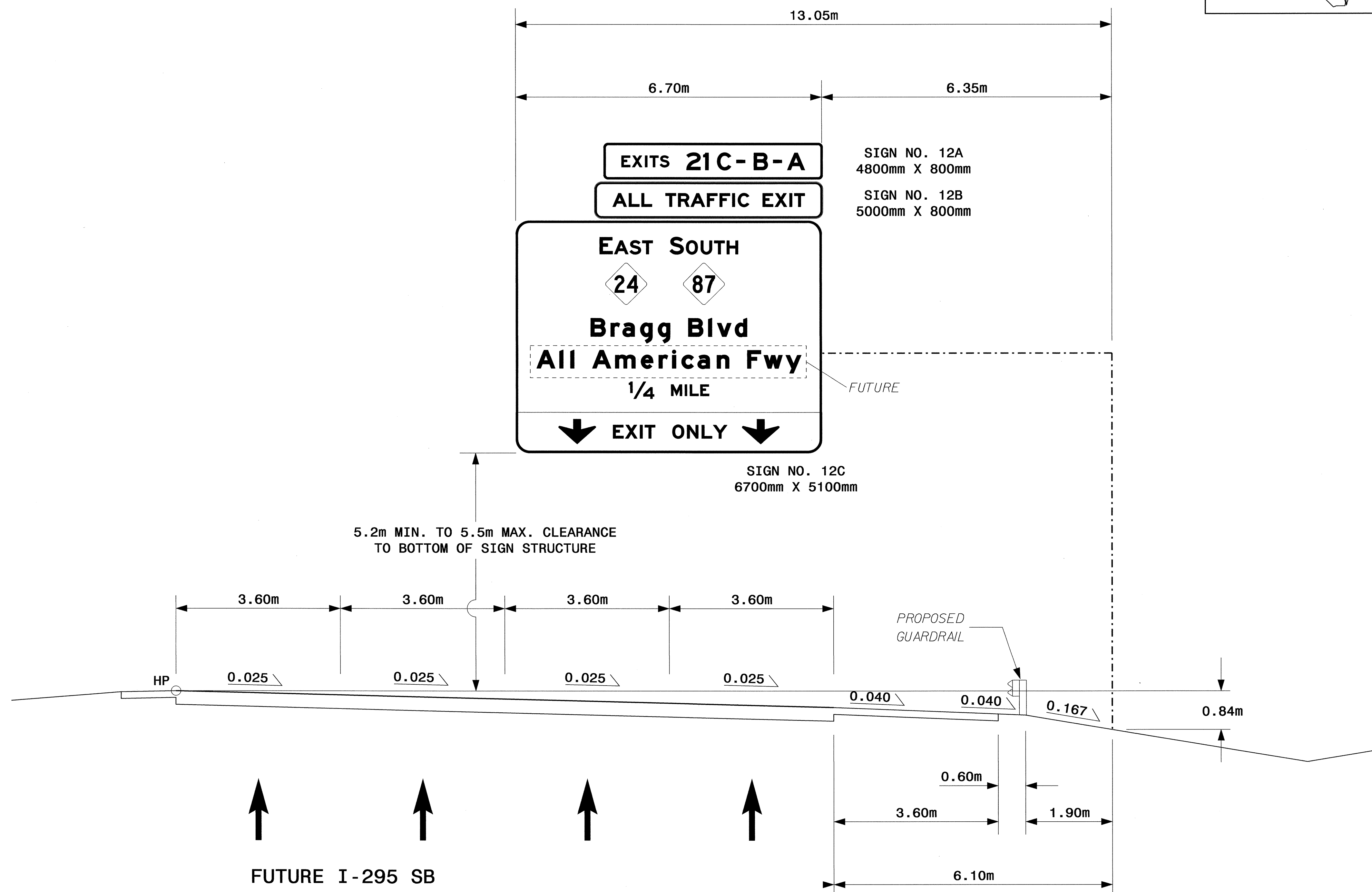
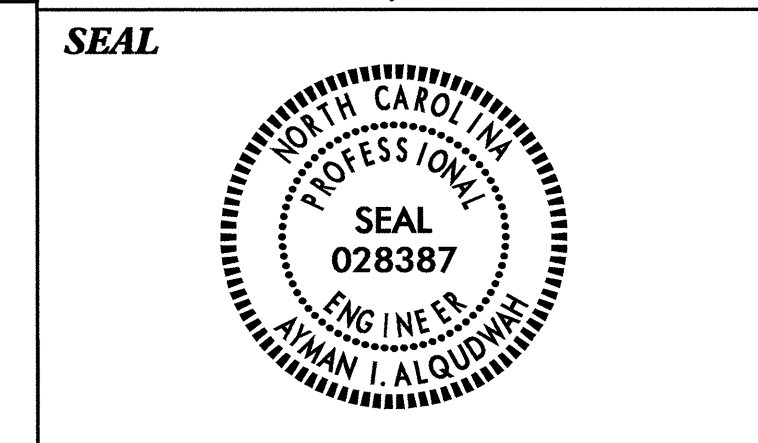
OVERHEAD SIGN ASSEMBLY  
 AT STA. 51+53 -L-





STATE	PROJECT NO.	SHEET NO.	TOTAL SHTS.
N.C.	X-0002BB	SIGN-2H	

APPROVED: *[Signature]*  
 DATE: 5/31/12



NOTES:

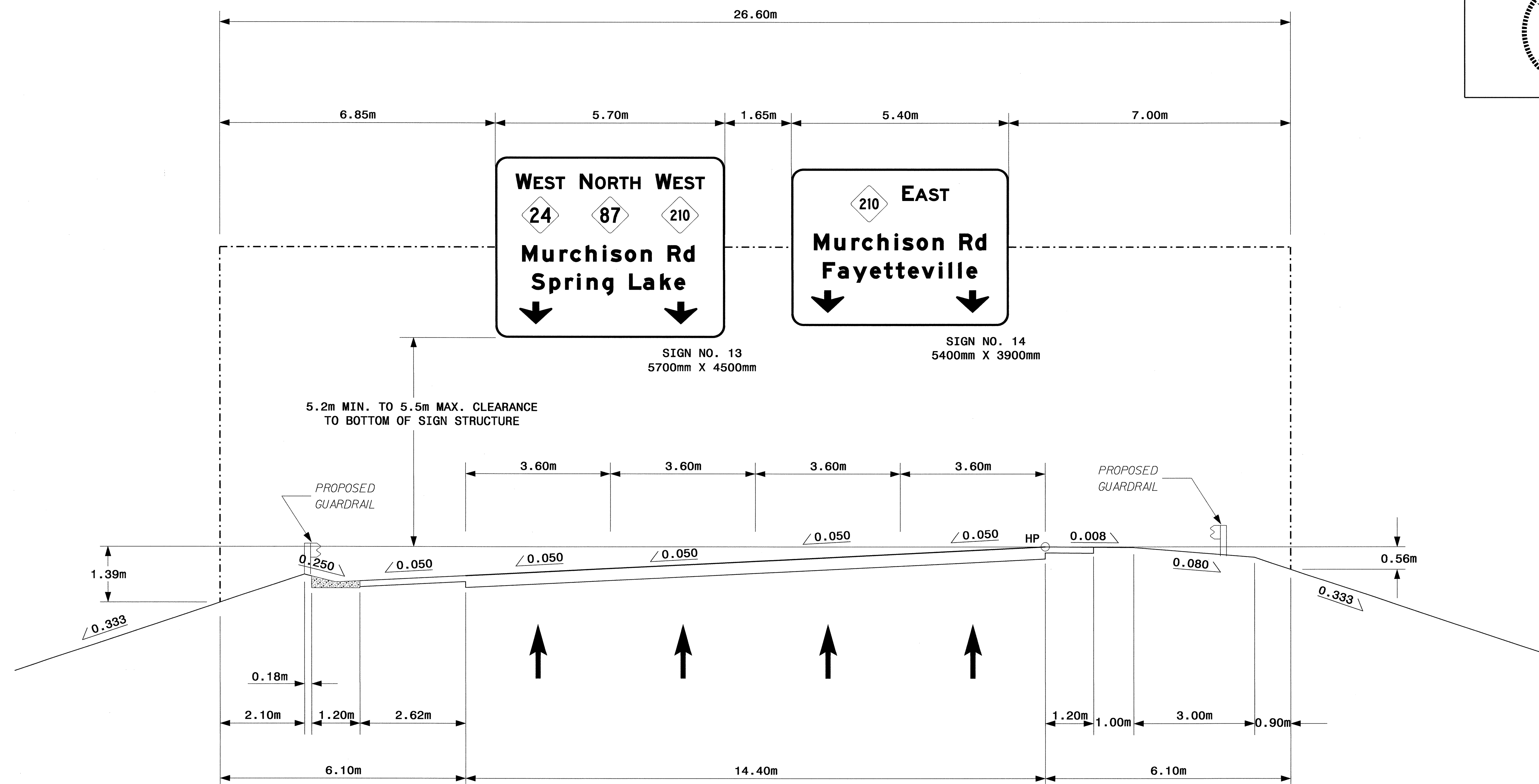
- IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
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- DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 161 K.P.H.

OVERHEAD SIGN ASSEMBLY  
 AT STA. 55+48 -L-



STATE	PROJECT NO.	SHEET NO.	TOTAL SHTS.
N.C.	X-0002BB	SIGN-2I	
APPROVED: <i>[Signature]</i>			
DATE: 5/31/12			

SEAL



NOTES:

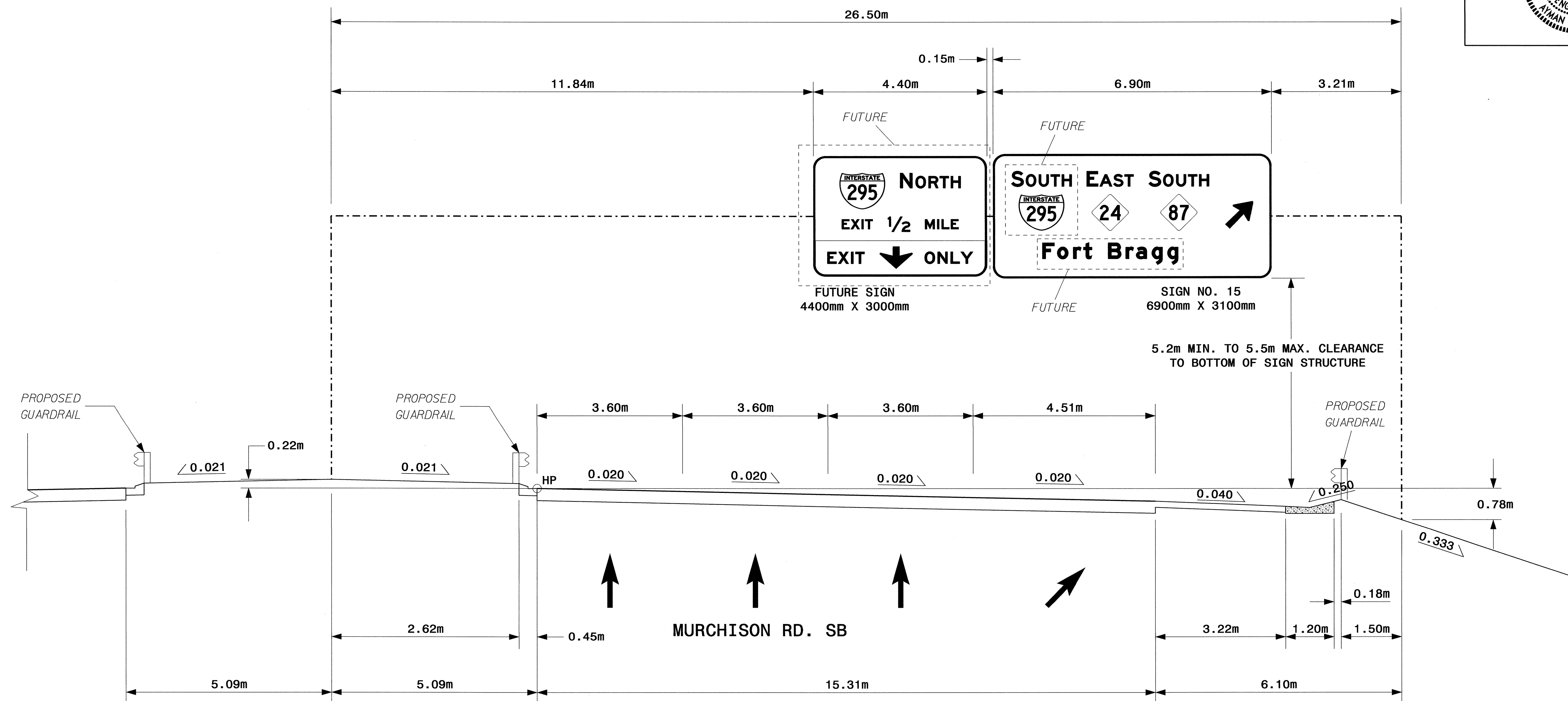
1. IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
2. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
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6. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 161 K.P.H.

OVERHEAD SIGN ASSEMBLY  
AT STA. 19+00 -FLYOVER-



STATE	PROJECT NO.	SHEET NO.	TOTAL SHTS.
N.C.	X-0002BB	SIGN-2J	
APPROVED: <i>[Signature]</i>			
DATE: 5/31/12			

SEAL



NOTES:

- IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
- MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
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- DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 161 K.P.H.

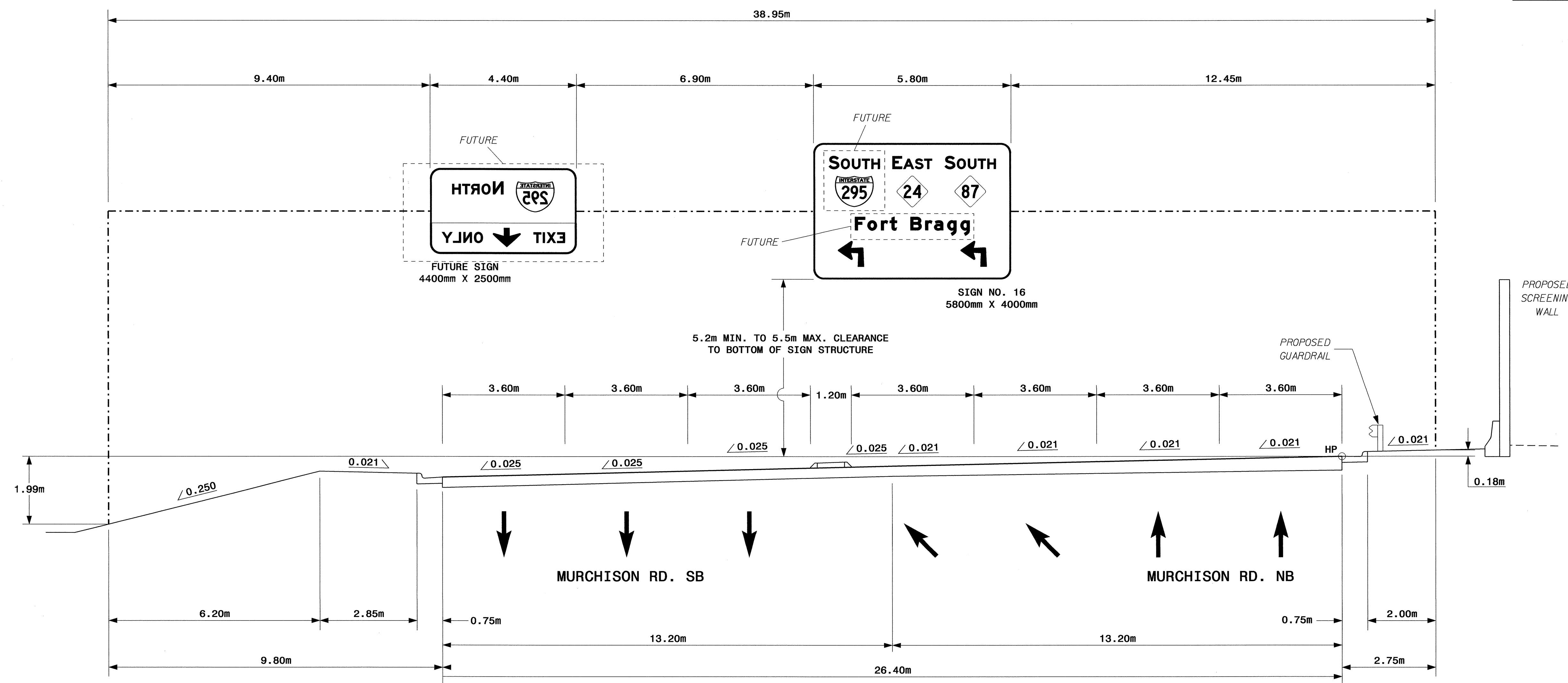
OVERHEAD SIGN ASSEMBLY  
AT STA. 23+50 -Y1-





STATE	PROJECT NO.	SHEET NO.	TOTAL SHTS.
N.C.	X-0002BB	SIGN-2K	
APPROVED: <i>[Signature]</i>			
DATE: 5/31/12			

SEAL



NOTES:

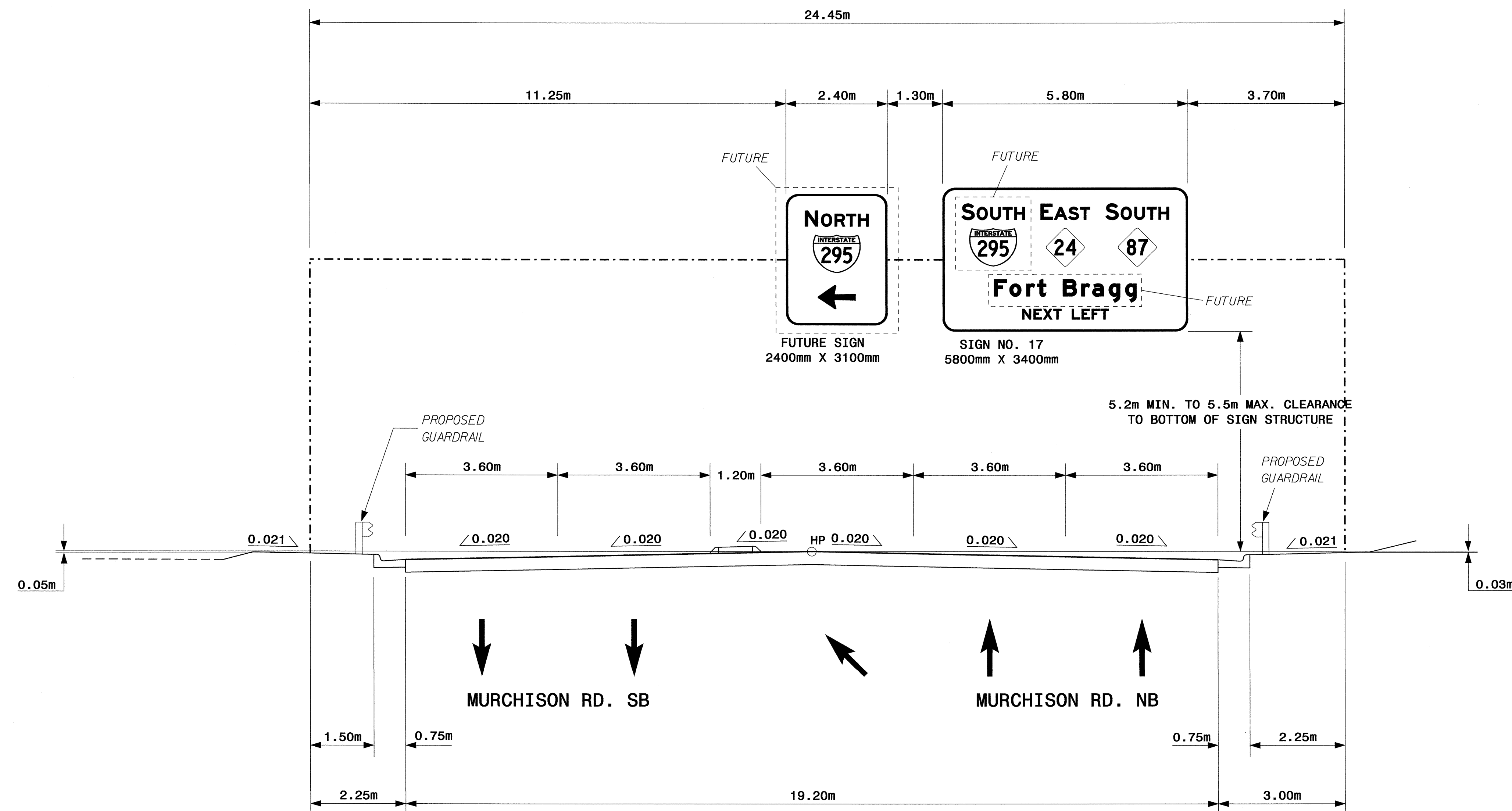
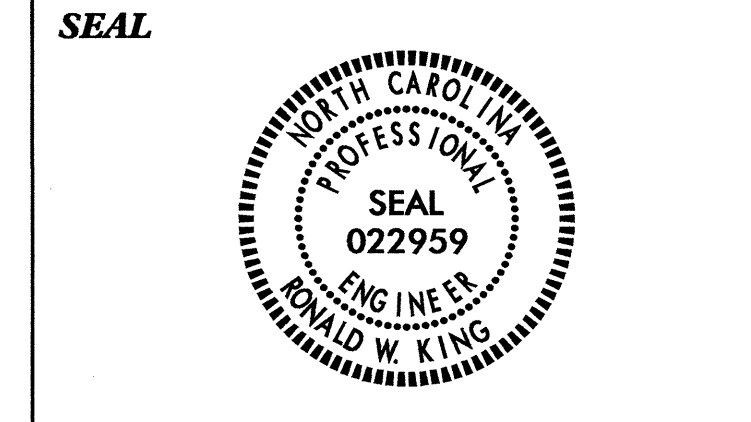
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- DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 161 K.P.H.

OVERHEAD SIGN ASSEMBLY  
AT STA. 28+60 -Y1-



STATE	PROJECT NO.	SHEET NO.	TOTAL SHTS.
N.C.	X-0002BB	SIGN-2L	

APPROVED: *RAW*  
DATE: 7/2/12



**NOTES:**

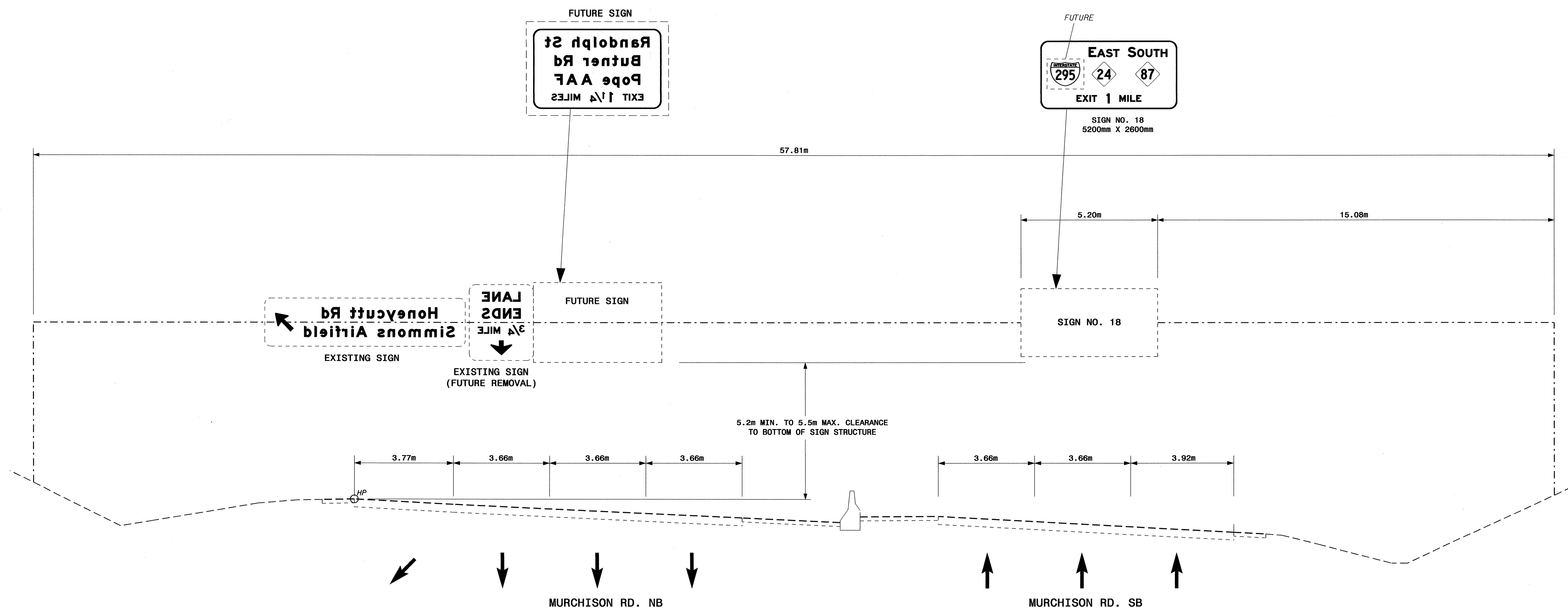
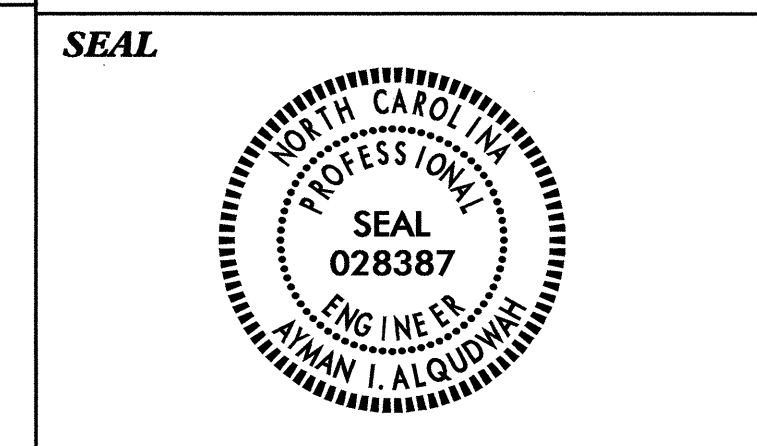
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2. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
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6. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 161 K.P.H.

OVERHEAD SIGN ASSEMBLY  
AT STA. 32+00 -Y1-



STATE	PROJECT NO.	SHEET NO.	TOTAL SHTS.
N. C.	X-0002BB	SIGN-2M	

APPROVED: *[Signature]*  
DATE: 5/31/12



NOTES:

1. ATTACH NEW OVERHEAD SIGN TO EXISTING OVERHEAD SIGN STRUCTURE.  
MOUNT SIGN VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.

EXISTING OVERHEAD SIGN ASSEMBLY  
ON MURCHISON ROAD -Y1-  
APPROX. 1610m NORTH OF I-295 INTERCHANGE





TIP NO. X-0002BB	SHEET NO. SIGN-3
APPROVED: <i>[Signature]</i>	
DATE: 5/31/12	
SEAL	

SIGN NUMR: 1  
TYPE: A Overhead  
QUANTITY: 1

BACKG. COLOR: Green  
COPY COLOR: White

DESIGN BY: DME  
PROJECT ID: X-0002BB

CHK BY: AIA  
DIV: 6

STD #: SSTN  
DATE: Apr 12, 2012

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

SIGN WIDTH: 5900mm  
HEIGHT: 2700mm  
TOTAL AREA: 15.9 Sq.m

SYMBOL	X	Y	WID	HT
W1-5-2-24-10C	2500	844	900	900
W1-5-2-24-10C	4234	844	900	900

MAT'L: 3.2 mm ALUMINUM  
BORDER TYPE: FLUSH  
RECESS: 0mm  
WIDTH: 50mm  
RADII: 300mm  
NO. Z BARS: 3  
LENGTH: 5696.8 mm

USE NOTES: 1,3,5  
1. Legend and border shall be direct applied Grade A reflective sheeting.  
2. Legend and border shall be direct applied Grade C reflective sheeting.  
3. Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.  
4. Background shall be Grade B reflective sheeting.  
5. Background shall be Grade C reflective sheeting.  
6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	1220
E 2000	1499
E 2000	2035

Spacing Factor is 1 unless specified otherwise  
FILENAME: GSENG

SIGN NUMR: 3  
TYPE: A Overhead  
QUANTITY: 1

BACKG. COLOR: Green  
COPY COLOR: White

DESIGN BY: DME  
PROJECT ID: X-0002BB

CHK BY: AIA  
DIV: 6

STD #: SSTN  
DATE: Apr 12, 2012

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

SIGN WIDTH: 5900mm  
HEIGHT: 3300mm  
TOTAL AREA: 19.5 Sq.m

SYMBOL	X	Y	WID	HT
W1-5-2-24-10C	2500	1435	900	900
W1-5-2-24-10C	4234	1435	900	900
ARROW TYPE C	769	391	762	762
ARROW TYPE C	4369	391	762	762

MAT'L: 3.2 mm ALUMINUM  
BORDER TYPE: FLUSH  
RECESS: 0mm  
WIDTH: 50mm  
RADII: 300mm  
NO. Z BARS: 3  
LENGTH: 5696.8 mm

USE NOTES: 1,3,5  
1. Legend and border shall be direct applied Grade A reflective sheeting.  
2. Legend and border shall be direct applied Grade C reflective sheeting.  
3. Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.  
4. Background shall be Grade B reflective sheeting.  
5. Background shall be Grade C reflective sheeting.  
6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	1220
E 2000	1499
E 2000	2035

Spacing Factor is 1 unless specified otherwise  
FILENAME: GSENG

SIGN NUMR: 2  
TYPE: A Overhead  
QUANTITY: 1

BACKG. COLOR: Brown  
COPY COLOR: White

DESIGN BY: DME  
PROJECT ID: X-0002BB

CHK BY: AIA  
DIV: 6

STD #: SSTN  
DATE: Apr 12, 2012

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

SIGN WIDTH: 5400mm  
HEIGHT: 2700mm  
TOTAL AREA: 14.6 Sq.m

SYMBOL	X	Y	WID	HT
ARROWN	494	291	813	558
ARROWN	4094	291	813	558

MAT'L: 3.2 mm ALUMINUM  
BORDER TYPE: FLUSH  
RECESS: 0mm  
WIDTH: 50mm  
RADII: 300mm  
NO. Z BARS: 3  
LENGTH: 5196.8 mm

USE NOTES: 1,5  
1. Legend and border shall be direct applied Grade A reflective sheeting.  
2. Legend and border shall be direct applied Grade C reflective sheeting.  
3. Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.  
4. Background shall be Grade B reflective sheeting.  
5. Background shall be Grade C reflective sheeting.  
6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
EM 2000	3364
EM 2000	2072

Spacing Factor is 1 unless specified otherwise  
FILENAME: GSENG

SIGN NUMR: 4  
TYPE: A Overhead  
QUANTITY: 1

BACKG. COLOR: Green  
COPY COLOR: White

DESIGN BY: DME  
PROJECT ID: X-0002BB

CHK BY: AIA  
DIV: 6

STD #: SSTN  
DATE: Apr 12, 2012

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

SIGN WIDTH: 3900mm  
HEIGHT: 2300mm  
TOTAL AREA: 9.0 Sq.m

SYMBOL	X	Y	WID	HT
W1-5-2-24-10C	565	413	900	900
W1-5-2-24-10C	2267	413	900	900

MAT'L: 3.2 mm ALUMINUM  
BORDER TYPE: FLUSH  
RECESS: 0mm  
WIDTH: 50mm  
RADII: 290mm  
NO. Z BARS: 3  
LENGTH: 3696.8 mm

USE NOTES: 1,3,5  
1. Legend and border shall be direct applied Grade A reflective sheeting.  
2. Legend and border shall be direct applied Grade C reflective sheeting.  
3. Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.  
4. Background shall be Grade B reflective sheeting.  
5. Background shall be Grade C reflective sheeting.  
6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	1160
E 2000	1494

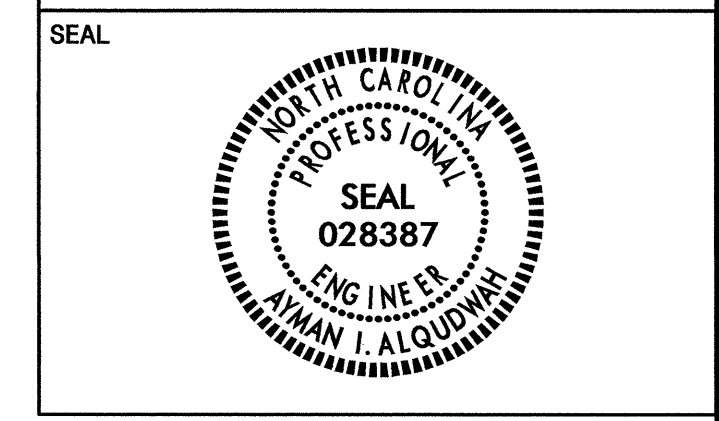
Spacing Factor is 1 unless specified otherwise  
FILENAME: GSENG

# SIGN DESIGNS

24-MAY-2012 16:44  
 P:\TIPPO\0414\X-0002BB\TrfFio\Signing\CADD\Sign Designs\X-0002bb-sgn-3.sgn-designs2.dgn  
 P:\TIPPO\0414\X-0002BB\TrfFio\Signing\CADD\Sign Designs\X-0002bb-sgn-3.sgn-designs2.dgn  
 P:\TIPPO\0414\X-0002BB\TrfFio\Signing\CADD\Sign Designs\X-0002bb-sgn-3.sgn-designs2.dgn



TIP NO. X-0002BB SHEET NO. SIGN-3A  
 APPROVED: *[Signature]*  
 DATE: 5/31/12



SIGN NUMR: 5 BACKG. COLOR: Yellow DESIGN BY: DME CHK BY: AIA STD #: S\$TN  
 TYPE: A Overhead COPY COLOR: Black PROJECT ID: X-0002BB DIV: 6 DATE: Apr 12, 2012  
 QUANTITY: 1

SIGN WIDTH: 3300mm HEIGHT: 2100mm TOTAL AREA: 6.9 Sq.m  
 MAT'L: 3.2 mm ALUMINUM  
 BORDER TYPE: RECESSED RECESS: 12mm WIDTH: 38mm RADII: 230mm  
 NO. Z BARS: 2 LENGTH: 3096.8 mm

SYMBOL	X	Y	WID	HT
ARROW	1244	201	813	558

USE NOTES: 1,5  
 1. Legend and border shall be direct applied Non-reflective sheeting.  
 2. Legend and border shall be direct applied Grade C reflective sheeting.  
 3. Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.  
 4. Background shall be Grade B reflective sheeting.  
 5. Background shall be Grade C reflective sheeting.  
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter											Series/Size
											Text Length
L	A	N	E	E	N	D	S				E 2000
353	249	357	321	225	300	285	321	294	243	353	2595
1	1	0	0	F	T						E 2000
822	159	159	312	252	300	249	225	822			1656

Spacing Factor is 1 unless specified otherwise  
 FILENAME: GSENG

SIGN NUMR: 7 BACKG. COLOR: Brown DESIGN BY: DME CHK BY: AIA STD #: S\$TN  
 TYPE: A Overhead COPY COLOR: White PROJECT ID: X-0002BB DIV: 6 DATE: Apr 12, 2012  
 QUANTITY: 1

SIGN WIDTH: 5300mm HEIGHT: 3100mm TOTAL AREA: 16.4 Sq.m  
 MAT'L: 3.2 mm ALUMINUM  
 BORDER TYPE: FLUSH RECESS: 0mm WIDTH: 50mm RADII: 300mm  
 NO. Z BARS: 3 LENGTH: 5096.8 mm

SYMBOL	X	Y	WID	HT
ARROW TYPE C	469	469	762	762
ARROW TYPE C	4069	469	762	762

USE NOTES: 1,5  
 1. Legend and border shall be direct applied Grade A reflective sheeting.  
 2. Legend and border shall be direct applied Grade C reflective sheeting.  
 3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.  
 4. Background shall be Grade B reflective sheeting.  
 5. Background shall be Grade C reflective sheeting.  
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter											Series/Size
											Text Length
F	O	R	T	B	R	A	G	G			EM 2000
968	388	396	256	208	400	436	260	388	388	264	3364
T	R	U	C	K	S						EM 2000
1614	392	296	388	388	344	264	1614				2072

Spacing Factor is 1 unless specified otherwise  
 FILENAME: GSENG

SIGN NUMR: 6 BACKG. COLOR: Green DESIGN BY: DME CHK BY: AIA STD #: S\$TN  
 TYPE: A Overhead COPY COLOR: White PROJECT ID: X-0002BB DIV: 6 DATE: Apr 12, 2012  
 QUANTITY: 1

SIGN WIDTH: 5900mm HEIGHT: 3300mm TOTAL AREA: 19.5 Sq.m  
 MAT'L: 3.2 mm ALUMINUM  
 BORDER TYPE: FLUSH RECESS: 0mm WIDTH: 50mm RADII: 300mm  
 NO. Z BARS: 3 LENGTH: 5696.8 mm

SYMBOL	X	Y	WID	HT
M1-5-2-24-10C	2500	1435	900	900
M1-5-2-24-10C	4234	1435	900	900
ARROW TYPE C	769	391	762	762
ARROW TYPE C	4369	391	762	762

USE NOTES: 1,3,5  
 1. Legend and border shall be direct applied Grade A reflective sheeting.  
 2. Legend and border shall be direct applied Grade C reflective sheeting.  
 3. Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.  
 4. Background shall be Grade B reflective sheeting.  
 5. Background shall be Grade C reflective sheeting.  
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter											Series/Size
											Text Length
W	E	S	T								E 2000
2340	398	54	267	276	225	2340					1220
N	O	R	T	H							E 2000
3935	304	79	321	276	276	243	467				1499

Spacing Factor is 1 unless specified otherwise  
 FILENAME: GSENG

SIGN NUMR: 8,9C BACKG. COLOR: Green DESIGN BY: DME CHK BY: AIA STD #: S\$TN  
 TYPE: A Overhead COPY COLOR: White PROJECT ID: X-0002BB DIV: 6 DATE: Apr 12, 2012  
 QUANTITY: 2

SIGN WIDTH: 5500mm HEIGHT: 3100mm TOTAL AREA: 17.1 Sq.m  
 MAT'L: 3.2 mm ALUMINUM  
 BORDER TYPE: FLUSH RECESS: 0mm WIDTH: 50mm RADII: 300mm  
 NO. Z BARS: 3 LENGTH: 5296.8 mm

SYMBOL	X	Y	WID	HT
ARROW	4314	1235	565	890
M1-5-2-24-10C	819	1194	900	900
M1-5-2-24-10C	2521	1194	900	900

USE NOTES: 1,3,5,6  
 1. Legend and border shall be direct applied Grade A reflective sheeting.  
 2. Legend and border shall be direct applied Grade C reflective sheeting.  
 3. Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.  
 4. Background shall be Grade B reflective sheeting.  
 5. Background shall be Grade C reflective sheeting.  
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter											Series/Size
											Text Length
E	A	S	T								E 2000
690	281	38	339	276	225	3651					1160
S	O	U	T	H							E 2000
2224	304	56	321	294	276	243	1782				1494
B	R	A	G	G	B	L	V	D			EM 2000
494	436	260	388	388	264	400	436	196	388	264	3420

Spacing Factor is 1 unless specified otherwise  
 FILENAME: GSENG

24-MAY-2012 15:49 P:\TIPR-co\sign\signing\CADD\Sign\_Designs\X-0002BB\bb\_sgn\_s1gn\_designs2.dgn

# SIGN DESIGNS





TIP NO. X-0002BB	SHEET NO. SIGN-3B
APPROVED: <i>[Signature]</i>	
DATE: 5/31/12	
SEAL	

SIGN NUMR: 10C  
TYPE: A Overhead  
QUANTITY: 1

BACKG. COLOR: Green  
COPY COLOR: White

DESIGN BY: DME  
PROJECT ID: X-0002BB

CHK BY: AIA  
DIV: 6

STD #: SSTN  
DATE: Apr 12, 2012

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

SIGN WIDTH: 6700mm  
HEIGHT: 4500mm  
TOTAL AREA: 30.2 Sq.m  
EXIT PANEL AREA: 6.03 Sq.m  
MAT'L: 3.2 mm ALUMINUM

BORDER TYPE: FLUSH  
RECESS: 0mm  
WIDTH: 50mm  
RADII: 300mm

NO. Z BARS: 6  
LENGTH: 6496.9 mm

SYMBOL	X	Y	WID	HT
M1-5-2-24-10C	1966	2669	900	900
M1-5-2-24-10C	3667	2669	900	900
ARMED	1031	129	565	890
ARMED	4977	129	565	890

- USE NOTES: 1,3,5,7
- Legend and border shall be direct applied Grade A reflective sheeting.
  - Legend and border shall be direct applied Grade C reflective sheeting.
  - Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.
  - Background shall be Grade B reflective sheeting.
  - Background shall be Grade C reflective sheeting.
  - Center arrow(s) vertically on sign.
  - Bottom panel shall be Yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is: 6700 mm X 900 mm.

Letter spacings are to start of next letter

Letter spacings are to start of next letter													Series/Size Text Length
E	A	S	T										E 2000
1836	281	38	339	276	225	3705							1160
S	O	U	T	H									E 2000
3370	304	56	321	294	276	243	1836						1494
B	r	a	g	g	B	l	v	d					EM 2000
1640	436	260	388	388	264	400	436	196	388	264	1640		3420
E	X	I	T	O	N	L	Y						E 2000
2182	267	321	105	225	380	321	321	249	306	2024			2495

Spacing Factor is 1 unless specified otherwise  
FILENAME: GSENG

SIGN NUMR: 12C  
TYPE: A Overhead  
QUANTITY: 1

BACKG. COLOR: Green  
COPY COLOR: White

DESIGN BY: DME  
PROJECT ID: X-0002BB

CHK BY: AIA  
DIV: 6

STD #: SSTN  
DATE: Apr 12, 2012

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

SIGN WIDTH: 6700mm  
HEIGHT: 5100mm  
TOTAL AREA: 34.2 Sq.m  
EXIT PANEL AREA: 6.03 Sq.m  
MAT'L: 3.2 mm ALUMINUM

BORDER TYPE: FLUSH  
RECESS: 0mm  
WIDTH: 50mm  
RADII: 300mm

NO. Z BARS: 6  
LENGTH: 6496.8 mm

SYMBOL	X	Y	WID	HT
M1-5-2-24-10C	1965	3264	900	900
M1-5-2-24-10C	3667	3264	900	900
ARROWN	934	196	813	558
ARROWN	4953	196	813	558

- USE NOTES: 1,3,5,7
- Legend and border shall be direct applied Grade A reflective sheeting.
  - Legend and border shall be direct applied Grade C reflective sheeting.
  - Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.
  - Background shall be Grade B reflective sheeting.
  - Background shall be Grade C reflective sheeting.
  - Center arrow(s) vertically on sign.
  - Bottom panel shall be Yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is: 6700 mm X 900 mm.

Letter spacings are to start of next letter

Letter spacings are to start of next letter													Series/Size Text Length
E	A	S	T										E 2000
1836	281	38	339	276	225	3705							1160
S	O	U	T	H									E 2000
3370	304	56	321	294	276	243	1836						1494
B	r	a	g	g	B	l	v	d					EM 2000
1640	436	260	388	388	264	400	436	196	388	264	1640		3420
1/4	M	I	L	E									E 2000
2474	549	375	300	110	230	188	2474						1752
E	X	I	T	O	N	L	Y						E 2000
2127	267	321	105	225	380	321	321	249	306	2078			2495

Spacing Factor is 1 unless specified otherwise  
FILENAME: GSENG

SIGN NUMR: 11B  
TYPE: A Overhead  
QUANTITY: 1

BACKG. COLOR: Green  
COPY COLOR: White

DESIGN BY: DME  
PROJECT ID: X-0002BB

CHK BY: AIA  
DIV: 6

STD #: SSTN  
DATE: Apr 12, 2012

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

SIGN WIDTH: 5500mm  
HEIGHT: 4500mm  
TOTAL AREA: 24.8 Sq.m

MAT'L: 3.2 mm ALUMINUM

BORDER TYPE: FLUSH  
RECESS: 0mm  
WIDTH: 50mm  
RADII: 300mm

NO. Z BARS: 6  
LENGTH: 5296.8 mm

SYMBOL	X	Y	WID	HT
M1-5-2-24-10C	659	2593	900	900
M1-5-2-24-10C	2393	2593	900	900
M1-5-3-24-7C	3967	2593	900	900
ARROWN	588	334	813	558
ARROWN	4188	334	813	558

- USE NOTES: 1,3,5
- Legend and border shall be direct applied Grade A reflective sheeting.
  - Legend and border shall be direct applied Grade C reflective sheeting.
  - Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.
  - Background shall be Grade B reflective sheeting.
  - Background shall be Grade C reflective sheeting.
  - Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Letter spacings are to start of next letter													Series/Size Text Length
W	E	S	T										E 2000
499	398	54	267	276	225	3782							1220
N	O	R	T	H									E 2000
2093	304	79	321	276	276	243	1908						1499
M	u	r	c	h	i	s	o	n	R	d			EM 2000
659	508	424	260	388	424	196	352	396	264	400	396	264	4272
S	p	r	i	n	g	L	a	k	e				EM 2000
889	448	388	296	240	388	264	400	348	424	352	264	799	3812

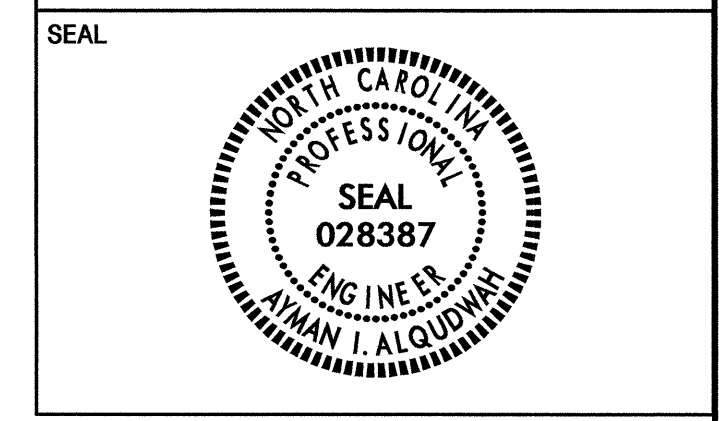
Spacing Factor is 1 unless specified otherwise  
FILENAME: GSENG

# SIGN DESIGNS

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TIP NO. X-0002BB SHEET NO. SIGN-3C  
 APPROVED: *[Signature]*  
 DATE: 5/31/12



SIGN NUMR: 13 TYPE: A Overhead QUANTITY: 1  
 BACKG. COLOR: Green COPY COLOR: White  
 DESIGN BY: DME PROJECT ID: X-0002BB  
 CHK BY: AIA DIV: 6 STD #: S\$TN DATE: Apr 12, 2012  
 N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRANSPORTATION MOBILITY AND SAFETY SIGNING AND DELINEATION

SIGN WIDTH: 5700mm HEIGHT: 4500mm TOTAL AREA: 25.7 Sq.m  
 MAT'L: 3.2 mm ALUMINUM  
 BORDER TYPE: FLUSH RECESS: 0mm WIDTH: 50mm RADII: 300mm  
 NO. Z BARS: 6 LENGTH: 5496.8 mm

SYMBOL	X	Y	WID	HT
W1-5-2-24-10C	666	2593	900	900
W1-5-2-24-10C	2400	2593	900	900
W1-5-3-24-7C	4134	2593	900	900
ARDDOWN	595	334	813	558
ARDDOWN	4195	334	813	558



- USE NOTES: 1,3,5
- Legend and border shall be direct applied Grade A reflective sheeting.
  - Legend and border shall be direct applied Grade C reflective sheeting.
  - Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.
  - Background shall be Grade B reflective sheeting.
  - Background shall be Grade C reflective sheeting.
  - Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

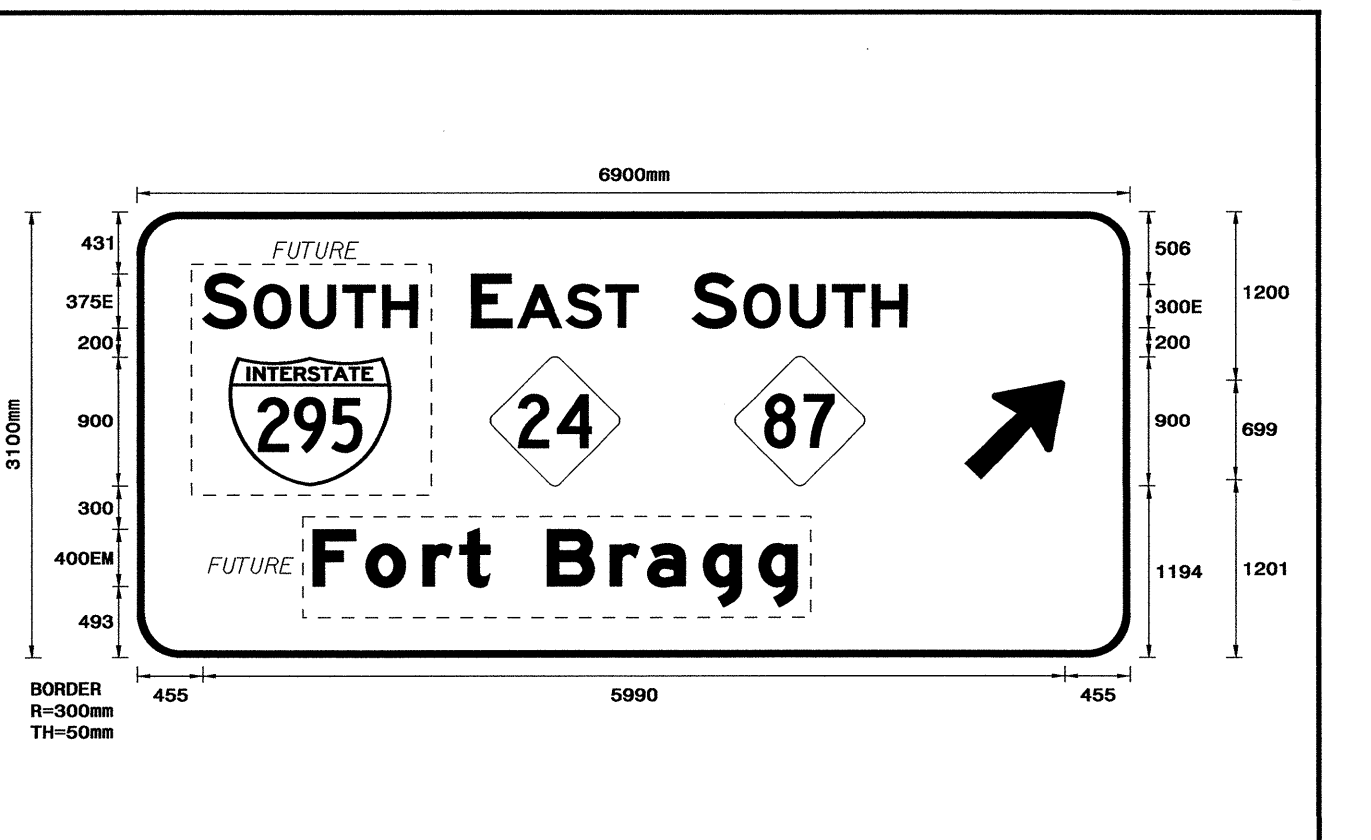
Series/Size	Text Length
E 2000	1220
E 2000	1499
E 2000	1220
EM 2000	4272
EM 2000	3812

Spacing Factor is 1 unless specified otherwise  
 FILENAME: GSENG

SIGN NUMR: 15 TYPE: A Overhead QUANTITY: 1  
 BACKG. COLOR: Green COPY COLOR: White  
 DESIGN BY: DME PROJECT ID: X-0002BB  
 CHK BY: AIA DIV: 6 STD #: S\$TN DATE: Apr 12, 2012  
 N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRANSPORTATION MOBILITY AND SAFETY SIGNING AND DELINEATION

SIGN WIDTH: 6900mm HEIGHT: 3100mm TOTAL AREA: 21.4 Sq.m  
 MAT'L: 3.2 mm ALUMINUM  
 BORDER TYPE: FLUSH RECESS: 0mm WIDTH: 50mm RADII: 300mm  
 NO. Z BARS: 3 LENGTH: 6696.8 mm

SYMBOL	X	Y	WID	HT
ARDED	5753	1235	565	890
W1-5-2-24-10C	2454	1194	900	900
W1-5-2-24-10C	4156	1194	900	900



- USE NOTES: 1,3,5,6
- Legend and border shall be direct applied Grade A reflective sheeting.
  - Legend and border shall be direct applied Grade C reflective sheeting.
  - Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.
  - Background shall be Grade B reflective sheeting.
  - Background shall be Grade C reflective sheeting.
  - Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

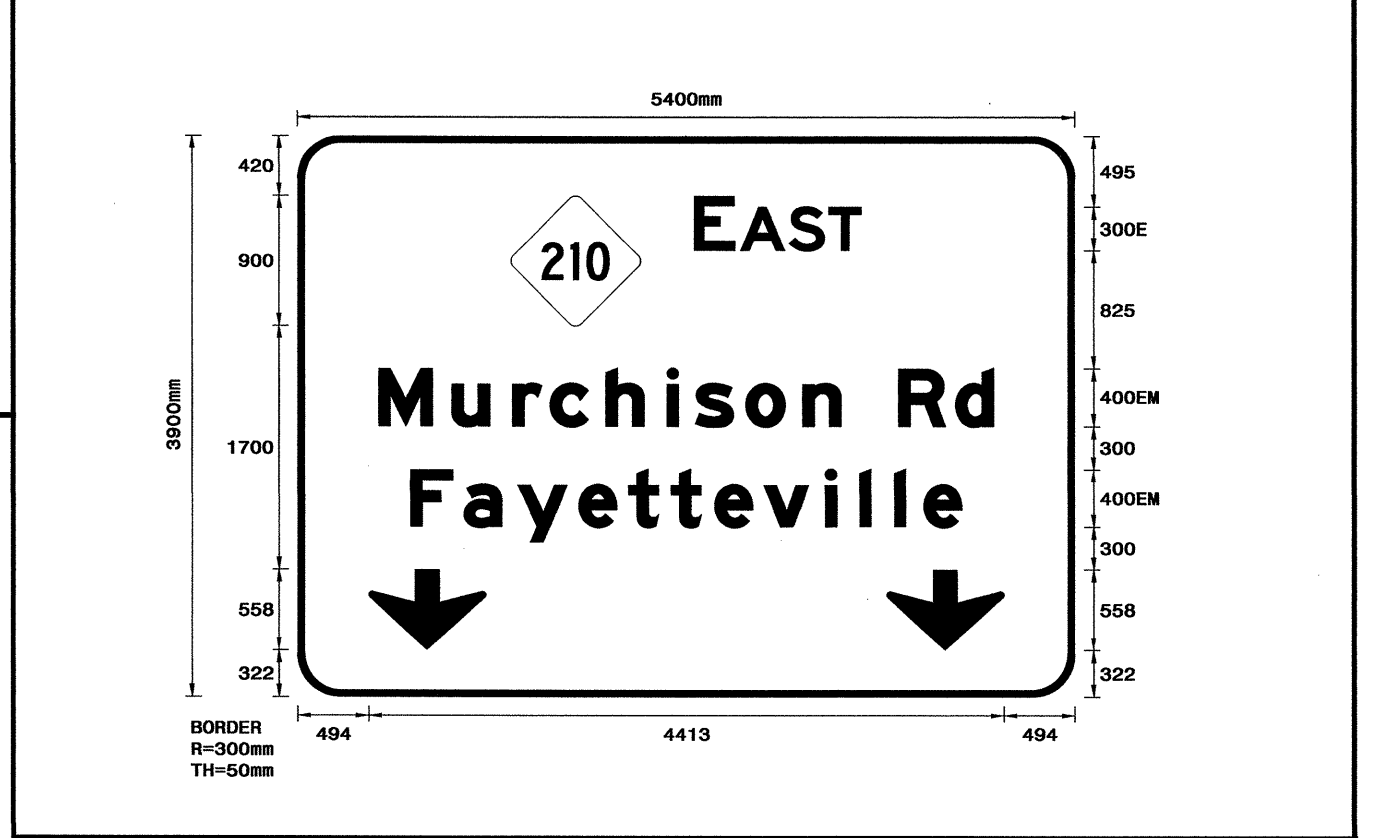
Series/Size	Text Length
E 2000	1160
E 2000	1494

Spacing Factor is 1 unless specified otherwise  
 FILENAME: GSENG

SIGN NUMR: 14 TYPE: A Overhead QUANTITY: 1  
 BACKG. COLOR: Green COPY COLOR: White  
 DESIGN BY: DME PROJECT ID: X-0002BB  
 CHK BY: AIA DIV: 6 STD #: S\$TN DATE: Apr 12, 2012  
 N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRANSPORTATION MOBILITY AND SAFETY SIGNING AND DELINEATION

SIGN WIDTH: 5400mm HEIGHT: 3900mm TOTAL AREA: 21.1 Sq.m  
 MAT'L: 3.2 mm ALUMINUM  
 BORDER TYPE: FLUSH RECESS: 0mm WIDTH: 50mm RADII: 300mm  
 NO. Z BARS: 4 LENGTH: 5196.8 mm

SYMBOL	X	Y	WID	HT
W1-5-3-24-7C	1483	2580	900	900
ARDDOWN	494	322	813	558
ARDDOWN	4094	322	813	558



- USE NOTES: 1,3,5
- Legend and border shall be direct applied Grade A reflective sheeting.
  - Legend and border shall be direct applied Grade C reflective sheeting.
  - Shields shall be Grade A reflective sheeting on 0.08 mm aluminum and demountable.
  - Background shall be Grade B reflective sheeting.
  - Background shall be Grade C reflective sheeting.
  - Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	1160
EM 2000	4272
EM 2000	3828

Spacing Factor is 1 unless specified otherwise  
 FILENAME: GSENG

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**SIGN DESIGNS**





TIP NO. X-0002BB	SHEET NO. SIGN-3D
APPROVED: <i>[Signature]</i>	
DATE: 5/31/12	
SEAL	



SIGN NUMR: 16  
TYPE: A Overhead  
QUANTITY: 1

BACKG. COLOR: Green  
COPY COLOR: White

DESIGN BY: DME  
PROJECT ID: X-0002BB

CHK BY: AIA  
DIV: 6

STD #: \$STN  
DATE: Apr 12, 2012

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

SIGN WIDTH: 5800mm  
HEIGHT: 4000mm  
TOTAL AREA: 23.2 Sq.m

MAT'L: 3.2 mm ALUMINUM

BORDER TYPE: FLUSH  
RECESS: 0mm  
WIDTH: 50mm  
RADII: 300mm

NO. Z BARS: 4  
LENGTH: 5596.8 mm

SYMBOL	X	Y	WID	HT
M1-5-2-24-10C	2450	2137	900	900
M1-5-2-24-10C	4152	2137	900	900
ARROW TYPE C	719	375	762	762
ARROW TYPE C	4319	375	762	762

- USE NOTES: 1,3,5
- Legend and border shall be direct applied Grade A reflective sheeting.
  - Legend and border shall be direct applied Grade C reflective sheeting.
  - Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.
  - Background shall be Grade B reflective sheeting.
  - Background shall be Grade C reflective sheeting.
  - Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

	E	A	S	T		Series/Size			
						Text Length			
						E 2000			
	2320	281	38	339	276	225	2320	1160	
		S		O	U	T	H	E 2000	
	3855	304	56	321	294	276	243	451	1494

Spacing Factor is 1 unless specified otherwise  
FILENAME: GSENG

SIGN NUMR: 17  
TYPE: A Overhead  
QUANTITY: 1

BACKG. COLOR: Green  
COPY COLOR: White

DESIGN BY: DME  
PROJECT ID: X-0002BB

CHK BY: AIA  
DIV: 6

STD #: \$STN  
DATE: May 22, 2012

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

SIGN WIDTH: 5800mm  
HEIGHT: 3400mm  
TOTAL AREA: 19.7 Sq.m

MAT'L: 3.2 mm ALUMINUM

BORDER TYPE: FLUSH  
RECESS: 0mm  
WIDTH: 50mm  
RADII: 300mm

NO. Z BARS: 7  
LENGTH: 5792.0 mm

SYMBOL	X	Y	WID	HT
M1-5-2-24-10C	2450	1544	900	900
M1-5-2-24-10C	4152	1544	900	900

- USE NOTES: 1,3,5
- Legend and border shall be direct applied Grade A reflective sheeting.
  - Legend and border shall be direct applied Grade C reflective sheeting.
  - Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.
  - Background shall be Grade B reflective sheeting.
  - Background shall be Grade C reflective sheeting.
  - Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

	E	A	S	T		Series/Size						
						Text Length						
						E 2000						
	2320	281	38	339	276	225	2320	1494				
		S		O	U	T	H	E 2000				
	3855	304	56	321	294	276	243	451	1160			
								E 2000				
								1494				
								EM 2000				
								3364				
								E 2000				
	1883	268	223	245	188	250	230	238	208	188	1883	2035

Spacing Factor is 1 unless specified otherwise  
FILENAME: GSENG

SIGN NUMR: 18  
TYPE: A Overhead  
QUANTITY: 1

BACKG. COLOR: Green  
COPY COLOR: White

DESIGN BY: DME  
PROJECT ID: X-0002BB

CHK BY: AIA  
DIV: 6

STD #: \$STN  
DATE: Apr 12, 2012

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

SIGN WIDTH: 5200mm  
HEIGHT: 2600mm  
TOTAL AREA: 13.5 Sq.m

MAT'L: 3.2 mm ALUMINUM

BORDER TYPE: FLUSH  
RECESS: 0mm  
WIDTH: 50mm  
RADII: 300mm

NO. Z BARS: 3  
LENGTH: 4996.8 mm

SYMBOL	X	Y	WID	HT
M1-5-2-24-10C	1965	879	900	900
M1-5-2-24-10C	3623	879	900	900

- USE NOTES: 1,3,5
- Legend and border shall be direct applied Grade A reflective sheeting.
  - Legend and border shall be direct applied Grade C reflective sheeting.
  - Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.
  - Background shall be Grade B reflective sheeting.
  - Background shall be Grade C reflective sheeting.
  - Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

	E	A	S	T		Series/Size								
						Text Length								
						E 2000								
	1835	281	39	339	276	225	2205	1160						
		S		O	U	T	H	E 2000						
	3325	304	57	321	294	276	243	380	1495					
								E 2000						
								2455						
								E 2000						
	1373	223	268	88	188	375	113	375	300	110	230	188	1373	2455

Spacing Factor is 1 unless specified otherwise  
FILENAME: GSENG

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# SIGN DESIGNS



TIP NO. X-0002BB SHEET NO. SIGN-3E  
 APPROVED: *[Signature]*  
 DATE: 5/31/12  
 SEAL

SIGN NUMR: 9B,11A,10B,12B TYPE: A Overhead QUANTITY: 4  
 BACKG. COLOR: Yellow COPY COLOR: Black DESIGN BY: DME PROJECT ID: X-0002BB  
 CHK BY: AIA DIV: 6 STD #: S\$TN DATE: Apr 13, 2012  
 N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRANSPORTATION MOBILITY AND SAFETY SIGNING AND DELINEATION

SIGN WIDTH: 5000mm HEIGHT: 800mm TOTAL AREA: 4.0 Sq.m  
 MAT'L: 3.2 mm ALUMINUM  
 BORDER TYPE: FLUSH RECESS: 12mm WIDTH: 38mm RADII: 150mm NO. Z BARS: 2 LENGTH: 4796.8 mm

SYMBOL	X	Y	WID	HT

USE NOTES: 1,5  
 1. Legend and border shall be direct applied Non-reflective sheeting.  
 2. Legend and border shall be direct applied Grade C reflective sheeting.  
 3. Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.  
 4. Background shall be Grade B reflective sheeting.  
 5. Background shall be Grade C reflective sheeting.  
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	4203

Spacing Factor is 1 unless specified otherwise  
 FILENAME: GSENG

SIGN NUMR: 10A,12A TYPE: A Overhead QUANTITY: 2  
 BACKG. COLOR: Green COPY COLOR: White DESIGN BY: DME PROJECT ID: X-0002BB  
 CHK BY: AIA DIV: 6 STD #: S\$TN DATE: Apr 13, 2012  
 N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRANSPORTATION MOBILITY AND SAFETY SIGNING AND DELINEATION

SIGN WIDTH: 4800mm HEIGHT: 800mm TOTAL AREA: 3.8 Sq.m  
 MAT'L: 3.2 mm ALUMINUM  
 BORDER TYPE: FLUSH RECESS: 0mm WIDTH: 50mm RADII: 75mm NO. Z BARS: 2 LENGTH: 4596.8 mm

SYMBOL	X	Y	WID	HT

USE NOTES: 1,5  
 1. Legend and border shall be direct applied Grade A reflective sheeting.  
 2. Legend and border shall be direct applied Grade C reflective sheeting.  
 3. Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.  
 4. Background shall be Grade B reflective sheeting.  
 5. Background shall be Grade C reflective sheeting.  
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	1042
E 2000	2589

Spacing Factor is 1 unless specified otherwise  
 FILENAME: GSENG

SIGN NUMR: 9A TYPE: B Overhead QUANTITY: 1  
 BACKG. COLOR: Green COPY COLOR: White DESIGN BY: DME PROJECT ID: X-0002BB  
 CHK BY: AIA DIV: 6 STD #: S\$TN DATE: Apr 13, 2012  
 N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRANSPORTATION MOBILITY AND SAFETY SIGNING AND DELINEATION

SIGN WIDTH: 3500mm HEIGHT: 800mm TOTAL AREA: 2.8 Sq.m  
 MAT'L: 3.2 mm ALUMINUM  
 BORDER TYPE: FLUSH RECESS: 0mm WIDTH: 50mm RADII: 75mm NO. Z BARS: 2 LENGTH: 3296.8 mm

SYMBOL	X	Y	WID	HT

USE NOTES: 1,5  
 1. Legend and border shall be direct applied Grade A reflective sheeting.  
 2. Legend and border shall be direct applied Grade C reflective sheeting.  
 3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.  
 4. Background shall be Grade B reflective sheeting.  
 5. Background shall be Grade C reflective sheeting.  
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
E 2000	803
E 2000	974

Spacing Factor is 1 unless specified otherwise  
 FILENAME: GSENG

SIGN NUMR: 101 TYPE: A Ground QUANTITY: 1  
 BACKG. COLOR: Green COPY COLOR: White DESIGN BY: DME PROJECT ID: X-0002BB  
 CHK BY: AIA DIV: 6 STD #: S\$TN DATE: Apr 13, 2012  
 N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRANSPORTATION MOBILITY AND SAFETY SIGNING AND DELINEATION

SIGN WIDTH: 4500mm HEIGHT: 2500mm TOTAL AREA: 11.3 Sq.m  
 MAT'L: 3.2 mm ALUMINUM  
 BORDER TYPE: FLUSH RECESS: 0mm WIDTH: 50mm RADII: 300mm NO. Z BARS: 3 LENGTH: 4296.8 mm

SYMBOL	X	Y	WID	HT
M1-5-2-24-10C	1841	812	900	900
M1-5-2-24-10C	3113	812	900	900

USE NOTES: 2,3,5  
 1. Legend and border shall be direct applied Grade A reflective sheeting.  
 2. Legend and border shall be direct applied Grade C reflective sheeting.  
 3. Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.  
 4. Background shall be Grade B reflective sheeting.  
 5. Background shall be Grade C reflective sheeting.  
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

Series/Size	Text Length
D 2000	847
D 2000	1044
E 2000	2038

Spacing Factor is 1 unless specified otherwise  
 FILENAME: GSENG

25-MAY-2012 08:25 P:\TIPPro\051312\X-0002BB\Traffic\Signing\CADD\Sign Designs\0002bb-sign-sign\_designs2.dgn

# SIGN DESIGNS





TIP NO. X-0002BB	SHEET NO. SIGN-3F
APPROVED: <i>[Signature]</i>	
DATE: 5/31/12	
SEAL	

SIGN NUMR: 102      BACKG. COLOR: Green      DESIGN BY: DME      CHK BY: AIA      STD #: \$STN      N. C. DEPARTMENT OF TRANSPORTATION  
 TYPE: A Ground      COPY COLOR: White      PROJECT ID: X-0002BB      DIV: 6      DATE: Apr 13, 2012      DIVISION OF HIGHWAYS  
 QUANTITY: 1      TRANSPORTATION MOBILITY AND SAFETY  
 SIGNING AND DELINEATION

SIGN WIDTH: 4500mm  
 HEIGHT: 2500mm  
 TOTAL AREA: 11.3 Sq.m

SYMBOL	X	Y	WID	HT
W1-S-2-24-10C	1841	812	900	900
W1-S-2-24-10C	3113	812	900	900

MAT'L: 3.2 mm ALUMINUM  
 BORDER TYPE: FLUSH  
 RECESS: 0mm  
 WIDTH: 50mm  
 RADII: 300mm  
 NO. Z BARS: 3  
 LENGTH: 4296.8 mm

USE NOTES: 2,3,5  
 1. Legend and border shall be direct applied Grade A reflective sheeting.  
 2. Legend and border shall be direct applied Grade C reflective sheeting.  
 3. Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.  
 4. Background shall be Grade B reflective sheeting.  
 5. Background shall be Grade C reflective sheeting.  
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter													Series/Size
													Text Length
													D 2000
1867	267	55	180	190	155	1786							847
													D 2000
3041	204	55	233	190	193	170	416						1044
													E 2000
1139	248	238	238	202	250	253	103	260	245	188	1139		2223

Spacing Factor is 1 unless specified otherwise  
 FILENAME: GSENG

SIGN NUMR: 103      BACKG. COLOR: Green      DESIGN BY: DME      CHK BY: AIA      STD #: \$STN      N. C. DEPARTMENT OF TRANSPORTATION  
 TYPE: A Ground      COPY COLOR: White      PROJECT ID: X-0002BB      DIV: 6      DATE: Apr 13, 2012      DIVISION OF HIGHWAYS  
 QUANTITY: 1      TRANSPORTATION MOBILITY AND SAFETY  
 SIGNING AND DELINEATION

SIGN WIDTH: 5600mm  
 HEIGHT: 1500mm  
 TOTAL AREA: 8.4 Sq.m

SYMBOL	X	Y	WID	HT

MAT'L: 3.2 mm ALUMINUM  
 BORDER TYPE: FLUSH  
 RECESS: 0mm  
 WIDTH: 50mm  
 RADII: 225mm  
 NO. Z BARS: 2  
 LENGTH: 5396.8 mm

USE NOTES: 2,5  
 1. Legend and border shall be direct applied Grade A reflective sheeting.  
 2. Legend and border shall be direct applied Grade C reflective sheeting.  
 3. Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.  
 4. Background shall be Grade B reflective sheeting.  
 5. Background shall be Grade C reflective sheeting.  
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter													Series/Size
													Text Length
													EM 2000
259	244	252	278	231	196	199	228	281	159	159	135	175	265
													5083
													EM 2000
1194	297	159	398	374	262	252	175	265	268	150	268	150	196
													3212
													E 2000
1912	214	178	196	150	200	202	82	208	196	150	1912		1776

Spacing Factor is 1 unless specified otherwise  
 FILENAME: GSENG

SIGN NUMR: 104      BACKG. COLOR: Green,Brown      DESIGN BY: DME      CHK BY: AIA      STD #: \$STN      N. C. DEPARTMENT OF TRANSPORTATION  
 TYPE: A Ground      COPY COLOR: White      PROJECT ID: X-0002BB      DIV: 6      DATE: Apr 13, 2012      DIVISION OF HIGHWAYS  
 QUANTITY: 1      TRANSPORTATION MOBILITY AND SAFETY  
 SIGNING AND DELINEATION

SIGN WIDTH: 5600mm  
 HEIGHT: 2200mm  
 TOTAL AREA: 12.3 Sq.m

SYMBOL	X	Y	WID	HT

MAT'L: 3.2 mm ALUMINUM  
 BORDER TYPE: FLUSH  
 RECESS: 0mm  
 WIDTH: 50mm  
 RADII: 300mm  
 NO. Z BARS: 3  
 LENGTH: 5396.8 mm

USE NOTES: 2,5  
 1. Legend and border shall be direct applied Grade A reflective sheeting.  
 2. Legend and border shall be direct applied Grade C reflective sheeting.  
 3. Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.  
 4. Background shall be Grade B reflective sheeting.  
 5. Background shall be Grade C reflective sheeting.  
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter													Series/Size
													Text Length
													EM 2000
259	244	252	278	231	196	199	228	281	159	159	135	175	265
													5083
													E 2000
1621	202	82	208	196	150	200	162	200	166	238	214	178	162
													2358
													EM 2000
1194	297	159	398	374	262	252	175	265	268	150	268	150	196
													3212
													E 2000
1695	184	190	166	150	200	162	200	166	238	214	178	162	1695
													2210

Spacing Factor is 1 unless specified otherwise  
 FILENAME: GSENG

# SIGN DESIGNS

25-MAY-2012 08:28  
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 mason 21 12/27/2012



TIP NO. X-0002BB	SHEET NO. SIGN-3G
APPROVED: <i>[Signature]</i>	
DATE: 5/31/12	
SEAL	

SIGN NUMR: 105      BACKG. COLOR: Green      DESIGN BY: DME      CHK BY: AIA      STD #: SSTN      N. C. DEPARTMENT OF TRANSPORTATION  
 TYPE: A Ground      COPY COLOR: White      PROJECT ID: X-0002BB      DIV: 6      DATE: Apr 13, 2012      DIVISION OF HIGHWAYS  
 QUANTITY: 1      TRANSPORTATION MOBILITY AND SAFETY  
 SIGNING AND DELINEATION

SIGN WIDTH: 4500mm      HEIGHT: 3000mm      TOTAL AREA: 13.5 Sq.m  
 MAT'L: 3.2 mm ALUMINUM  
 BORDER TYPE: FLUSH  
 RECESS: 0mm  
 WIDTH: 50mm  
 RADII: 300mm  
 NO. Z BARS: 3  
 LENGTH: 4296.8 mm

SYMBOL	X	Y	WID	HT
W1-5-2-24-10C	1832	1311	900	900
W1-5-2-24-10C	3113	1311	900	900

USE NOTES: 1,3,5  
 1. Legend and border shall be direct applied Grade A reflective sheeting.  
 2. Legend and border shall be direct applied Grade C reflective sheeting.  
 3. Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.  
 4. Background shall be Grade B reflective sheeting.  
 5. Background shall be Grade C reflective sheeting.  
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter										Series/Size		
										Text Length		
E	A	S	T							D 2000		
1873	186	55	233	190	155	1809				819		
S	O	U	T	H						D 2000		
3032	204	55	233	208	193	170	407				1062	
K	E	E	P	R	I	G	H	T	E 2000			
1139	248	238	237	203	250	252	103	260	245	188	1139	2223

Spacing Factor is 1 unless specified otherwise  
 FILENAME: GSENG

SIGN NUMR: 106      BACKG. COLOR: Green      DESIGN BY: DME      CHK BY: AIA      STD #: SSTN      N. C. DEPARTMENT OF TRANSPORTATION  
 TYPE: A Ground      COPY COLOR: White      PROJECT ID: X-0002BB      DIV: 6      DATE: Apr 13, 2012      DIVISION OF HIGHWAYS  
 QUANTITY: 1      TRANSPORTATION MOBILITY AND SAFETY  
 SIGNING AND DELINEATION

SIGN WIDTH: 4500mm      HEIGHT: 3000mm      TOTAL AREA: 13.5 Sq.m  
 MAT'L: 3.2 mm ALUMINUM  
 BORDER TYPE: FLUSH  
 RECESS: 0mm  
 WIDTH: 50mm  
 RADII: 300mm  
 NO. Z BARS: 3  
 LENGTH: 4296.8 mm

SYMBOL	X	Y	WID	HT
W1-5-2-24-10C	1832	1311	900	900
W1-5-2-24-10C	3113	1311	900	900

USE NOTES: 2,3,5  
 1. Legend and border shall be direct applied Grade A reflective sheeting.  
 2. Legend and border shall be direct applied Grade C reflective sheeting.  
 3. Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.  
 4. Background shall be Grade B reflective sheeting.  
 5. Background shall be Grade C reflective sheeting.  
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter										Series/Size			
										Text Length			
E	A	S	T							D 2000			
1873	186	55	233	190	155	1809				819			
S	O	U	T	H						D 2000			
3032	204	55	233	208	193	170	407				1062		
S	E	C	O	N	D	L	E	F	T	E 2000			
957	253	230	253	267	268	203	250	230	237	208	188	958	2585

Spacing Factor is 1 unless specified otherwise  
 FILENAME: GSENG

25-MAY-2012 08:29  
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 mason AI 12/27/08

# SIGN DESIGNS

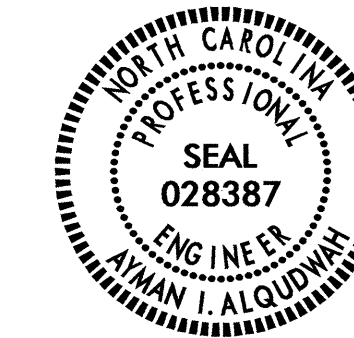




TIP NO. X-0002BB SHEET NO. SIGN-3H

APPROVED: [Signature] DATE: 5/31/12

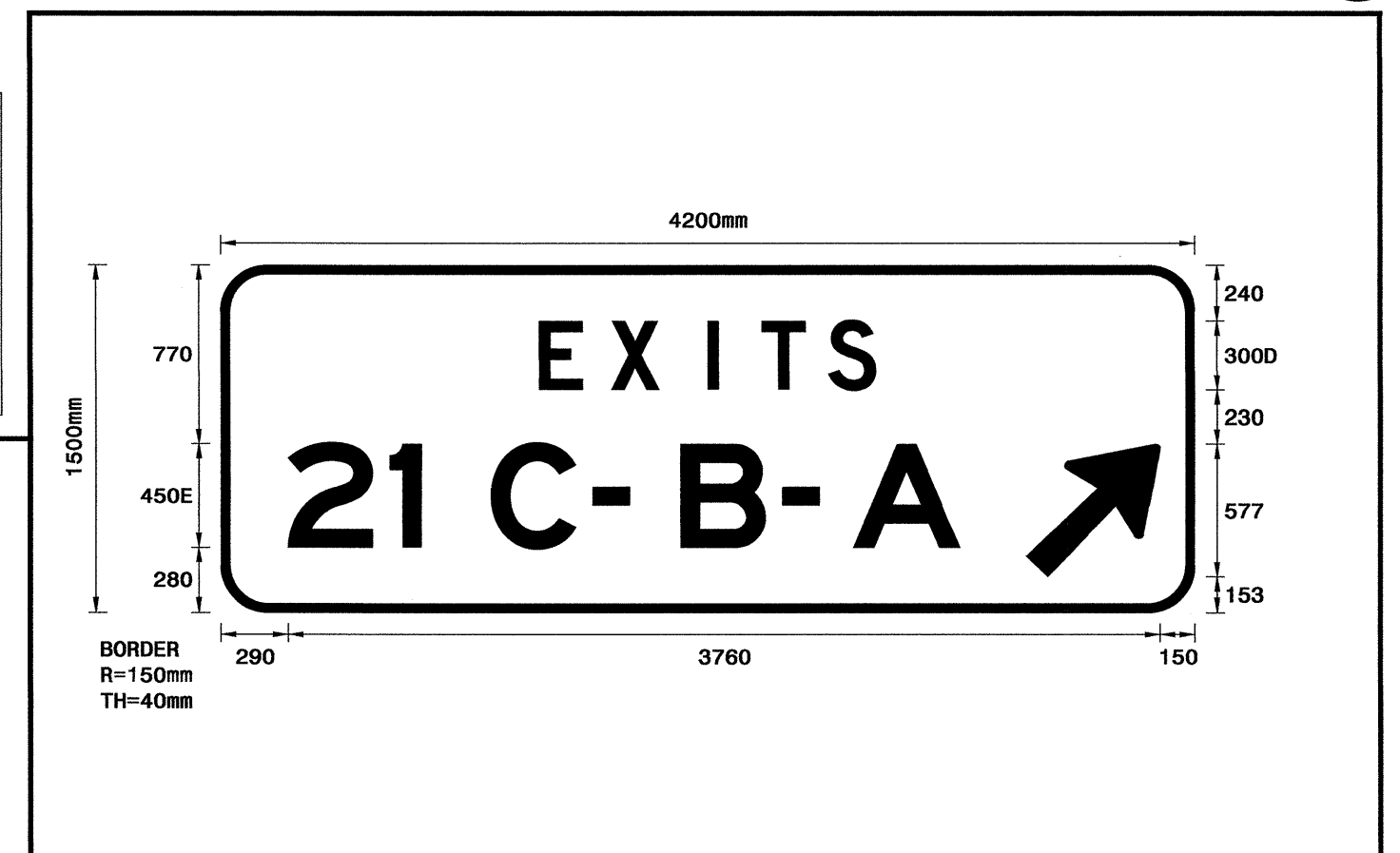
SEAL



SIGN NUMR: 202 TYPE: A Ground QUANTITY: 1  
 BACKG. COLOR: Green COPY COLOR: White  
 DESIGN BY: DME PROJECT ID: X-0002BB  
 CHK BY: AIA DIV: 6  
 STD #: SSTN DATE: Apr 13, 2012  
 N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRANSPORTATION MOBILITY AND SAFETY SIGNING AND DELINEATION

SIGN WIDTH: 4200mm HEIGHT: 1500mm TOTAL AREA: 6.3 Sq.m  
 MAT'L: 3.2 mm ALUMINUM  
 BORDER TYPE: FLUSH RECESS: 0mm WIDTH: 40mm RADIUS: 150mm  
 NO. Z BARS: 2 LENGTH: 3996.8 mm

SYMBOL	X	Y	WID	HT
ARMED	3473	153	464	743



USE NOTES: 2,5  
 1. Legend and border shall be direct applied Grade A reflective sheeting.  
 2. Legend and border shall be direct applied Grade C reflective sheeting.  
 3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.  
 4. Background shall be Grade B reflective sheeting.  
 5. Background shall be Grade C reflective sheeting.  
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

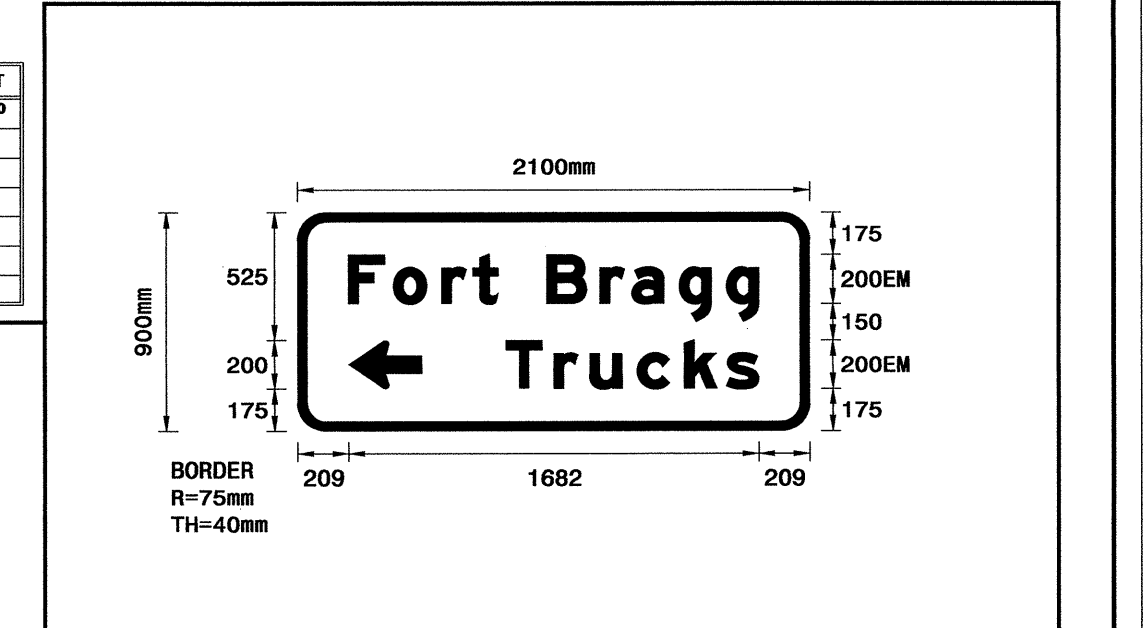
E	X	I	T	S											Series/Size Text Length		
1375	310	415	235	286	204	1375											D 2000 1450
	2	1					B			A					E 2000 2896		
290	441	135	300	365	75	158	221	365	75	158	146	459	1014				

Spacing Factor is 1 unless specified otherwise  
 FILENAME: GSENG

SIGN NUMR: 301 TYPE: D Ground QUANTITY: 1  
 BACKG. COLOR: Brown COPY COLOR: White  
 DESIGN BY: DME PROJECT ID: X-0002BB  
 CHK BY: AIA DIV: 6  
 STD #: SSTN DATE: Apr 13, 2012  
 N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRANSPORTATION MOBILITY AND SAFETY SIGNING AND DELINEATION

SIGN WIDTH: 2100mm HEIGHT: 900mm TOTAL AREA: 1.9 Sq.m  
 MAT'L: 3.2 mm ALUMINUM  
 BORDER TYPE: FLUSH RECESS: 0mm WIDTH: 40mm RADIUS: 75mm  
 NO. Z BARS: LENGTH:

SYMBOL	X	Y	WID	HT
ARMED	209	175	200	300



USE NOTES: 2,5  
 1. Legend and border shall be direct applied Grade A reflective sheeting.  
 2. Legend and border shall be direct applied Grade C reflective sheeting.  
 3. Shields shall be Grade A reflective sheeting on 0.032" aluminum and demountable.  
 4. Background shall be Grade B reflective sheeting.  
 5. Background shall be Grade C reflective sheeting.  
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

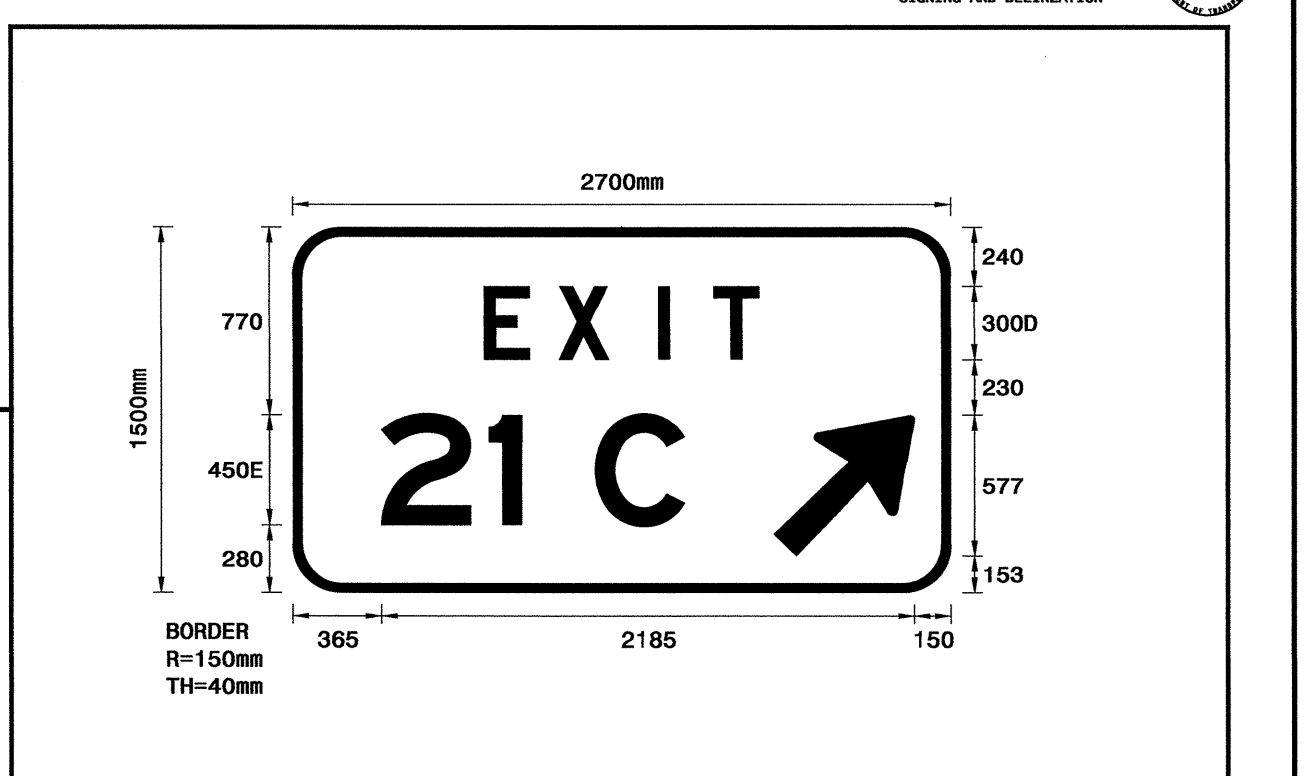
F	o	r	t	B	r	a	g	g											Series/Size Text Length			
209	184	198	128	104	200	218	130	194	194	132	209											EM 2000 1682
																						E 2000 1036
855	198	148	184	194	172	132	209															

Spacing Factor is 1 unless specified otherwise  
 FILENAME: GSENG

SIGN NUMR: 201 TYPE: A Ground QUANTITY: 1  
 BACKG. COLOR: Green COPY COLOR: White  
 DESIGN BY: DME PROJECT ID: X-0002BB  
 CHK BY: AIA DIV: 6  
 STD #: SSTN DATE: Apr 13, 2012  
 N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRANSPORTATION MOBILITY AND SAFETY SIGNING AND DELINEATION

SIGN WIDTH: 2700mm HEIGHT: 1500mm TOTAL AREA: 4.1 Sq.m  
 MAT'L: 3.2 mm ALUMINUM  
 BORDER TYPE: FLUSH RECESS: 0mm WIDTH: 40mm RADIUS: 150mm  
 NO. Z BARS: 2 LENGTH: 2496.8 mm

SYMBOL	X	Y	WID	HT
ARMED	1973	153	464	743



USE NOTES: 2,5  
 1. Legend and border shall be direct applied Grade A reflective sheeting.  
 2. Legend and border shall be direct applied Grade C reflective sheeting.  
 3. Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.  
 4. Background shall be Grade B reflective sheeting.  
 5. Background shall be Grade C reflective sheeting.  
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

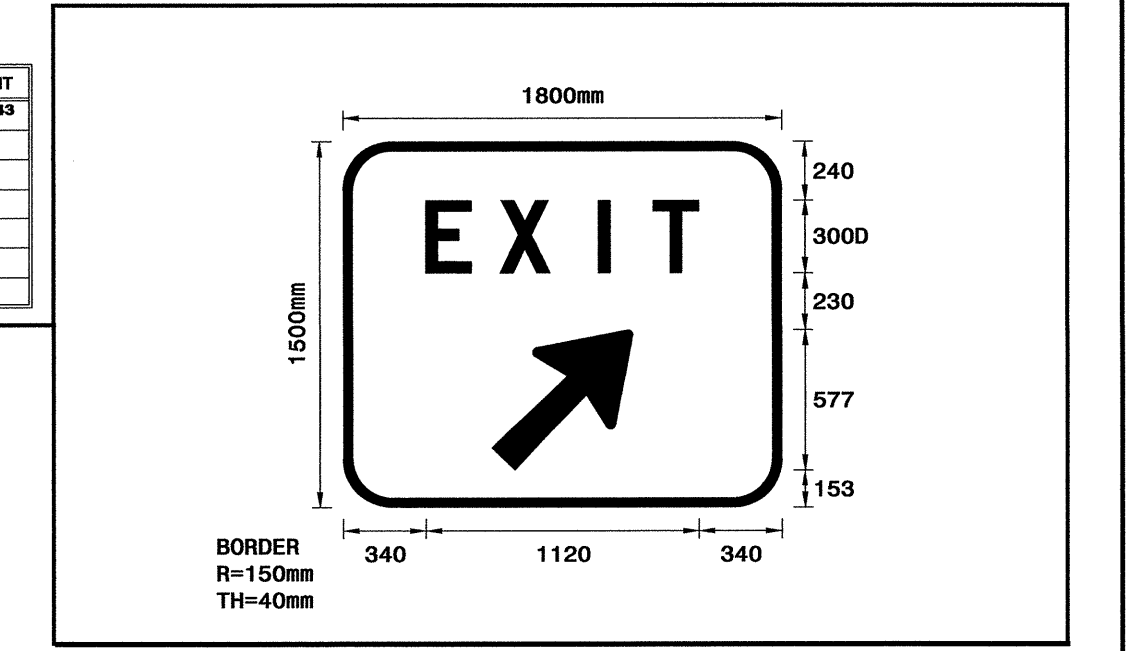
E	X	I	T											Series/Size Text Length		
787	306	408	228	186	786											D 2000 1127
	2	1				C					E 2000 1240					
365	441	135	300	364	1095											

Spacing Factor is 1 unless specified otherwise  
 FILENAME: GSENG

SIGN NUMR: 203,204,205 TYPE: A Ground QUANTITY: 3  
 BACKG. COLOR: Green COPY COLOR: White  
 DESIGN BY: DME PROJECT ID: X-0002BB  
 CHK BY: AIA DIV: 6  
 STD #: SSTN DATE: Apr 13, 2012  
 N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRANSPORTATION MOBILITY AND SAFETY SIGNING AND DELINEATION

SIGN WIDTH: 1800mm HEIGHT: 1500mm TOTAL AREA: 2.7 Sq.m  
 MAT'L: 3.2 mm ALUMINUM  
 BORDER TYPE: FLUSH RECESS: 0mm WIDTH: 40mm RADIUS: 150mm  
 NO. Z BARS: 2 LENGTH: 1596.8 mm

SYMBOL	X	Y	WID	HT
ARMED	612	153	464	743



USE NOTES: 2,5  
 1. Legend and border shall be direct applied Grade A reflective sheeting.  
 2. Legend and border shall be direct applied Grade C reflective sheeting.  
 3. Shields shall be Grade A reflective sheeting on 0.8 mm aluminum and demountable.  
 4. Background shall be Grade B reflective sheeting.  
 5. Background shall be Grade C reflective sheeting.  
 6. Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

E	X	I	T											Series/Size Text Length		
340	304	405	225	186	340											D 2000 1120

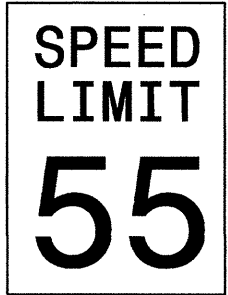
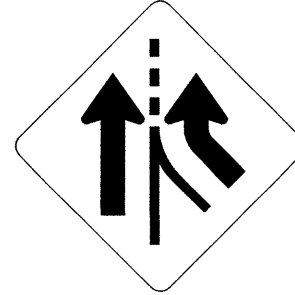
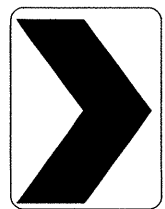

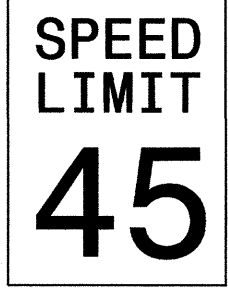
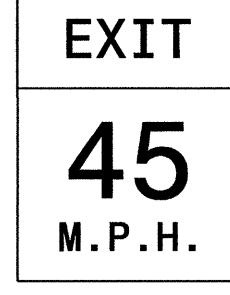
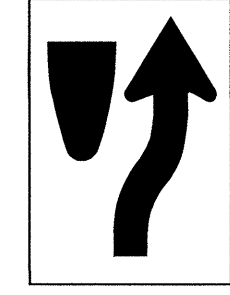
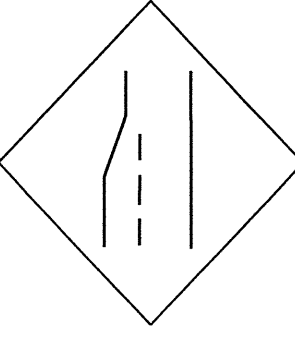

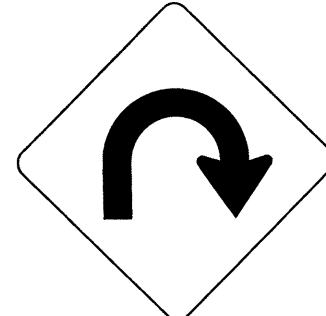
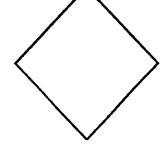




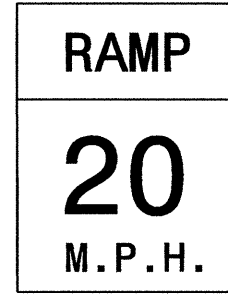
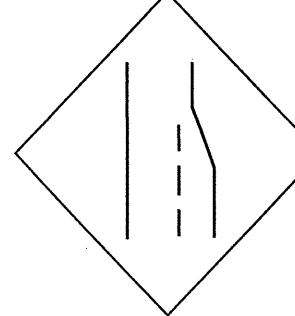
Spacing Factor is 1 unless specified otherwise  
 FILENAME: GSENG

25-MAR-2012 08:57  
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 10/27/12 10:27:58 AM  
 meason

# SIGN DESIGNS



TIP NO. X-0002BB	SHEET NO. SIGN-31
APPROVED: <i>[Signature]</i>	
DATE: 5/31/12	
SEAL	

<p>401 QUANTITY REQ'D <u>2</u></p>  <p>1200 X 1500 R2-1</p> <p>TWO "U" POSTS PER SIGN</p>	<p>406 QUANTITY REQ'D <u>3</u></p>  <p>1200 X 1200 W4-3 (R)</p> <p>TWO "U" POSTS PER SIGN</p>	<p>411 QUANTITY REQ'D <u>7</u></p>  <p>760 X 900 W1-8 (R)</p> <p>ONE "U" POST PER SIGN</p>	<p>416 QUANTITY REQ'D <u>2</u></p>  <p>1200 X 1200 W9-1 (L)</p> <p>TWO "U" POSTS PER SIGN</p>			
<p>402 QUANTITY REQ'D <u>3</u></p>  <p>1200 X 1500 R2-1</p> <p>TWO "U" POSTS PER SIGN</p>	<p>407 QUANTITY REQ'D <u>1</u></p>  <p>1200 X 1500 W13-2</p> <p>TWO "U" POSTS PER SIGN</p>	<p>412 QUANTITY REQ'D <u>2</u></p>  <p>600 X 750 R4-7</p> <p>ONE "U" POST PER SIGN</p>	<p>417 QUANTITY REQ'D <u>2</u></p>  <p>1200 X 1200 W4-2(L)</p> <p>TWO "U" POSTS PER SIGN</p>			
<p>403 QUANTITY REQ'D <u>2</u></p>  <p>900 X 900 R3-7</p> <p>ONE "U" POST PER SIGN</p>	<p>408 QUANTITY REQ'D <u>1</u></p>  <p>1200 X 1200 W1-11 (R)</p> <p>TWO "U" POSTS PER SIGN</p>	<p>413 QUANTITY REQ'D <u>2</u></p>  <p>450 X 450 OM1-3</p> <p>MOUNT BELOW SIGN NO. 412 IN <u>2</u> INSTALLATIONS</p>				
<p>404 QUANTITY REQ'D <u>6</u></p>  <p>900 X 600 R5-1a</p> <p>ONE "U" POST PER SIGN</p>	<p>409 QUANTITY REQ'D <u>1</u></p>  <p>600 X 600 W13-1P</p> <p>MOUNT BELOW SIGN NO. 408 IN <u>1</u> INSTALLATION</p>	<p>414 QUANTITY REQ'D <u>2</u></p>  <p>1200 X 1200 W9-1 (R)</p> <p>TWO "U" POSTS PER SIGN</p>				
<p>405 QUANTITY REQ'D <u>2</u></p>  <p>1350 X 450 R6-1 (R)</p> <p>TWO "U" POSTS PER SIGN</p>	<p>410 QUANTITY REQ'D <u>1</u></p>  <p>1200 X 1500 W13-3</p> <p>TWO "U" POSTS PER SIGN</p>	<p>415 QUANTITY REQ'D <u>2</u></p>  <p>1200 X 1200 W4-2(R)</p> <p>TWO "U" POSTS PER SIGN</p>				<p>NOTE: THIS DRAWING IS DIMENSIONED IN MILIMETERS UNLESS OTHERWISE DEPICTED WITHIN THE DRAWING.</p> <p><b>TYPE "E" SIGNS</b></p>

24-MAY-2012 11:54  
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 P:\TIP-Proj\0002BB\Traffic\Signing\CADD\Quantities & OH\_Signs\2bb-sgn\_tsh.dgn



TIP NO. X-0002BB	SHEET NO. SIGN-3J
APPROVED: <i>[Signature]</i>	
DATE: 5/31/12	
SEAL	

501

WEST	NORTH	2 - 610 X 305
24	87	2 - 610 X 610
←	←	2 - 530 X 380

TWO "U" POSTS PER SIGN

502

EAST	SOUTH	2 - 610 X 305
24	87	2 - 610 X 610

TWO "U" POSTS PER SIGN

503

WEST	1 - 610 X 305	
24	1 - 610 X 610	
NORTH	NORTH	1 - 610 X 305
87	210	1 - 610 X 610

EXISTING SIGN

TWO "U" POSTS PER SIGN

504

EAST	SOUTH	2 - 610 X 305
24	87	2 - 610 X 610
←	←	2 - 530 X 380

TWO "U" POSTS PER SIGN

505

EAST	1 - 610 X 305
210	1 - 610 X 610

ONE "U" POST PER SIGN

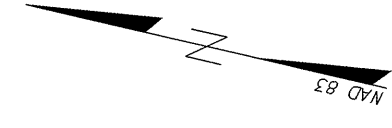
NOTE: THIS DRAWING IS DIMENSIONED IN MILIMETERS UNLESS OTHERWISE DEPICTED WITHIN THE DRAWING.

**TYPE "F" SIGNS**

24-MAY-2012 11:34  
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 mason\_41 12/27/12



10-MAY-2019 08:47  
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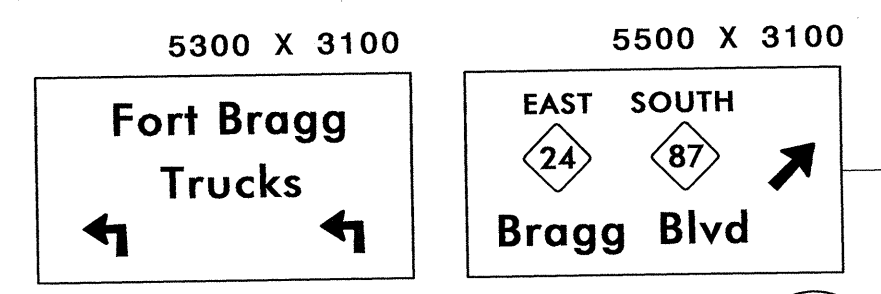


TIP NO. X-000288	SHEET NO. SIGN-4
APPROVED: <i>[Signature]</i>	DATE: 5/31/12
SEAL	

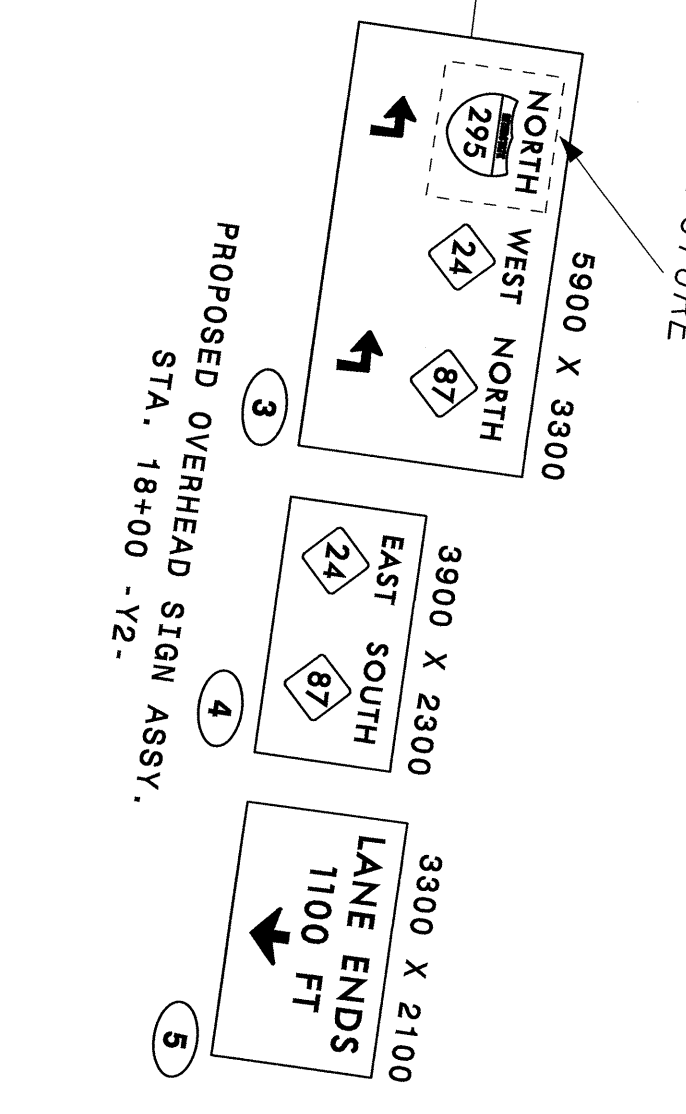
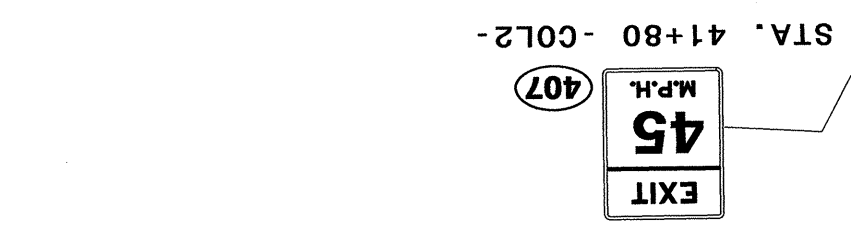
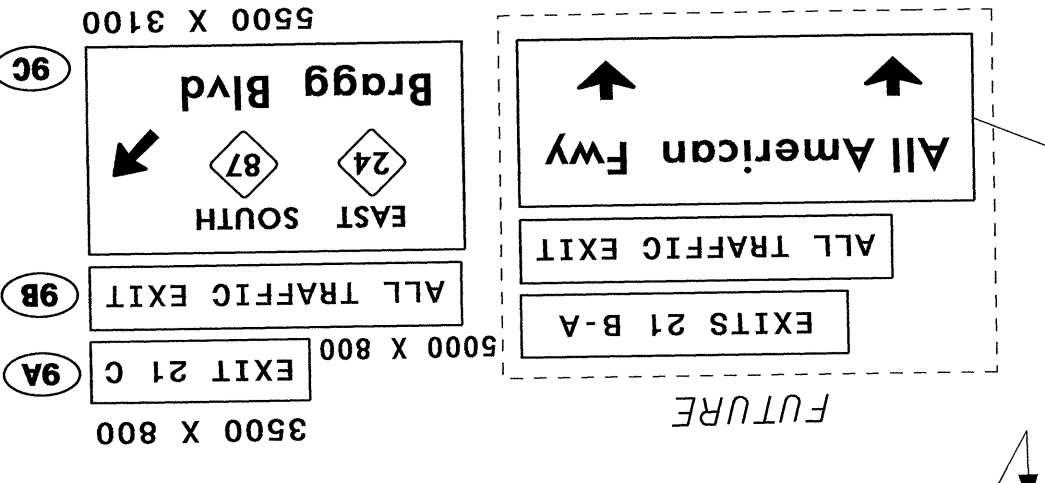
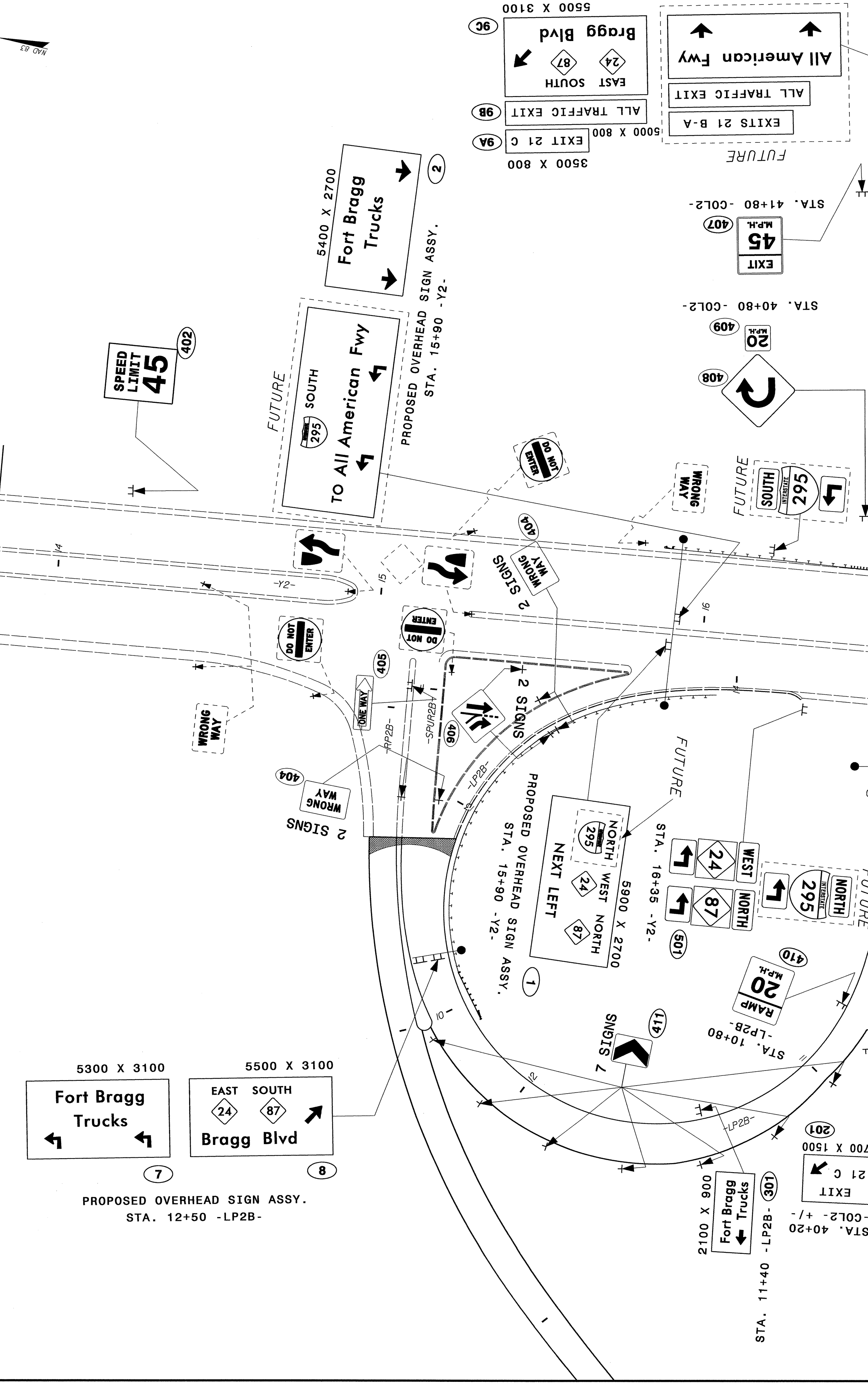
MATCHLINE STA. 13+80 -Y2-  
SEE SHEET SIGN-5

MATCHLINE STA. 43+40 -L-  
SEE SHEET SIGN-7

MATCHLINE STA. 19+40 -Y2-  
SEE SHEET SIGN-9

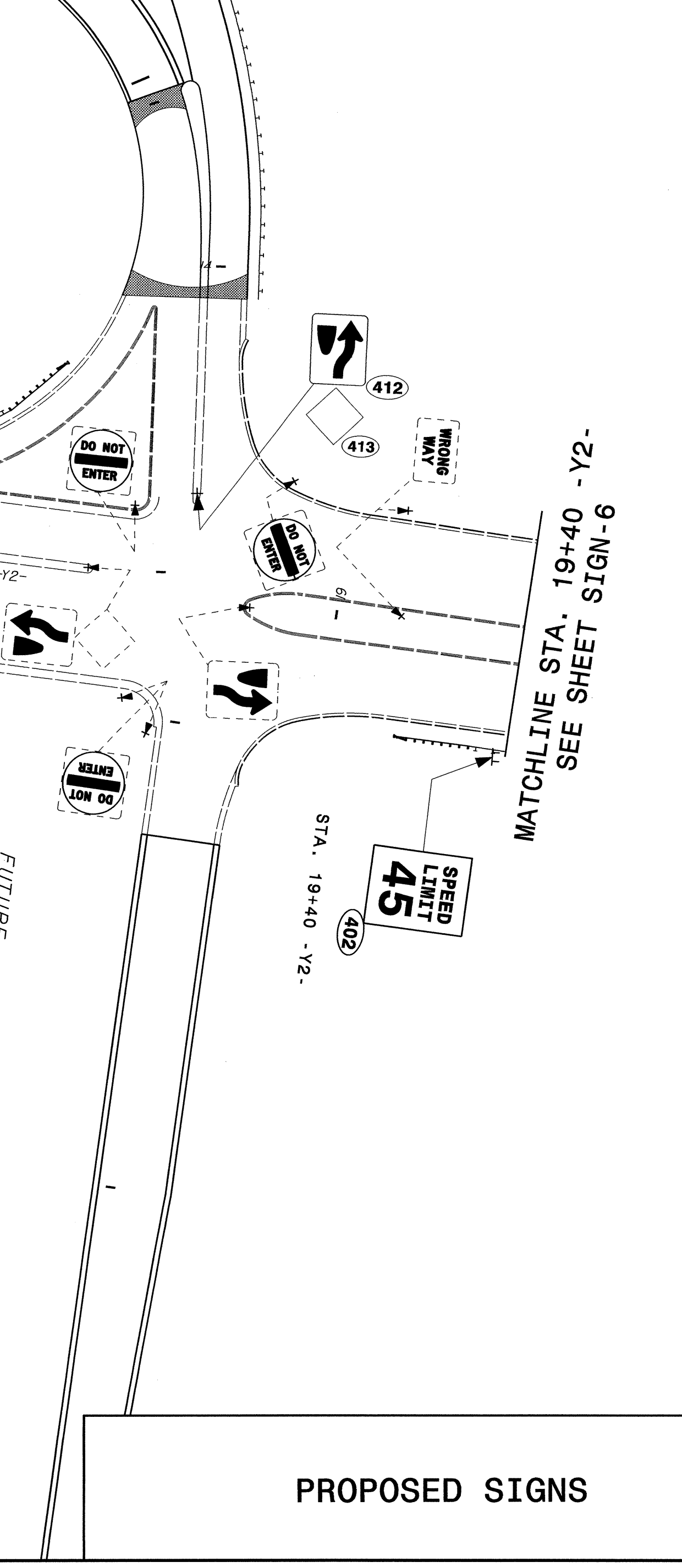


PROPOSED OVERHEAD SIGN ASSY.  
STA. 12+50 -LP2B-



PROPOSED OVERHEAD SIGN ASSY.  
STA. 18+00 -Y2-

PROPOSED OVERHEAD SIGN ASSY.  
STA. 18+00 -Y2-



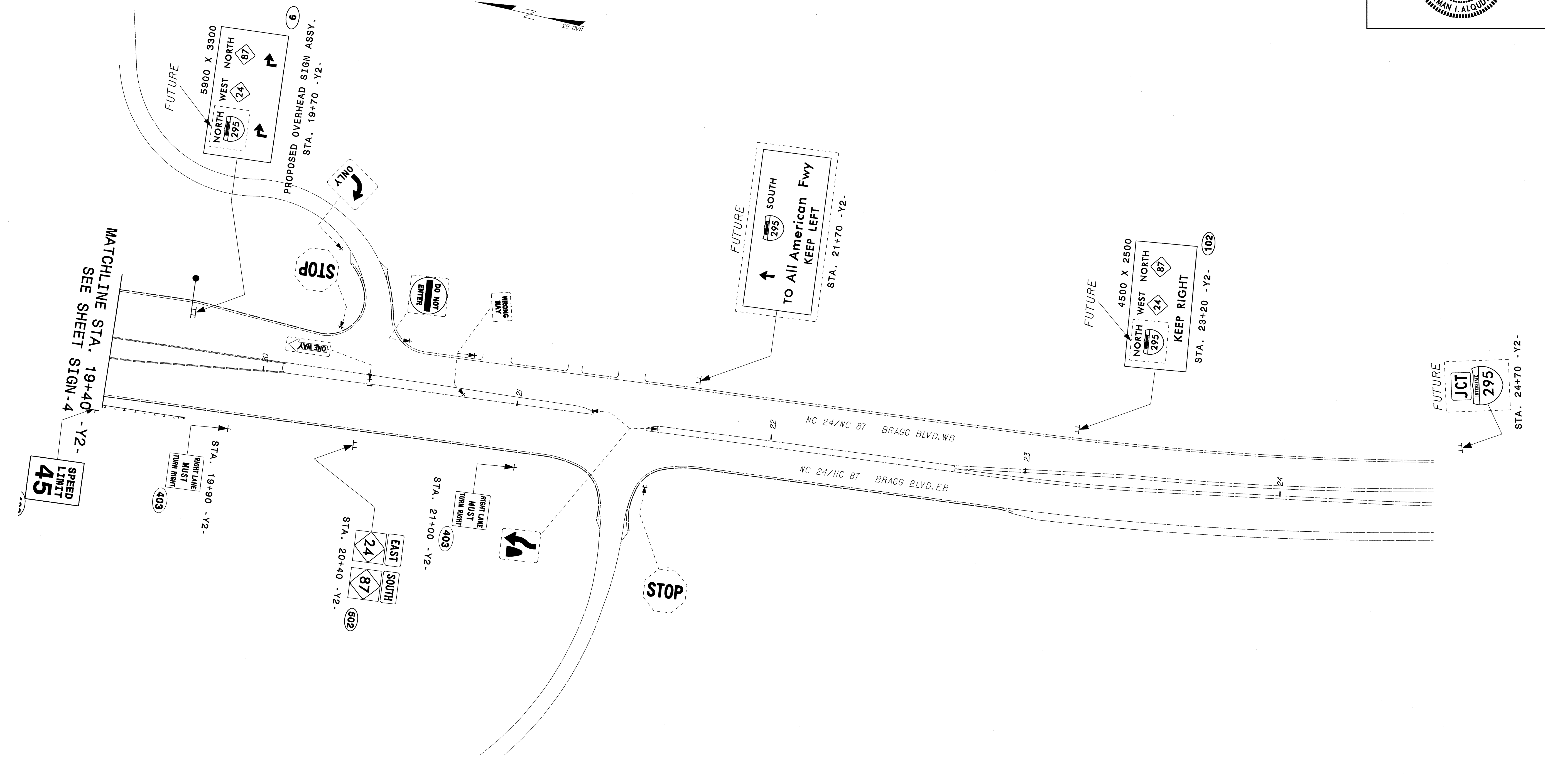
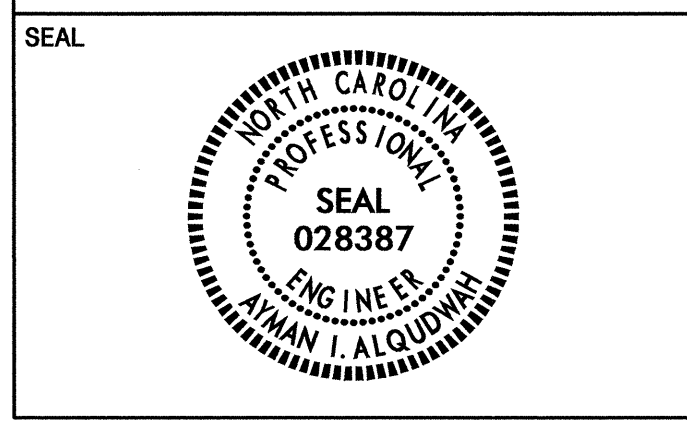
PROPOSED SIGNS







TIP NO. X-0002BB SHEET NO. SIGN-6  
 APPROVED: *[Signature]*  
 DATE: 5/31/12



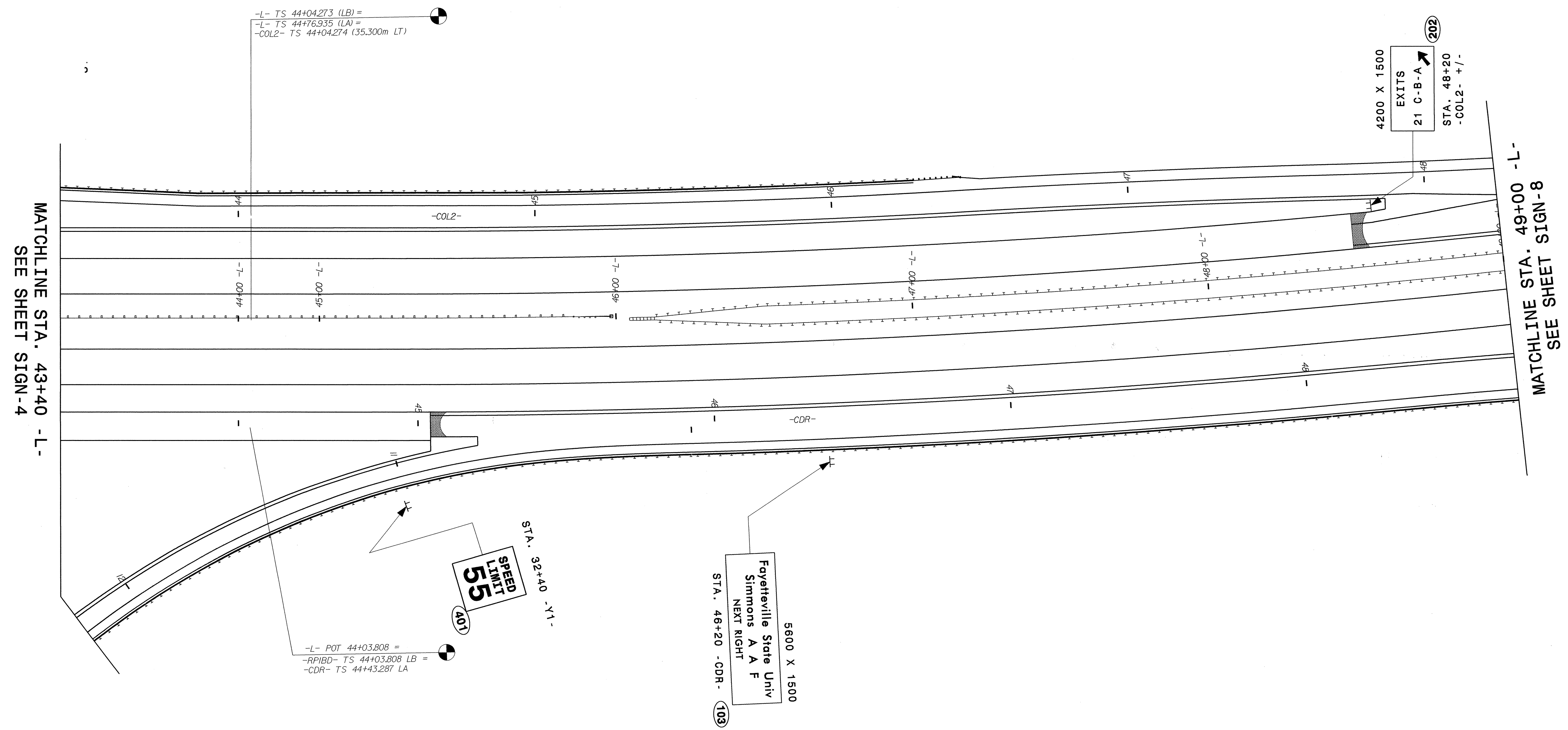
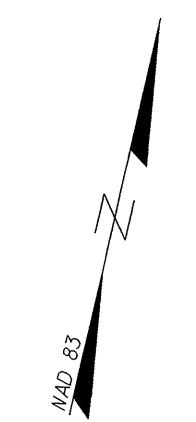
28 MAY 2012 15:30  
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 meason

PROPOSED SIGNS



TIP NO. X-000288	SHEET NO. SIGN-7
APPROVED: <i>[Signature]</i>	
DATE: 5/31/12	

SEAL

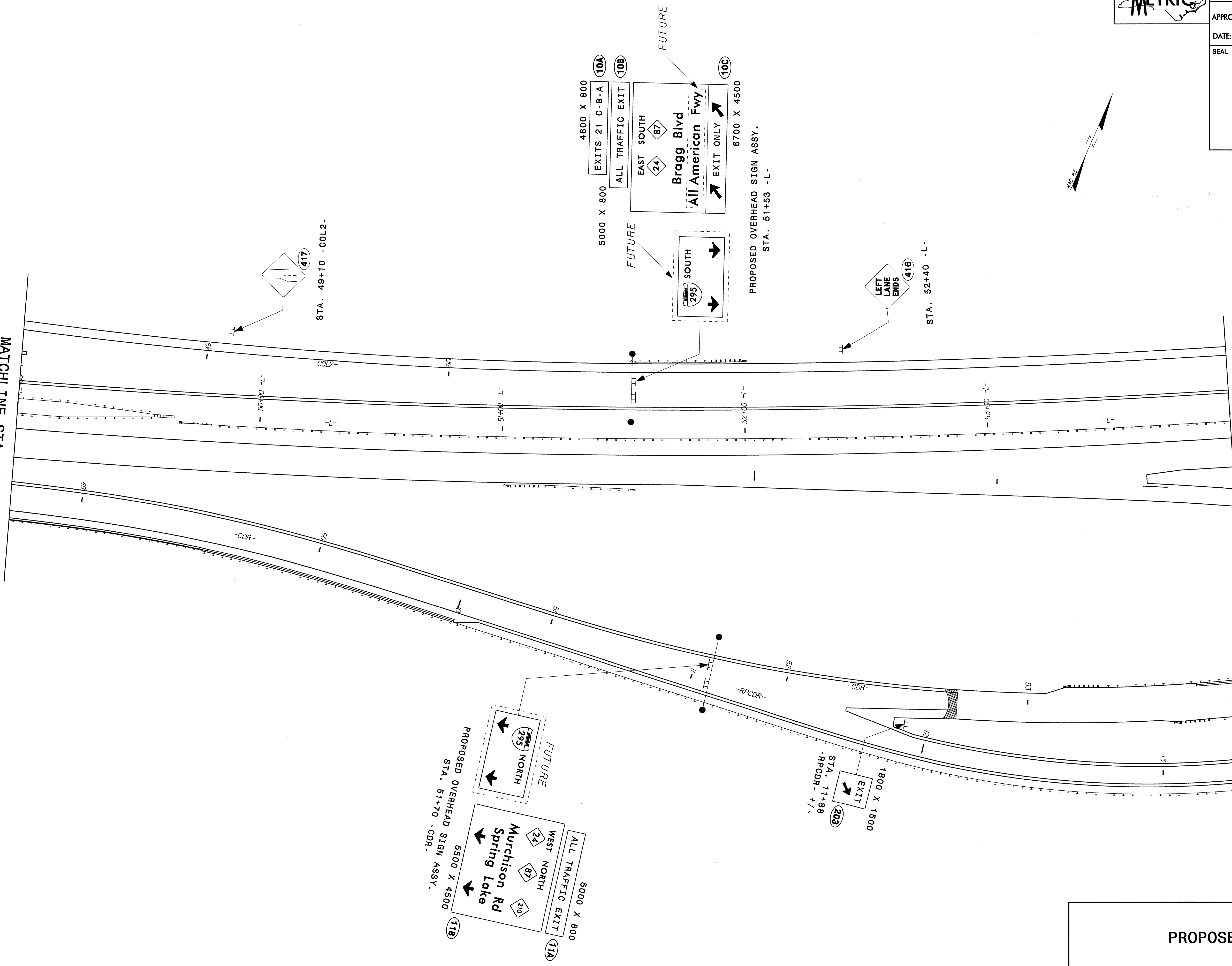


29 MAY 2012 08:37  
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 meason

PROPOSED SIGNS

PS: MAY 2010 10:39  
P:\TIP\2008\228B\Traffic\Signing\CADD\Signing\_Layout\_Plans\228b\_sgn-ps106.dgn  
reaston

MATCHLINE STA. 49+00 -L-  
SEE SHEET SIGN-7

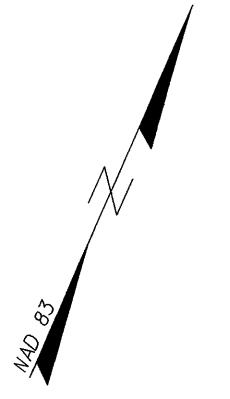
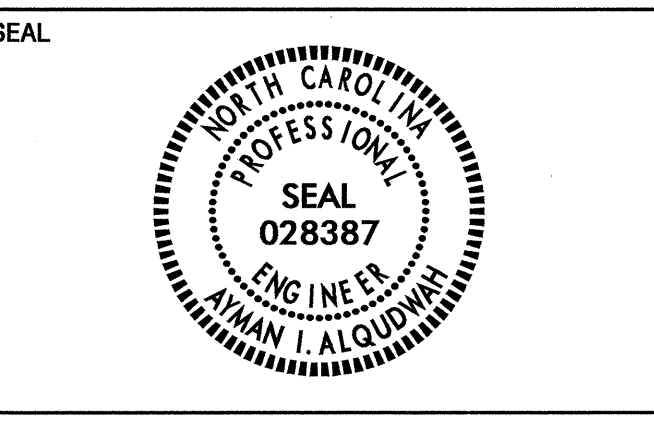


MATCHLINE STA. 54+00 -L-  
SEE SHEET SIGN-9

MATCHLINE STA. 12+40 -RPC-  
SEE SHEET SIGN-9



TIP NO. X-00028B SHEET NO. SIGN-8  
APPROVED: *[Signature]*  
DATE: 5/31/12

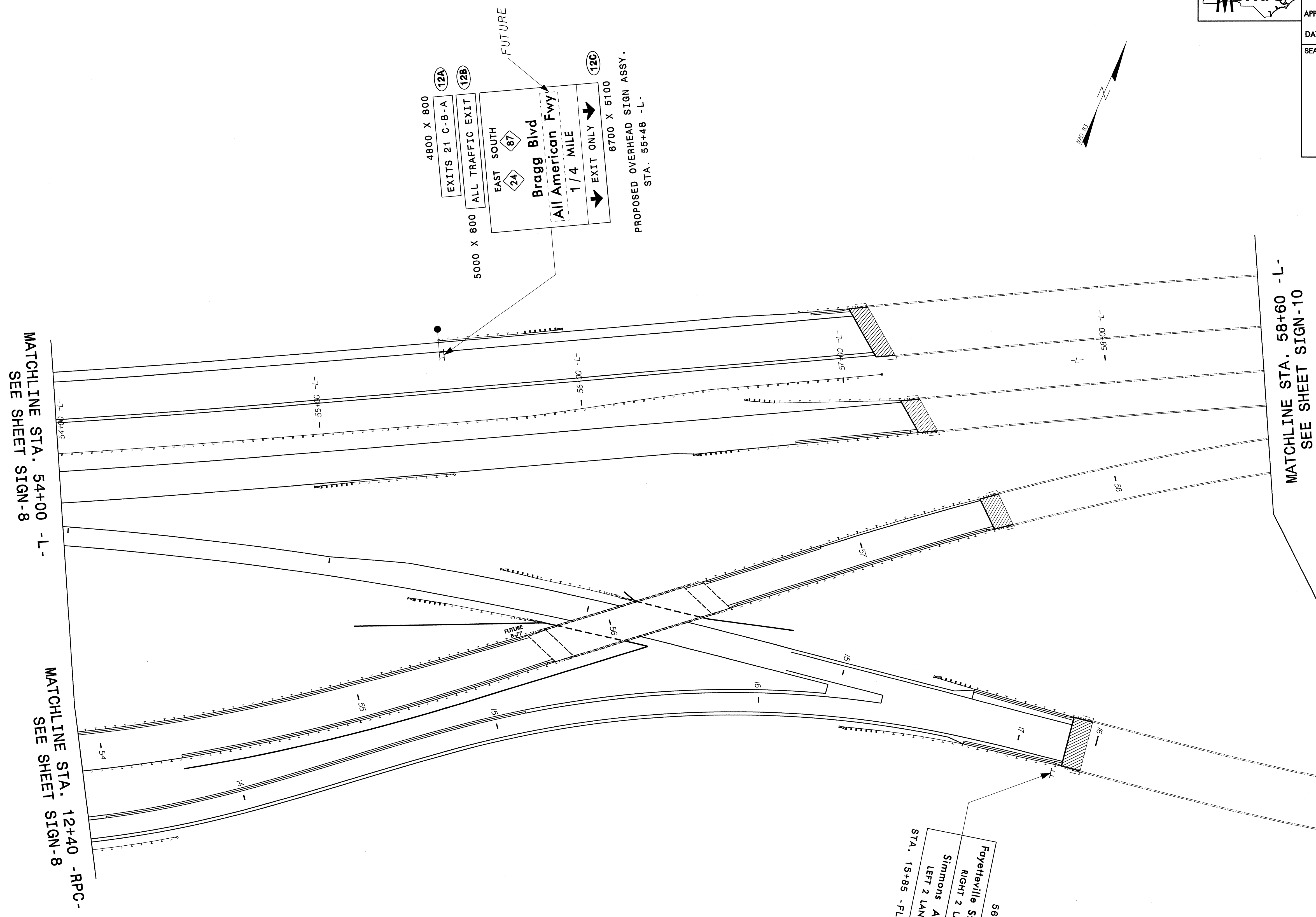
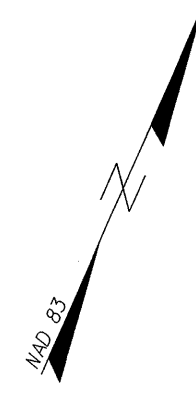


PROPOSED SIGNS





TIP NO. X-000288	SHEET NO. SIGN-9
APPROVED: <i>[Signature]</i>	
DATE: 5/31/12	
SEAL	



MATCHLINE STA. 54+00 -L-  
SEE SHEET SIGN-8

MATCHLINE STA. 12+40 -RPC-  
SEE SHEET SIGN-8

MATCHLINE STA. 58+60 -L-  
SEE SHEET SIGN-10

MATCHLINE 17+00 -FLYOVER-  
00+71  
SEE SHEET SIGN-10

4800 X 800  
EXITS 21 C-B-A (12A) (12B)  
5000 X 800 ALL TRAFFIC EXIT  
EAST SOUTH (87) (24)  
**Brogg Blvd**  
**All American Fwy**  
1/4 MILE  
EXIT ONLY (129)  
6700 X 5100  
PROPOSED OVERHEAD SIGN ASSY.  
STA. 55+48 -L-

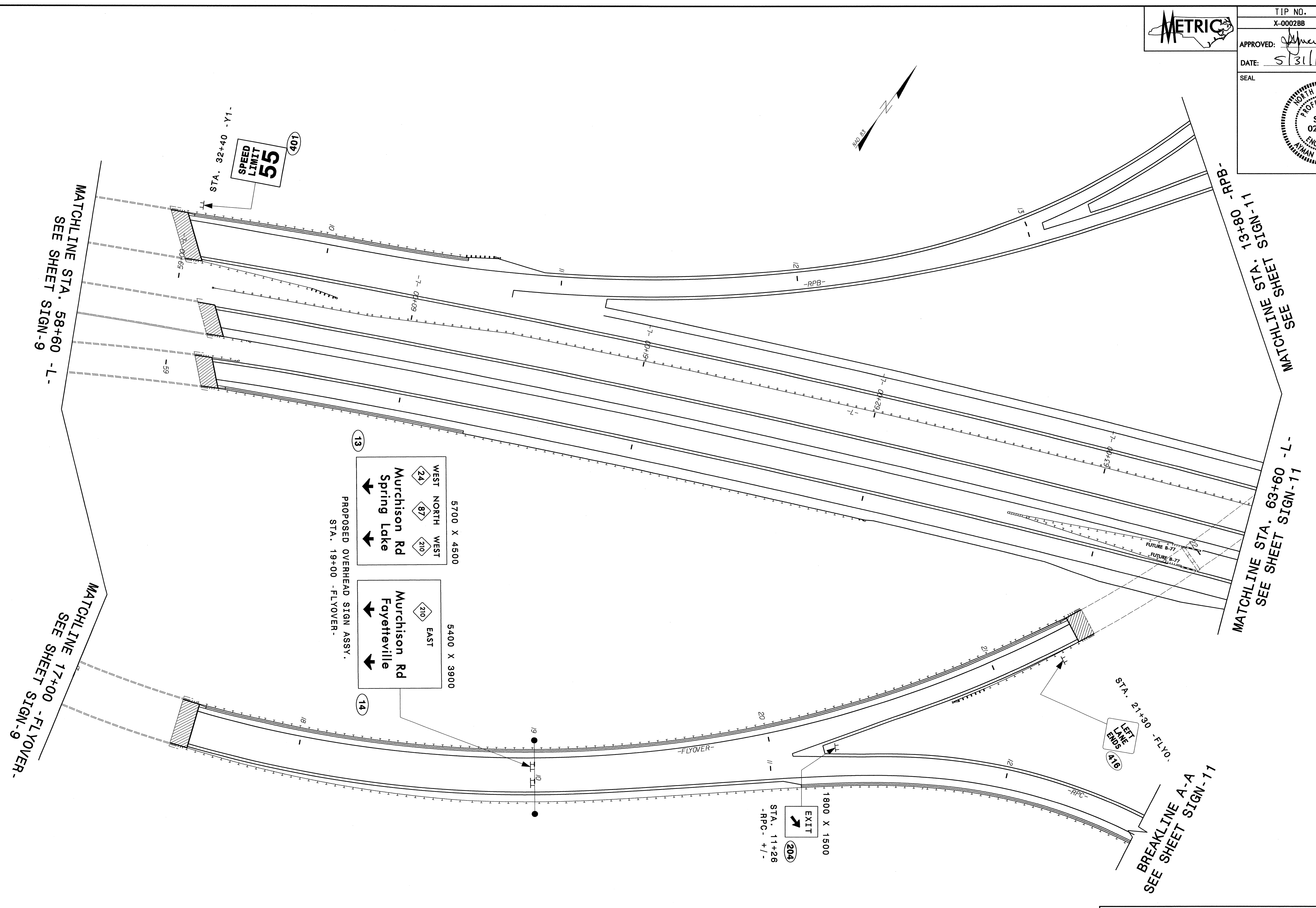
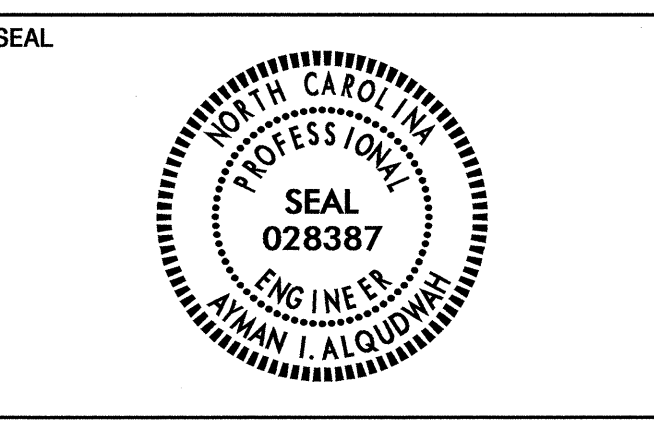
5600 X 2200  
**Fayetteville State Univ**  
RIGHT 2 LANES  
Simmons A A F  
LEFT 2 LANES  
STA. 15+85 -FLYOVER- (103)

20 MAY 2012 15:40  
 P:\TIP\0288\Traffic\Signing\CADD\Signing\_Layout\_Plans\X288\_sgn\_psh06.dgn  
 meaton

PROPOSED SIGNS



TIP NO. X-000288 SHEET NO. SIGN-10  
 APPROVED: *[Signature]*  
 DATE: 5/31/12

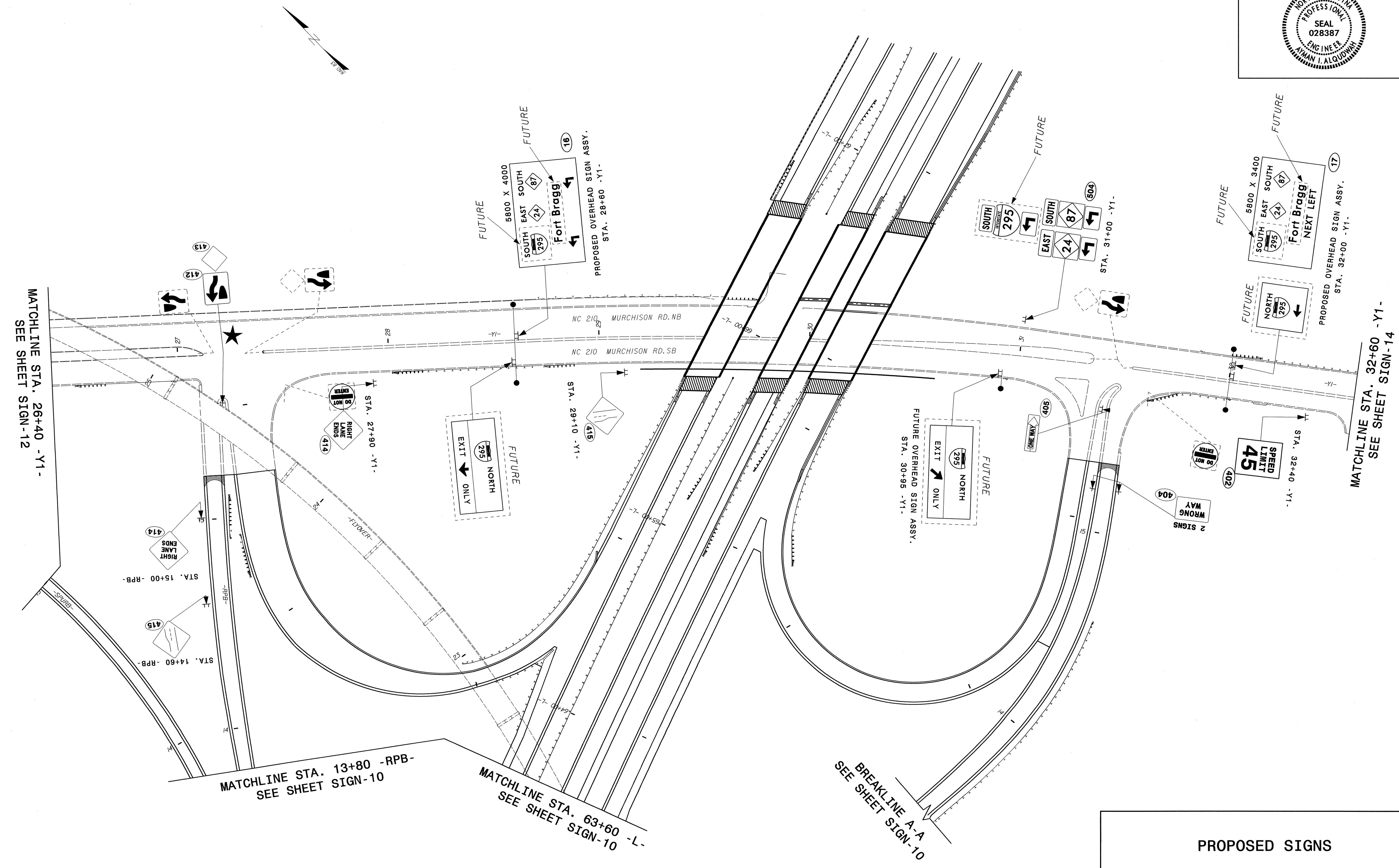
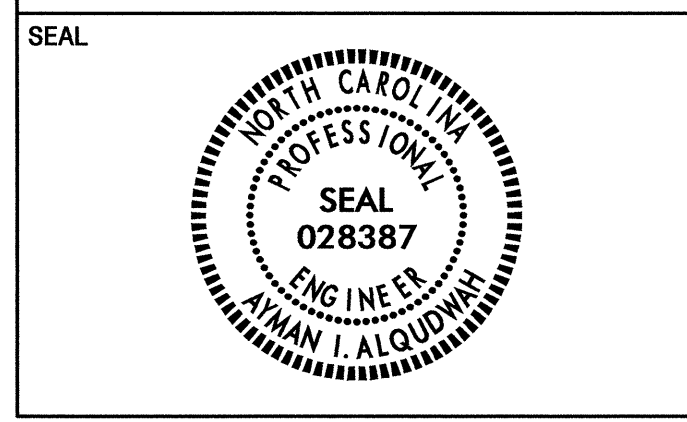


29 MAY 2012 10:41 AM  
 P:\Projects\2012\002888\Traffic\Signing\CADD\Signing\_Layout\Plans\2888\_sgn\_pln07.dgn  
 User: jay.alqudmani

**PROPOSED SIGNS**



TIP NO. X-0002BB SHEET NO. SIGN-11  
 APPROVED: *[Signature]*  
 DATE: 5/31/12

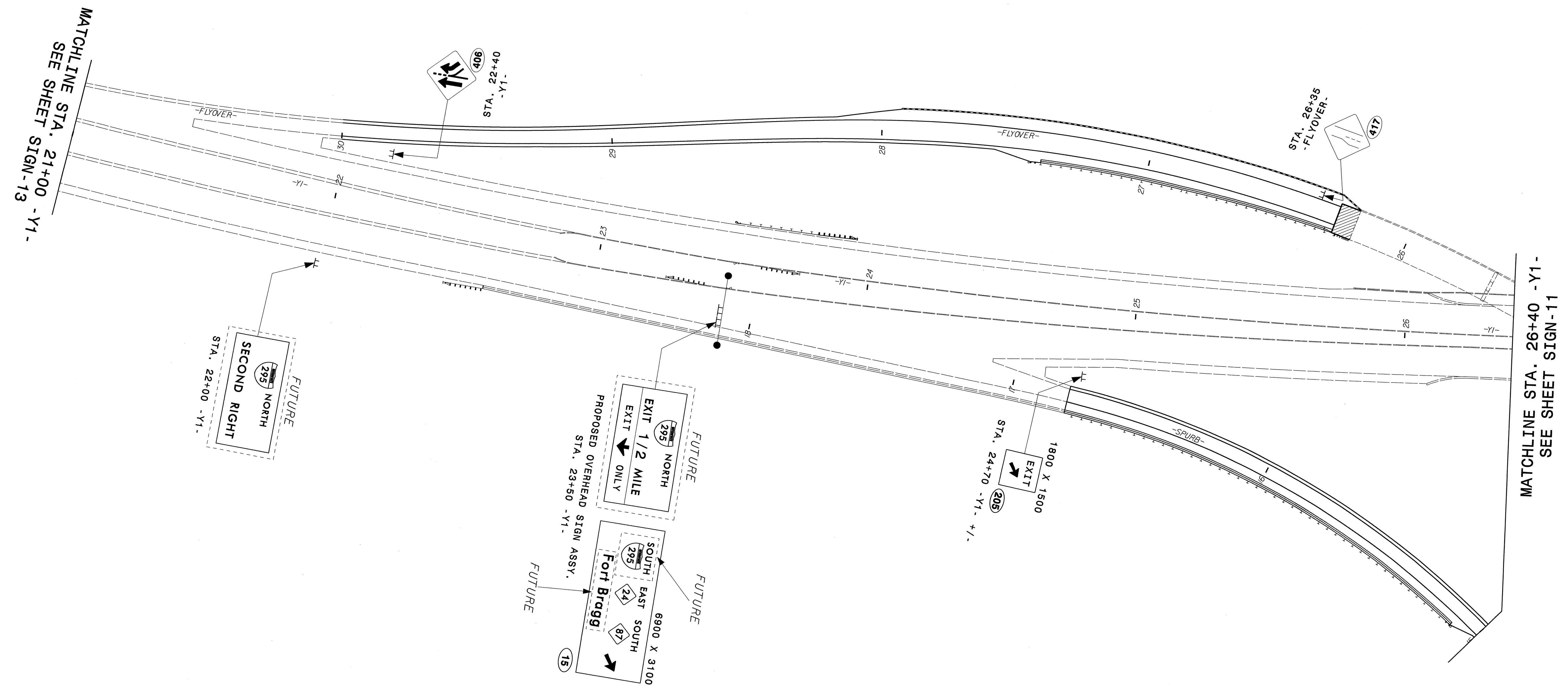
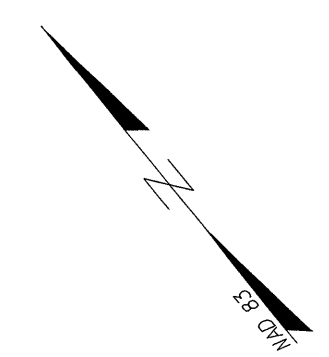
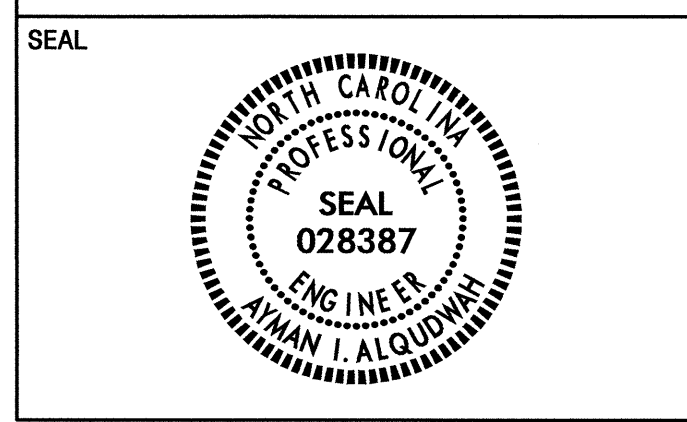


28-MAY-2012 15:42  
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 meaton

**PROPOSED SIGNS**



TIP NO. X-000288 SHEET NO. SIGN-12  
 APPROVED: *[Signature]*  
 DATE: 5/31/12



MATCHLINE STA. 21+00 -Y1 -  
 SEE SHEET SIGN-13

MATCHLINE STA. 26+40 -Y1 -  
 SEE SHEET SIGN-11

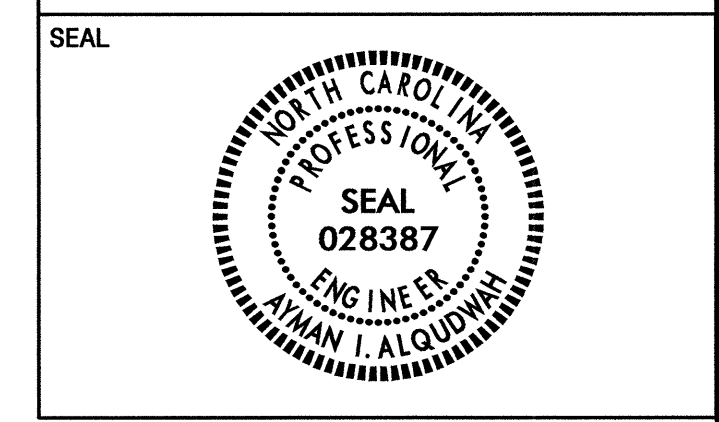
**PROPOSED SIGNS**

20-MAY-2012 14:00  
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 0288b\_sgn\_psh01.dwg

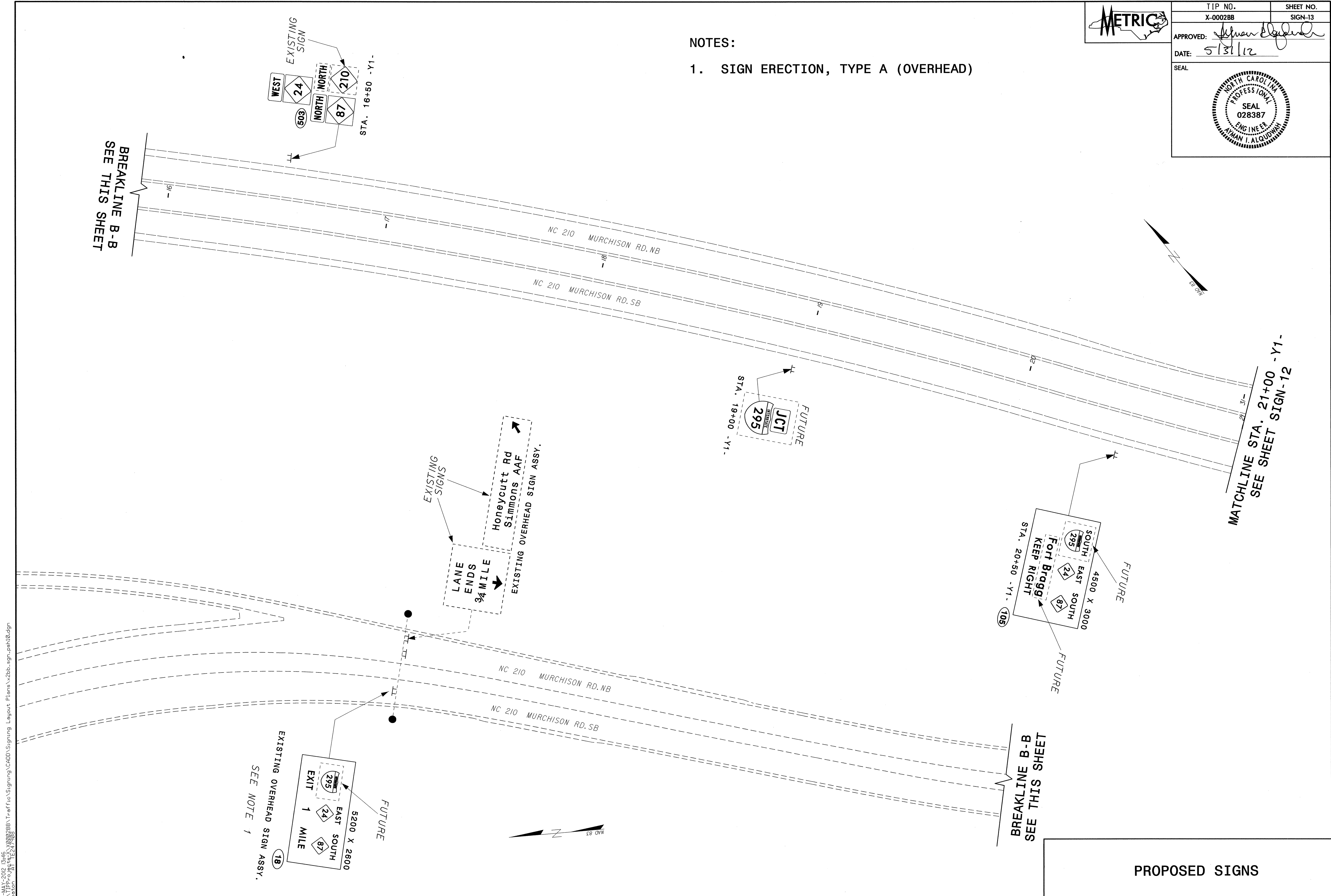




TIP NO. X-0002BB SHEET NO. SIGN-13  
 APPROVED: *[Signature]*  
 DATE: 5/13/12



NOTES:  
 1. SIGN ERECTION, TYPE A (OVERHEAD)



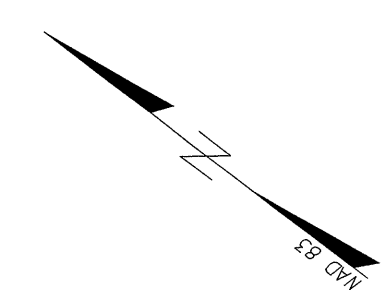
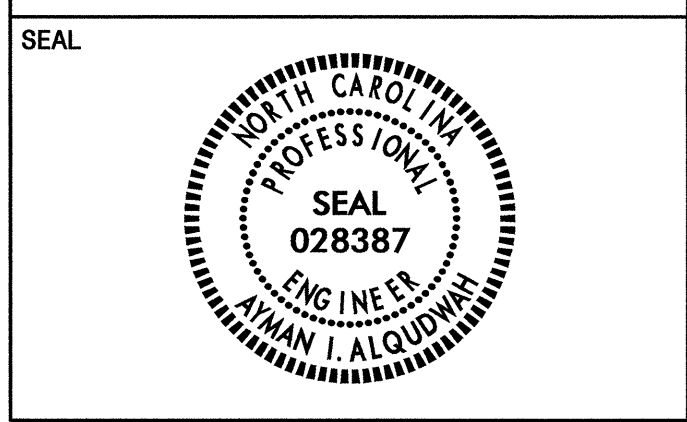
29-MAY-2012 10:46  
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 11 12/27/08

PROPOSED SIGNS

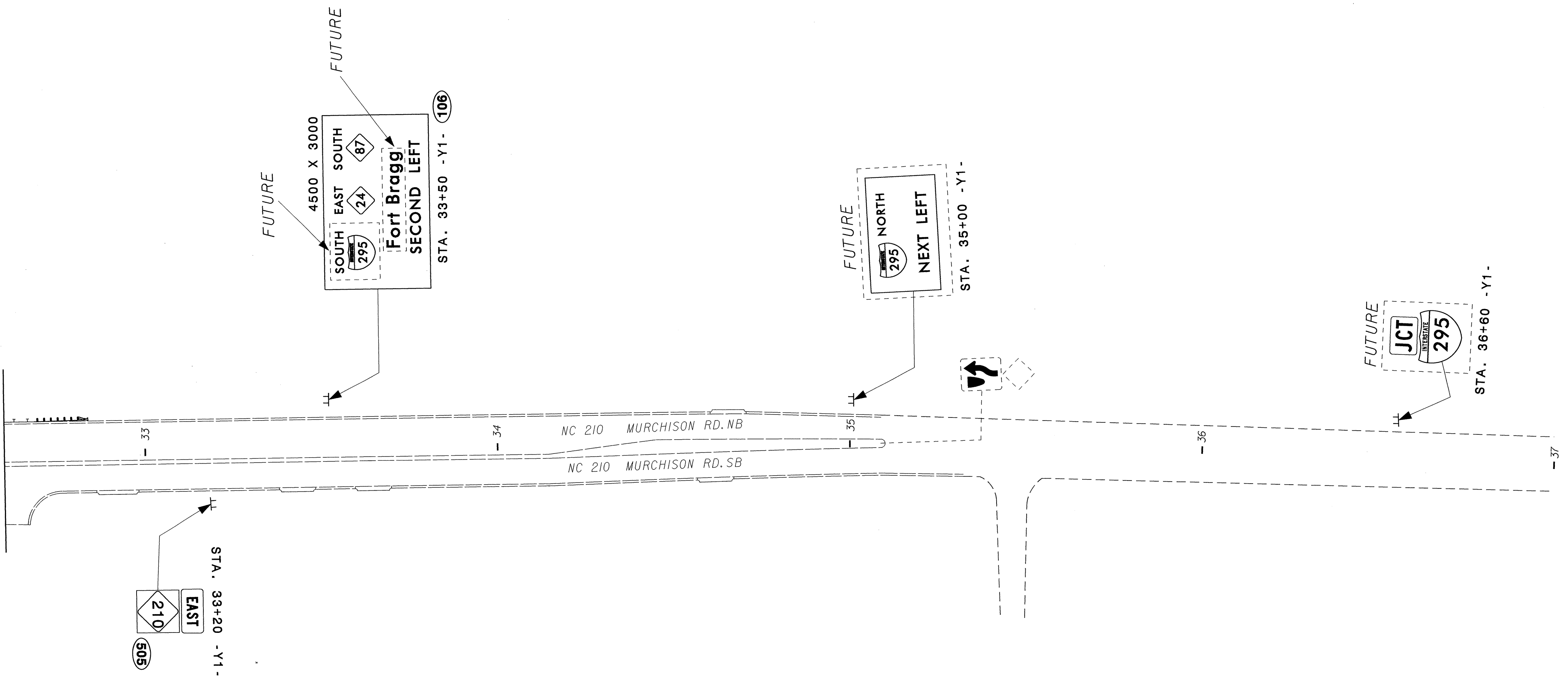




TIP NO. X-0002BB	SHEET NO. SIGN-14
APPROVED: <i>[Signature]</i>	
DATE: 5/31/12	



MATCHLINE STA. 32+60 -Y1-  
SEE SHEET SIGN-11



28-MAY-2012 15:47  
 P:\TIP-Proj\12\14\X-0002BB\Traffic\Signing\CADD\Signing Layout Plans\X-2bb-sgn-ph11.dgn  
 mason AH 12/27/08

PROPOSED SIGNS