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**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN  
WAKE COUNTY**

**LOCATION: BRIDGE NO. 227 ON US 70/US 401/NC 50 (CAPITAL BLVD) OVER PEACE ST AND  
BRIDGE NO. 213 ON US 70/NC 50 (WADE AVE) OVER US 401 (CAPITAL BLVD)**

PROJECT REFERENCE NO. <b>B-5121/B-5317</b>	SHEET NO. <b>SIGN-1</b>
APPROVED: <b>Ronald W. King</b> <small>13E7A77DBK4444</small>	
DATE: 4/12/2016	
SEAL 	
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**CONTRACT: C203751 T.I.P.: B-5121/B-5317**

**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
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.30	SUPPLEMENTAL SIGN MOUNTING
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

**SUMMARY OF QUANTITIES**

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	4	C.Y.
4054000000	902	PLAIN CONCRETE SIGN FOUNDATION	1	C.Y.
4057000000	SP	OVERHEAD FOOTING	37	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	1496	LB.
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM	1957	LB.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	1373	L.F.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION 30+74 NBL	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION 40+28 NBL	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STATION 50+00 NBL	1	L.S.
4096000000	904	SIGN ERECTION, TYPE D	4	EA.
4102000000	904	SIGN ERECTION, TYPE E	60	EA.
4108000000	904	SIGN ERECTION, TYPE F	8	EA.
4109000000	904	SIGN ERECTION, TYPE A (OVERHEAD)	5	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	11	EA.
4149000000	907	DISPOSAL OF SIGN SYSTEM, OVERHEAD	1	EA.
4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	2	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	58	EA.
4234000000	907	DISPOSAL OF SIGN, A OR B (OVERHEAD)	1	EA.

**GENERAL NOTES**

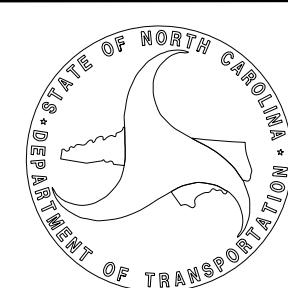
- . SIGNS FURNISHED BY STATE
- . ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- . IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- . ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- . WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- . 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.

**INDEX**

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2 & 2B	SUPPORT INFORMATION
SIGN-3-3I	OVERHEAD DETAILS, SIGN DESIGNS, AND E & F SHEET
SIGN-4-8	SIGNING PLAN SHEETS
SIGN-9-10	EXISTING SIGNING PLAN SHEETS

PLAN PREPARED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT

R.B. ROACH, P.E. SIGNING & DELINEATION REGIONAL ENGINEER  
S.W. JOHNS SIGNING & DELINEATION DESIGN ENGINEER

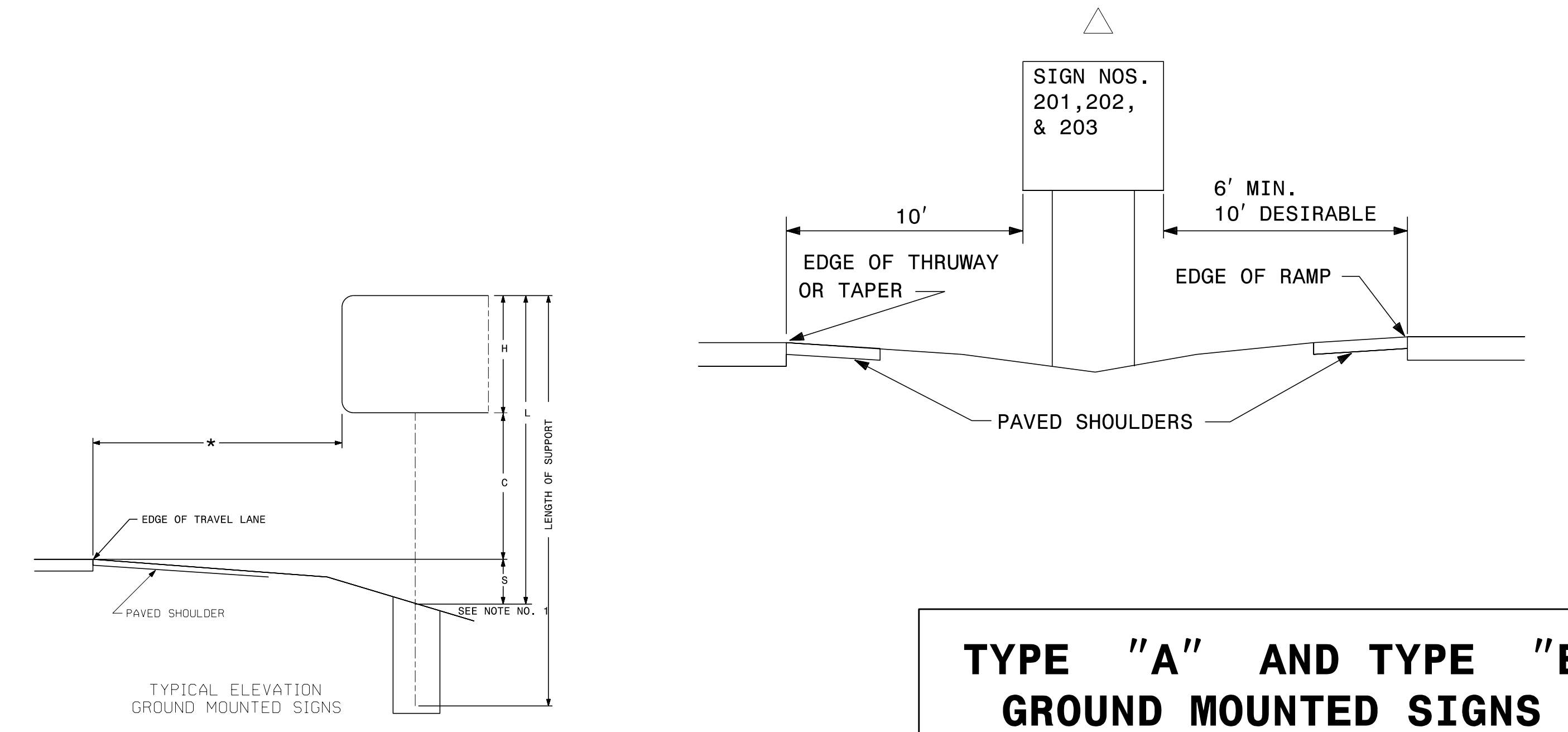


SIGN NO.	SIGN TYPE	SIGN SIZE (in.)		ROADWAY STATION	NO. OF SUP.	BEAM SECTION	SUPPORT TYPE	ATTACH METHOD	MOUNTING METHOD	HORIZ. CLR. (ft.)	LENGTH (ft)			LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			FOOTING DIAMETER (ft.)	FOOTING DEPTH (ft.)	B/A SUPPORT WEIGHTS (lbs.)	SIMPLE SUPPORT WEIGHTS (lbs.)	REINF. FTGS. (c.y.)	PLAIN FTGS. (c.y.)	FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)
		w	x								h	SNS HT	MTG HT	EMBED-MENT	S	L	TOTAL LENGTH	S	L	TOTAL LENGTH	S	L							
101	A	144	X78	12+40-L-	2	W6x12	BA	N/A	N/A	14.00	6.50	10.00	4.5	-1.16	15.34	19.84	0.00	0.00	0.00	-3.00	13.50	18.00	1.5	5	532.02	0.00	0.65	0.00	
102	A	186	X162	20+60-L-	2	W10x26	S	N/A	N/A	10.00	13.50	7.00	6.5	1.05	21.55	28.05	0.00	0.00	0.00	3.85	24.35	30.85	2.50	7	0.00	1531.37	2.55	0.00	
103	A	192	X48	25+60-L-	2	W6x12	S	N/A	N/A	18.00	4.00	7.00	4.5	0.02	11.02	15.52	0.00	0.00	0.00	4.42	15.42	19.92	1.50	5	0.00	425.29	0.65	0.00	
104	A	144	X54	39+00-L-	2	S4x7.7	BA	N/A	N/A	14.50	4.50	7.00	4.5	0.35	11.85	16.35	0.00	0.00	0.00	0.24	11.74	16.24	1.00	5	290.94	0.00	0.00	0.29	
201	A	72	X60	15+50-L-	2	S3x5.7	BA	N/A	N/A	△	5.00	7.00	3.5	1.00	13.00	16.50	0.00	0.00	0.00	1.00	13.00	16.50	1.00	4	224.10	0.00	0.00	0.23	
202	A	72	X60	43+00	2	S3x5.7	BA	N/A	N/A	△	5.00	7.00	3.5	1.00	13.00	16.50	0.00	0.00	0.00	1.00	13.00	16.50	1.00	4	224.10	0.00	0.00	0.23	
203	A	72	X60	16+00-NBL-	2	S3x5.7	BA	N/A	N/A	△	5.00	7.00	3.5	1.00	13.00	16.50	0.00	0.00	0.00	1.00	13.00	16.50	1.00	4	224.10	0.00	0.00	0.23	

TOTAL	1495.26	TOTAL	1956.66	TOTAL	3.85	TOTAL	0.99
USE:	1496	1957	4	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**

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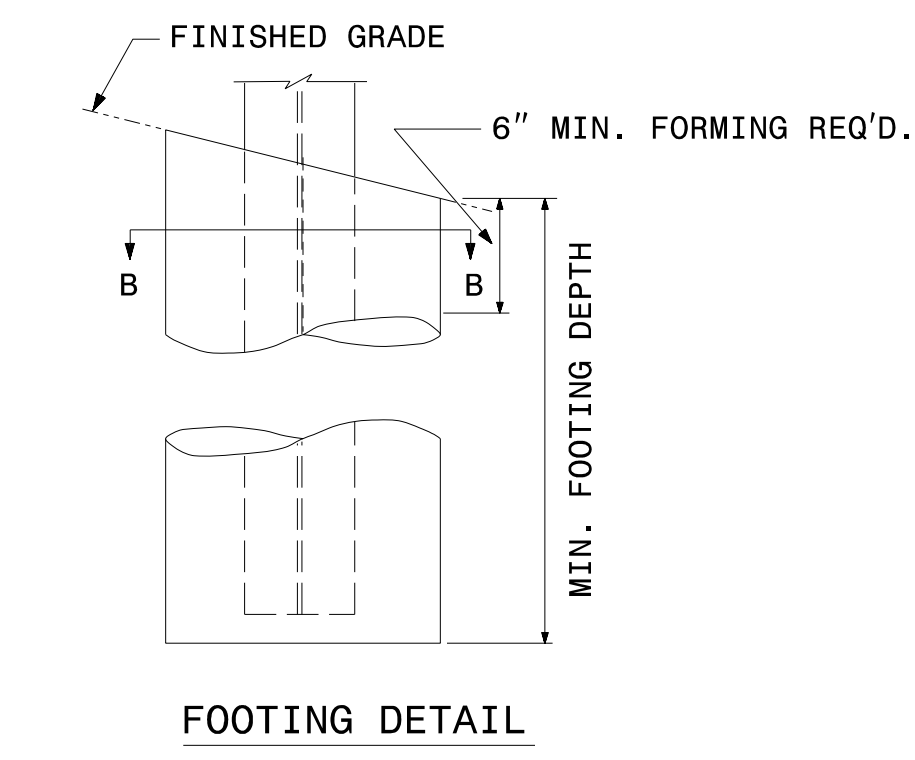
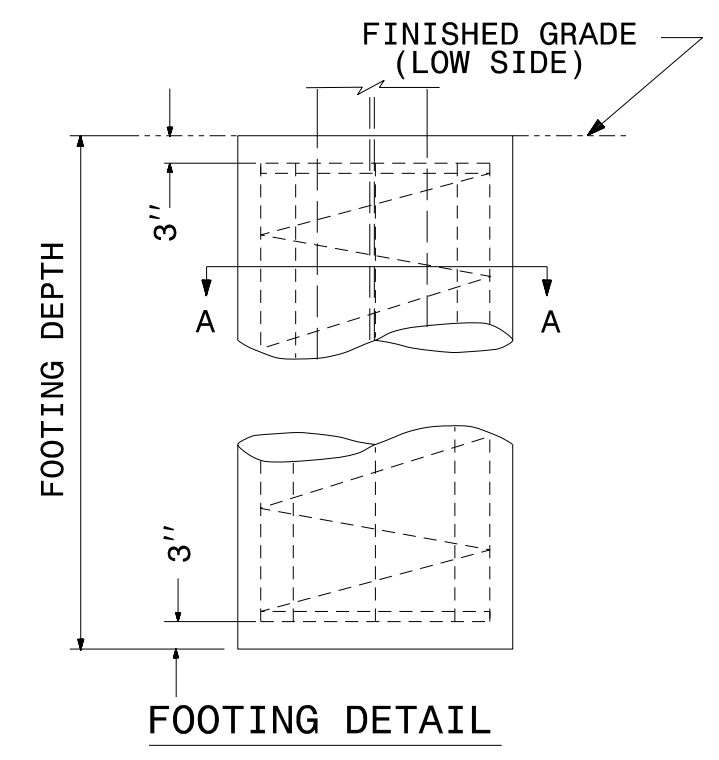
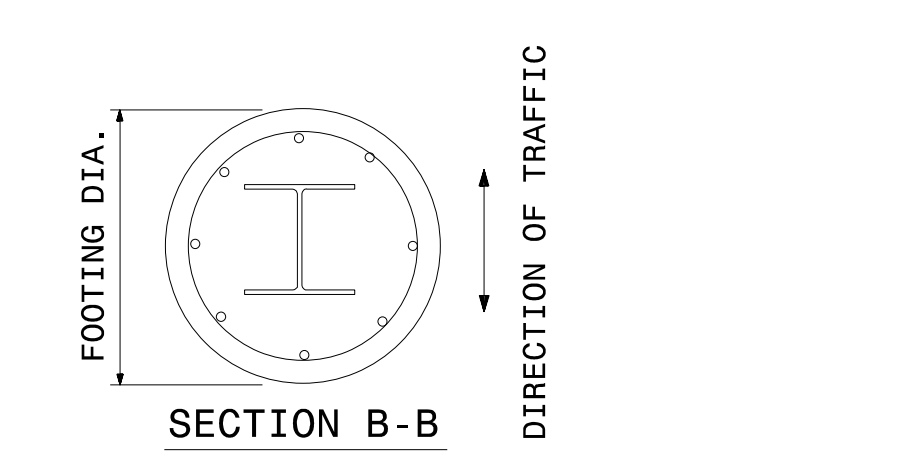
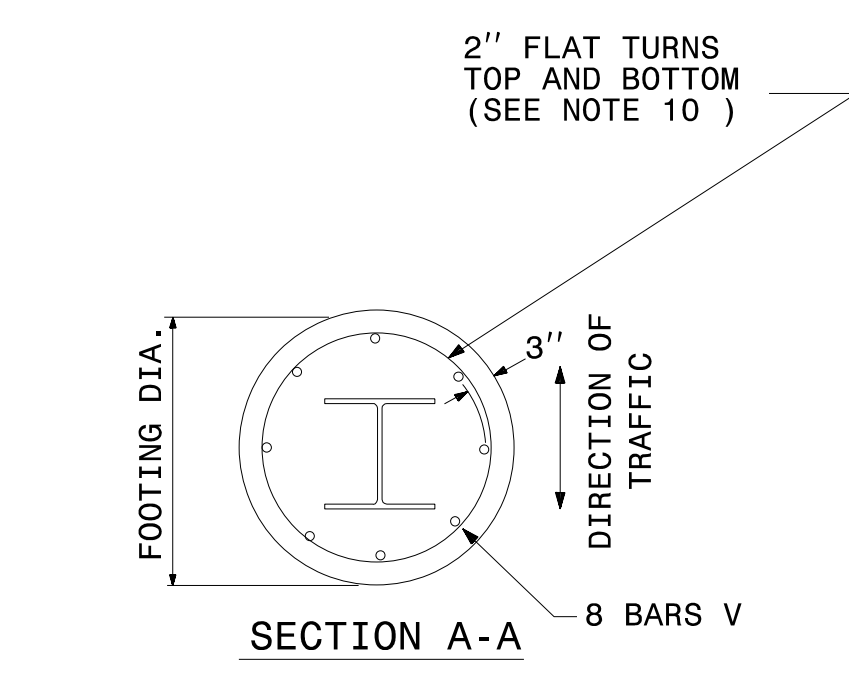
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ENGLISH DETAIL DRAWING FOR  
**GROUND MOUNTED SIGN SUPPORTS**

SHEET 2 OF 3  
**903D10**

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 3/4"	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.X1 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.X1 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.X1 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"	11/32"	11"	5"	1 1/4"	7/8"	3 1/4"	11/32"	28 GAUGE	5/8"DIA.X 2"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	11/32"	3/8"	39
W6X16	5/8"DIA.X 4 1/2"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/2"	11/32"	12"	6"	1 1/4"	7/8"	4 1/4"	11/32"	28 GAUGE	5/8"DIA.X2 1/4"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	11/32"	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"	11/32"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	11/32"	28 GAUGE	5/8"DIA.X2 1/4"	5 1/4"	4"	4 1/2"	1"	1 1/8"	5/8"	2 1/4"	11/32"	1/2"	70
W8X21	3/4"DIA.X 4 1/2"	14"	7"	1 1/2"	1"	5"	1 1/2"	13/32"	14"	7"	1 1/2"	1"	5"	13/32"	28 GAUGE	3/4"DIA.X2 1/2"	5 1/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	13/32"	1/2"	73
W10X22	3/4"DIA.X 4 1/2"	16"	8"	1 1/2"	1"	6"	1 1/2"	13/32"	16"	8"	1 1/2"	1"	6"	13/32"	28 GAUGE	3/4"DIA.X2 1/2"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	13/32"	1/2"	119
W10X26	3/4"DIA.X 5 1/2"	16 1/2"	8"	1 1/2"	1"	6"	1 3/4"	13/32"	16 1/2"	8"	1 1/2"	1"	6"	13/32"	28 GAUGE	3/4"DIA.X2 3/4"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	13/32"	5/8"	140
W12X26	3/4"DIA.X 5 1/2"	18 1/2"	9"	1 1/2"	1"	7"	1 3/4"	13/32"	18 1/2"	9"	1 1/2"	1"	7"	13/32"	28 GAUGE	3/4"DIA.X2 3/4"	6 1/2"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	13/32"	5/8"	176
W14X30	1"DIA.X 6"	22"	9"	2"	1 1/2"	6"	2"	17/32"	22"	9"	2"	1 1/2"	6"	17/32"	28 GAUGE	1"DIA.X 3"	6 3/4"	7"	8"	1 1/4"	2"	1"	4"	17/32"	5/8"	205
W16X31	1"DIA.X 6"	24"	9"	2"	1 1/2"	6"	2"	17/32"	24"	9"	2"	1 1/2"	6"	17/32"	28 GAUGE	1"DIA.X 3"	5 1/2"	7"	8"	1 1/4"	2"	1"	4"	17/32"	3/4"	223
W18X35	1"DIA.X 6"	25"	9"	2"	1 1/2"	6"	2"	17/32"	25"	9"	2"	1 1/2"	6"	17/32"	28 GAUGE	1"DIA.X 3"	6"	7"	8"	1 1/4"	2"	1"	4"	17/32"	3/4"	243
W18X40	1"DIA.X 6 1/2"	26"	9"	2"	1 1/2"	6"	2 1/4"	17/32"	26"	9"	2"	1 1/2"	6"	17/32"	28 GAUGE	1"DIA.X3 1/2"	6"	7"	8"	1 1/4"	2"	1"	4"	17/32"	7/8"	278
W21X44	1"DIA.X 7"	29"	9"	2"	1 1/2"	6"	2 1/2"	17/32"	29"	9"	2"	1 1/2"	6"	17/32"	28 GAUGE	1"DIA.X3 1/2"	6 1/2"	7"	8"	1 1/4"	2"	1"	4"	17/32"	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**

**REVISED SIGNING  
 ROADWAY STANDARD DRAWING**



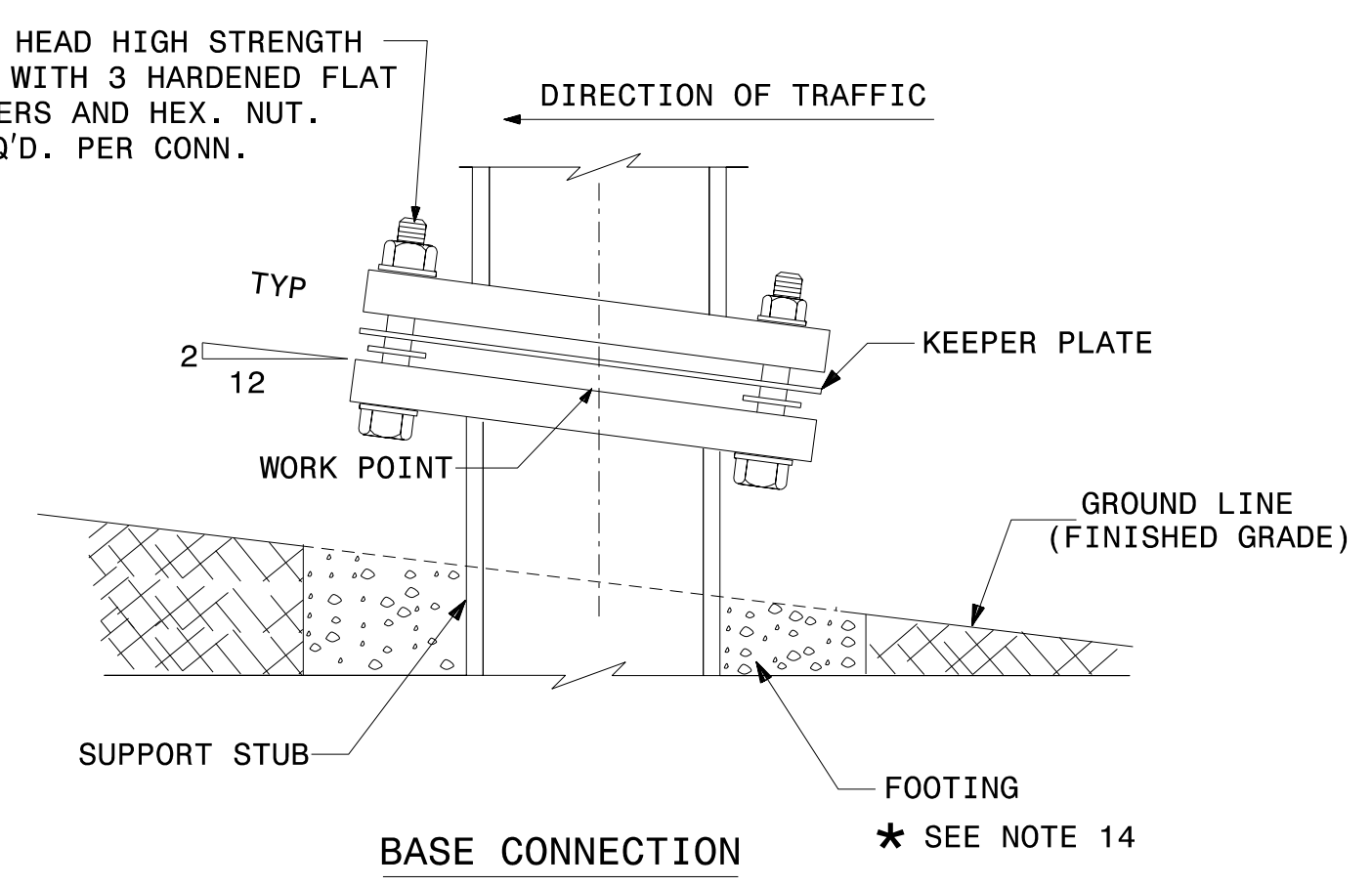
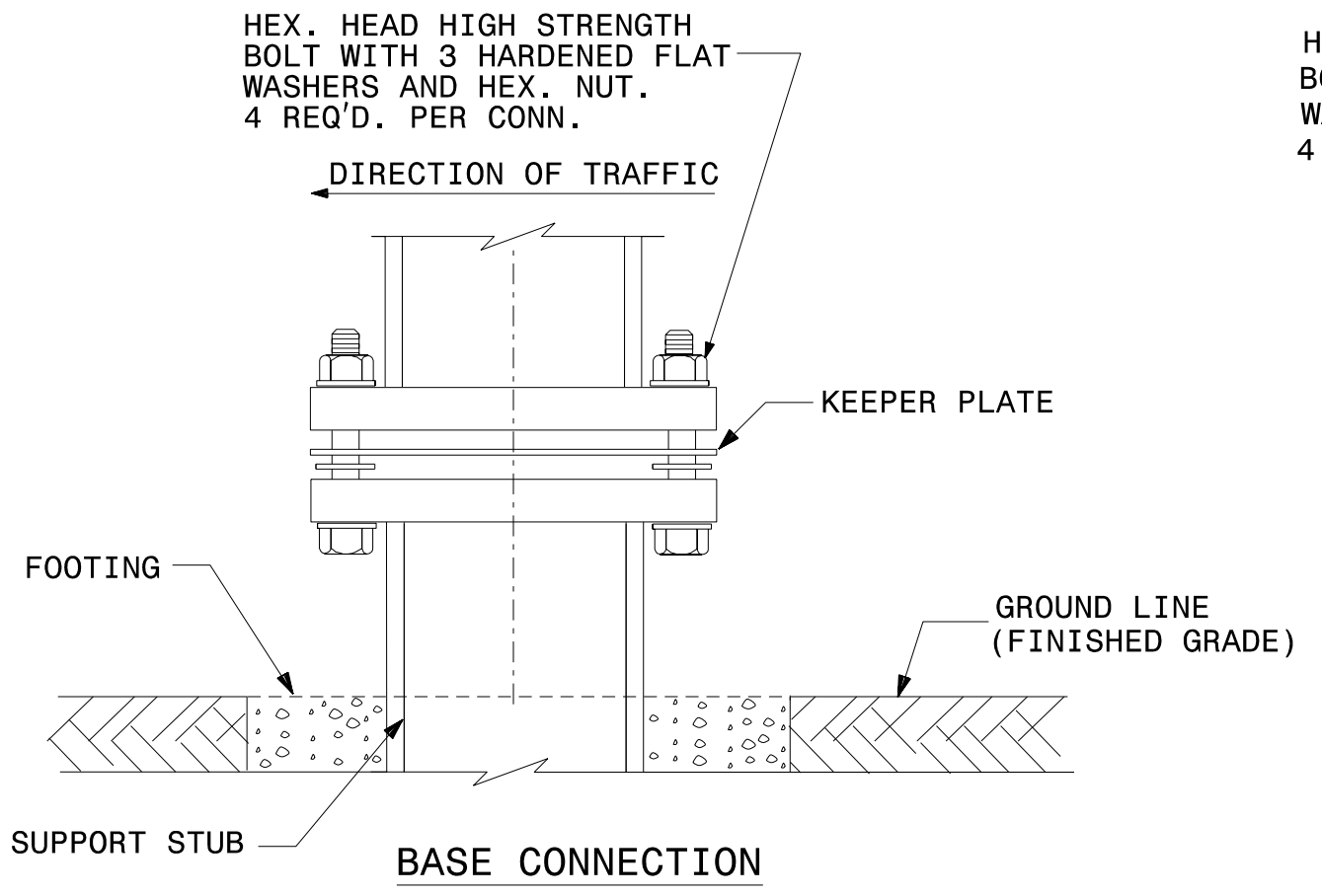
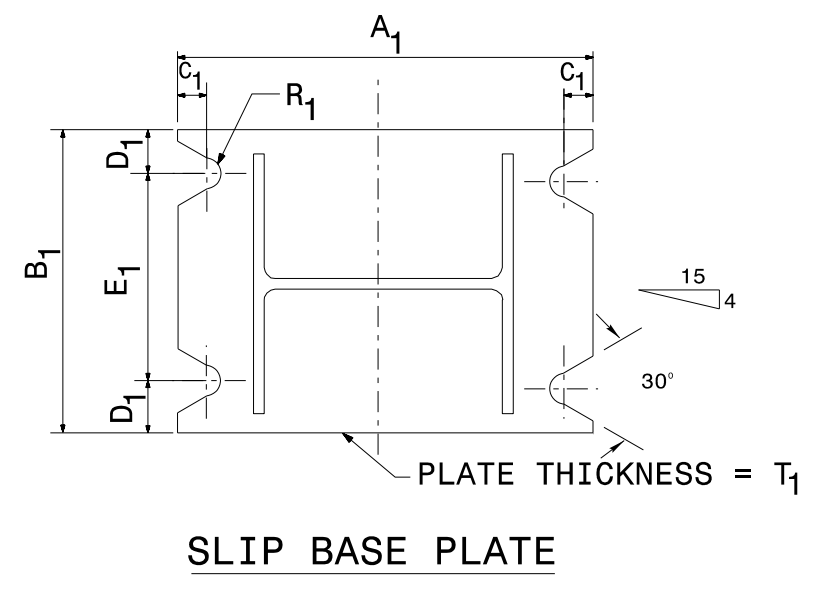
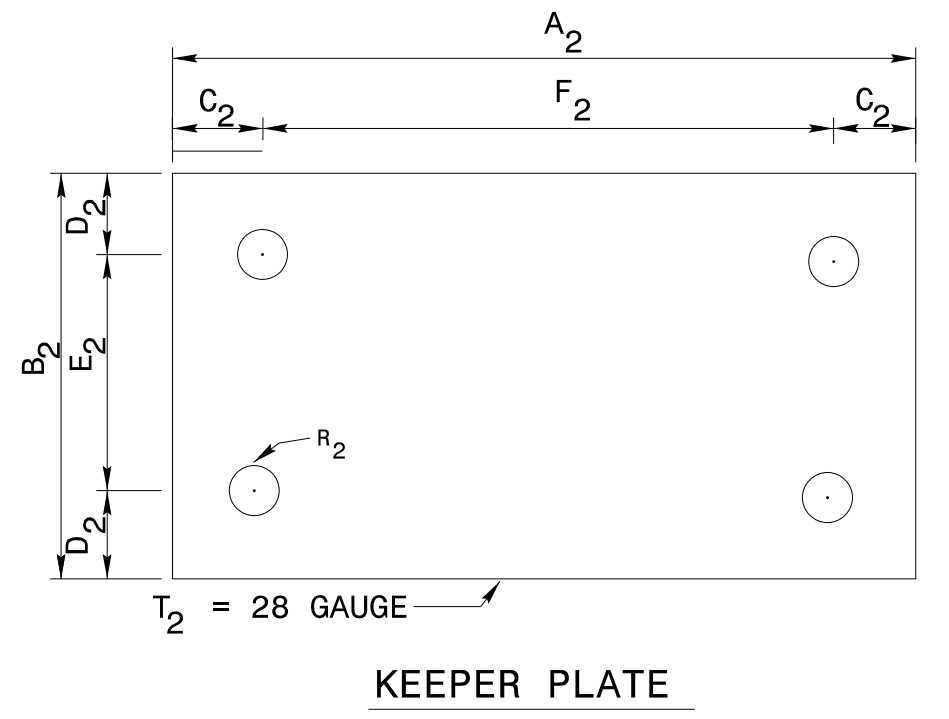
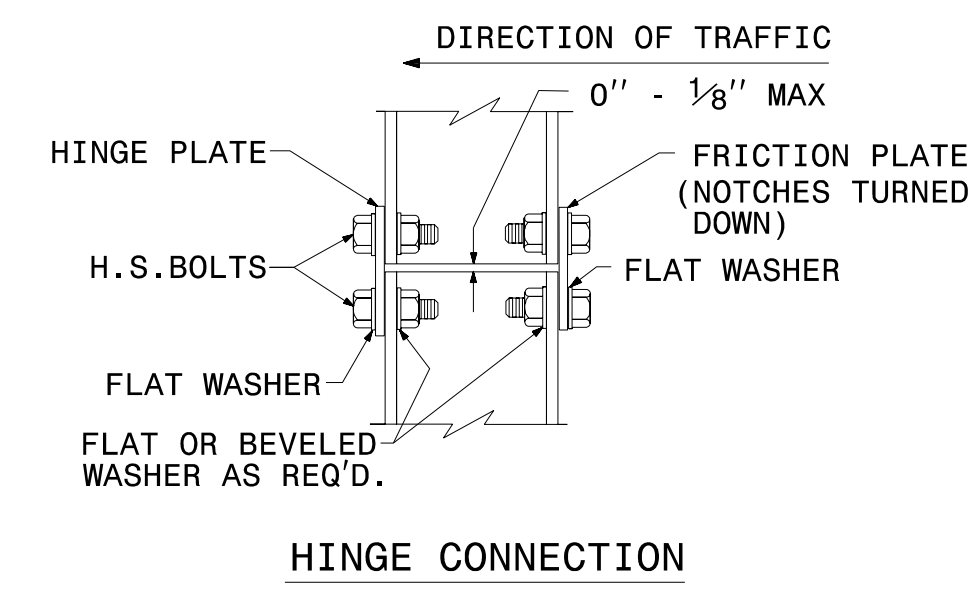
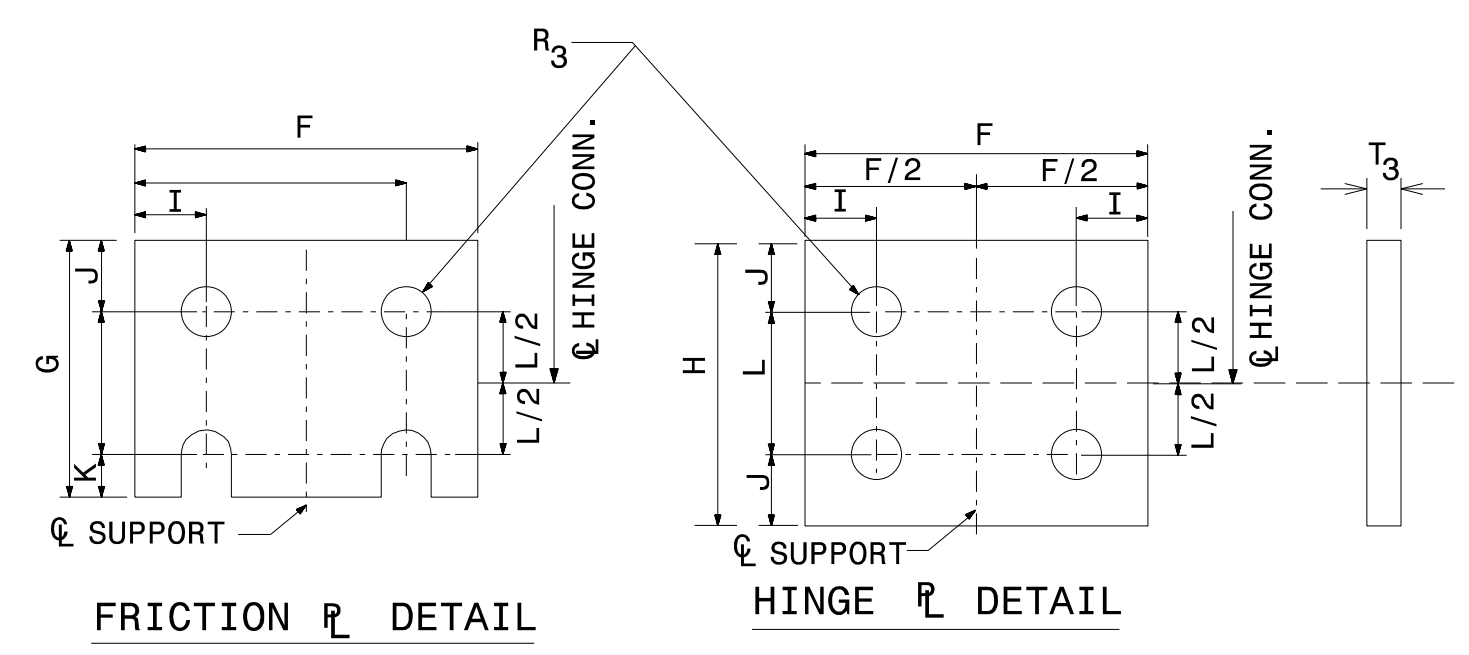
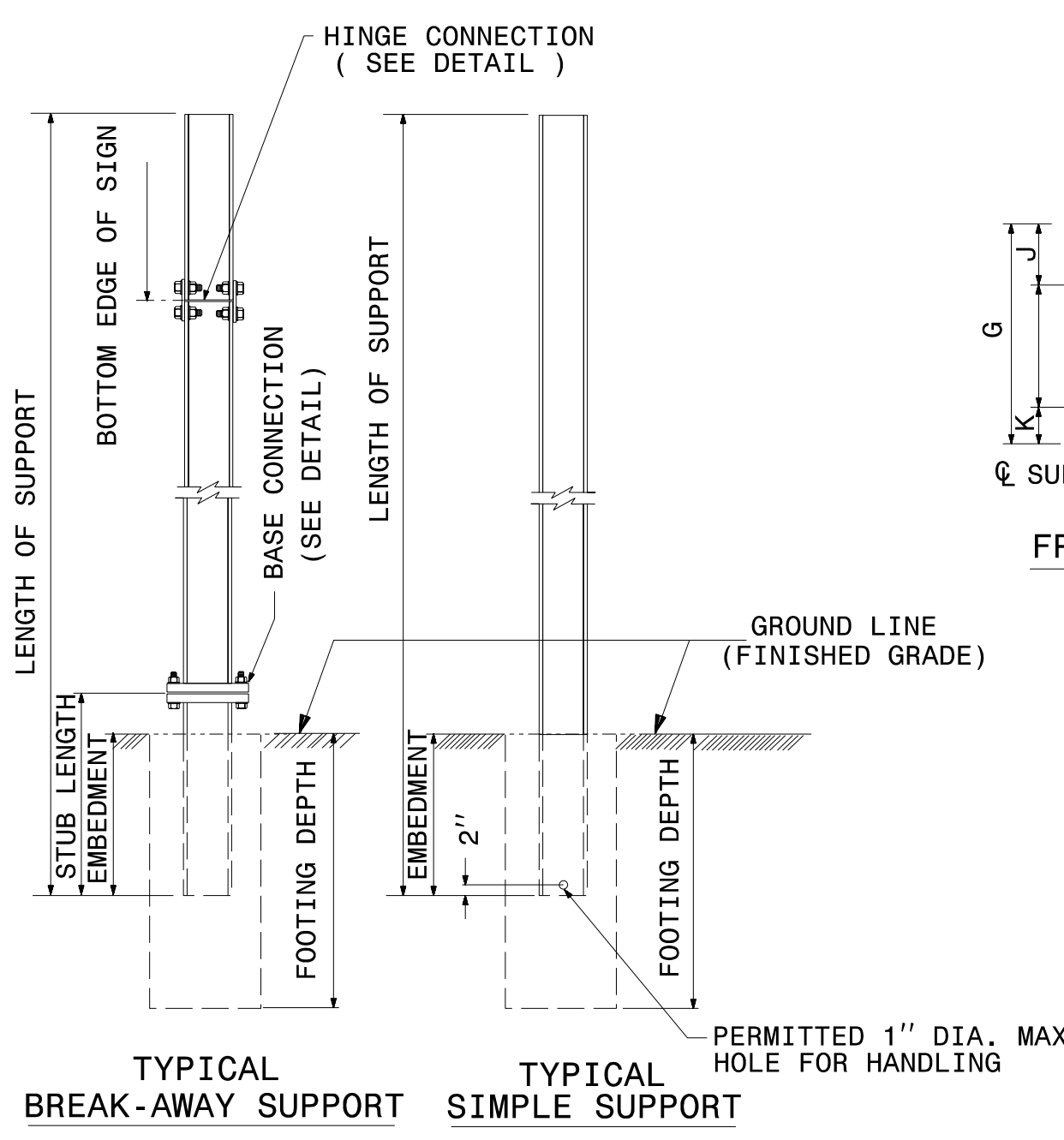
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1-12

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  
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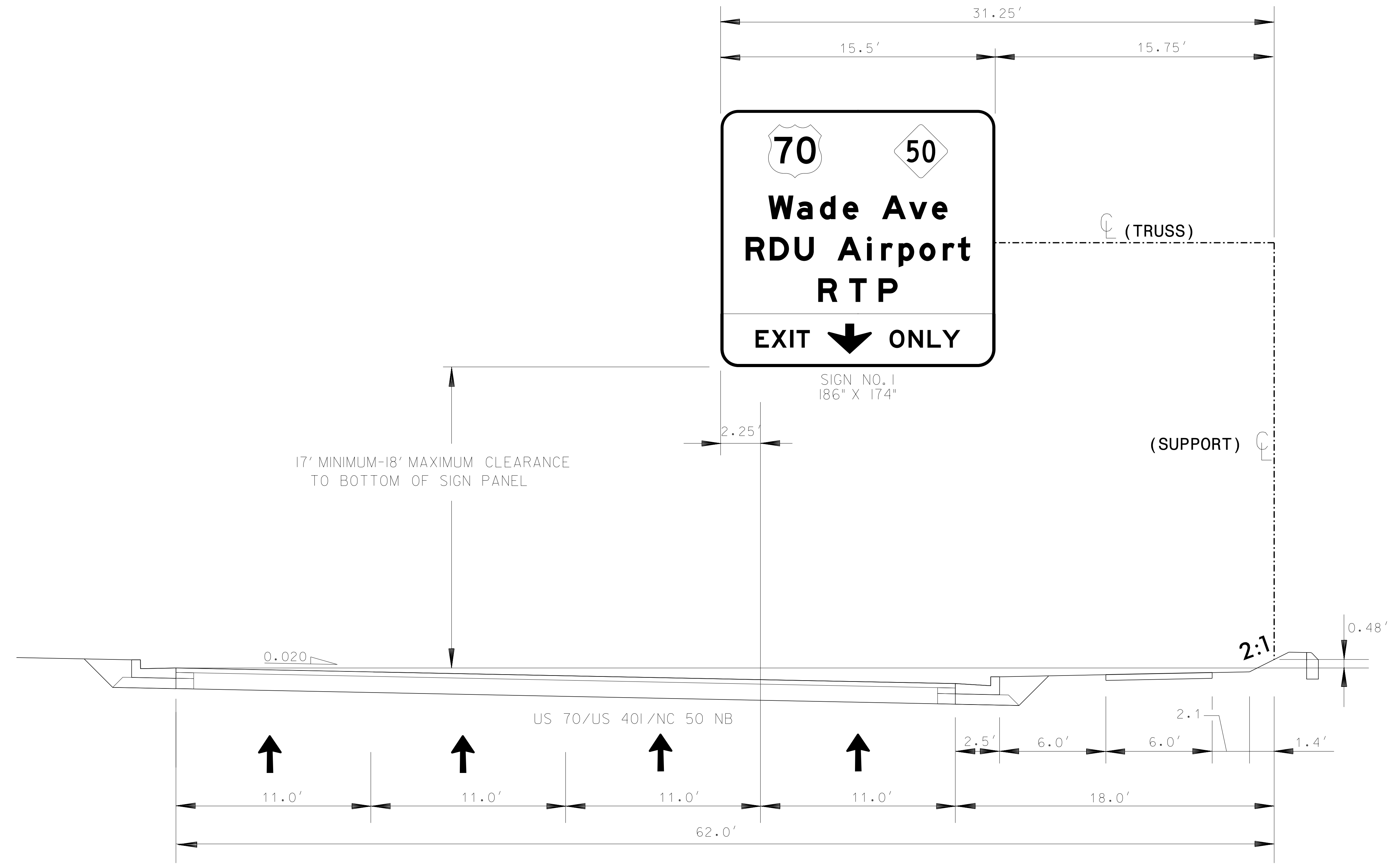
1-12

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

SHEET 1 OF 3  
**903D10**

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**REVISED SIGNING  
 ROADWAY STANDARD DRAWING**



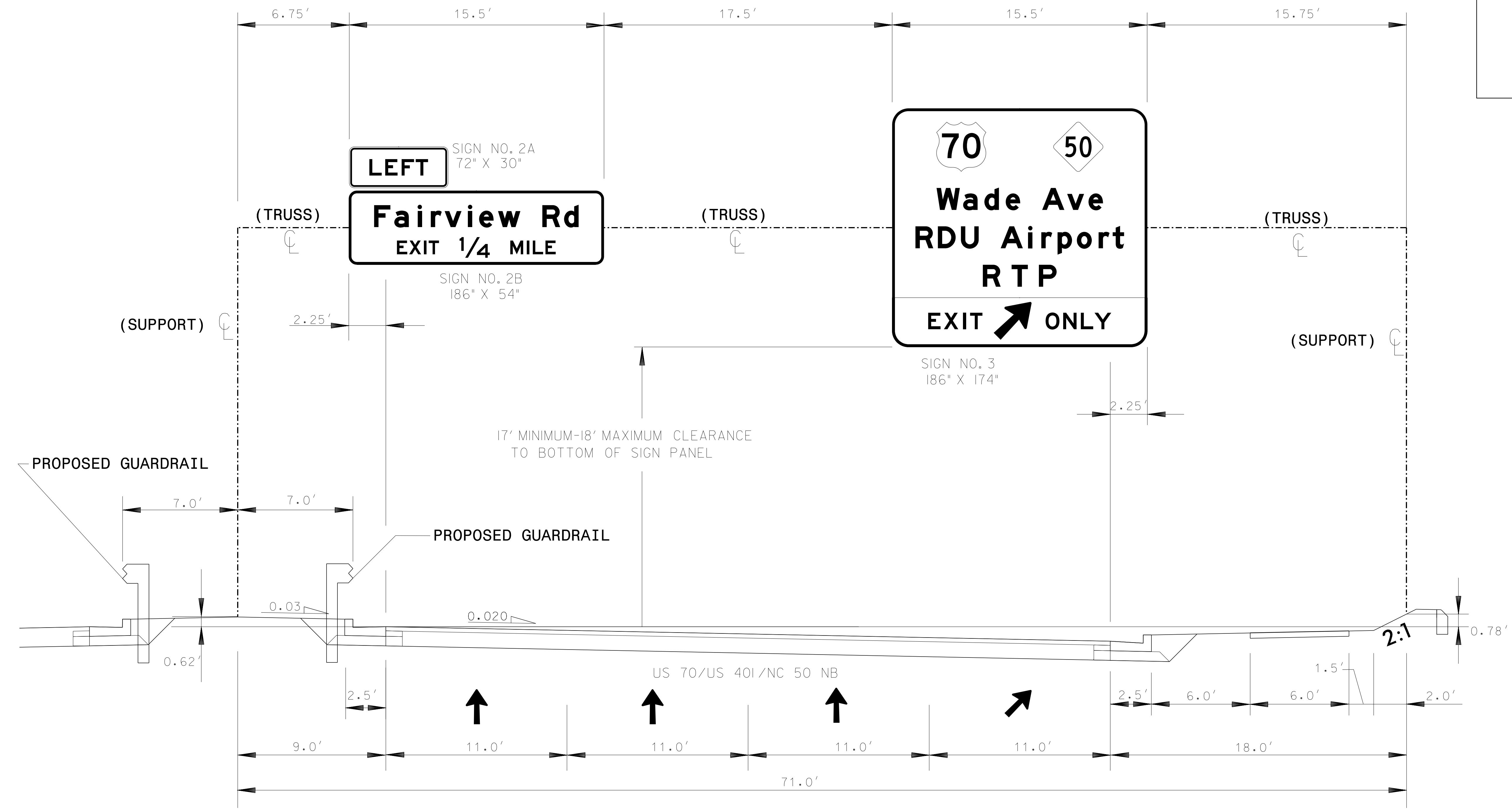
**NOTES:**

- 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 4 INCHES AND NOT MORE THAN 24 INCHES 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 100 M.P.H.

**PROPOSED OVERHEAD  
 ASSEMBLY "A"  
 AT STA. 30+74(NBL) -L-**

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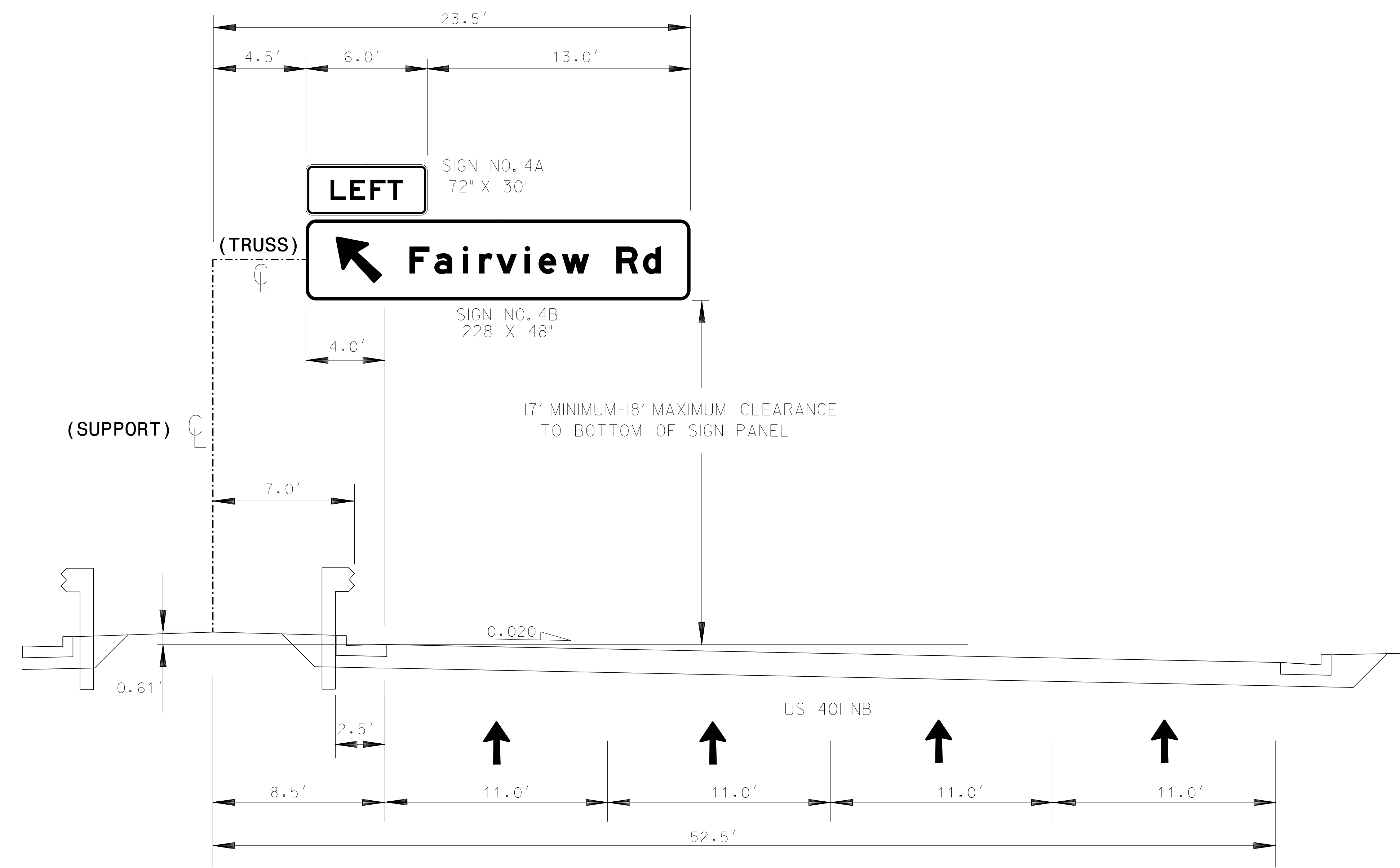


**NOTES:**

- 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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**PROPOSED OVERHEAD ASSEMBLY "B" AT STA. 40+28(NBL) -L-**

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**NOTES:**

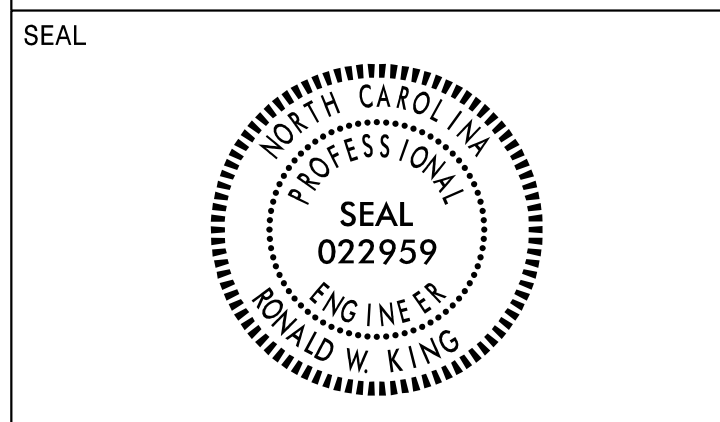
1. IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
2. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
3. FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER 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 4 INCHES AND NOT MORE THAN 24 INCHES 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 100 M.P.H.

**PROPOSED OVERHEAD  
 ASSEMBLY "C"  
 AT STA. 50+00(NBL) -L-**

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 Users\johnh



APPROVED: *Ronald W. King*  
DATE: 1/29/2016



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

**SIGN NUMBER:** 1      **BACKG COLOR:** Green  
**TYPE:** A      **COPY COLOR:** White

**QUANTITY:** 1

SYMBOL	X	Y	WID	HT
W1-4	32.4	128	36	36
W1-5-2-24-100	117.6	128	36	36
ARDOWN	72.4	8.7	30	20.6

**SIGN WIDTH:** 15'-6"  
**HEIGHT:** 14'-6"  
**TOTAL AREA:** 224.8 Sq. Ft.

**BORDER TYPE:** FLUSH  
**RECESS:** 0"  
**WIDTH:** 2"  
**RADII:** 12"

**NO. Z BARS:** 5      **MAT'L:** 0.125" (3.2 mm) ALUMINUM  
**LENGTH:** 178.0

**DESIGN BY:** S. JOHNS      **CHECKED BY:** R. ROACH      **Dec 16, 2015**  
**PROJECT ID:** B-5121      **LOCATION:** US 70/US 401/ NC 50 NBL      **DIV:** 5

**YELLOW PANEL**  
R=12"  
TH=1.5"  
IN=0.5"  
BORDER R=12"  
TH=2"

USE NOTES: 1,2,3,4

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
- Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is: 186" x 36"

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size
													Text Length
32.4	19.4	15.5	15.5	10.6	16	18.2	15.5	10.6	32.4				EM 2000
													121.3
R	D	U	A	i	r	p	o	r	t				EM 2000
17	16.3	16.8	13	16	20	9.6	11.8	14.1	15.8	10.2	8.3	17	152
R	T	P											EM 2000
66.1	13	8	11.8	8	13	66.1							53.8
E	X	I	T										E 2000
23.7	10.7	12.8	4.2	9	125.6								36.7
O	N	L	Y										E 2000
114.4	12.8	12.8	10	12.2	23.7								47.9

FILENAME: SignDesigns      NORTH CAROLINA D.O.T. SIGN DETAIL

**SIGN NUMBER:** 2A, 4A      **BACKG COLOR:** Yellow  
**TYPE:** B      **COPY COLOR:** Black

**QUANTITY:** 2

SYMBOL	X	Y	WID	HT

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

**BORDER TYPE:** INSET  
**RECESS:** 0.75"  
**WIDTH:** 1.25"  
**RADII:** 3"

**NO. Z BARS:** 2      **MAT'L:** 0.125" (3.2 mm) ALUMINUM  
**LENGTH:** 64.0

**DESIGN BY:** S. JOHNS      **CHECKED BY:** R. ROACH      **Dec 17, 2015**  
**PROJECT ID:** B-5121/B-5317      **LOCATION:** WAKE CO.-RALEIGH-CAPITAL BLVD      **DIV:** 5

**BORDER**  
R=3"  
TH=1.25"  
IN=0.75"

USE NOTES: 1,2,

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

LETTER POSITIONS

Letter spacings are to start of next letter						Series/Size
						Text Length
L	E	F	T			E 2000
14.6	11.5	12	10.2	9	14.6	42.8

FILENAME: SignDesigns      NORTH CAROLINA D.O.T. SIGN DETAIL

**SIGN NUMBER:** 2B      **BACKG COLOR:** Green  
**TYPE:** A      **COPY COLOR:** White

**QUANTITY:** 1

SYMBOL	X	Y	WID	HT

**SIGN WIDTH:** 15'-6"  
**HEIGHT:** 4'-6"  
**TOTAL AREA:** 69.8 Sq. Ft.

**BORDER TYPE:** FLUSH  
**RECESS:** 0"  
**WIDTH:** 2"  
**RADII:** 6"

**NO. Z BARS:** 2      **MAT'L:** 0.125" (3.2 mm) ALUMINUM  
**LENGTH:** 178.0

**DESIGN BY:** S. JOHNS      **CHECKED BY:** R. ROACH      **Dec 17, 2015**  
**PROJECT ID:** B-5121/B-5317      **LOCATION:** WAKE CO.-RALEIGH-CAPITAL BLVD      **DIV:** 5

USE NOTES: 1,2,

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

LETTER POSITIONS

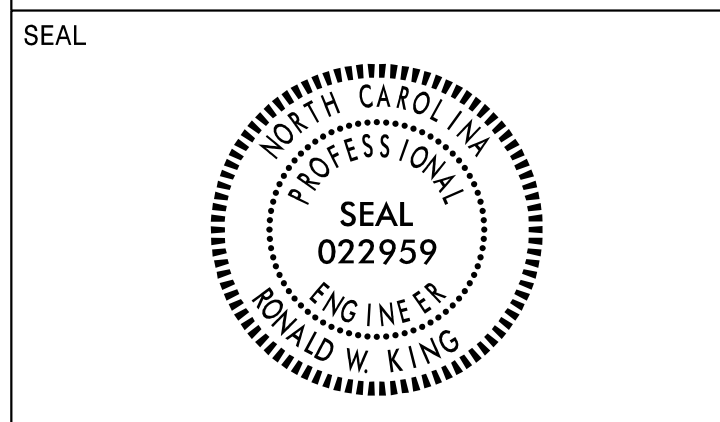
Letter spacings are to start of next letter													Series/Size
													Text Length
F	a	i	r	v	i	e	w	R	d				EM 2000
18.5	14.7	17	9.6	10.1	17	8.2	13.8	16.3	16	15.8	10.6	18.5	149
E	X	I	T		1/4	M	I	L	E				E 2000
35.2	8.9	10.7	3.5	7.5	15	22	15	12	4.4	9.2	7.5	35.2	115.7

FILENAME: SignDesigns      NORTH CAROLINA D.O.T. SIGN DETAIL

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**TYPE "A" & "B" SIGNS  
(OVERHEAD)**

APPROVED: *Ronald W. King*  
DATE: 1/29/2016



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

SIGN NUMBER: 3      BACKG COLOR: Green      DESIGN BY: S JOHNS      CHECKED BY: R ROACH      Dec 16, 2015  
 TYPE: A      COPY COLOR: White      PROJECT ID: B-5121      DIV: 5

QUANTITY: 1

SYMBOL	X	Y	WID	HT
W1_4	32.4	128	36	36
W1-5-2-24-10C	117.6	128	36	36
AR_Type A	74	5.3	22.3	35

SIGN WIDTH: 15'-6"  
 HEIGHT: 14'-6"  
 TOTAL AREA: 224.8 Sq.Ft.

BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 2"  
 RADII: 12"

NO. Z BARS: 5      MAT'L: 0.125" (3.2 mm) ALUMINUM  
 LENGTH: 178.0

USE NOTES: 1,2,3,4

- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.
- Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is: 186" x 36"

YELLOW PANEL  
 R=12"  
 TH=1.5"  
 IN=0.5"

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size
													Text Length
32.4	19.4	15.5	15.5	10.6	16	18.2	15.5	10.6	32.4				EM 2000
													121.3
	R	D	U	A	i	r	p	o	r	t			EM 2000
17	16.3	16.8	13	16	20	9.6	11.8	14.1	15.8	10.2	8.3	17	152
	R	T	P										EM 2000
66.1	13	8	11.8	8	13	66.1							53.8
	E	X	I	T									E 2000
26.3	11.4	13.9	5.1	9	120.2								39.5
	O	N	L	Y									E 2000
111.8	12.8	12.8	10	12.2	26.3								47.9

FILENAME: SignDesigns      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 4B      BACKG COLOR: Green      DESIGN BY: S.JOHNS      CHECKED BY: R.ROACH      Sep 22, 2015  
 TYPE: A      COPY COLOR: White      PROJECT ID: B-5121/B-5317      LOCATION: WAKE CO.-RALEIGH-CAPITAL BLVD      DIV: 5

QUANTITY: 1

SYMBOL	X	Y	WID	HT
AR_Type A	17.6	10.1	22.4	35.3

SIGN WIDTH: 19'-0"  
 HEIGHT: 4'-0"  
 TOTAL AREA: 76.0 Sq.Ft.

BORDER TYPE: FLUSH  
 RECESS: 0"  
 WIDTH: 2"  
 RADII: 6"

NO. Z BARS: 2      MAT'L: 0.125" (3.2 mm) ALUMINUM  
 LENGTH: 220.0

USE NOTES: 1,2,3

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

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size
													Text Length
61.4	14.7	17	9.6	10.1	17	8.2	13.8	16.3	16	15.8	10.6	17.6	EM 2000
													149

FILENAME: SignDesigns      NORTH CAROLINA D.O.T. SIGN DETAIL

1/28/2016  
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 Users\johns

**TYPE "A" & "B" SIGNS  
(OVERHEAD)**

APPROVED: *Ronald W. King*  
DATE: 1/29/2016



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

SIGN NUMBER: 101      BACKG COLOR: Green  
TYPE: A      COPY COLOR: White  
QUANTITY: 1

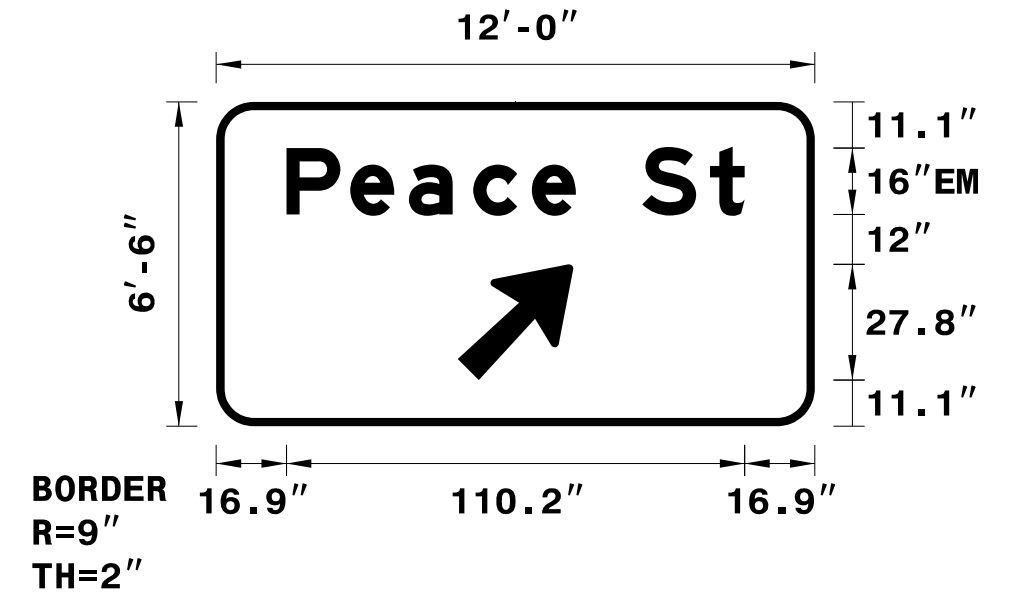
SYMBOL	X	Y	WID	HT
AR_Type A	58.1	11.1	22.4	35.3

SIGN WIDTH: 12'-0"  
HEIGHT: 6'-6"  
TOTAL AREA: 78.0 Sq.Ft.

BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 2"  
RADIUS: 9"

NO. Z BARS: 2      MAT'L: 0.125" (3.2 mm) ALUMINUM  
LENGTH: 136.0

DESIGN BY: S JOHNS      CHECKED BY: R ROACH      Sep 23, 2015  
PROJECT ID: B-5121      LOCATION: US 70/US 401/ NC 50 NBL      DIV: 5



- USE NOTES: 1,2,3
- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
  - Background shall be Grade C reflective sheeting.
  - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

P	e	a	c	e	S	t	Series/Size	Text Length
16.9	15.4	14.1	15.5	14.1	10.6	16	EM 2000	110.2

FILENAME: SignDesigns      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 103      BACKG COLOR: Green  
TYPE: A      COPY COLOR: White  
QUANTITY: 1

SYMBOL	X	Y	WID	HT
AR_Type A	141.5	12.8	22.4	35.3

SIGN WIDTH: 16'-0"  
HEIGHT: 4'-0"  
TOTAL AREA: 64.0 Sq.Ft.

BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 2"  
RADIUS: 6"

NO. Z BARS: 2      MAT'L: 0.125" (3.2 mm) ALUMINUM  
LENGTH: 184.0

DESIGN BY: S JOHNS      CHECKED BY: R ROACH      Sep 23, 2015  
PROJECT ID: B-5121      LOCATION: US 70/US 401/ NC 50 SBL      DIV: 5



- USE NOTES: 1,2,3
- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
  - Background shall be Grade C reflective sheeting.
  - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

P	e	a	c	e	S	t	Series/Size	Text Length
15.2	15.4	14.1	15.5	14.1	10.6	16	EM 2000	110.2

FILENAME: SignDesigns      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 102      BACKG COLOR: Green  
TYPE: A      COPY COLOR: White  
QUANTITY: 1

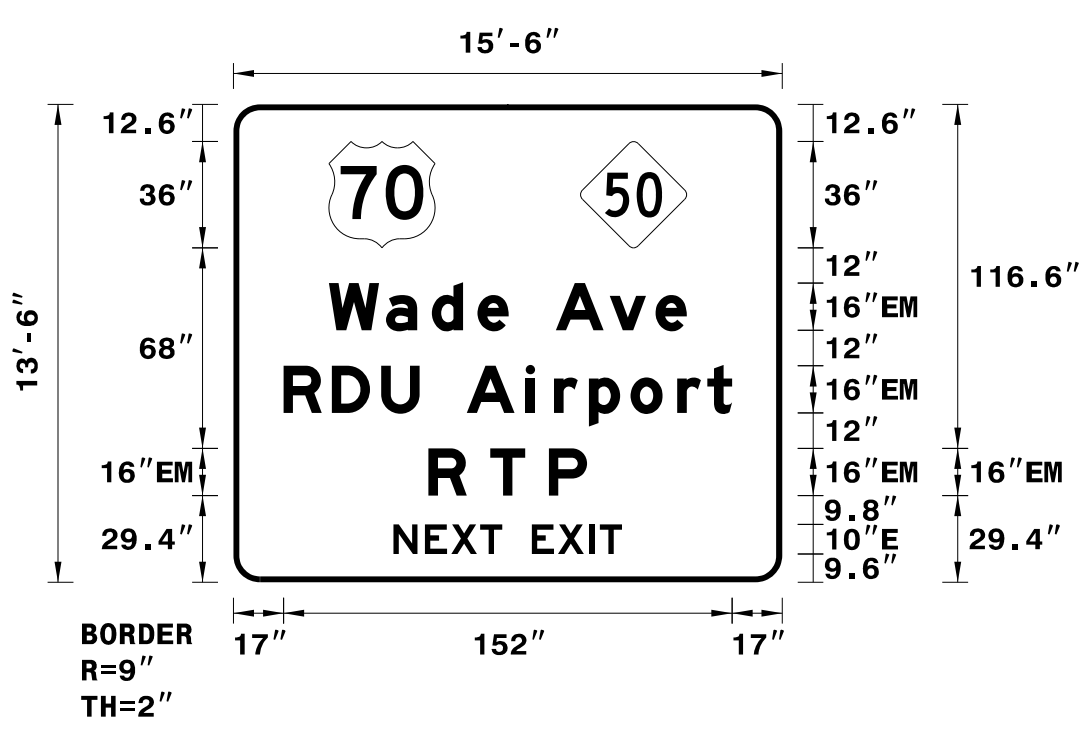
SYMBOL	X	Y	WID	HT
M1_4	32.4	113.4	36	36
M1-5-2-24-10C	117.6	113.4	36	36

SIGN WIDTH: 15'-6"  
HEIGHT: 13'-6"  
TOTAL AREA: 209.3 Sq.Ft.

BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 2"  
RADIUS: 9"

NO. Z BARS: 4      MAT'L: 0.125" (3.2 mm) ALUMINUM  
LENGTH: 178.0

DESIGN BY: S JOHNS      CHECKED BY: R ROACH      Dec 17, 2015  
PROJECT ID: B-5121      LOCATION: US 70/US 401/ NC 50 NBL      DIV: 5



- USE NOTES: 1,2,3
- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
  - Background shall be Grade C reflective sheeting.
  - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

W	a	d	e	A	v	e	Series/Size	Text Length
32.4	19.4	15.5	15.5	10.6	16	18.2	EM 2000	121.3
17	16.3	16.8	13	16	20	9.6	EM 2000	152
66.1	13	8	11.8	8	13	66.1	EM 2000	53.8
54.3	10.7	8.9	9.8	7.5	10	8.9	E 2000	77.5

FILENAME: SignDesigns      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 104      BACKG COLOR: Green  
TYPE: A      COPY COLOR: White  
QUANTITY: 1

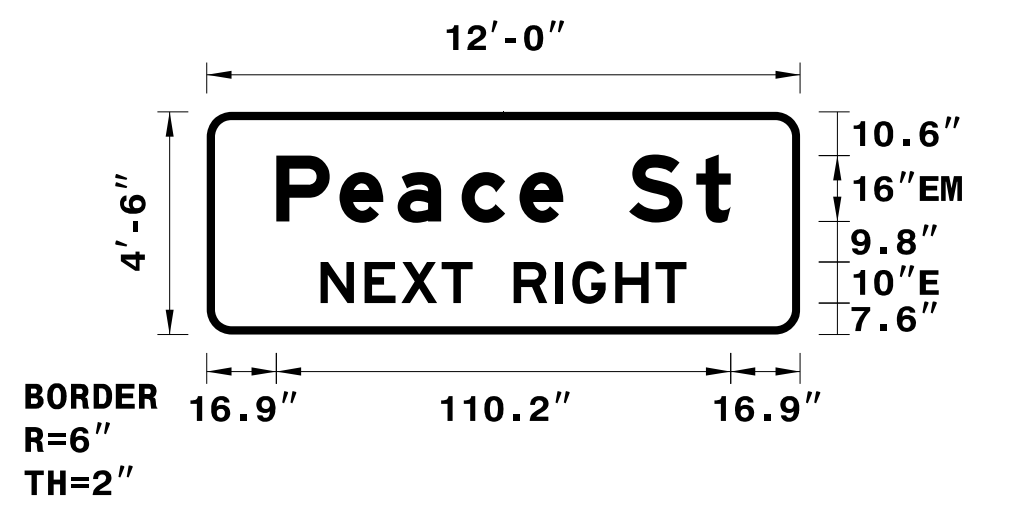
SYMBOL	X	Y	WID	HT
AR_Type A	141.5	12.8	22.4	35.3

SIGN WIDTH: 12'-0"  
HEIGHT: 4'-6"  
TOTAL AREA: 54.0 Sq.Ft.

BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 2"  
RADIUS: 6"

NO. Z BARS: 2      MAT'L: 0.125" (3.2 mm) ALUMINUM  
LENGTH: 136.0

DESIGN BY: S JOHNS      CHECKED BY: R ROACH      Sep 23, 2015  
PROJECT ID: B-5121      LOCATION: US 70/US 401/ NC 50 SBL      DIV: 5



- USE NOTES: 1,2,3
- Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
  - Background shall be Grade C reflective sheeting.
  - Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

LETTER POSITIONS

Letter spacings are to start of next letter

P	e	a	c	e	S	t	Series/Size	Text Length
16.9	15.4	14.1	15.5	14.1	10.6	16	EM 2000	110.2
27.6	10.7	8.9	9.8	7.5	10	10.1	E 2000	88.8

FILENAME: SignDesigns      NORTH CAROLINA D.O.T. SIGN DETAIL

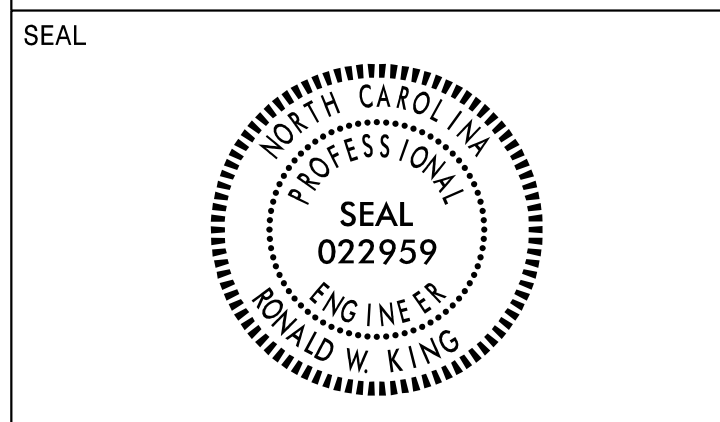
TYPE "A" & "B" SIGNS  
(GROUND MOUNTED)

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APPROVED: *Ronald W. King*  
DATE: 1/29/2016



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

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

SYMBOL	X	Y	WID	HT
AR_Type D	45.2	6	6	9

SIGN WIDTH: 5'-0"  
HEIGHT: 1'-6"  
TOTAL AREA: 7.5 Sq.Ft.

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

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: S JOHNS      CHECKED BY: R ROACH      Jan 19, 2016  
PROJECT ID: B-5121      LOCATION: JOHNSON STREET      DIV: 5

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size	
	P	e	a	c	e	S	t			Text Length	
	5.8	4.6	4.1	4.3	4.1	3.5	6	4.4	2.4	20.8	D 2000
											33.5

FILENAME: SignDesigns      NORTH CAROLINA D.O.T. SIGN DETAIL

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

SYMBOL	X	Y	WID	HT
AR_Type D	4.9	8.8	6	9

SIGN WIDTH: 8'-0"  
HEIGHT: 2'-0"  
TOTAL AREA: 16.0 Sq.Ft.

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

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: S JOHNS      CHECKED BY: R ROACH      Sep 24, 2015  
PROJECT ID: B-5121      LOCATION: HARRINGTON STREET      DIV: 5

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size								
	C	a	p	i	t	a	l	B	l	v	d	S	o	u	t	h	Text Length						
	20	5	4.6	4.6	1.6	2.8	4.6	1	6	5	1.7	4.7	3.6	6	4.7	4.6	4.2	3.1	3.5	5	D 2000		
																						71.1	
	38.3	4.4	4.2	5.2	4.2	3.8	4.2	5.2	3.4	23.3												D 2000	
																							34.5

FILENAME: SignDesigns      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302      BACKG COLOR: White  
TYPE: D      COPY COLOR: Black  
QUANTITY: 1

SYMBOL	X	Y	WID	HT
AR_LEFT_ONLY	4.8	24.4	10.3	12.8
AR_RIGHT_ONLY	25.9	24.4	10.3	12.8

SIGN WIDTH: 3'-6"  
HEIGHT: 3'-6"  
TOTAL AREA: 12.3 Sq.Ft.

BORDER TYPE: FLUSH  
RECESS: 0.38"  
WIDTH: 0.75"  
RADII: 3"

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: S JOHNS      CHECKED BY: R ROACH      Sep 15, 2015  
PROJECT ID: B-5121      LOCATION: JOHNSON STREET      DIV: 5

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size		
	O	N	L	Y		F	L	O	W	Text Length		
	4.8	3.2	3.1	2.6	3.4	24.9				D 2000		
										12.3		
	24.9	3.2	3.1	2.6	3.4	4.8				D 2000		
										12.3		
	6.4	3.1	3.4	3.2	2.5	4	3.1	3	3.4	3.6	6.4	D 2000
												29.1

FILENAME: SignDesigns      NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 304      BACKG COLOR: Green / Green  
TYPE: D      COPY COLOR: White  
QUANTITY: 1

SYMBOL	X	Y	WID	HT
AR_Type D	7.1	24	6	9
AR_Type D	83	7.4	6	9

SIGN WIDTH: 8'-0"  
HEIGHT: 3'-0"  
TOTAL AREA: 24.0 Sq.Ft.

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

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: S JOHNS      CHECKED BY: R ROACH      Jan 25, 2016  
PROJECT ID: B-5121      LOCATION: US 70/ NC 50 WADE AVE      DIV: 5

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size								
	C	a	p	i	t	a	l	B	l	v	d	N	o	r	t	h	Text Length						
	19.1	5	4.6	4.6	1.6	2.8	4.6	1	6	5	1.7	4.7	3.6	6	5.2	4.6	2.5	3.1	3.5	7.1	D 2000		
																						69.8	
	5.9	5	4.6	4.6	1.6	2.8	4.6	1	6	5	1.7	4.7	3.6	6	4.7	4.6	4.2	3.1	3.5	19	D 2000		
																							71.1
	24.2	4.4	4.2	5.2	4.2	3.8	4.2	5.2	3.4	37.3												D 2000	
																							34.5

FILENAME: SignDesigns      NORTH CAROLINA D.O.T. SIGN DETAIL

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Users\johns

TYPE "D" SIGNS

APPROVED: *Ronald W. King*  
DATE: 2/1/2016



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

SIGN NUMBER: 305  
TYPE: D  
QUANTITY: 1  
SIGN WIDTH: 8'-0"  
HEIGHT: 2'-0"  
TOTAL AREA: 16.0 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 0.75"  
RADIUS: 3"  
NO. Z BARS: LENGTH:

BACKG COLOR: Green  
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	4.9	13.4	6	9

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: S JOHNS  
PROJECT ID: B-5121  
CHECKED BY: R ROACH  
LOCATION: PEACE ST  
Jan 20, 2016  
DIV: 5

BORDER R=3" TH=0.75"

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	C	a	p	i	t	a	l	B	l	v	d	S	o	u	t	h	Series/Size Text Length				
D 2000	20	5	4.6	4.6	1.6	2.8	4.6	1	6	5	1.7	4.7	3.6	6	4.7	4.6	4.2	3.1	3.5	5	71.1
D 2000		D	O	W	N	T	O	W	N												34.5
	38.3	4.4	4.2	5.2	4.1	3.8	4.2	5.2	3.4	23.3											

FILENAME: SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 307  
TYPE: D  
QUANTITY: 1  
SIGN WIDTH: 4'-6"  
HEIGHT: 1'-6"  
TOTAL AREA: 6.8 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 0.75"  
RADIUS: 1.5"  
NO. Z BARS: LENGTH:

BACKG COLOR: Green  
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	35.9	1.8	5	7.5

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: S JOHNS  
PROJECT ID: B-5121  
CHECKED BY: R ROACH  
LOCATION: PEACE ST  
Feb 01, 2016  
DIV: 5

BORDER R=1.5" TH=0.75"

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	C	a	p	i	t	a	l	B	l	v	d	S	o	u	t	h	Series/Size Text Length
D 2000	4.5	5	4.6	4.6	1.6	2.8	4.6	1	6	5	1.7	4.7	3.6	4.5			45
D 2000		N	O	R	T	H											20.2
	10.6	4.5	4.6	3.8	3.9	3.4	23.2										

FILENAME: SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 306  
TYPE: D  
QUANTITY: 1  
SIGN WIDTH: 8'-0"  
HEIGHT: 1'-6"  
TOTAL AREA: 12.0 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 0.75"  
RADIUS: 1.5"  
NO. Z BARS: LENGTH:

BACKG COLOR: Green  
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	5.6	6	6	9

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: S JOHNS  
PROJECT ID: B-5121  
CHECKED BY: R ROACH  
LOCATION: PEACE ST  
Jan 20, 2016  
DIV: 5

BORDER R=1.5" TH=0.75"

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	C	a	p	i	t	a	l	B	l	v	d	N	o	r	t	h	Series/Size Text Length				
D 2000	20.6	5	4.6	4.6	1.6	2.8	4.6	1	6	5	1.7	4.7	3.6	6	5.2	4.6	2.5	3.1	3.5	5.6	69.8

FILENAME: SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 308  
TYPE: D  
QUANTITY: 1  
SIGN WIDTH: 8'-0"  
HEIGHT: 3'-0"  
TOTAL AREA: 24.0 Sq.Ft.  
BORDER TYPE: FLUSH  
RECESS: 0"  
WIDTH: 0.75"  
RADIUS: 1.5"  
NO. Z BARS: LENGTH:

BACKG COLOR: Green / Green  
COPY COLOR: White

SYMBOL	X	Y	WID	HT
AR_Type D	7.1	24	6	9
AR_Type D	82.1	8	6	9

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: S JOHNS  
PROJECT ID: B-5121  
CHECKED BY: R ROACH  
LOCATION: PEACE ST  
Jan 25, 2016  
DIV: 5

BORDER R=1.5" TH=0.75"

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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

	C	a	p	i	t	a	l	B	l	v	d	N	o	r	t	h	Series/Size Text Length				
D 2000	19.1	5	4.6	4.6	1.6	2.8	4.6	1	6	5	1.7	4.7	3.6	6	5.2	4.6	2.5	3.1	3.5	7.1	69.8
D 2000		C	a	p	i	t	a	l	B	l	v	d	S	o	u	t	h				
D 2000		4.9	5	4.6	4.6	1.6	2.8	4.6	1	6	5	1.7	4.7	3.6	6	4.7	4.6	4.2	3.1	3.5	20
D 2000		D	O	W	N	T	O	W	N												34.5
	23.2	4.4	4.2	5.2	4.1	3.8	4.2	5.2	3.4	38.3											

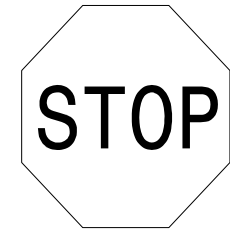
FILENAME: SignDesigns NORTH CAROLINA D.O.T. SIGN DETAIL

2/1/2016 P:\TIP-Projects-B\B5121\Traffic\Signing\CADD\Sign\_Designs\B5121\_B5317\_Sgn\_3H.dgn Users\sjohns

TYPE "D" SIGNS




401 QUANTITY REQ'D 11



36 X 36  
R1-1

ONE "U" POST PER SIGN

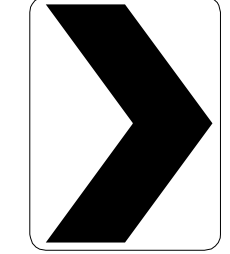
406 QUANTITY REQ'D 2



54 X 18  
R6-1 (L)

MOUNT BACK TO BACK SIGN 405  
IN 2 INSTALLATIONS


411 QUANTITY REQ'D 4



30 X 36  
W1-8 (R)

ONE "U" POST PER SIGN

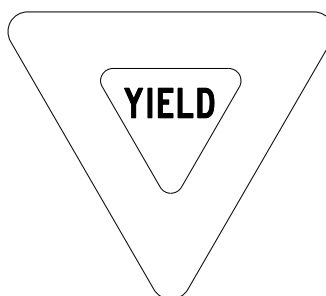
416 QUANTITY REQ'D 1



24 X 12  
W4-4aP(L)

MOUNT BELOW SIGN 401  
IN 1 INSTALLATIONS


421 QUANTITY REQ'D 1



36 X 36 X 36  
RI-2

ONE "U" POST PER SIGN


402 QUANTITY REQ'D 6



36 X 12  
R6-1 (R)

MOUNT ABOVE SIGN 401  
IN 6 INSTALLATIONS

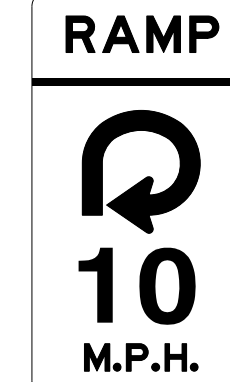
407 QUANTITY REQ'D 2



30 X 30  
R3-7

ONE "U" POST PER SIGN

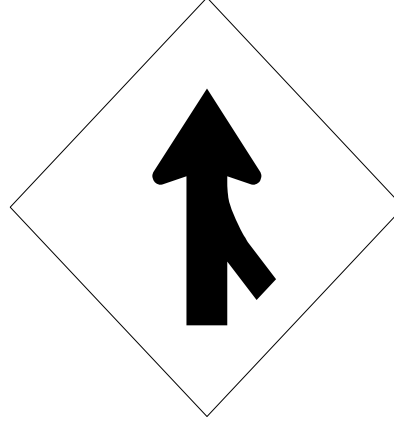
412 QUANTITY REQ'D 1



24 X 42  
W13-7

ONE "U" POST PER SIGN

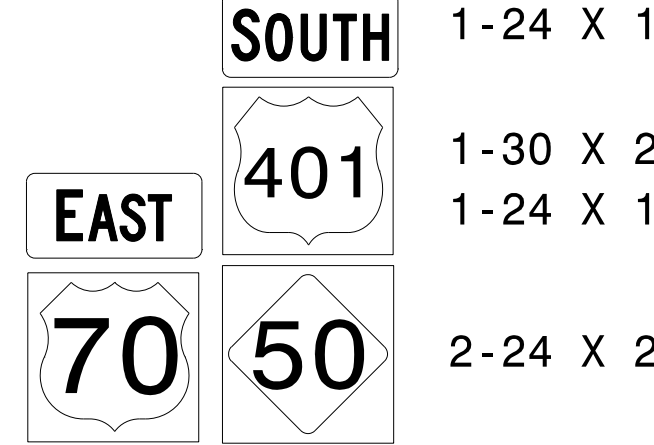
417 QUANTITY REQ'D 1



36 X 36  
W4-1 (R)

ONE "U" POST PER SIGN

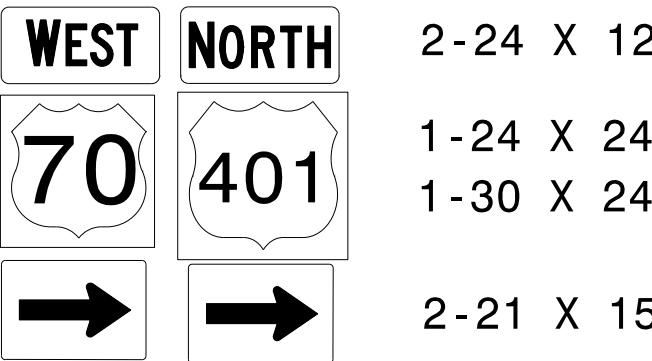
501



1-24 X 12  
1-30 X 24  
1-24 X 12  
2-24 X 24

TWO "U" POSTS PER SIGN

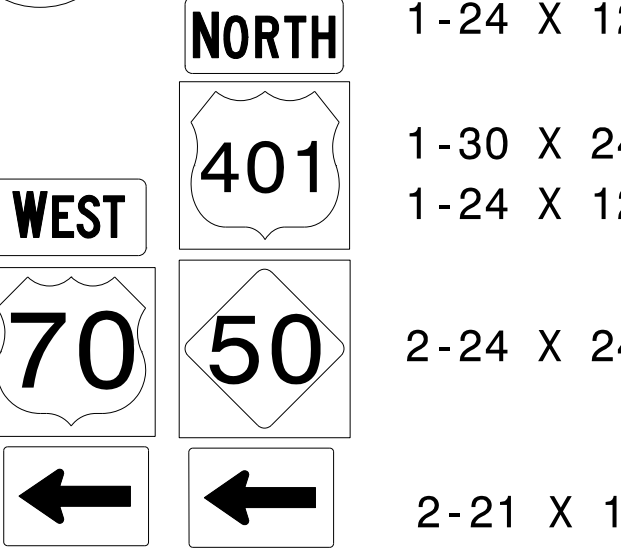
505



2-24 X 12  
1-24 X 24  
1-30 X 24  
2-21 X 15

MOUNTED BELOW SIGN 307

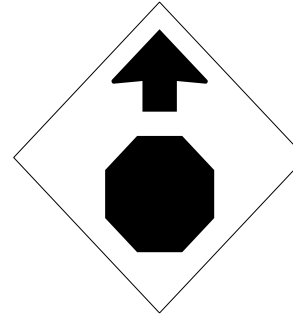
508



1-24 X 12  
1-30 X 24  
1-24 X 12  
2-24 X 24  
2-21 X 15

TWO "U" POSTS PER SIGN


403 QUANTITY REQ'D 2



36 X 36  
W3-1a

ONE "U" POST PER SIGN

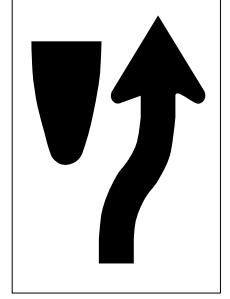
408 QUANTITY REQ'D 4



36 X 36  
W11-2

YELLOW/GREEN REFLECTIVE SHEETING  
ONE "U" POST PER SIGN

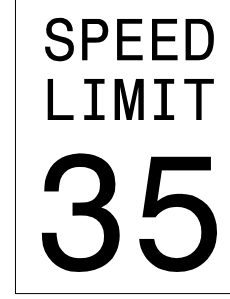
413 QUANTITY REQ'D 3



24 X 30  
R4-7

ONE "U" POST PER SIGN


418 QUANTITY REQ'D 3



36 X 48  
R2-1

TWO "U" POSTS PER SIGN

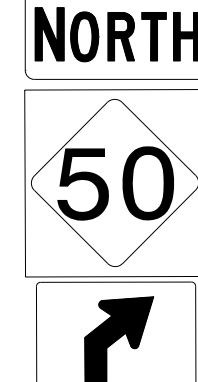
502



1-24 X 12  
1-30 X 24

ONE "U" POST PER SIGN

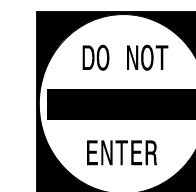
506



1-24 X 12  
1-24 X 24  
1-21 X 15

ONE "U" POST PER SIGN


404 QUANTITY REQ'D 3



36 X 36  
R5-1

ONE "U" POST PER SIGN

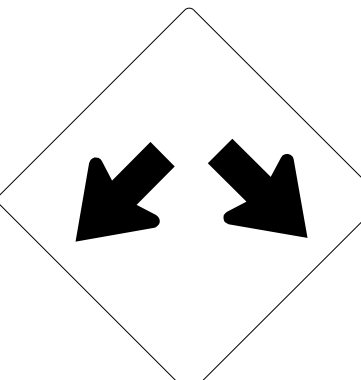
409 QUANTITY REQ'D 4



36 X 18  
W16-9p

YELLOW/GREEN REFLECTIVE SHEETING  
MOUNT BELOW SIGN 408  
IN 4 INSTALLATIONS

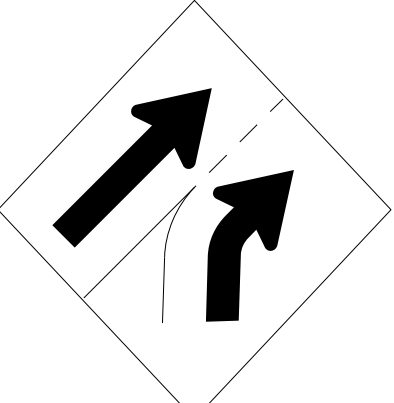
414 QUANTITY REQ'D 1



36 X 36  
W12-1

ONE "U" POST PER SIGN

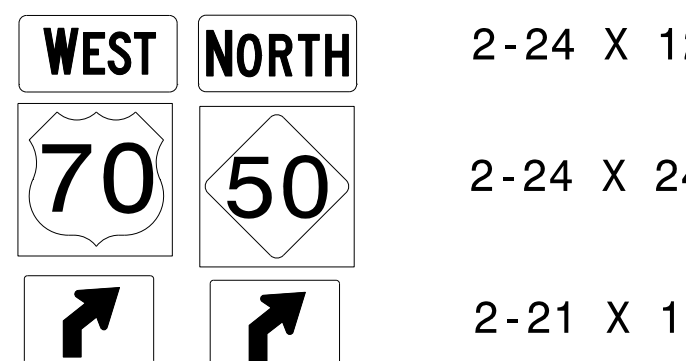
419 QUANTITY REQ'D 2



36 X 36  
W4-6

ONE "U" POST PER SIGN

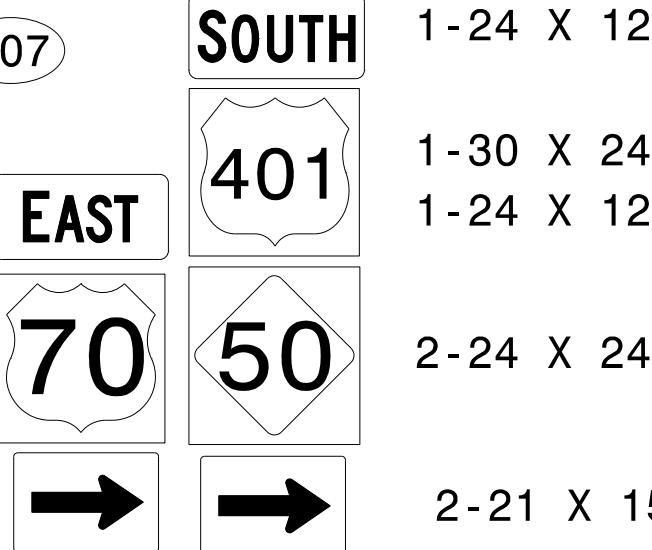
503



2-24 X 12  
2-24 X 24  
2-21 X 15

TWO "U" POSTS PER SIGN


507



1-24 X 12  
1-30 X 24  
1-24 X 12  
2-24 X 24  
2-21 X 15

TWO "U" POSTS PER SIGN

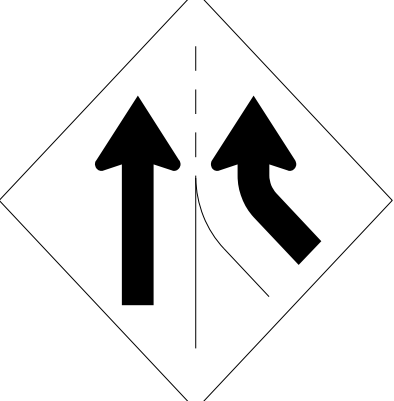
405 QUANTITY REQ'D 4



54 X 18  
R6-1 (R)

TWO "U" POSTS PER SIGN


410 QUANTITY REQ'D 2



36 X 36  
W4-3(R)

TWO "U" POSTS PER SIGN

415 QUANTITY REQ'D 1



24 X 12  
W4-4aP(R)

MOUNT BELOW SIGN 401  
IN 1 INSTALLATIONS

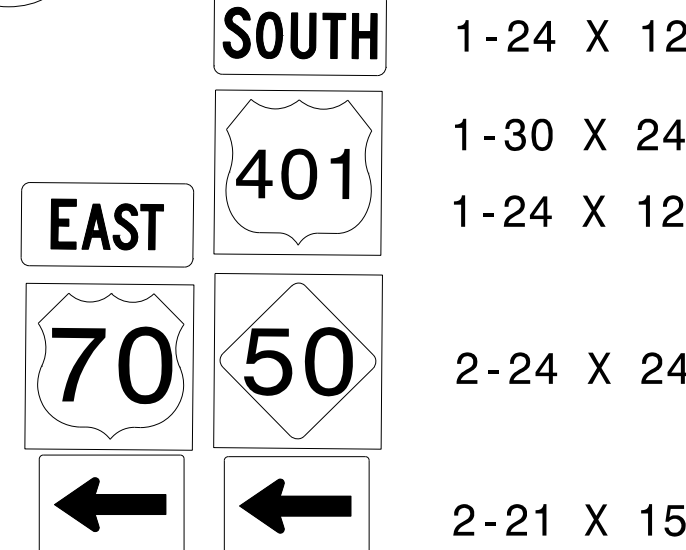
420 QUANTITY REQ'D 1



36 X 30  
R4-4

ONE "U" POST PER SIGN

504

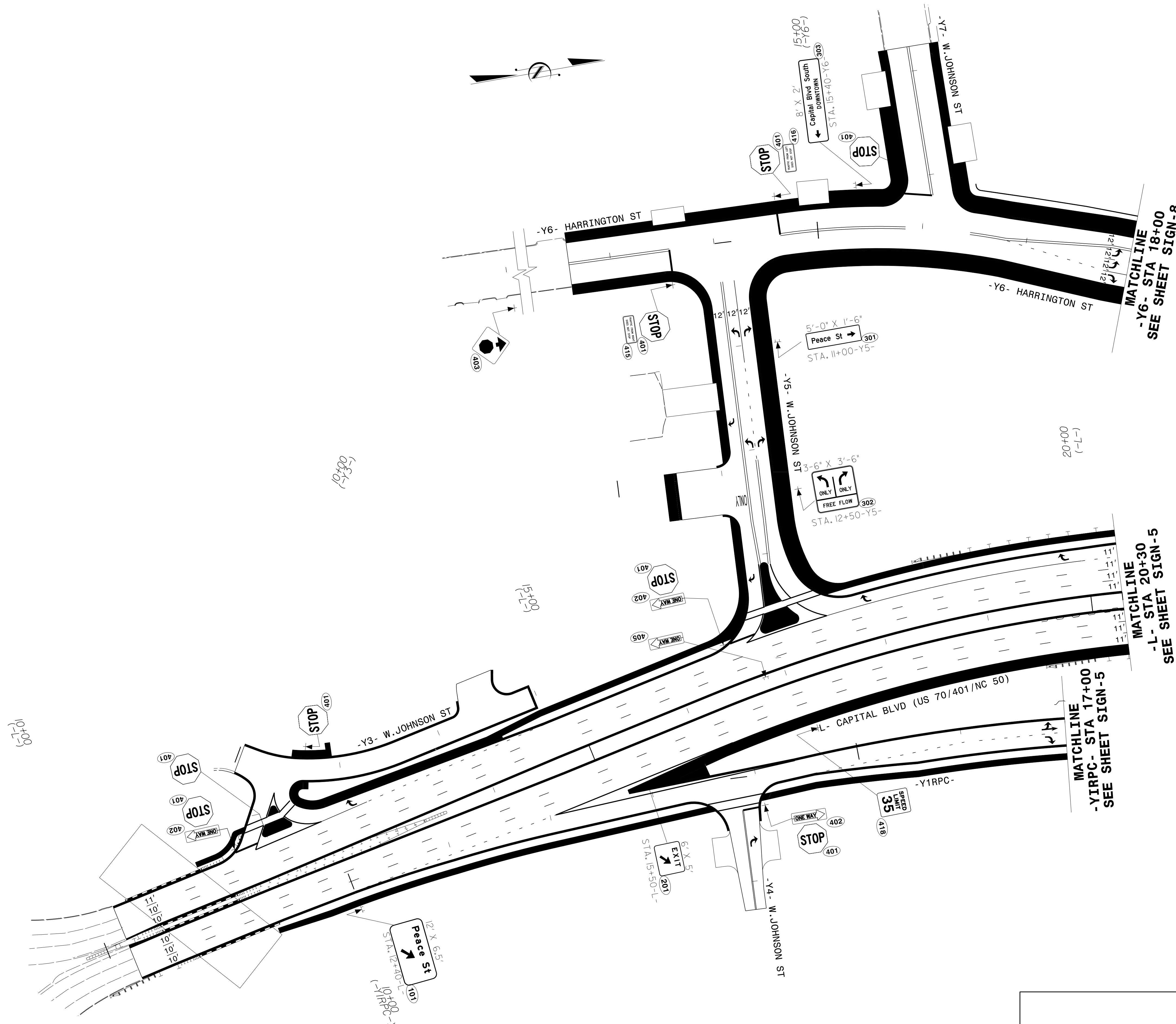


1-24 X 12  
1-30 X 24  
1-24 X 12  
2-24 X 24  
2-21 X 15


TWO "U" POSTS PER SIGN

**TYPE "E" & "F" SIGNS**

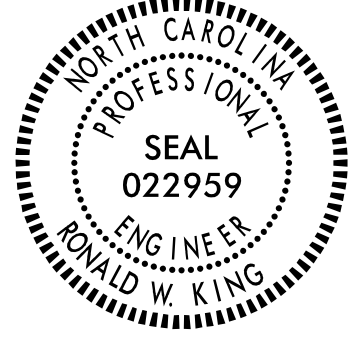
K/28/2016  
P:\Ipp\Projects-B\B5121\Traffic\Signing\CADD\Signing Layout Plans\B-5121-B5317\_Sgn-4.dgn  
Users\johns

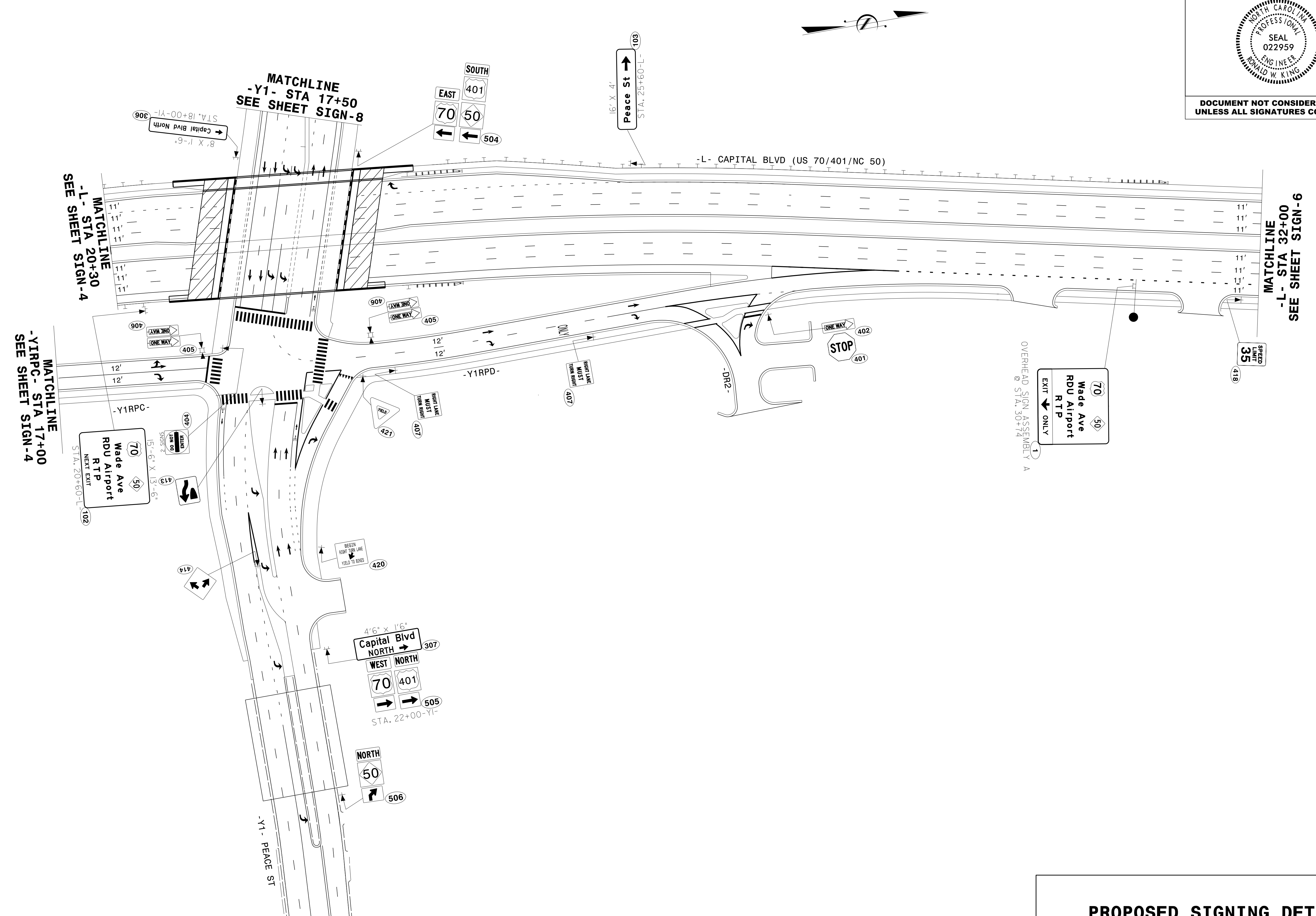


**PROPOSED SIGNING DETAIL**

TIP NO. B-5121 / B-5317	SHEET NO. SIGN-4
APPROVED: <u>Ronald W. King</u> <small>DocuSigned by: 069507A8577C4DC</small>	
DATE: 1/29/2016	
SEAL 	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	



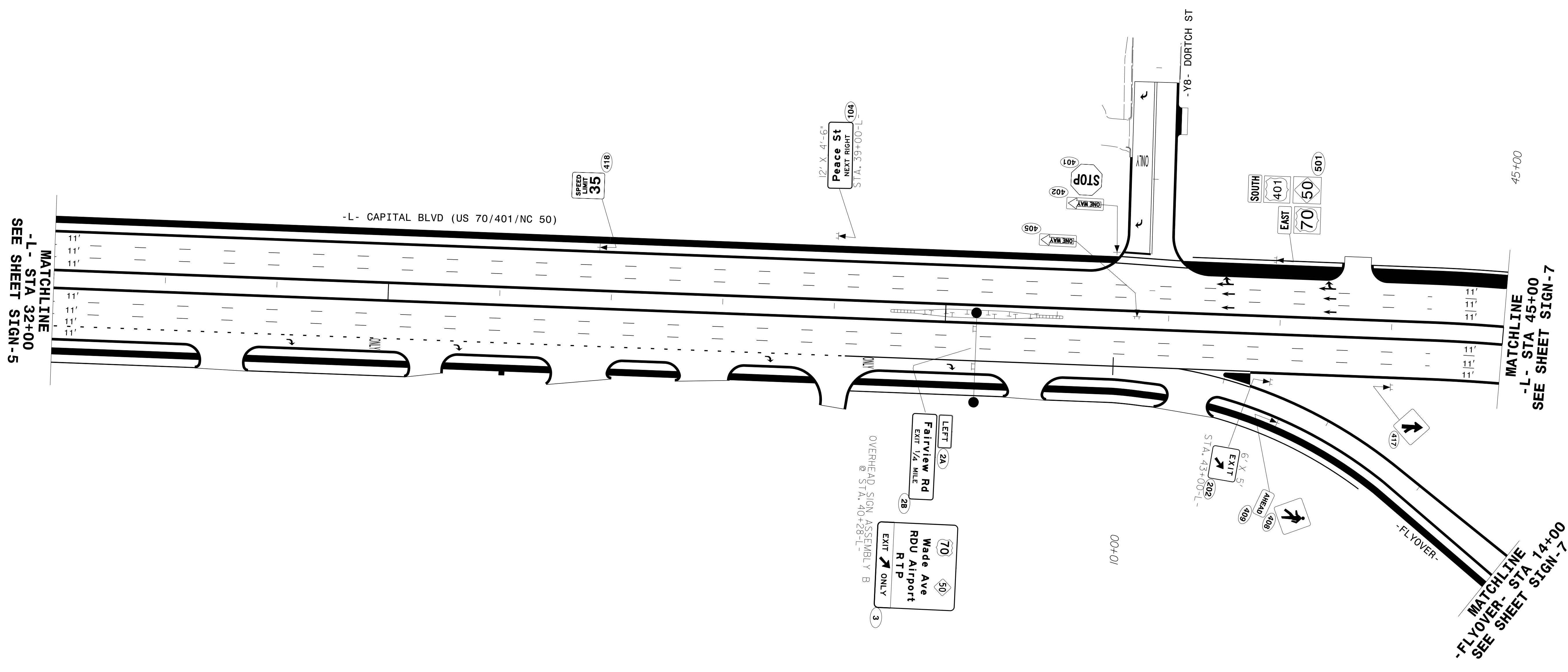
TIP NO. B-5121/B-5317	SHEET NO. SIGN-5
Approved by: <i>Ronald W. King</i> <small>089507A897C4DC...</small>	
DATE: 2/1/2016	
SEAL	
	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	



2/1/2016  
 P:\TIP-Projects-B\B5121\Traffic\Signing\CADD\Signing Layout Plans\B-5121-B5317\_Sgn-5.dgn  
 Users\johns

**PROPOSED SIGNING DETAIL**



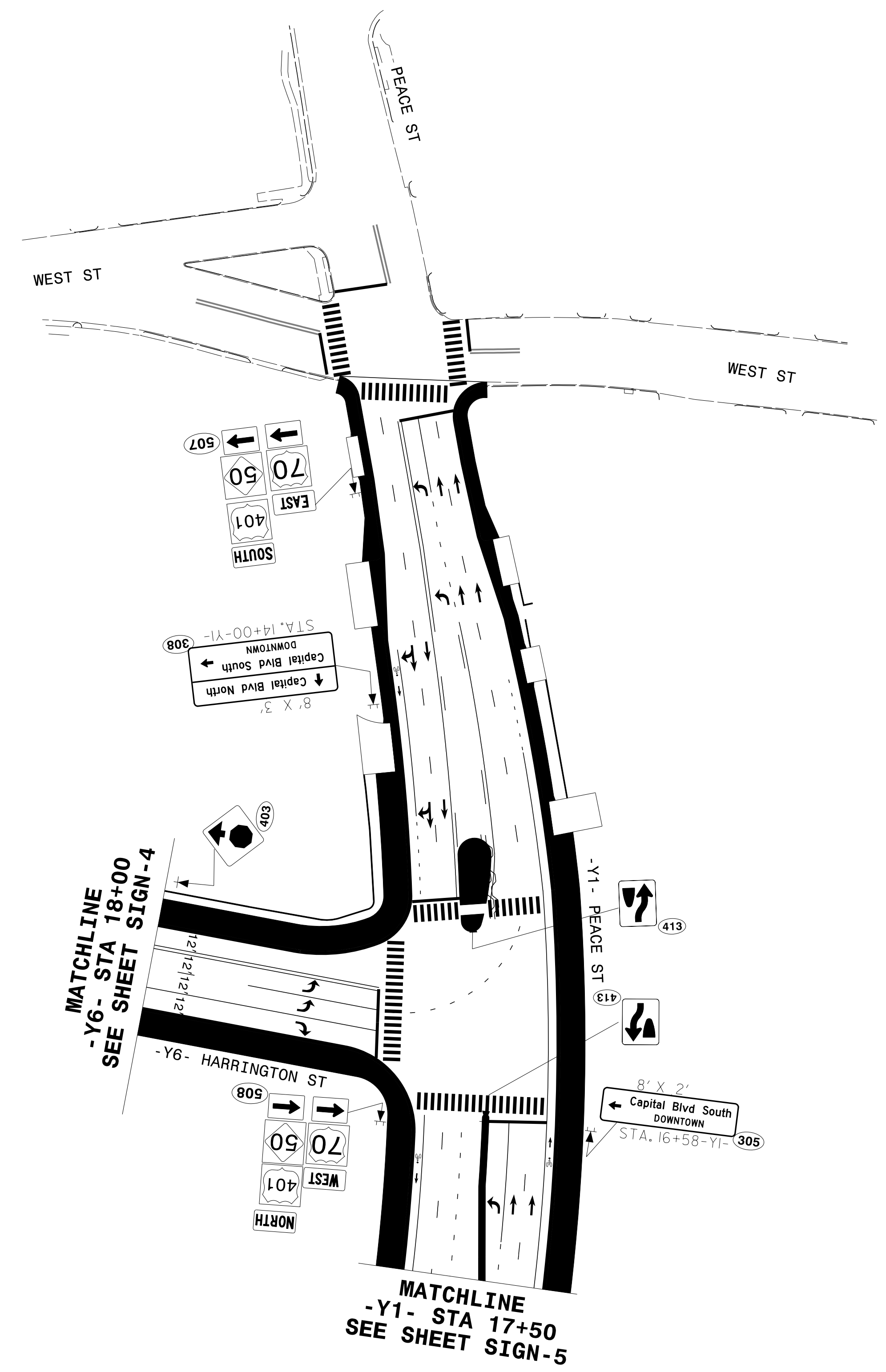


**PROPOSED SIGNING DETAIL**





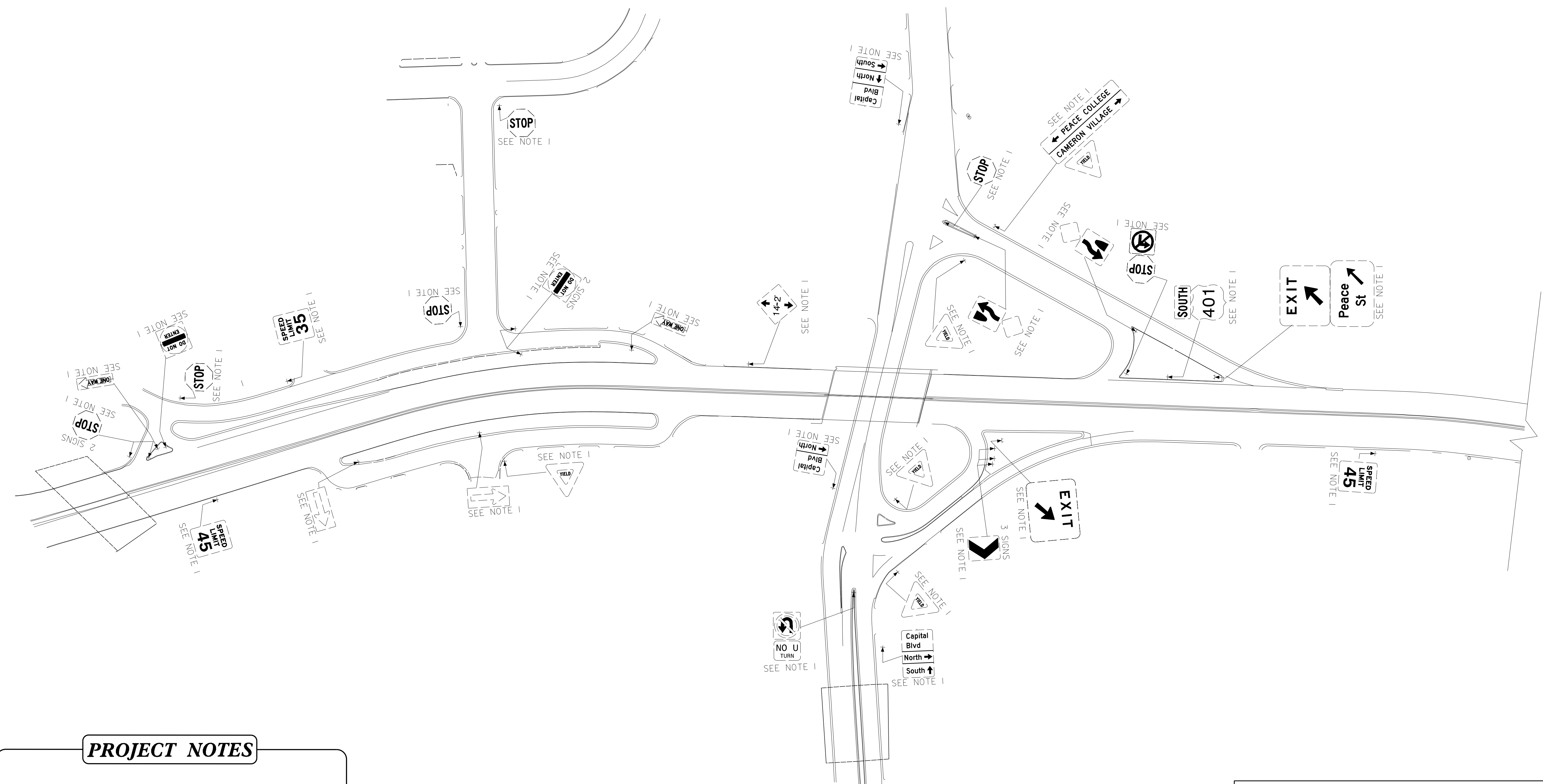
**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



2/1/2016  
 P:\TIP-Projects-B\B5121\Traffic\Signing\CADD\Signing Layout Plans\B-5121-B5317\_Sgn-8.dgn  
 Users\johns

**PROPOSED SIGNING DETAIL**





**BREAKLINE  
SEE SHEET SIGN-10**

**PROJECT NOTES**

- DISPOSAL OF SIGN SYSTEM, U-CHANNEL

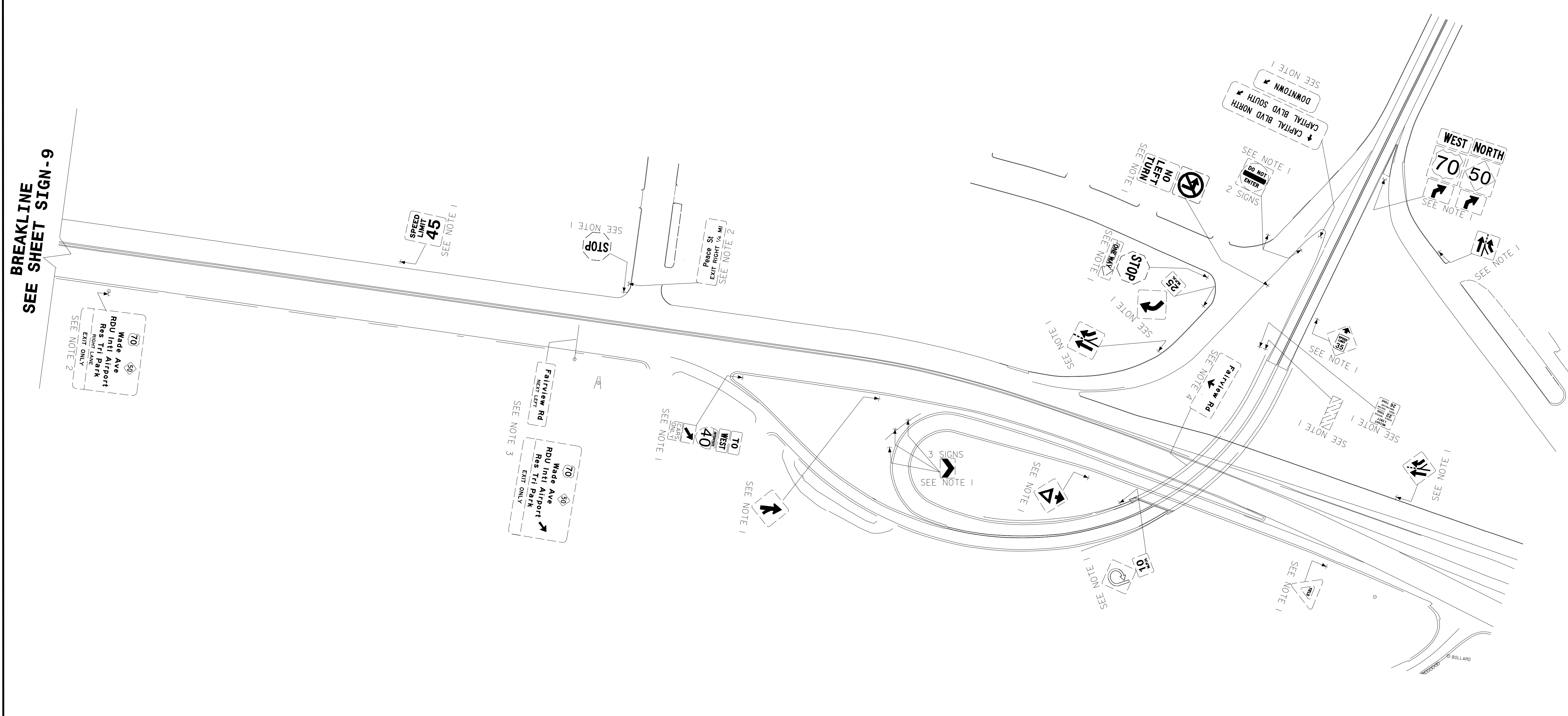
**EXISTING SIGNING SHEET**

1/28/2016  
 P:\IP\Projects-B\B5121\Traffic\Signing\CADD\Signing Layout Plans\B-5121-B5317\_Sgn-9.dgn  
 Users\johns

APPROVED: *Ronald W. King*  
DATE: 1/29/2016



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



BREAKLINE  
SEE SHEET SIGN-9

- PROJECT NOTES**
- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
  - 2 DISPOSAL OF SIGN SYSTEM, STEEL BEAM
  - 3 DISPOSAL OF SIGN SYSTEM, OVERHEAD
  - 4 DISPOSAL OF SIGN, A OR B (OVERHEAD)

**EXISTING SIGNING SHEET**