


T.I.P.: U-4909

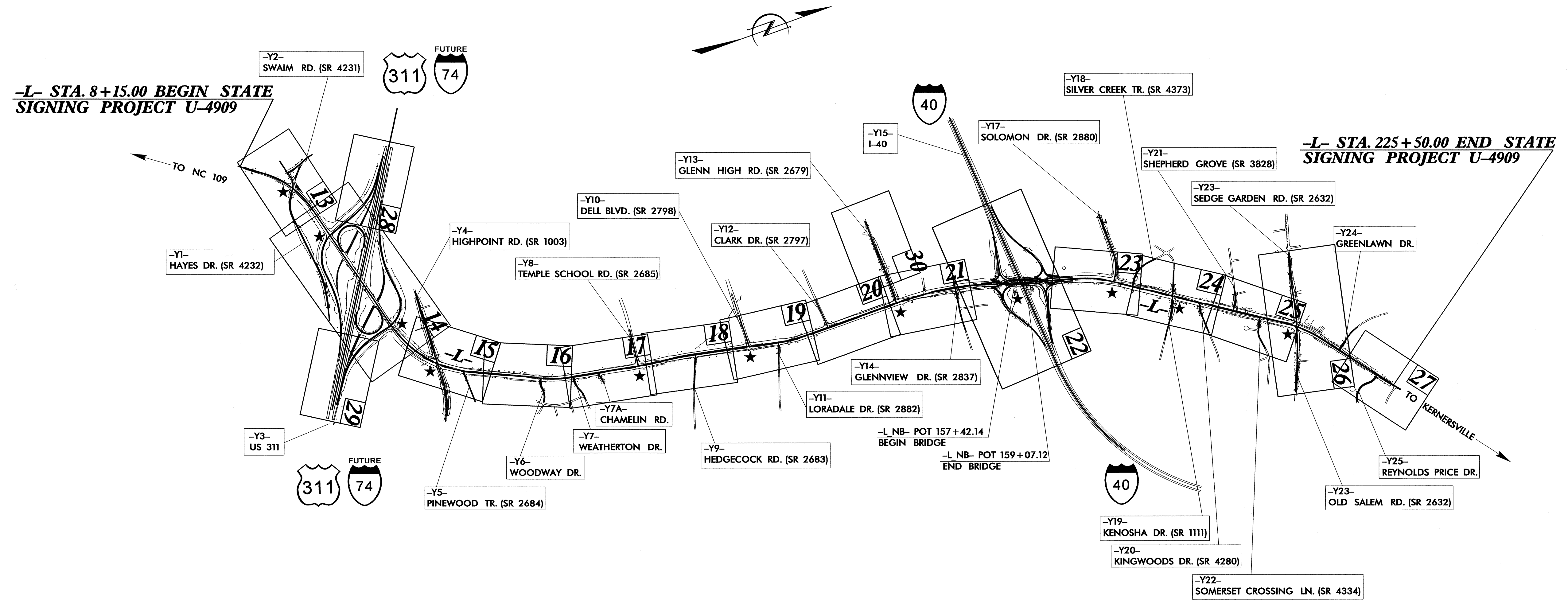
CONTRACT:

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
FORSYTH COUNTY**

**LOCATION: SR 2643 (UNION CROSS RD) FROM SR 2691 (WALLBURG RD)
TO SR 2632 (SEDE GARDEN RD)**

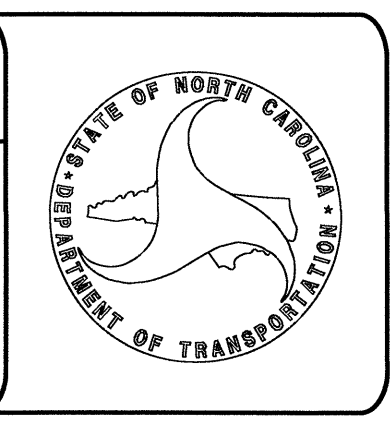
TIP NO. U-4909	SHEET NO. SIGN-1
APPROVED: <i>[Signature]</i>	
DATE: 9/6/11	
	



**-L- STA. 8+15.00 BEGIN STATE
SIGNING PROJECT U-4909**

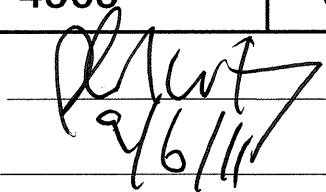

**-L- STA. 225+50.00 END STATE
SIGNING PROJECT U-4909**

PLAN PREPARED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT	
R. KING, PE	STATE SIGNING & DELINEATION ENGINEER
K. JORDAN	SIGNING & DELINEATION REGIONAL ENGINEER
M. TRACEY	SIGNING & DELINEATION PROJECT DESIGN ENGINEER



SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	NOTES AND SUMMARY OF QUANTITIES
SIGN-3	SUPPORT INFORMATION
SIGN-4-4C	GROUND MOUNTED SIGN SUPPORT AND SIGN MOUNTING DETAILS
SIGN-5-5B	E AND F SHEETS
SIGN-6-6E	OVERHEAD SIGN ASSEMBLY SHEET
SIGN-7-12	SIGN DESIGNS
SIGN-13-30	SIGN ROADWAY SHEETS

KLS
JGM
MKT

TIP NO.	SHEET NO.
U-4909	SIGN-2
APPROVED: 	
DATE: 7/6/11	
SEAL	
	

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
903.40	MEDIAN BARRIER SIGN SUPPORT AND ANCHORAGE
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

PAY ITEM NOTES

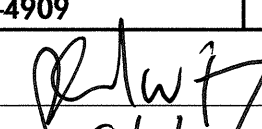

- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2 RELOCATE SIGN, TYPE E
- 3 DISPOSAL OF SIGN SYSTEM, STEEL BEAM
- 4 RELOCATE SIGN, TYPE D
- 5 RELOCATE SIGN, TYPE A (GROUND MOUNTED)
- 6 DISPOSAL OF SUPPORT, STEEL BEAM

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
- . ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- . WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- . DO NOT BEGIN FABRICATION FOR TYPES A & B SIGNS MOUNTED ON OVERHEAD STRUCTURES OR STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

SUMMARY OF QUANTITIES

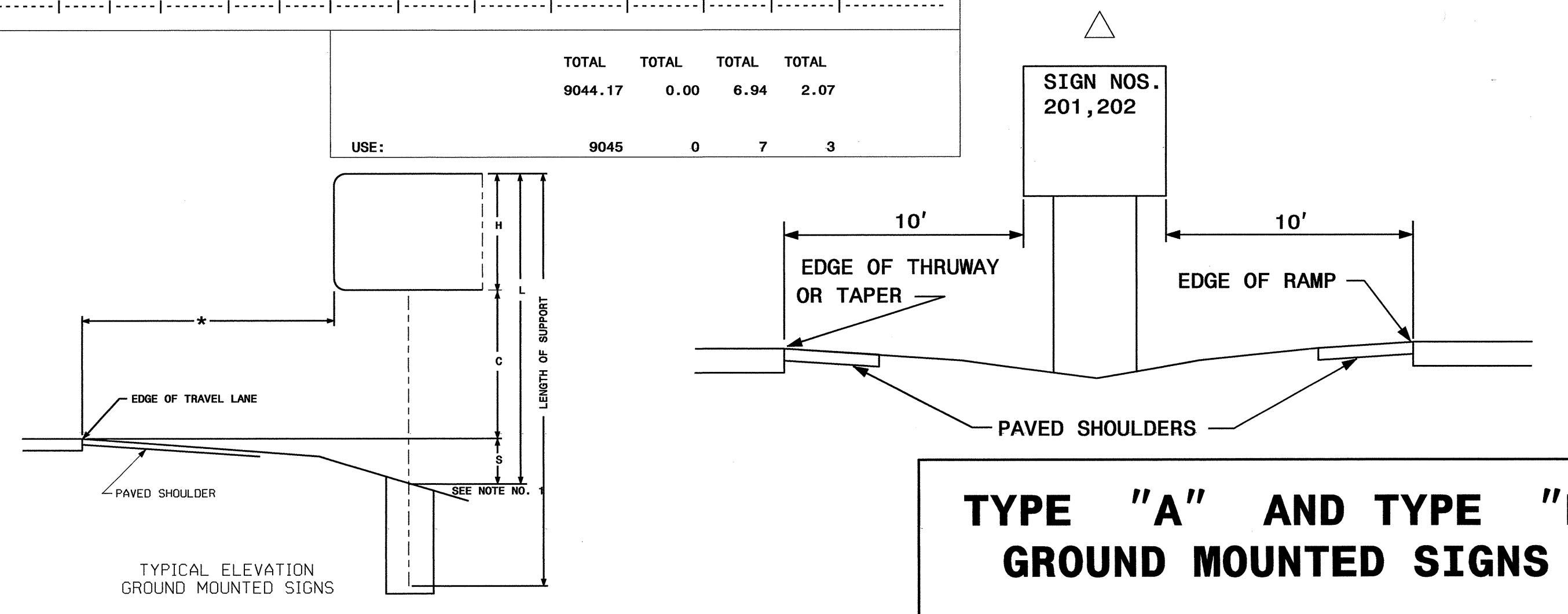
ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
0001000000	800	MOBILIZATION	1	L.S.
4057000000	SP	OVERHEAD FOOTING	120	C.Y.
4109000000	904	SIGN ERECTION, TYPE A (OVERHEAD)	12	EA.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	9045	LB.
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	7	C.Y.
4054000000	902	PLAIN CONCRETE SIGN FOUNDATION	3	C.Y.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	4232	L.F.
4102000000	904	SIGN ERECTION, TYPE E	270	EA.
4108000000	904	SIGN ERECTION, TYPE F	15	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	12	EA.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE A AT STATION 18+00	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE B AT STATION 18+00	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE C AT STATION 152+75	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE D AT STATION 164+25	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE E AT STATION 160+50	1	L.S.
4082100000	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE F AT STATION 156+75	1	L.S.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE D	2	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE E	6	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	162	EA.
4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	3	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE A (GROUND MOUNTED)	6	EA.
4138000000	907	DISPOSAL OF SUPPORT, STEEL BEAM	6	EA.

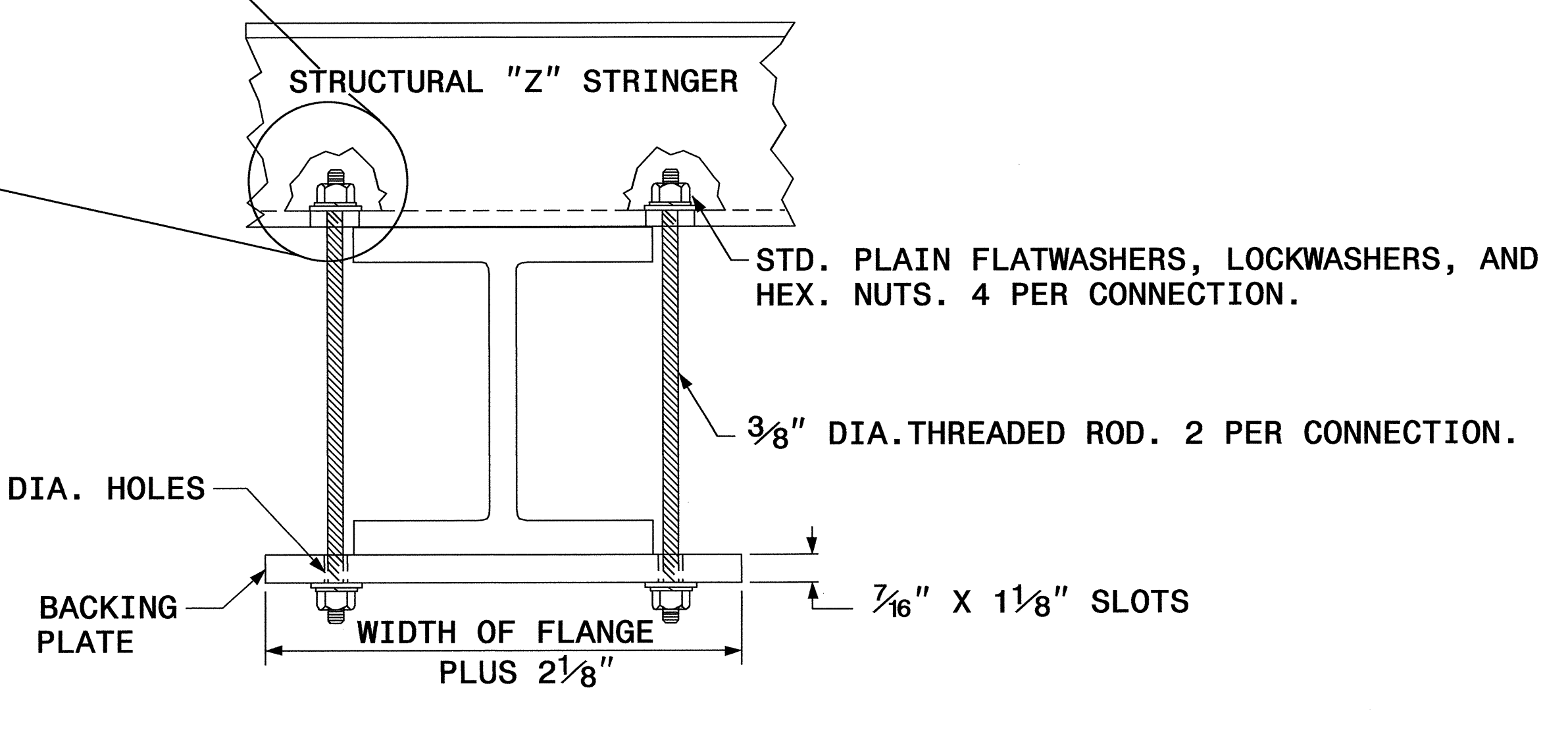
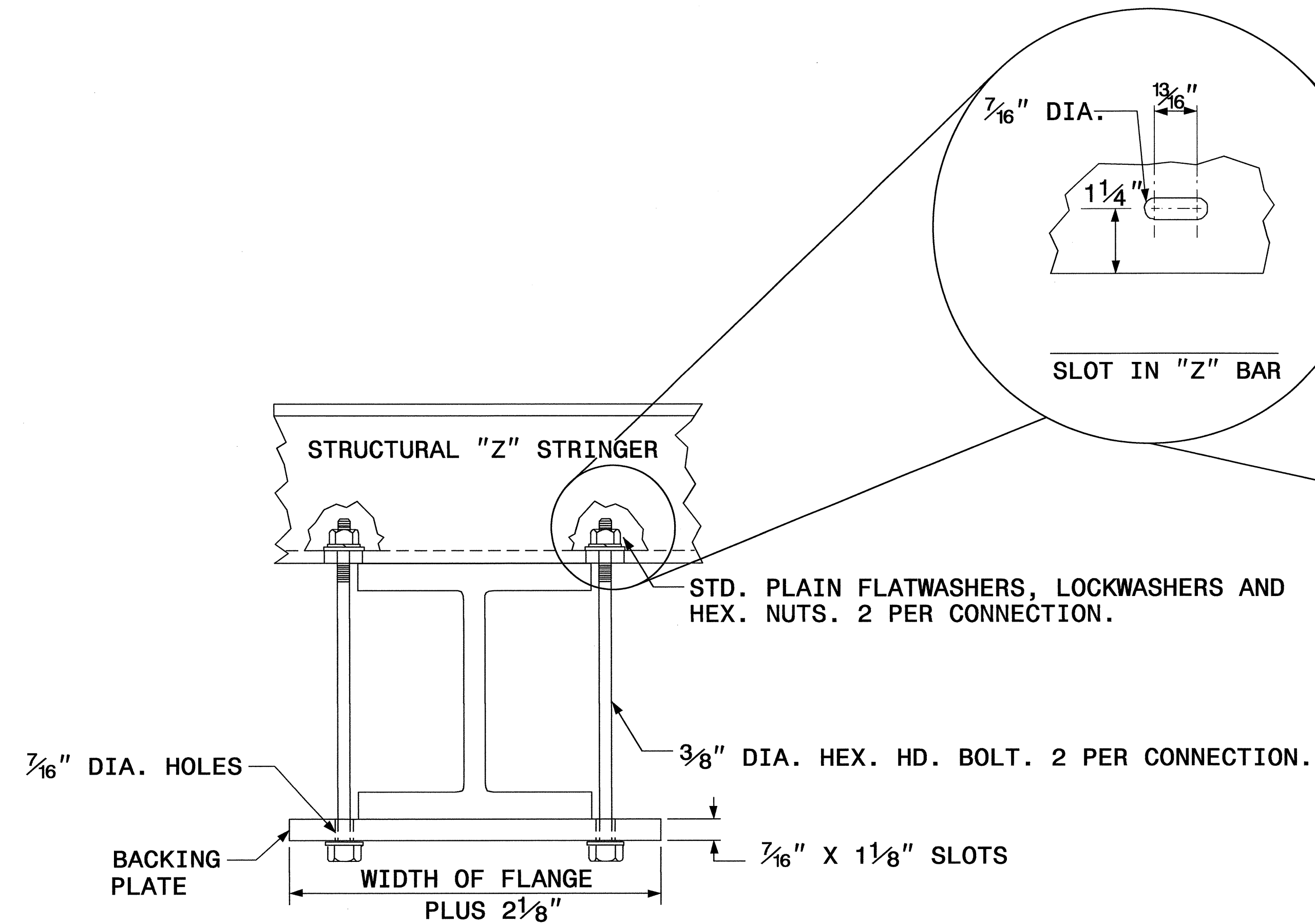
TIP NO. U-4909	SHEET NO. SIGN-3
APPROVED: 	
DATE: 9/6/11	
SEAL	
	

SIGN NO.	TYPE	SIGN SIZE (in.)	ROADWAY STATION	NO. OF SUP.	BEAM SECTION	SUPPORT TYPE	ATTACH METHOD	MOUNTING METHOD	HORIZ. CLR. (ft.)	SNS HT (ft.)	MTG HT (ft.)	EMBED- S	LENGTH (ft.)			B/A	SIMPLE	FIELD										
													TOTAL	S	L			DIAMETER (ft.)	DEPTH (ft.)	WEIGHTS (lbs.)	WEIGHTS (lbs.)	FTGS. (c.y.)	FTGS. (c.y.)	VERIFIED (mm/dd/yy)				
101	A	114 X78	-L- 22+00	2	W6x9	BA	N/A	N/A	18.00	6.50	7.00		4.1	1.43	14.93	18.93	0.00	0.00	0.00	2.31	15.81	19.81	1.5	4.5	411.78	0.00	0.59	0.00
102	A	144 X78	-L- 24+00	2	W6x12	BA	N/A	N/A	18.00	6.50	7.00		4.5	2.25	15.75	20.25	0.00	0.00	0.00	3.75	17.25	21.75	1.5	5	589.36	0.00	0.65	0.00
103	A	174 X120	-L- 26+50	2	W6x16	BA	N/A	N/A	18.00	10.00	7.00		5.5	1.50	18.50	24.00	0.00	0.00	0.00	0.01	17.01	22.51	1.5	6	876.54	0.00	0.79	0.00
104	A	180 X60	-L- 42+50	2	W6x12	BA	N/A	N/A	18.00	5.00	7.00		4.5	2.46	14.46	18.96	0.00	0.00	0.00	5.37	17.37	21.87	1.5	5	575.32	0.00	0.65	0.00
105	A	144 X78	-L- 51+25	2	W6x12	BA	N/A	N/A	18.00	6.50	7.00		4.5	1.50	15.00	19.50	0.00	0.00	0.00	1.85	15.35	19.85	1.5	5	557.56	0.00	0.65	0.00
106	A	114 X78	-L- 49+00	2	S4x7.7	BA	N/A	N/A	18.00	6.50	7.14		4.5	0.01	13.65	18.15	0.00	0.00	0.00	-0.14	13.50	18.00	1	5	318.96	0.00	0.00	0.29
107	A	180 X120	-L- 47+00	2	W6x16	BA	N/A	N/A	18.00	10.00	8.75		6	-1.69	17.06	23.06	0.00	0.00	0.00	-1.75	17.00	23.00	1.5	6.5	869.34	0.00	0.85	0.00
108	A	150 X60	-L- 30+50	2	W6x9	BA	N/A	N/A	18.00	5.00	7.00		4	1.56	13.56	17.56	0.00	0.00	0.00	2.02	14.02	18.02	1.5	4.5	383.34	0.00	0.59	0.00
109	A	132 X138	-L- 148+52	2	W6x16	BA	N/A	N/A	18.00	11.50	7.00		5.5	0.52	19.02	24.52	0.00	0.00	0.00	0.84	19.34	24.84	1.5	6	922.14	0.00	0.79	0.00
110	A	132 X138	-L- 171+00	2	W6x16	BA	N/A	N/A	18.00	11.50	7.00		5.5	0.36	18.86	24.36	0.00	0.00	0.00	0.28	18.78	24.28	1.5	6	910.62	0.00	0.79	0.00
901	A	90 X72	-Y15RPA-15+35	2	W6x9	BA	N/A	N/A	18.00	6.00	7.00		4	2.72	15.72	19.72	0.00	0.00	0.00	4.18	17.18	21.18	1.5	4.5	431.22	0.00	0.59	0.00
902	A	90 X72	-Y15RPA-16+00	2	S4x7.7	BA	N/A	N/A	18.00	6.00	7.00		4	1.13	14.13	18.13	0.00	0.00	0.00	1.40	14.40	18.40	1	4.5	321.89	0.00	0.00	0.26
903	A	90 X72	-Y15RPA-17+45	2	S4x7.7	BA	N/A	N/A	18.00	6.00	7.00		4	1.80	14.80	18.80	0.00	0.00	0.00	2.54	15.54	19.54	1	4.5	335.83	0.00	0.00	0.26
904	A	90 X72	-Y15RPA-14+00	2	S4x7.7	BA	N/A	N/A	18.00	6.00	7.00		4	1.66	14.66	18.66	0.00	0.00	0.00	2.19	15.19	19.19	1	4.5	332.05	0.00	0.00	0.26
905	A	90 X72	-Y15RPA-15+50	2	S4x7.7	BA	N/A	N/A	18.00	6.00	7.00		4	2.71	15.71	19.71	0.00	0.00	0.00	2.69	15.69	19.69	1	4.5	343.99	0.00	0.00	0.26
906	A	90 X72	-Y15RPA-17+00	2	S4x7.7	BA	N/A	N/A	18.00	6.00	7.00		4	2.50	15.50	19.50	0.00	0.00	0.00	2.87	15.87	19.87	1	4.5	343.76	0.00	0.00	0.26
201	A	78 X60	SEE PLANS	2	S3x5.7	BA	N/A	N/A	15.00	7.00			3.5	0.01	12.01	15.51	0.00	0.00	0.00	0.01	12.01	15.51	1	4	212.35	0.00	0.00	0.23
202	A	78 X60	SEE PLANS	2	S4x7.7	BA	N/A	N/A	15.00	7.00			3.5	1.43	13.43	16.93	0.00	0.00	0.00	2.31	14.31	17.81	1	4	308.11	0.00	0.00	0.23

TOTAL	TOTAL	TOTAL	TOTAL
9044.17	0.00	6.94	2.07
USE:	9045	0	7 3

- 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.

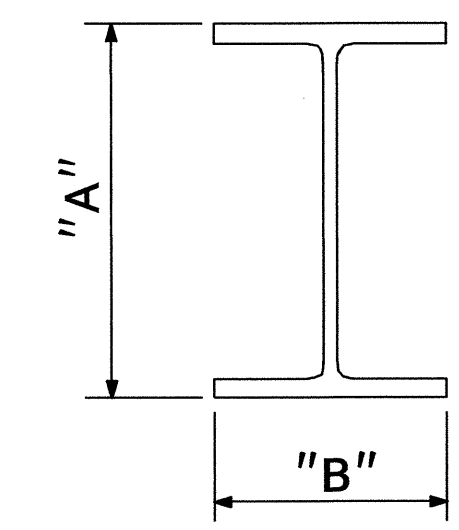
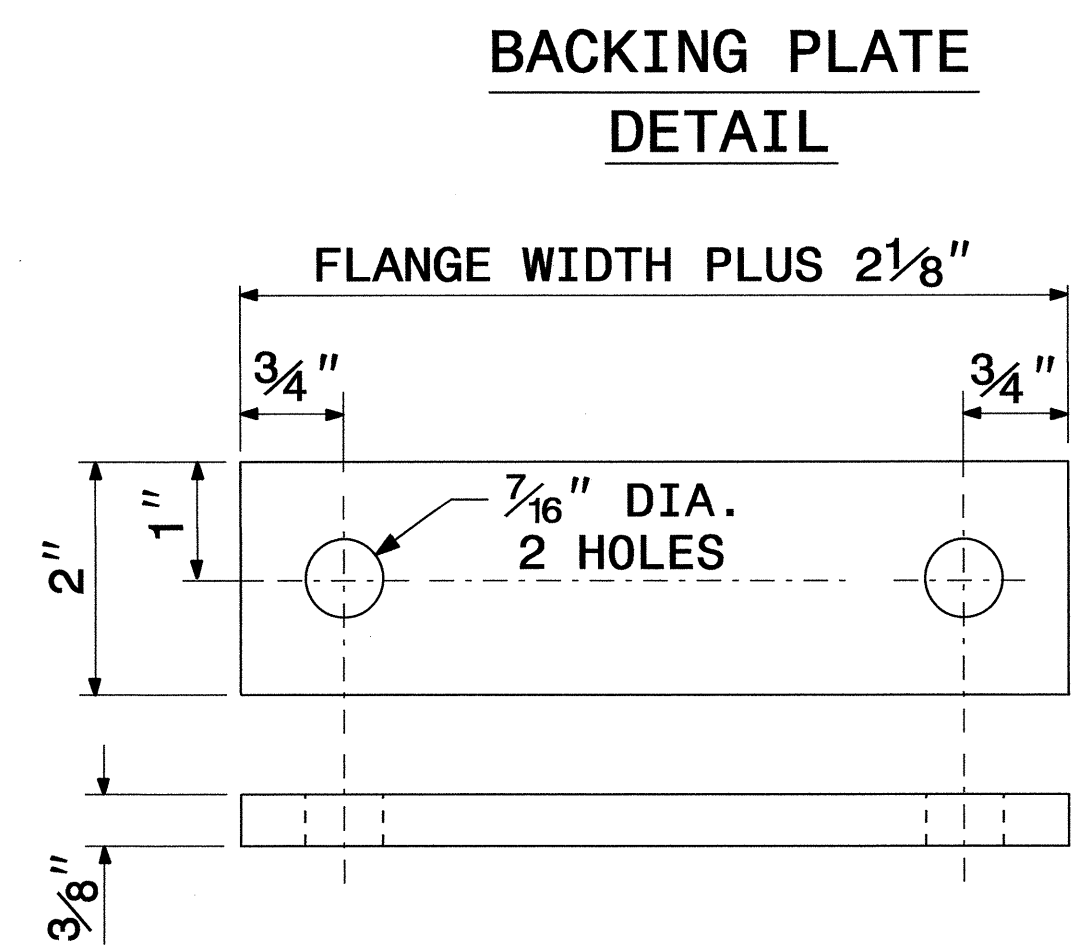




SUPPORT MOUNTING DETAIL

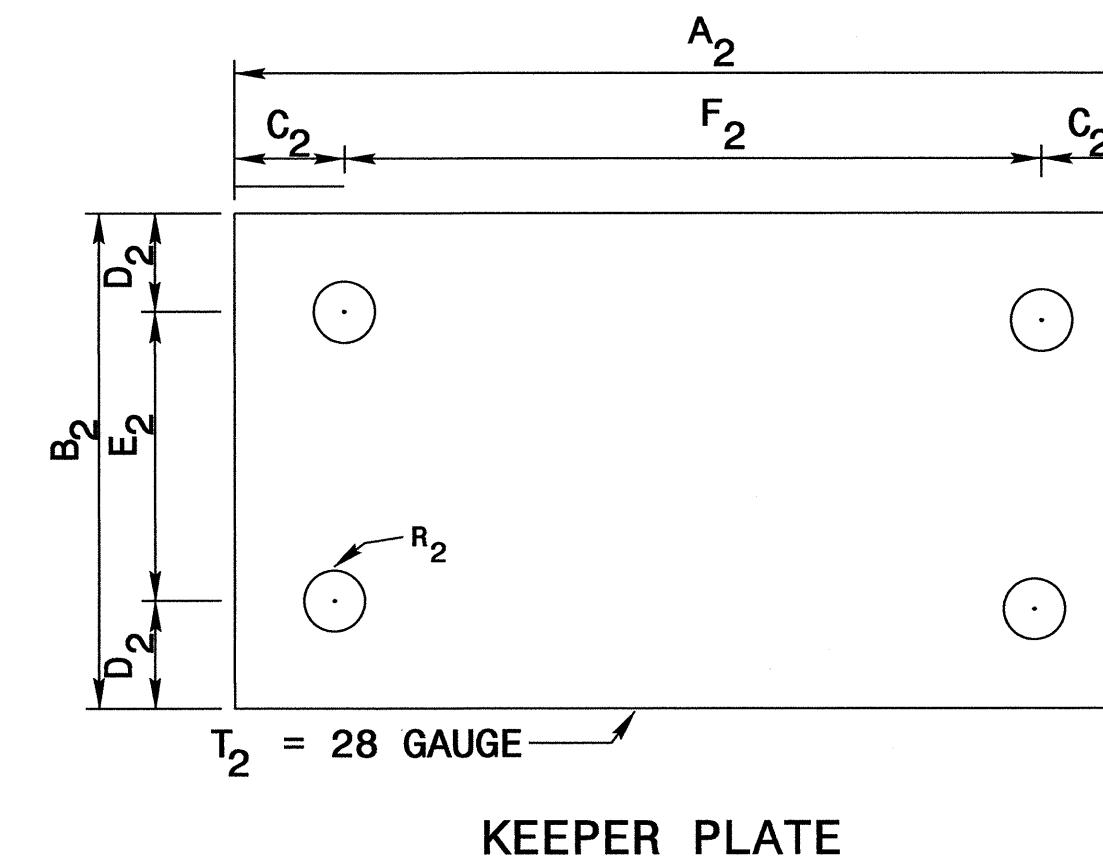
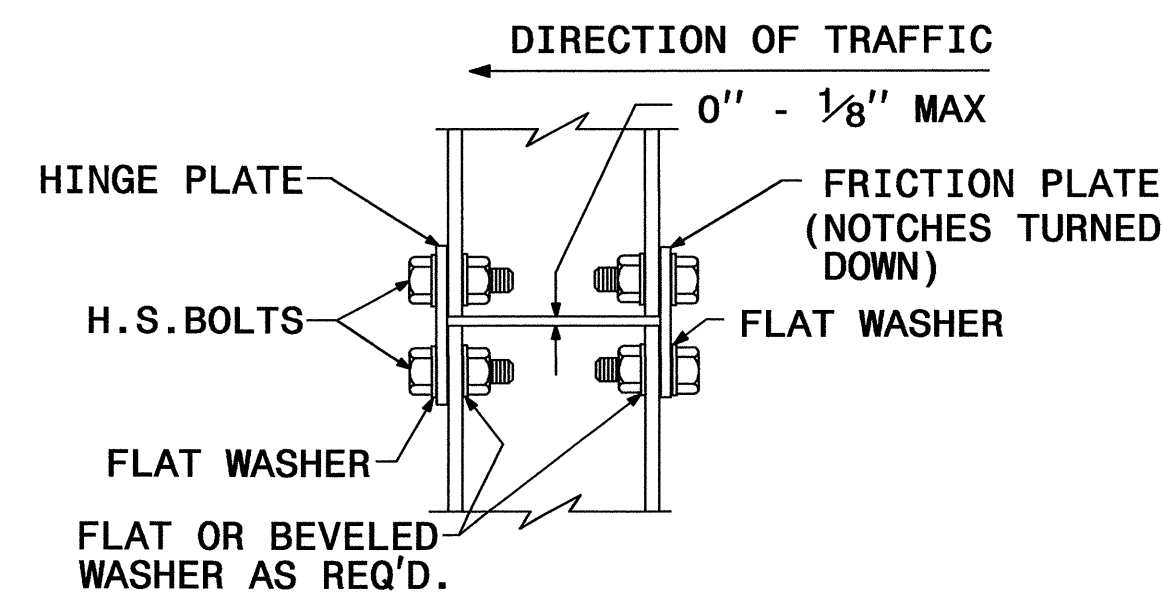
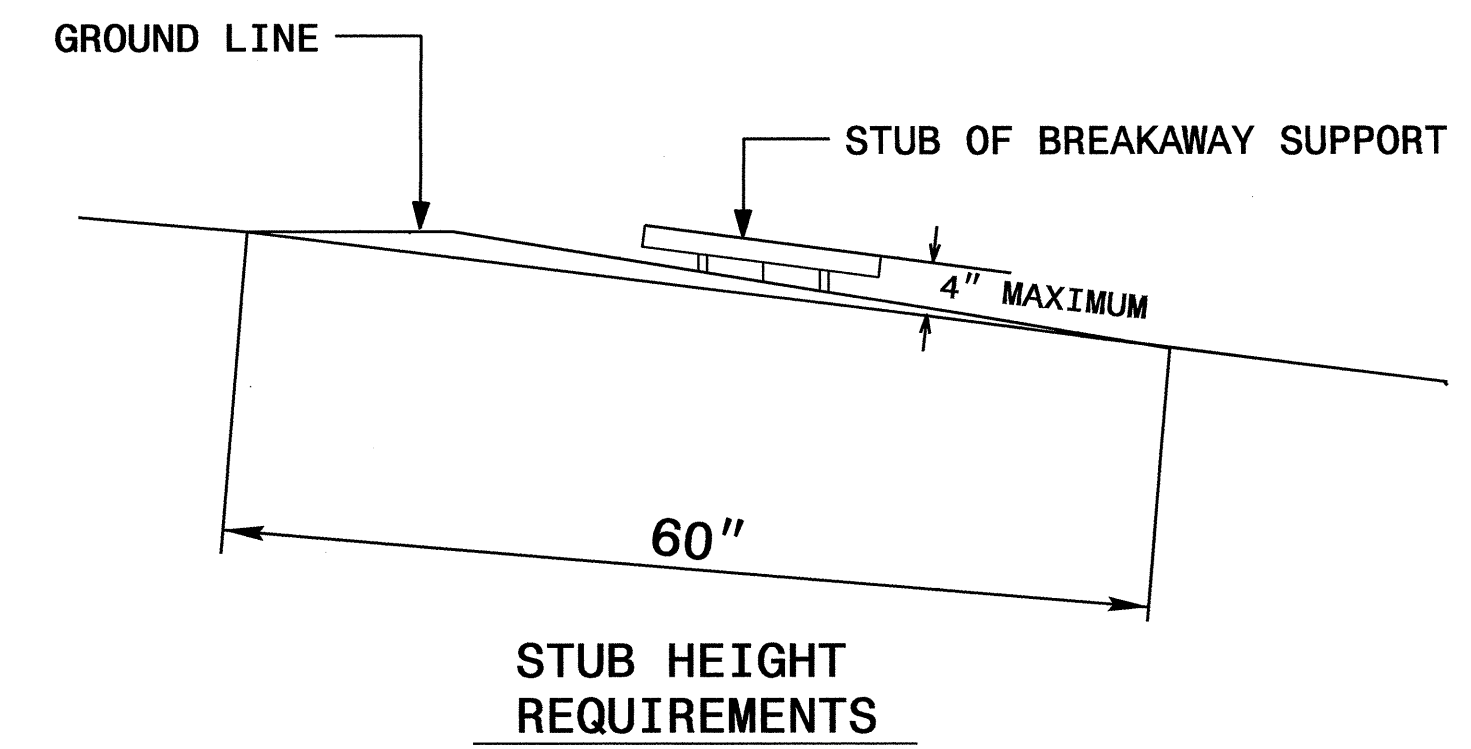
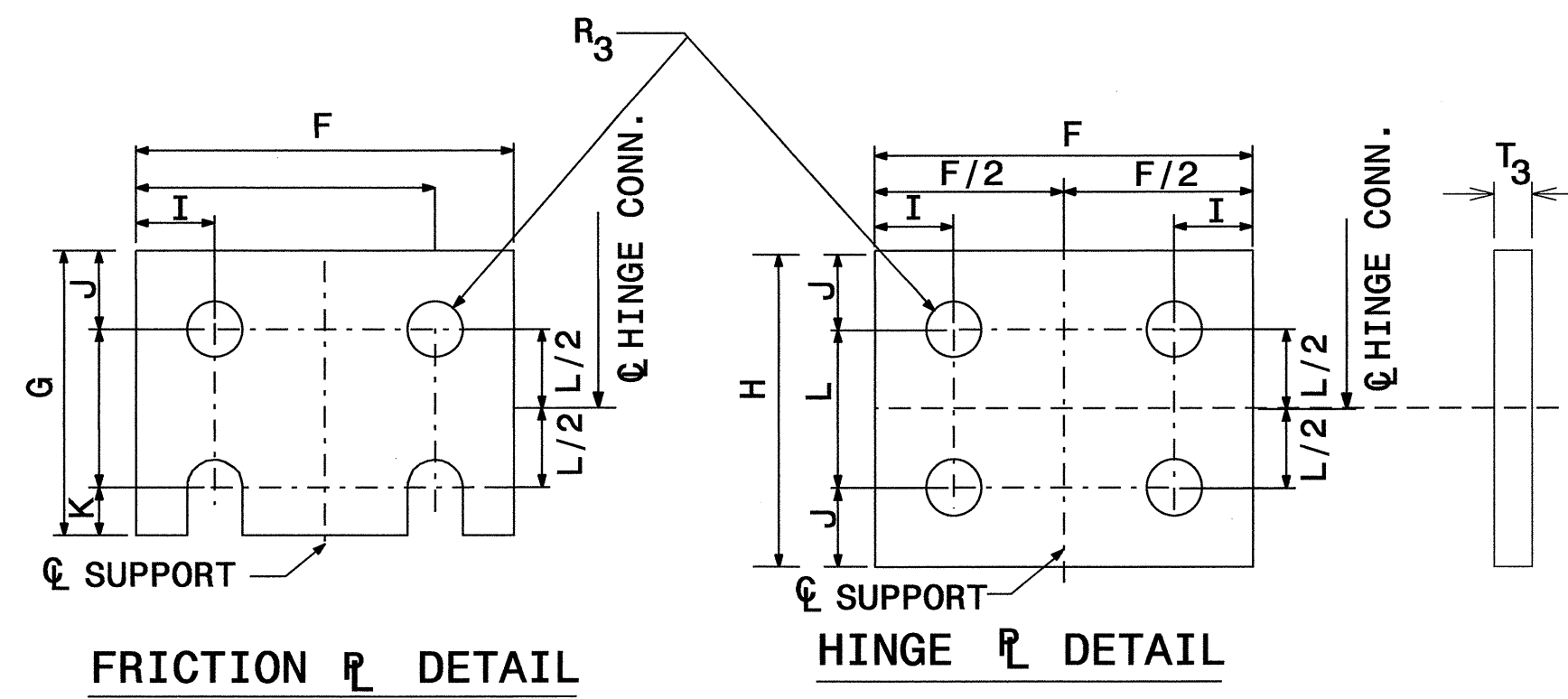
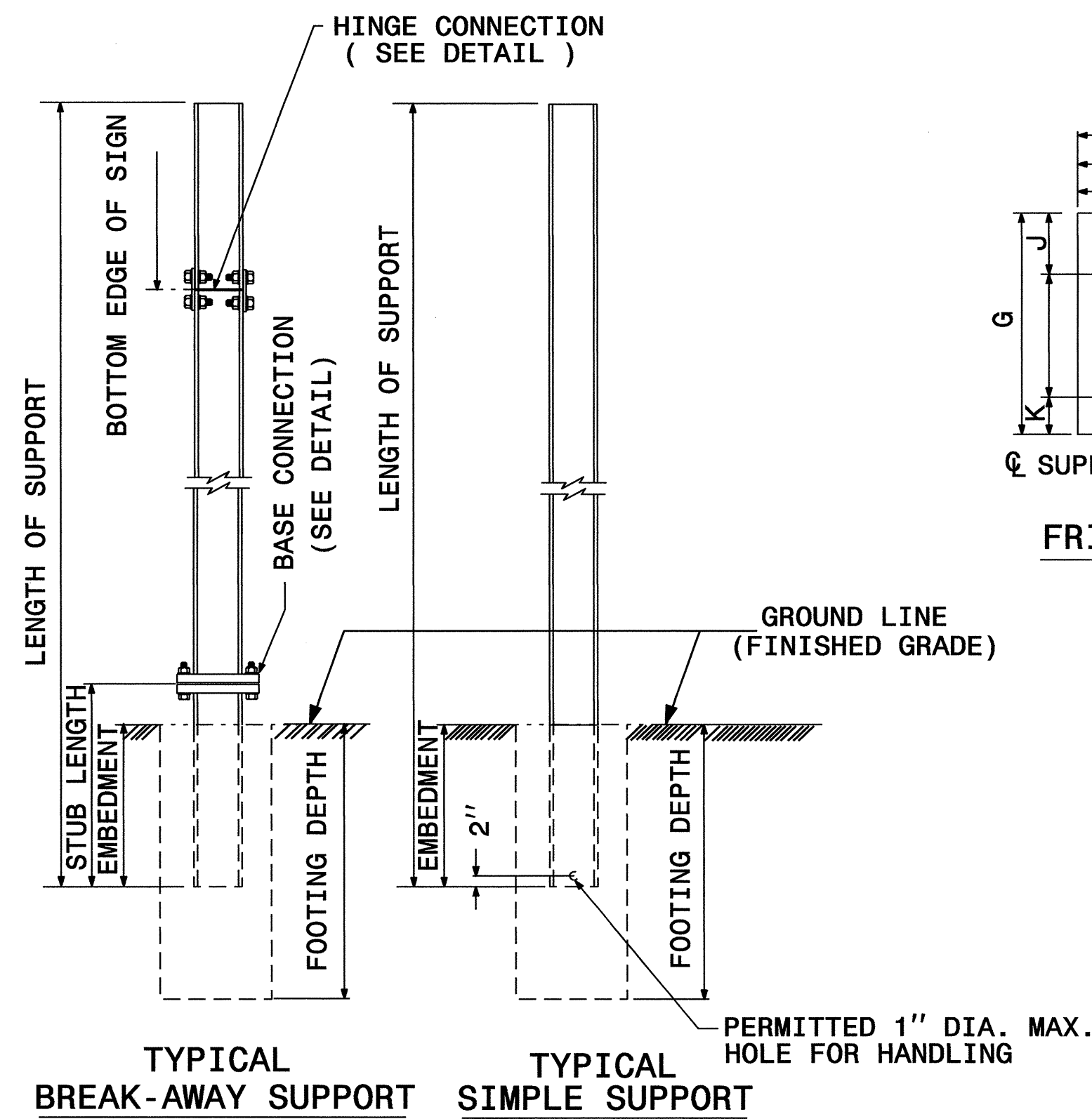
ALTERNATIVE SUPPORT MOUNTING DETAIL

SIGN SUPPORTS SECTION DIMENSIONS



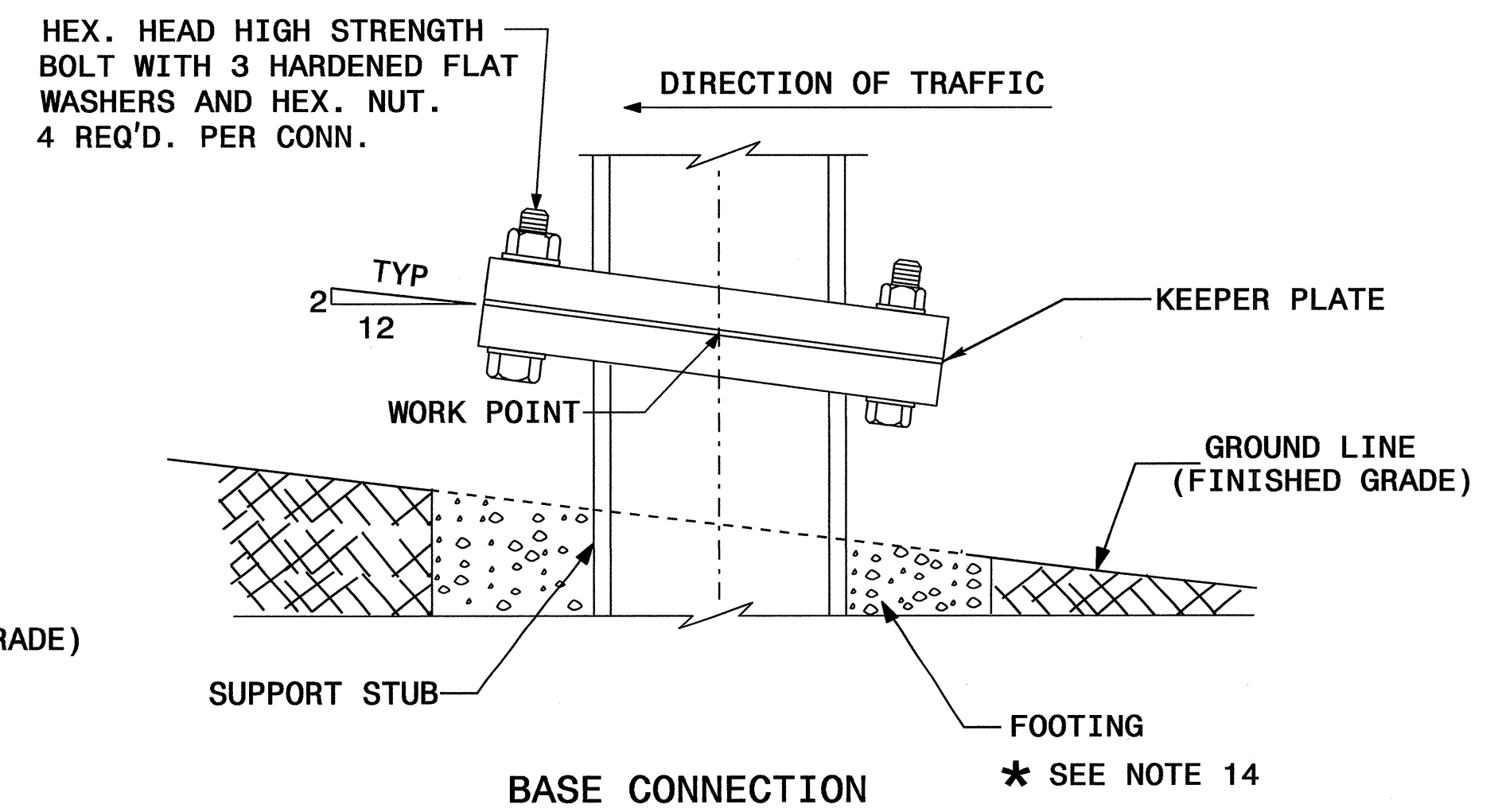
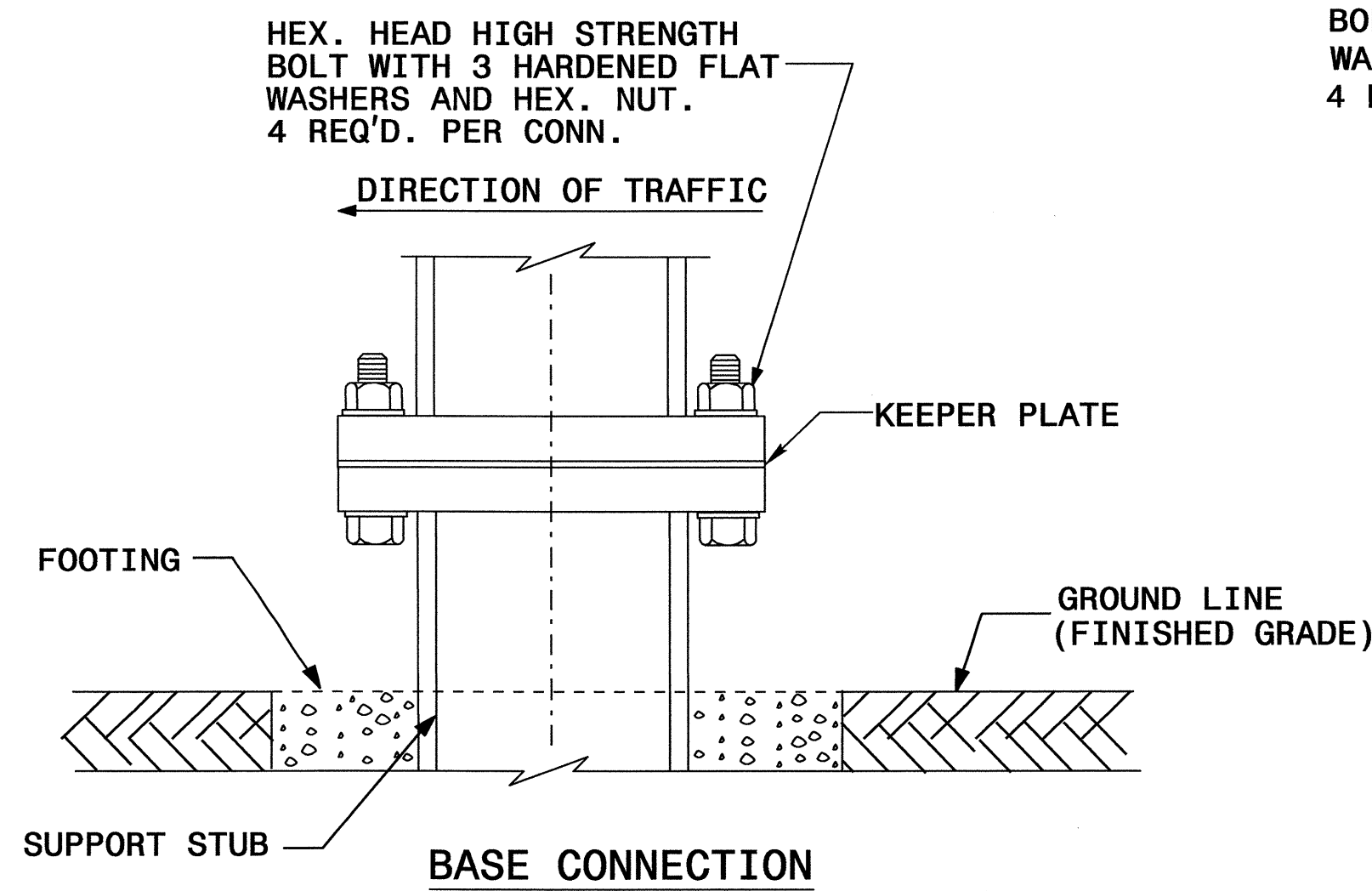
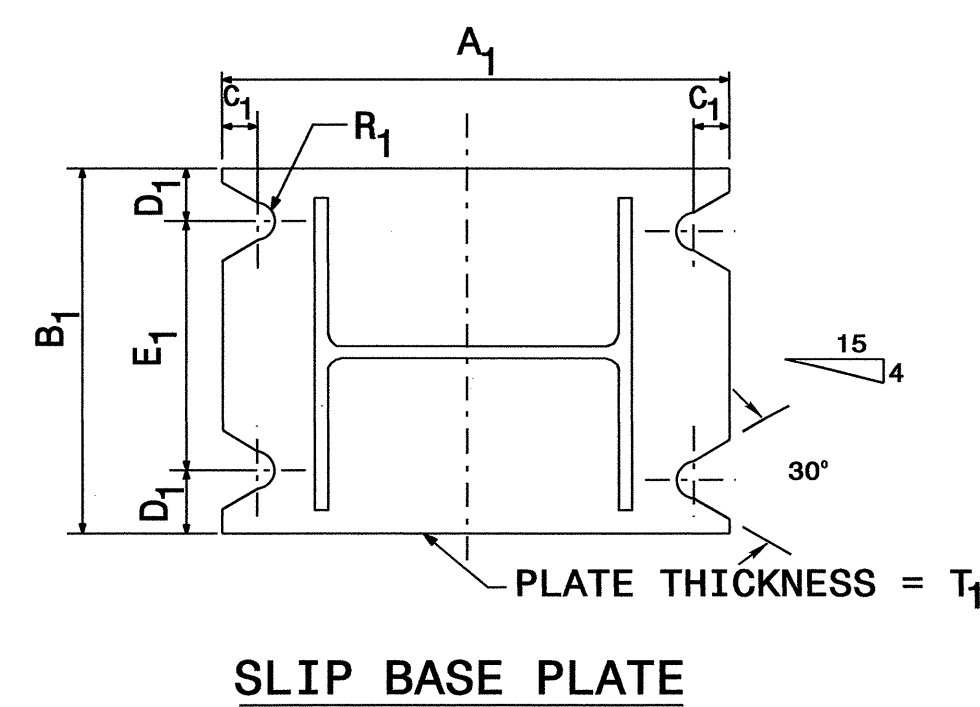
SECTION	A	B
S3 X 5.7	3"	2 3/8"
S4 X 7.7	4"	2 5/8"
W6 X 9	6"	4"
W6 X 12	6"	4"
W6 X 16	6 1/4"	4"
W8 X 18	8 1/8"	5 1/4"
W8 X 21	8 1/4"	5 1/4"
W10 X 22	10 1/8"	5 3/4"
W10 X 26	10 3/8"	5 3/4"
W12 X 26	12 1/4"	6 1/2"
W14 X 30	13 7/8"	6 3/4"
W16 X 31	15 7/8"	5 1/2"
W18 X 35	17 3/4"	6"
W18 X 40	17 7/8"	6"
W21 X 44	20 5/8"	6 1/2"

1. THE SUPPORT MOUNTING DETAIL SHOWS A "W" OR "S" BEAM. THIS DETAIL IS ALSO USED FOR MOUNTING SIGNS TO WOOD OR SQUARE TUBE SUPPORTS.
2. USE GALVANIZED STEEL FOR BACKING PLATES AND MOUNTING BOLTS IN ACCORDANCE WITH ASTM A123.
3. SEE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES FOR TYPE OF MATERIAL TO BE USED FOR SIGN HANGER ASSEMBLIES AND SUPPORTS.
4. USE GALVANIZED STEEL FOR MOUNTING BOLTS AND THREADED RODS IN COMPLIANCE WITH ASTM A307 AND ASTM A153.



HINGE CONNECTION

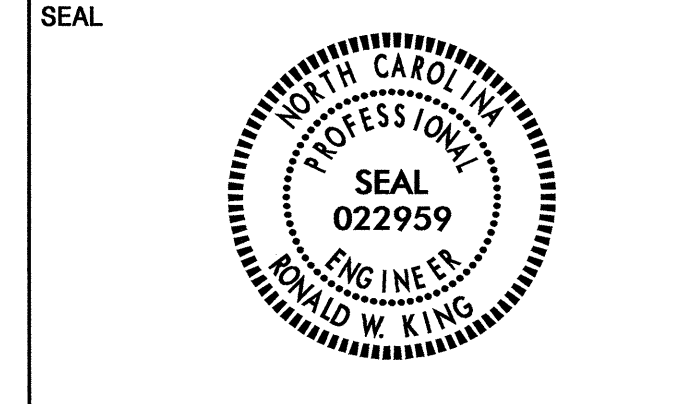
KEEPER PLATE



SEE SHEET SIGN-4A FOR DIMENSIONS.
SEE SHEET SIGN-4D FOR NOTES.

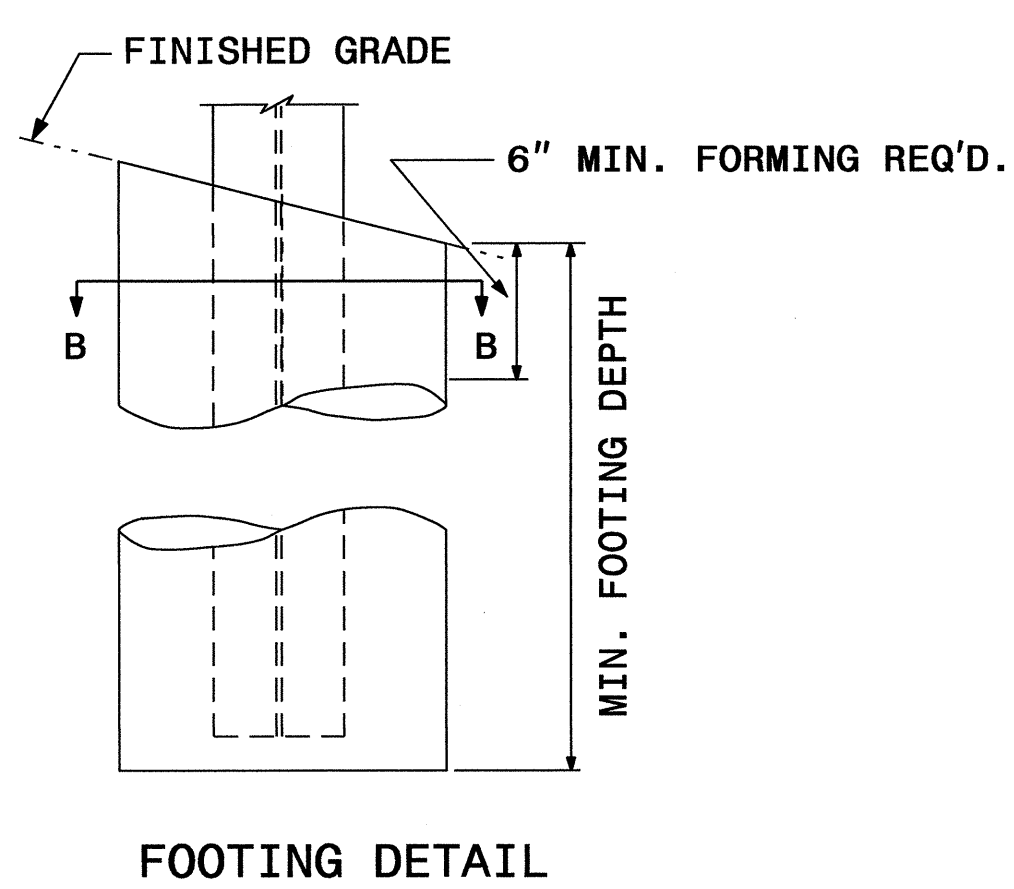
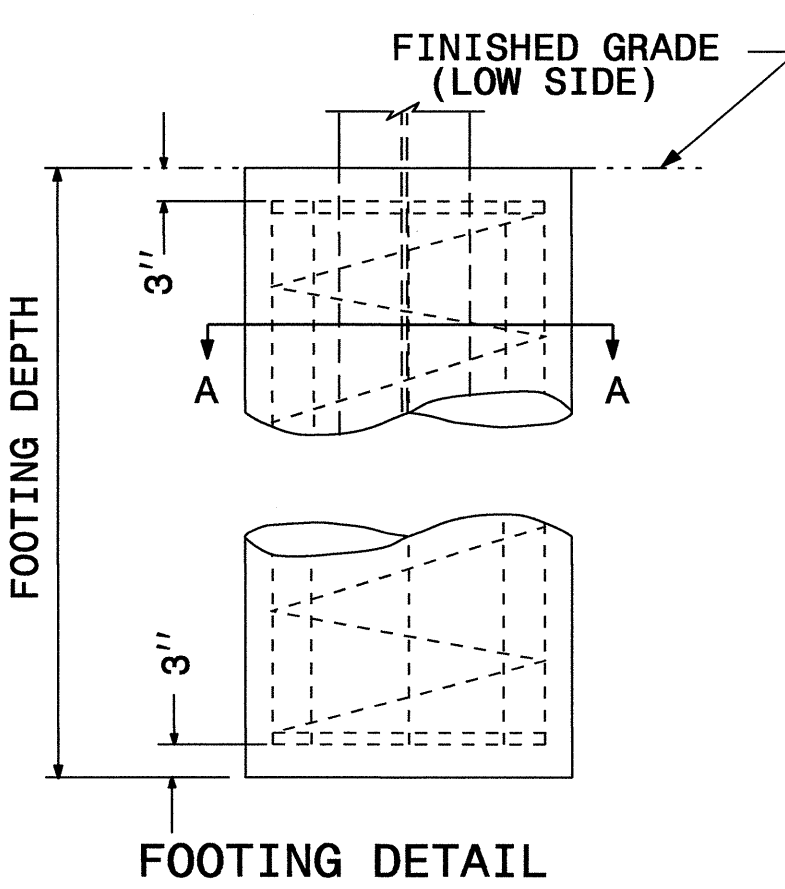
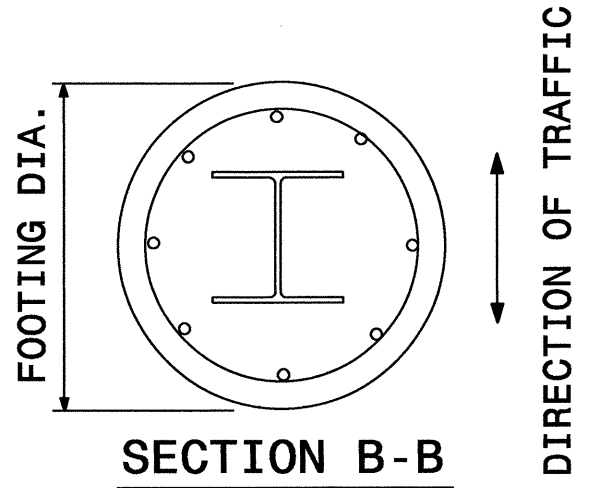
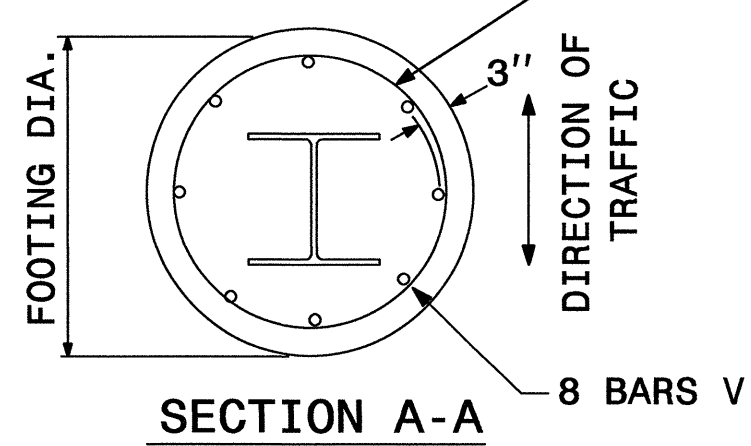
GROUND MOUNTED SIGN SUPPORT

APPROVED: *[Signature]*
 DATE: 9/6/11



BEAM SHAPE	SLIP BASE PLATE DATA								KEEPER PLATE DATA							HINGE CONNECTION DATA							BREAK AWAY SUPPORT WEIGHT CONSTANT LBS.			
	BOLT SIZE	A ₁	B ₁	C ₁	D ₁	E ₁	T ₁	R ₁	A ₂	B ₂	C ₂	D ₂	E ₂	R ₂	T ₂	BOLT SIZE	F	G	H	I	J	K		L	R ₃	T ₃
S3X5.7	1/2" DIA. X 3"	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 1/2"	1"	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 1/2"	1"	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 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"	11/32"	11"	5"	1 1/4"	7/8"	3 1/4"	11/32"	28 GAUGE	5/8" DIA. X 2 1/4"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	11/32"	3/8"	39
W6X16	5/8" DIA. X 3 3/4"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/2"	11/32"	12"	6"	1 1/4"	7/8"	4 1/4"	11/32"	28 GAUGE	5/8" DIA. X 2 1/2"	4"	4"	4 1/2"	3/4"	1 1/8"	5/8"	2 1/4"	11/32"	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"	11/32"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	11/32"	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"	11/32"	1/2"	70
W8X21	3/4" DIA. X 4 1/4"	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. X 2 3/4"	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 1/4"	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. X 2 3/4"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	13/32"	1/2"	119
W10X26	3/4" DIA. X 4 3/4"	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. X 2 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 4 3/4"	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. X 2 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 5"	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 5"	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 1/4"	5 1/2"	7"	8"	1 1/4"	2"	1"	4"	17/32"	3/4"	223
W18X35	1" DIA. X 5"	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 1/4"	6"	7"	8"	1 1/4"	2"	1"	4"	17/32"	3/4"	243
W18X40	1" DIA. X 5 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. X 3 3/4"	6"	7"	8"	1 1/4"	2"	1"	4"	17/32"	7/8"	278
W21X44	1" DIA. X 5 1/2"	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. X 3 3/4"	6 1/2"	7"	8"	1 1/4"	2"	1"	4"	17/32"	7/8"	310

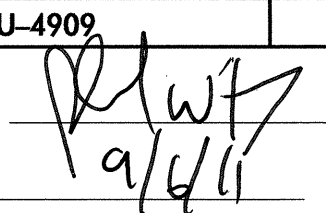

2" FLAT TURNS TOP AND BOTTOM (SEE NOTE 10)



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

* FOUNDATION DIMENSIONS ARE SHOWN IN PLANS SEE SHEET SIGN-4D FOR NOTES.

GROUND MOUNTED SIGN SUPPORT

TIP NO. U-4909	SHEET NO. SIGN-4C
APPROVED: 	
DATE: 9/4/11	
SEAL	
	

NOTES:


1. DESIGN CONFORMS WITH THE SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS - A.A.S.H.T.O.
2. USE MATERIALS, FABRICATE AND ERECT SIGNS AND SUPPORTS THAT CONFORM TO THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
3. USE HIGH STRENGTH BOLTS, NUTS AND WASHERS THAT CONFORM TO A.S.T.M. A-325 AND THAT ARE GALVANIZED IN ACCORDANCE WITH A.S.T.M. A-153.
4. USE BACKING PLATES, SLIP BASE PLATES, FRICTION PLATES, AND HINGE PLATES THAT CONFORM TO A.S.T.M. A-36 AND THAT ARE GALVANIZED IN ACCORDANCE WITH A.S.T.M. A-123 PRIOR TO GALVANIZING, GRIND SMOOTH ANY METAL PROJECTION BEYOND THE PLATE FACE. KEEPER PLATES SHALL BE MANUFACTURED FROM 28 GAUGE SHEET STEEL THAT CONFORMS TO A.S.T.M. A-36 AND IS GALVANIZED IN ACCORDANCE WITH A.S.T.M. A-123
5. ASSEMBLE HINGE CONNECTIONS IN THE SHOP. SHOP TIGHTEN BOLTS BY USE OF EITHER A CALIBRATED POWER WRENCH OR A MANUAL TORQUE WRENCH. TIGHTEN EACH HINGE CONNECTION BOLT TO 1/3 PAST SNUG.
6. BASE PLATES DETAILS ARE FOR INSTALLATIONS ON THE RIGHT SHOULDER AND IN GORE AREAS.
7. ASSEMBLE UPPER SUPPORT TO STUB AS SHOWN IN DETAIL. SLIP BASE PLATES SHALL BE FILLET WELDED ONTO POSTS ALL AROUND THE STRUCTURAL SHAPE SO AS TO INSURE NO LOSS OF STRENGTH. ASSEMBLE IN EITHER SHOP OR FIELD. 28 GAUGE KEEPER PLATE IS PLACED BETWEEN SLIP BASE PLATES TO PREVENT BOLT SLIPPING. TIGHTEN BOLTS TO THE FOLLOWING PRESCRIBED TORQUE:

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

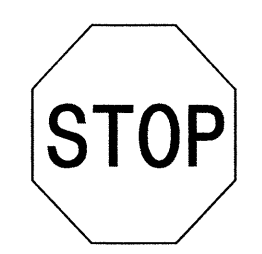
COMPLETELY ASSEMBLE B/A POSTS PRIOR TO ERECTION. B/A POST TO BE SET IN ONE PIECE. AFTER SUPPORT HAS BEEN ERECTED AND THE CONCRETE FOOTINGS HAS CURED AT LEAST 48 HRS., CLEAN CONCRETE FROM BASE CONNECTION BOLTS THEN LOOSEN AND RETIGHTEN EACH BOLT IN A SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE. DO NOT OVERTIGHTEN. BURR ALL BOLT THREADS OF BASE CONNECTIONS TO PREVENT LOOSENING.

8. USE REINFORCED FOOTINGS WITH DIMENSIONS AS SHOWN IN PLANS. WHERE SOLID ROCK IS ENCOUNTERED, THE ENGINEER DIRECTS WHETHER TO PLACE THE FOOTING AT THE PRESCRIBED DEPTH OR EXTEND IT AT LEAST TWO FEET INTO THE ROCK. CONSTRUCT ALL FOOTINGS OF CLASS A CONCRETE.
9. FORM TOP 6" OF FOOTINGS. ENGINEER APPROVES THE METHOD USED.
10. THE FINAL FLAT TURN OF SPIRAL OR HOOPS NO. 3 OR LARGER PLACED 3" FROM TOP AND BOTTOM OF FOOTING MAY BE WELDED TO VERTICAL REINFORCING BARS. NO OTHER WELDING WILL BE PERMITTED.
11. ELIMINATE HINGE CONNECTION FOR ALL SINGLE SUPPORT SIGNS.
12. DETAIL IS FOR ONE DIRECTION BREAKAWAY. WHEN PLANS REQUIRE A TWO DIRECTION BREAKAWAY, TWO FRICTION PLATES SHALL BE USED IN LIEU OF ONE FRICTION PLATE AND ONE HINGE PLATE.
13. SHAPE THE TOPS OF THE FOOTINGS TO CONFORM WITH FINISHED GROUND ELEVATIONS SUCH THAT WATER WILL NOT COLLECT AGAINST THE SUPPORTS.
14. IF THE GROUNDWATER IS ENCOUNTERED AT AN DEPTH SHALLOWER THAN 7 FEET, THE SIGN FOUNDATION MUST BE REDESIGNED BASED UPON THE ACTUAL FIELD CONDITIONS. THE FOUNDATION DESIGN DOES NOT APPLY TO VERY SOFT OR LOOSE SOIL, MUCK, WEATHERED ROCK, OR HARD ROCK.

GROUND MOUNTED SIGN SUPPORT

TIP NO. U-4909	SHEET NO. SIGN-5
APPROVED: <i>[Signature]</i>	
DATE: <i>9/11</i>	
SEAL	
	

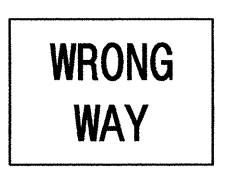
401 QUANTITY REQ'D 25



36" X 36"
R1-1

ONE "U" POST PER SIGN
MOUNT BELOW SIGN 404
IN 12 INSTALLATIONS
MOUNT BACK TO BACK WITH SIGN 407
IN 2 INSTALLATIONS

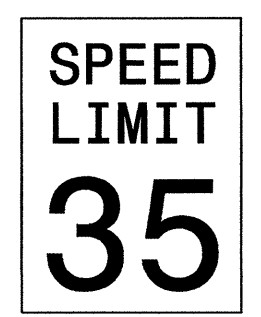
406 QUANTITY REQ'D 8



42" X 30"
R5-1a

ONE "U" POST PER SIGN

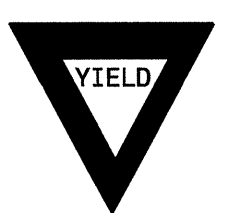
411 QUANTITY REQ'D 3



30" X 36"
R2-1

TWO "U" POSTS PER SIGN
MOUNT ABOVE SIGN 417
IN 2 INSTALLATIONS
MOUNT BELOW SIGN 415
IN 3 INSTALLATIONS

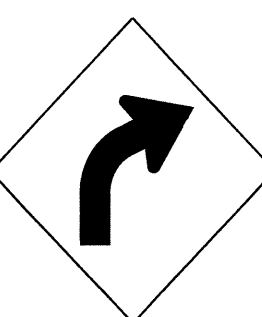
416 QUANTITY REQ'D 6



36" X 36" X 36"
R1-2

ONE "U" POST PER SIGN


421 QUANTITY REQ'D 1



30" X 30"
W1-2R

ONE "U" POST PER SIGN

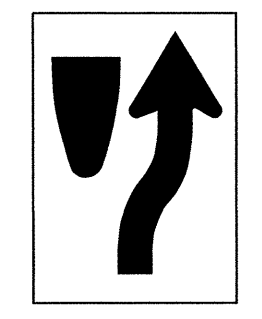
426 QUANTITY REQ'D 8



36" X 36"
W11-2

ONE "U" POST PER SIGN

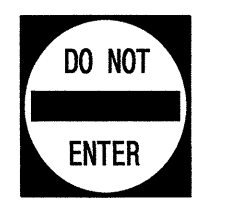
402 QUANTITY REQ'D 33



24" X 30"
R4-7

ONE "U" POST PER SIGN

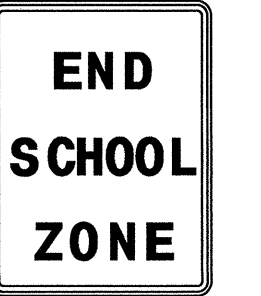
407 QUANTITY REQ'D 16



36" X 36"
R5-1

ONE "U" POST PER SIGN
MOUNT BACK TO BACK WITH SIGN 420
IN 1 INSTALLATION

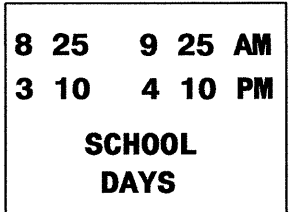
412 QUANTITY REQ'D 3



36" X 48"
S5-2

TWO "U" POSTS PER SIGN
MOUNT ABOVE SIGN 403
IN 1 INSTALLATION
MOUNT ABOVE SIGN 410
IN 1 INSTALLATION
MOUNT ABOVE SIGN 430
IN 1 INSTALLATION

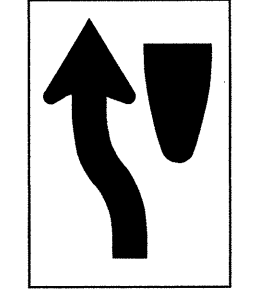
417 QUANTITY REQ'D 2



36" X 18"
S4-1a

MOUNT BELOW SIGN 411
IN 2 INSTALLATIONS


422 QUANTITY REQ'D 2



24" X 30"
R4-8

ONE "U" POST PER SIGN

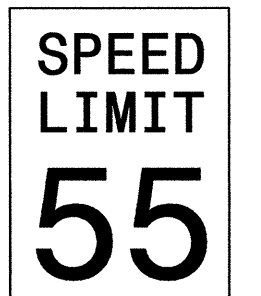
427 QUANTITY REQ'D 2



36" X 36"
W14-2

ONE "U" POST PER SIGN

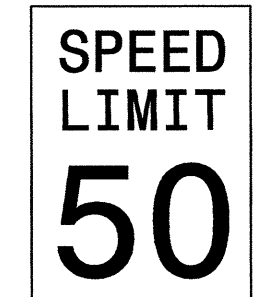
430 QUANTITY REQ'D 1



30" X 36"
R2-1

TWO "U" POSTS PER SIGN
MOUNT BELOW SIGN 412
IN 1 INSTALLATION

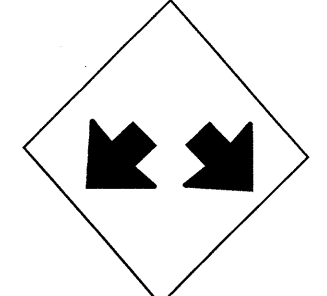
403 QUANTITY REQ'D 9



30" X 36"
R2-1

TWO "U" POSTS PER SIGN
MOUNT BELOW SIGN 412
IN 1 INSTALLATION


408 QUANTITY REQ'D 6



36" X 36"
W12-1

ONE "U" POST PER SIGN

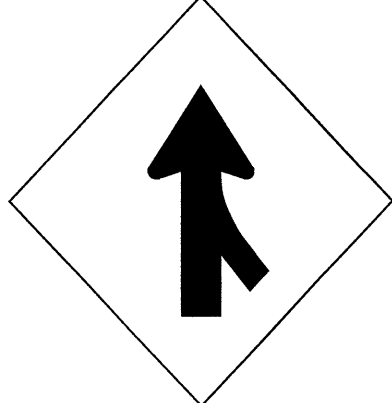
413 QUANTITY REQ'D 3



48" X 48"
S1-1

YELLOW/GREEN REFLECTIVE SHEETING
ONE "U" POSTS PER SIGN
MOUNT ABOVE SIGN 429
IN 2 INSTALLATIONS

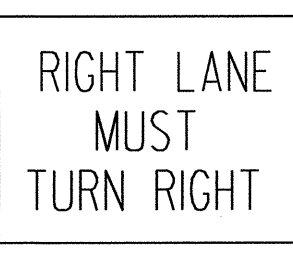
418 QUANTITY REQ'D 3



48" X 48"
W4-1 (R)

TWO "U" POSTS PER SIGN

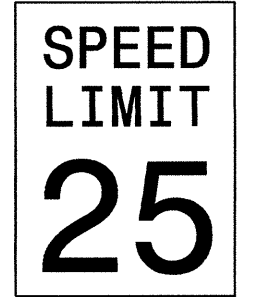
423 QUANTITY REQ'D 3



36" X 36"
R3-7R

ONE "U" POST PER SIGN

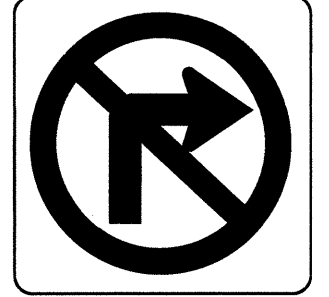
428 QUANTITY REQ'D 6



24" X 30"
R2-1

TWO "U" POSTS PER SIGN


431 QUANTITY REQ'D 2



36" X 36"
R3-1

ONE "U" POST PER SIGN
MOUNT BACK TO BACK WITH SIGN 434
IN 2 INSTALLATIONS

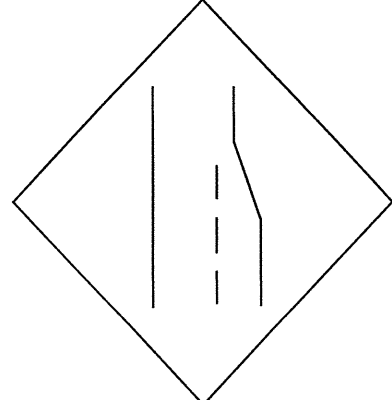
404 QUANTITY REQ'D 33



54" X 18"
R6-1 (R)

TWO "U" POSTS PER SIGN
MOUNT ABOVE SIGN 401
IN 15 INSTALLATIONS


409 QUANTITY REQ'D 4



36" X 36"
W4-2(R)

TWO "U" POSTS PER SIGN

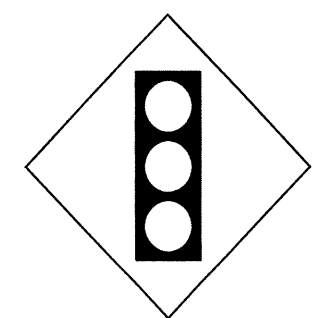
414 QUANTITY REQ'D 2



36" X 36"
S4-5

YELLOW/GREEN REFLECTIVE SHEETING
TWO "U" POSTS PER SIGN

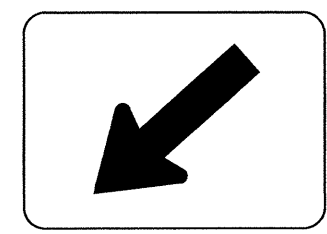
419 QUANTITY REQ'D 1



36" X 36"
W3-3

ONE "U" POST PER SIGN


424 QUANTITY REQ'D 4



30" X 18"
W16-7pL

MOUNT BELOW SIGN 426
IN 4 INSTALLATIONS

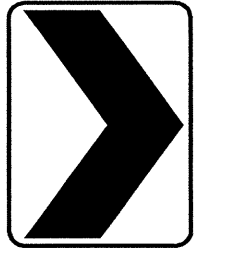
429 QUANTITY REQ'D 2



30" X 18"
W16-9p

MOUNT BELOW SIGN 413
IN 2 INSTALLATIONS


432 QUANTITY REQ'D 16



18" X 24"
W1-8R

ONE "U" POST PER SIGN

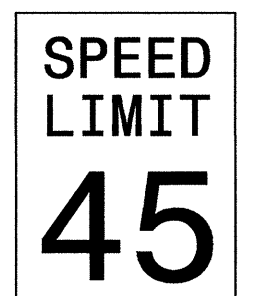
405 QUANTITY REQ'D 30



54" X 18"
R6-1 (L)

MOUNT BACK TO BACK WITH SIGN 404
IN 12 INSTALLATIONS
TWO "U" POSTS PER SIGN


410 QUANTITY REQ'D 12



30" X 36"
R2-1

TWO "U" POSTS PER SIGN
MOUNT BELOW SIGN 412
IN 1 INSTALLATION


415 QUANTITY REQ'D 3



36" X 12"
S4-3

MOUNT ABOVE SIGN 411
IN 3 INSTALLATIONS

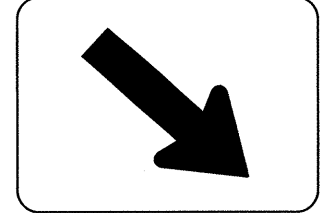
420 QUANTITY REQ'D 1



36" X 36"
R3-4

ONE "U" POST PER SIGN
MOUNT BACK TO BACK WITH SIGN 407
IN 1 INSTALLATION

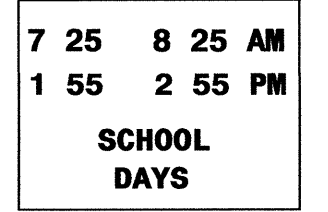
425 QUANTITY REQ'D 4



30" X 18"
W16-7pR

MOUNT BELOW SIGN 426
IN 4 INSTALLATIONS


433 QUANTITY REQ'D 1



36" X 18"
S4-1a

MOUNT BELOW SIGN 411
IN 1 INSTALLATION

434 QUANTITY REQ'D 2

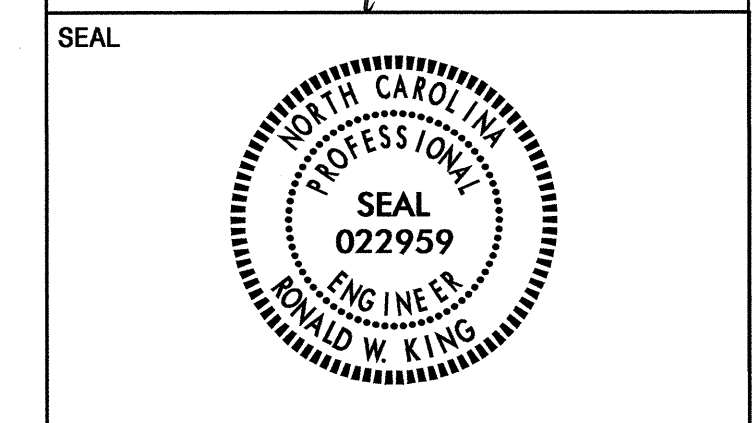


36" X 36"
R3-2

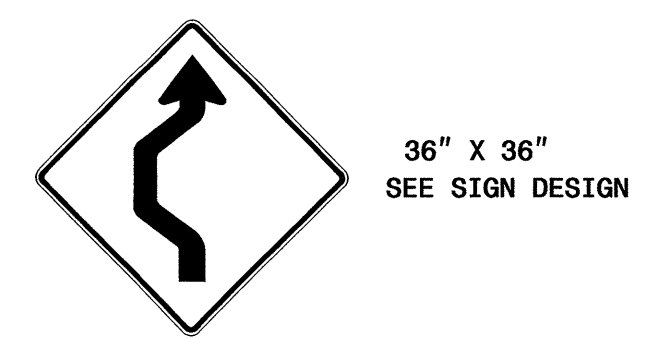
ONE "U" POST PER SIGN
MOUNT BACK TO BACK WITH SIGN 431
IN 2 INSTALLATIONS

TYPE "E" SIGNS

APPROVED: *RWK*
DATE: *9/11/11*

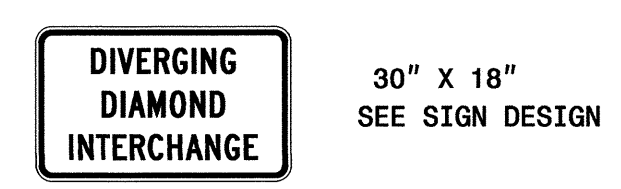


435 QUANTITY REQ'D 4



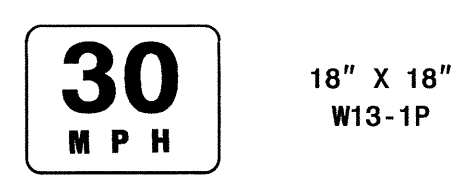
ONE "U" POST PER SIGN

436 QUANTITY REQ'D 4



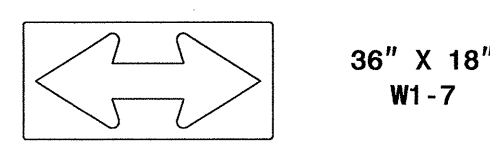
MOUNT BELOW SIGN 435
IN 4 INSTALLATIONS

437 QUANTITY REQ'D 4



MOUNT BELOW SIGN 436
IN 4 INSTALLATIONS

438 QUANTITY REQ'D 1



ONE "U" POST PER SIGN

TYPE "E" SIGNS

APPROVED: *R.W.K.*
DATE: *9/24/11*




501 507

JCT 1 - 21" X 15"
311 1 - 30" X 24"

ONE "U" POST

506

EAST 1 - 24" X 12"
INTERSTATE 40 1 - 24" X 24"
 1 - 21" X 15"

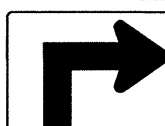
ONE "U" POST

512 514

JCT 1 - 21" X 15"
INTERSTATE 40 1 - 24" X 24"



ONE "U" POST

502

NORTH 1 - 24" X 12"
311 1 - 30" X 24"
 1 - 21" X 15"



ONE "U" POST

508

WEST EAST 2 - 24" X 12"
INTERSTATE 40 40 2 - 24" X 24"
  2 - 21" X 15"


TWO "U" POSTS

513

EAST WEST 2 - 24" X 12"
INTERSTATE 40 40 2 - 24" X 24"
  2 - 21" X 15"


TWO "U" POSTS

503

SOUTH 1 - 24" X 12"
311 1 - 30" X 24"
 1 - 21" X 15"

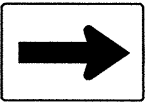
ONE "U" POST

509

WEST 1 - 24" X 12"
INTERSTATE 40 1 - 24" X 24"
 1 - 21" X 15"


ONE "U" POST

515

TO 1 - 36" X 18"
INTERSTATE 40 1 - 36" X 36"
 1 - 30" X 21"


ONE "U" POST

504

TO 1 - 24" X 12"
INTERSTATE 40 1 - 24" X 24"
 1 - 21" X 15"


ONE "U" POST

510

WEST 1 - 24" X 12"
INTERSTATE 40 1 - 24" X 24"
 1 - 21" X 15"

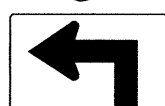
ONE "U" POST

505

TO 1 - 36" X 18"
INTERSTATE 40 1 - 36" X 36"
 1 - 30" X 21"

ONE "U" POST

511

EAST 1 - 24" X 12"
INTERSTATE 40 1 - 24" X 24"
 1 - 21" X 15"

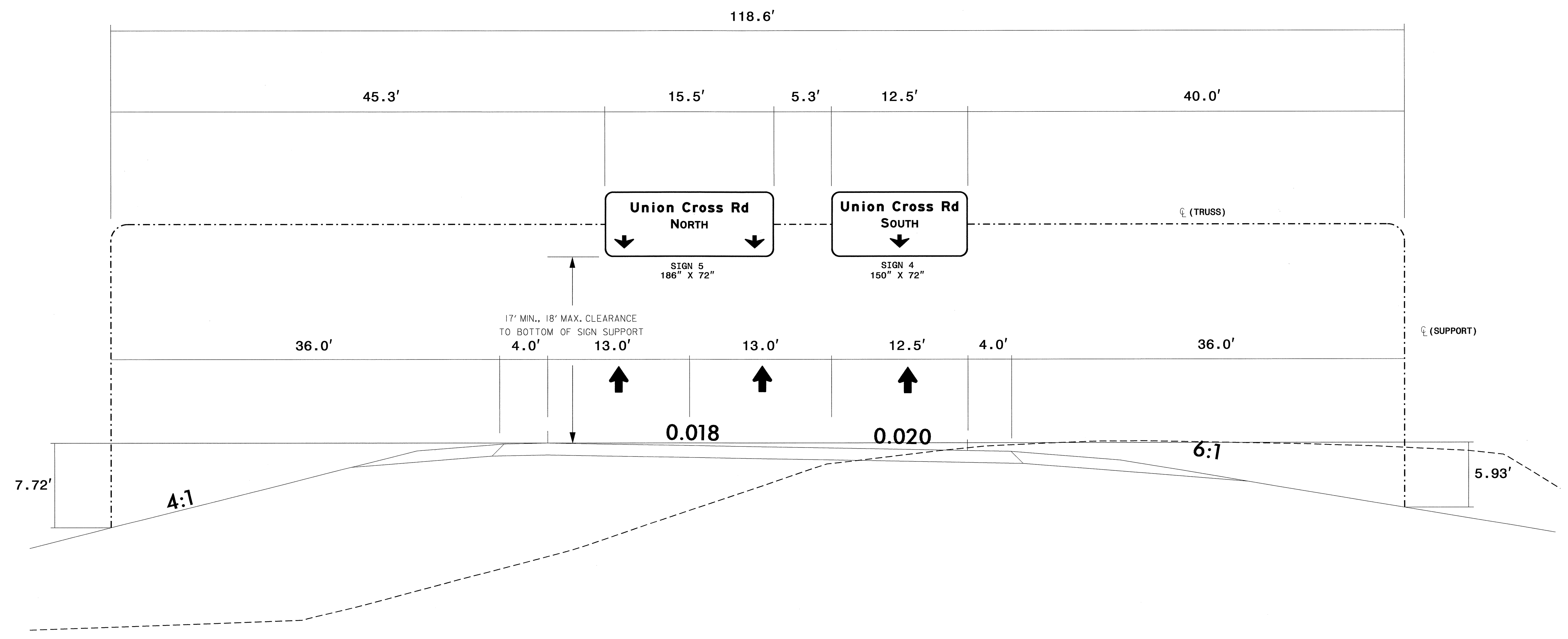
ONE "U" POST

TYPE "F" SIGNS

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.

**** THESE DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTINGS DESIGN AND CONSTRUCT REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.**



**OVERHEAD SIGN ASSEMBLY "A"
-Y15RPC- STA. 18+00**

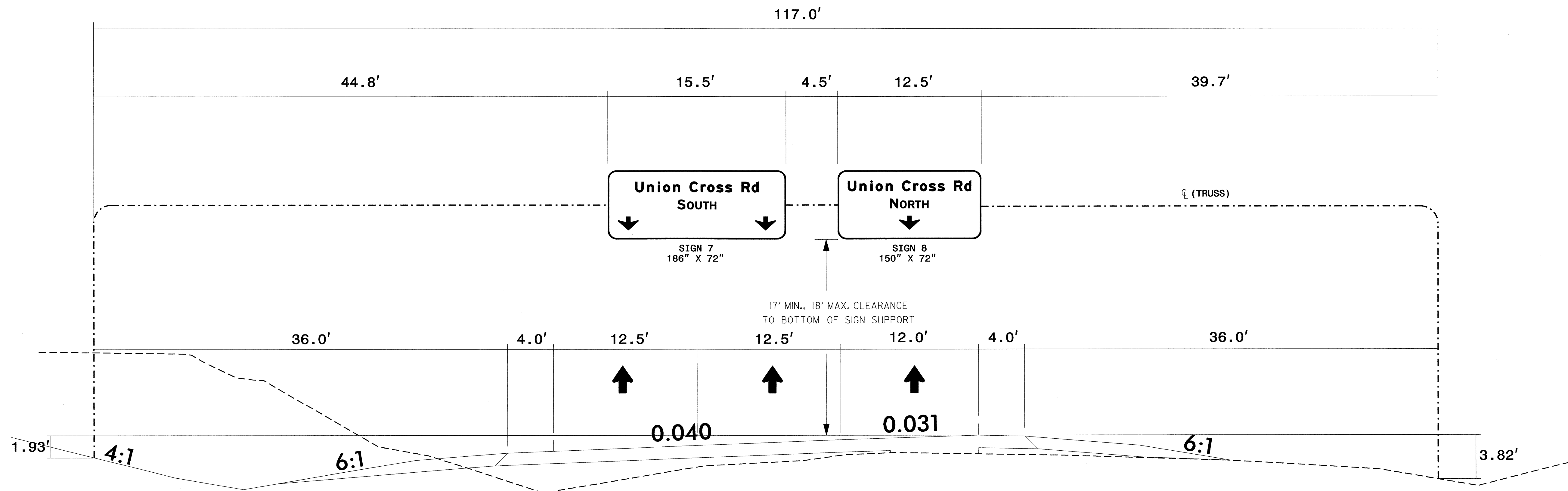
**OVERHEAD SIGN ASSEMBLY 'A'
-Y15RPC- STA. 18+00
UNION CROSS RD**

TIP NO. U-4909	SHEET NO. SIGN-6A
APPROVED: <i>[Signature]</i>	
DATE: 9/4/11	
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 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.

**THESE DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTINGS DESIGN AND CONSTRUCT REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.



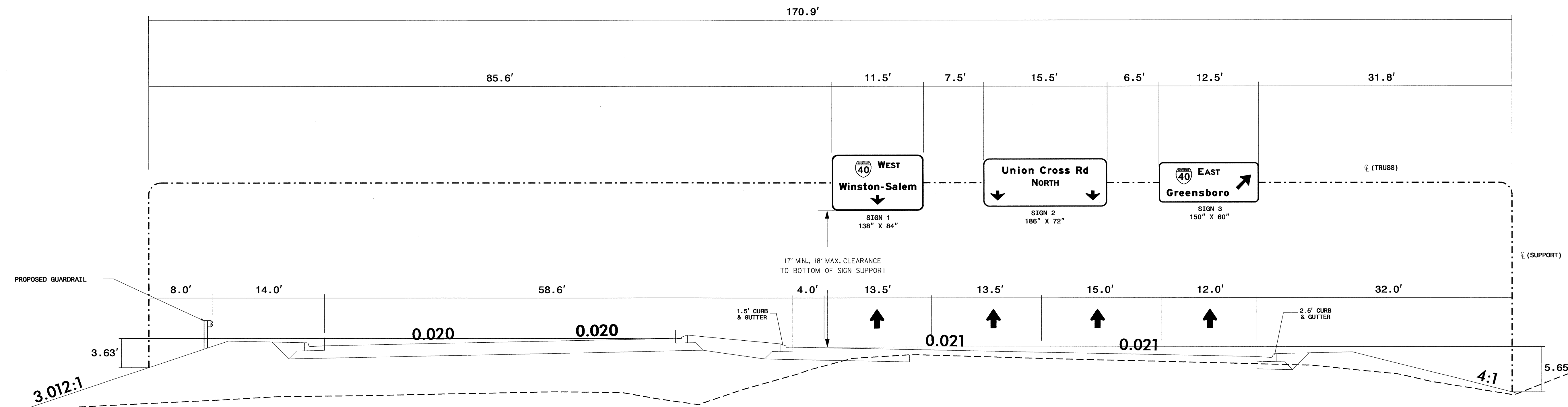
OVERHEAD SIGN ASSEMBLY "B"
-Y15RPA- STA. 18+00

OVERHEAD SIGN ASSEMBLY 'B'
-Y15RPA- STA. 18+00
UNION CROSS RD

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.

**** THESE DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTINGS DESIGN AND CONSTRUCT REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H. ****



**OVERHEAD SIGN ASSEMBLY "C"
-L- STA. 152+75**

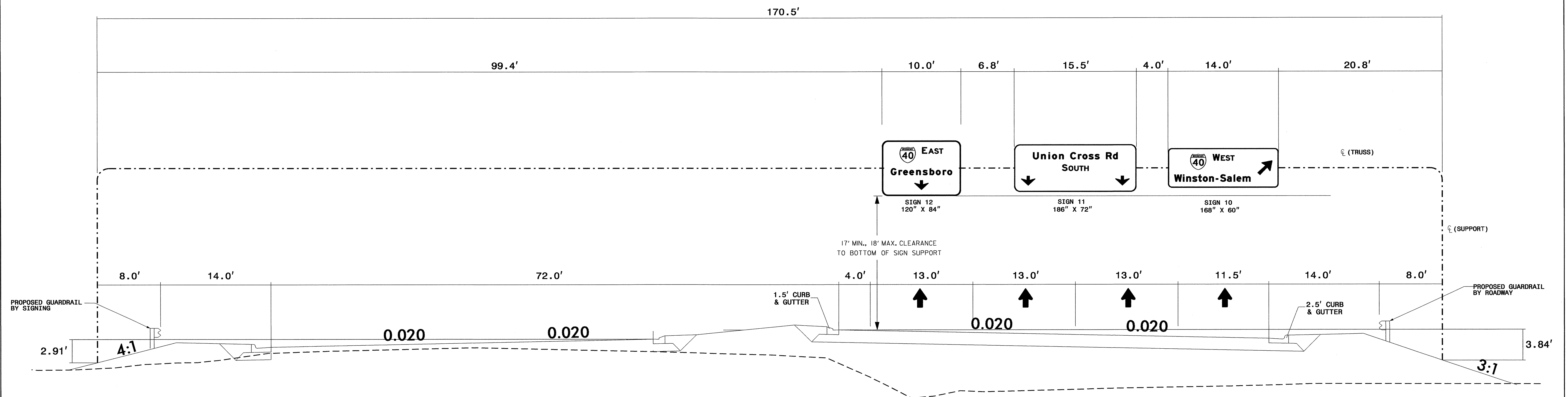
**OVERHEAD SIGN ASSEMBLY 'C'
-L- STA. 152+75
UNION CROSS RD**

TIP NO. U-4909	SHEET NO. SIGN-6C
APPROVED: <i>[Signature]</i>	
DATE: 9/4/11	

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.

**** THESE DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTINGS DESIGN AND CONSTRUCT REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.**



OVERHEAD SIGN ASSEMBLY "D"
-L- STA. 164+25

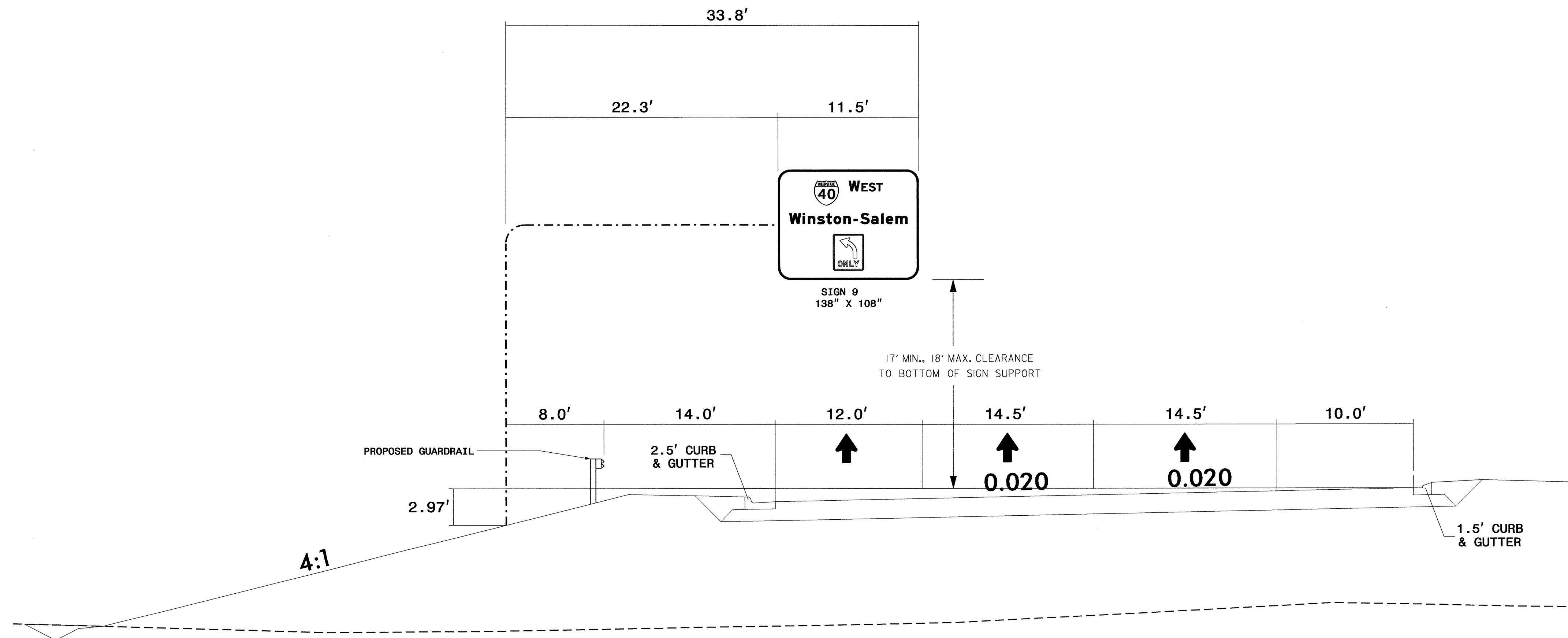
OVERHEAD SIGN ASSEMBLY 'D'
-L- STA. 164+25
UNION CROSS RD

TIP NO. U-4909	SHEET NO. SIGN-6D
APPROVED: <i>R.W.K.</i>	
DATE: 9/4/11	
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.
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.

** THESE DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTINGS DESIGN AND CONSTRUCT REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.



OVERHEAD SIGN ASSEMBLY "E"
-L- STA. 160+50

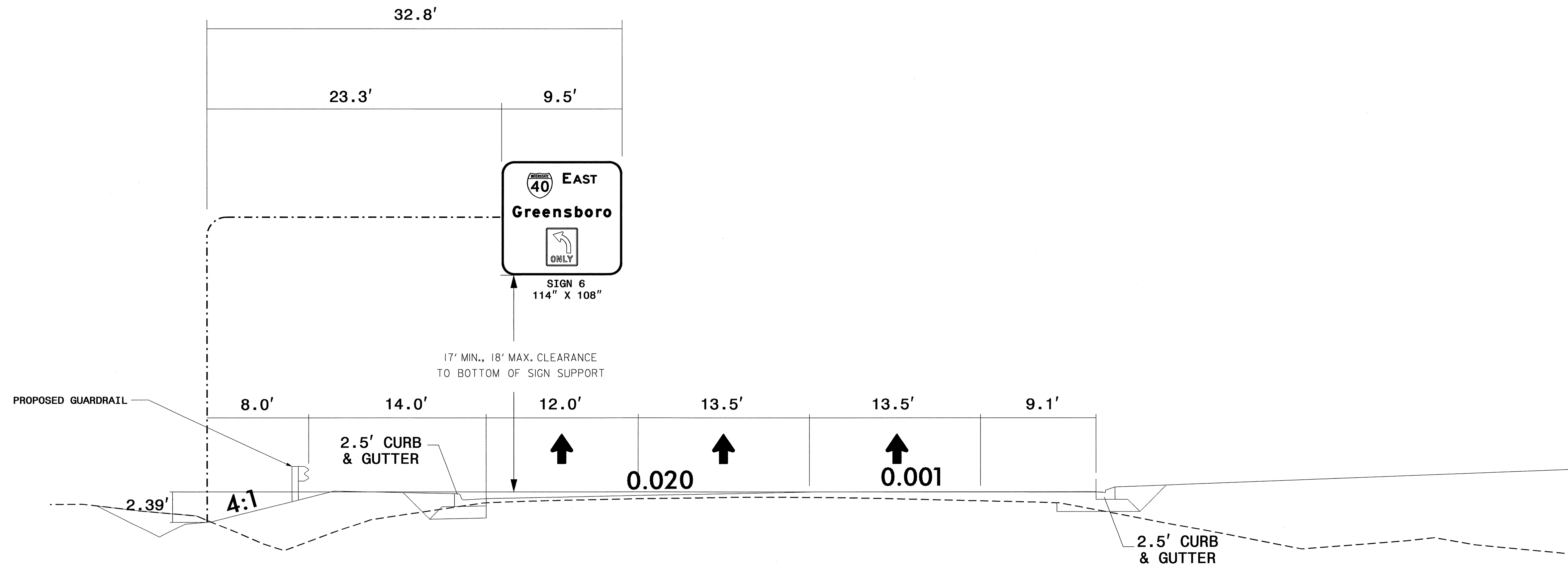
OVERHEAD SIGN ASSEMBLY 'E'
-L- STA. 160+50
UNION CROSS RD

TIP NO. U-4909	SHEET NO. SIGN-6E
APPROVED: <i>[Signature]</i>	
DATE: 9/4/11	
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.
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.

** THESE DIMENSIONS SHALL BE USED FOR WIND LOAD AND DEAD LOAD COMPUTATIONS IN DESIGN OF STRUCTURE AND FOOTINGS DESIGN AND CONSTRUCT REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.



OVERHEAD SIGN ASSEMBLY "F"
-L- STA. 156+75

OVERHEAD SIGN ASSEMBLY 'F'
-L- STA. 156+75
UNION CROSS RD

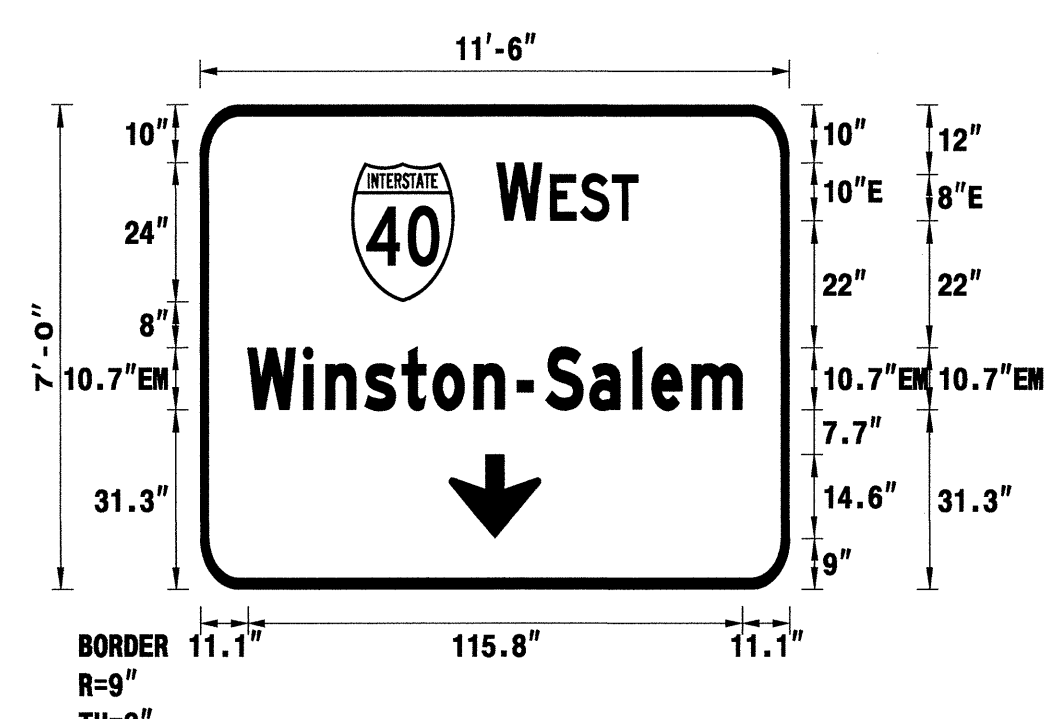
TIP NO. U-4909	SHEET NO. SIGN-7
APPROVED: <i>[Signature]</i>	
DATE: <i>9/11</i>	
SEAL	
	

SIGN NUMBER: 1
TYPE: A
QUANTITY: 1
SIGN WIDTH: 11'-6"
HEIGHT: 7'-0"
TOTAL AREA: 80.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 9"
NO. Z BARS: 2
LENGTH: 130.0

SYMBOL	X	Y	WID	HT
M1_1	35.5	50	24	24
ARDOWN	58.3	9	21.3	14.6

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: M. TRACEY
PROJECT ID: U-4909
CHECKED BY:
DIV: 9
DATE: Aug 29, 2011



Spacing Factor is 0.7 for "Winston-Salem" text only

USE NOTES: 1,2,3

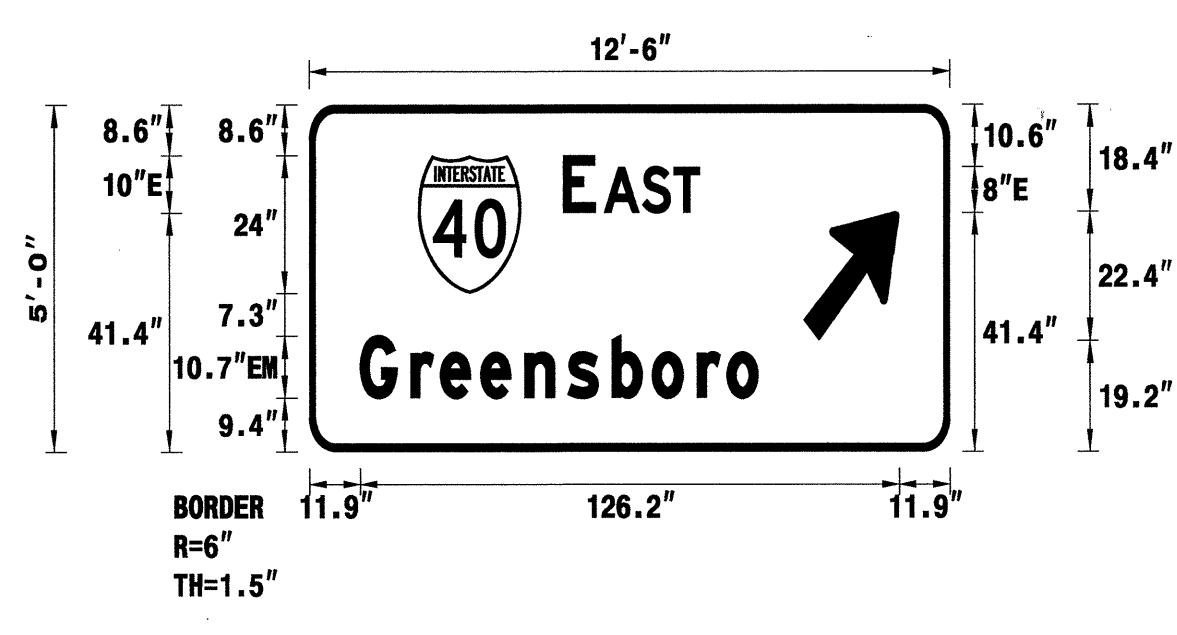
- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

SIGN NUMBER: 3
TYPE: A
QUANTITY: 1
SIGN WIDTH: 12'-6"
HEIGHT: 5'-0"
TOTAL AREA: 62.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.5"
RADIUS: 6"
NO. Z BARS: 2
LENGTH: 142.0

SYMBOL	X	Y	WID	HT
M1_1	25.5	27.4	24	24
ARMED	115.7	19.2	18.3	28.7

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: M. TRACEY
PROJECT ID: U-4909
CHECKED BY:
DIV: 9
DATE: Aug 30, 2011



Spacing Factor is 1 unless specified otherwise

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 locations are panel edge to lower left corner

Series/Size	Text Length
E 2000	33.1
EM 2000	115.8

FILENAME: U-4909_Signs NORTH CAROLINA D.O.T. SIGN DETAIL

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Series/Size	Text Length
E 2000	31.9
EM 2000	93.1

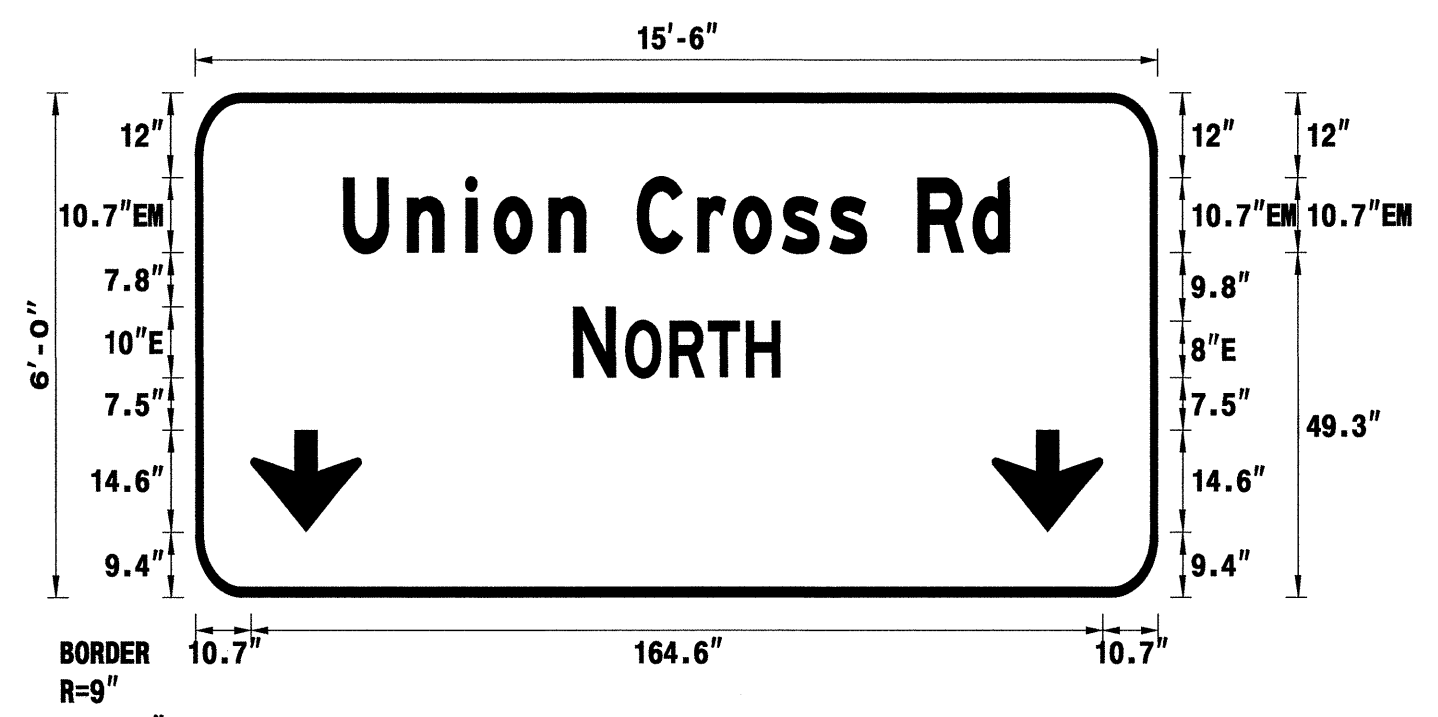
FILENAME: U-4909_Signs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 2,5
TYPE: A
QUANTITY: 2
SIGN WIDTH: 15'-6"
HEIGHT: 6'-0"
TOTAL AREA: 93.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.5"
RADIUS: 9"
NO. Z BARS: 2
LENGTH: 178.0

SYMBOL	X	Y	WID	HT
ARDOWN	10.7	9.4	21.3	14.6
ARDOWN	154	9.4	21.3	14.6

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: M. TRACEY
PROJECT ID: U-4909
CHECKED BY:
DIV: 9
DATE: Jun 23, 2011



Spacing Factor is 1 unless specified otherwise

USE NOTES: 1,2,3

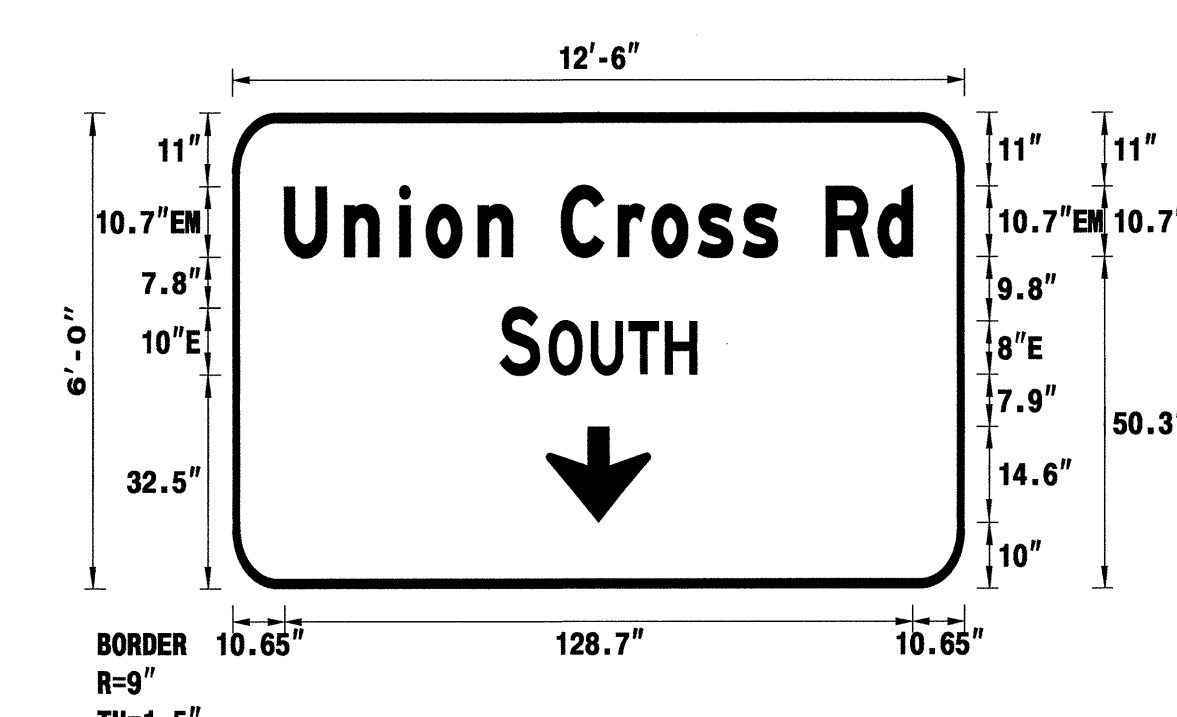
- Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
- Background shall be Grade C reflective sheeting.
- Shields; A, B, and C type arrows shall be on 0.032" (0.8mm) aluminum and demountable.

SIGN NUMBER: 4
TYPE: A
QUANTITY: 1
SIGN WIDTH: 12'-6"
HEIGHT: 6'-0"
TOTAL AREA: 75.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.5"
RADIUS: 9"
NO. Z BARS: 2
LENGTH: 142.0

SYMBOL	X	Y	WID	HT
ARDOWN	64.3	10	21.3	14.6

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: M. TRACEY
PROJECT ID: U-4909
CHECKED BY:
DIV: 9
DATE: Jun 23, 2011



Spacing Factor is 1 unless specified otherwise

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 locations are panel edge to lower left corner

Series/Size	Text Length
EM 2000	128.7
E 2000	39.9

FILENAME: U-4909_Signs NORTH CAROLINA D.O.T. SIGN DETAIL


LETTER POSITIONS

Letter locations are panel edge to lower left corner

Series/Size	Text Length
EM 2000	128.7
E 2000	40.3

FILENAME: U-4909_Signs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN DESIGNS

APPROVED: *[Signature]*
 DATE: 11/17/11
 SEAL


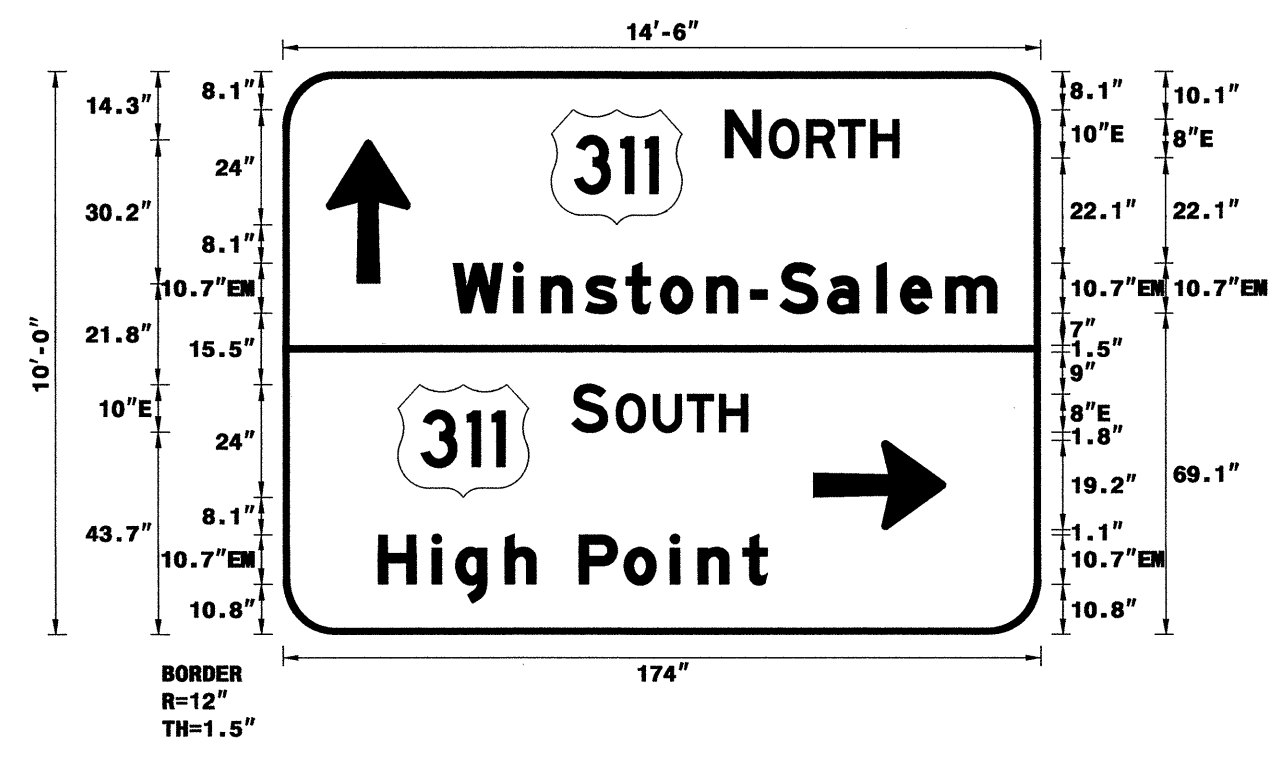
SIGN NUMBER: 103
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 14'-6"
 HEIGHT: 10'-0"
 TOTAL AREA: 145.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 166.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_4	61.6	87.9	30	24
ARMED	10	75.4	19.2	30.2
M1_4	26.4	29.6	30	24
ARMED	121.9	22.7	19.2	30.2

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: M. TRACEY
 PROJECT ID: U-4909
 CHECKED BY:
 DIV: 9
 DATE: Aug 23, 2011



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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Series/Size	Text Length
E 2000	39.9
EM 2000	124.9
E 2000	40.3
EM 2000	89.3

FILENAME: U-4909_Signs NORTH CAROLINA D.O.T. SIGN DETAIL

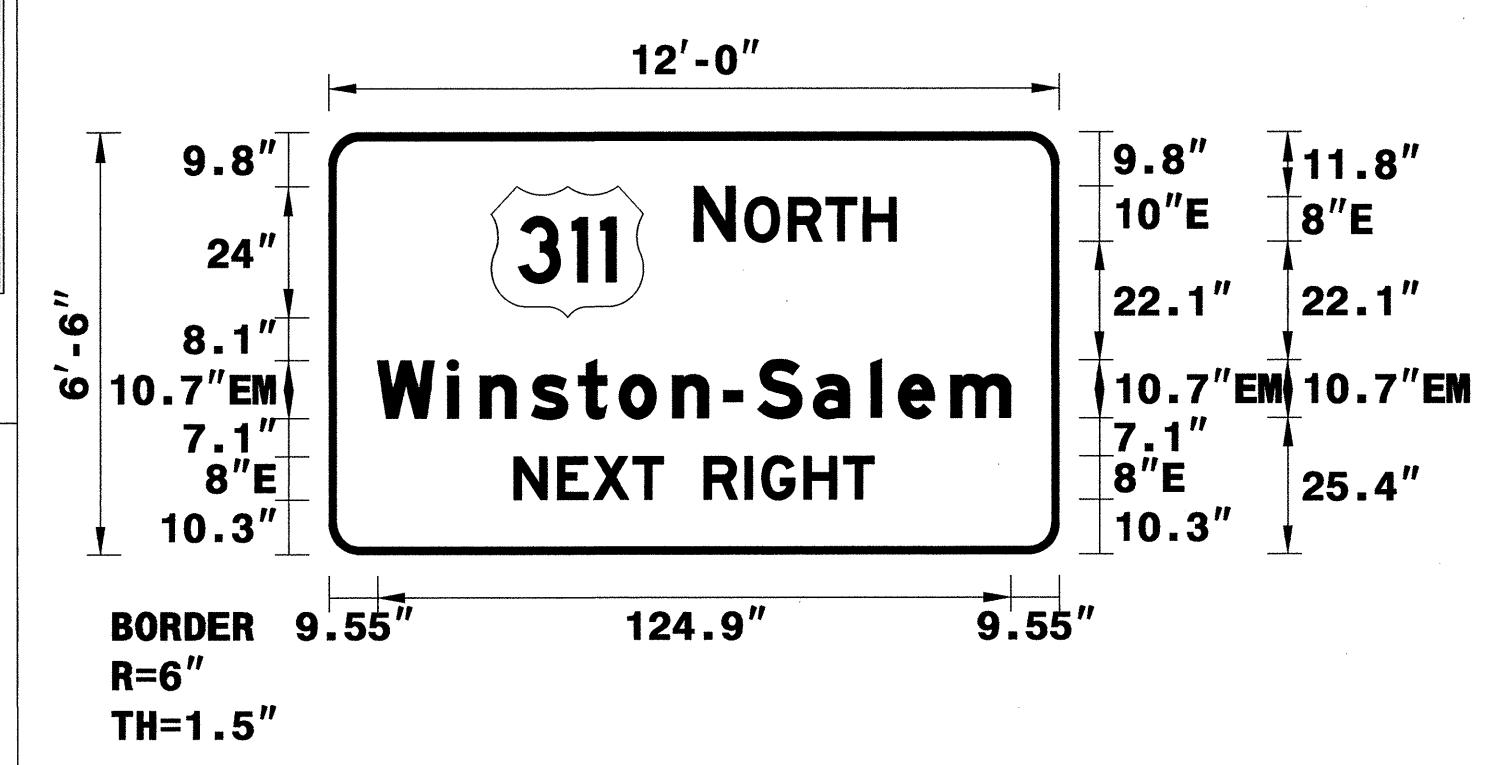
SIGN NUMBER: 105
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 12'-0"
 HEIGHT: 6'-6"
 TOTAL AREA: 78.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 6"
 NO. Z BARS: 2
 LENGTH: 136.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_4	32.1	44.2	30	24

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: M. TRACEY
 PROJECT ID: U-4909
 CHECKED BY:
 DIV: 9
 DATE: Nov 16, 2011



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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Series/Size	Text Length
E 2000	39.9
EM 2000	124.9
E 2000	40.3
EM 2000	71

FILENAME: U-4909_Signs NORTH CAROLINA D.O.T. SIGN DETAIL

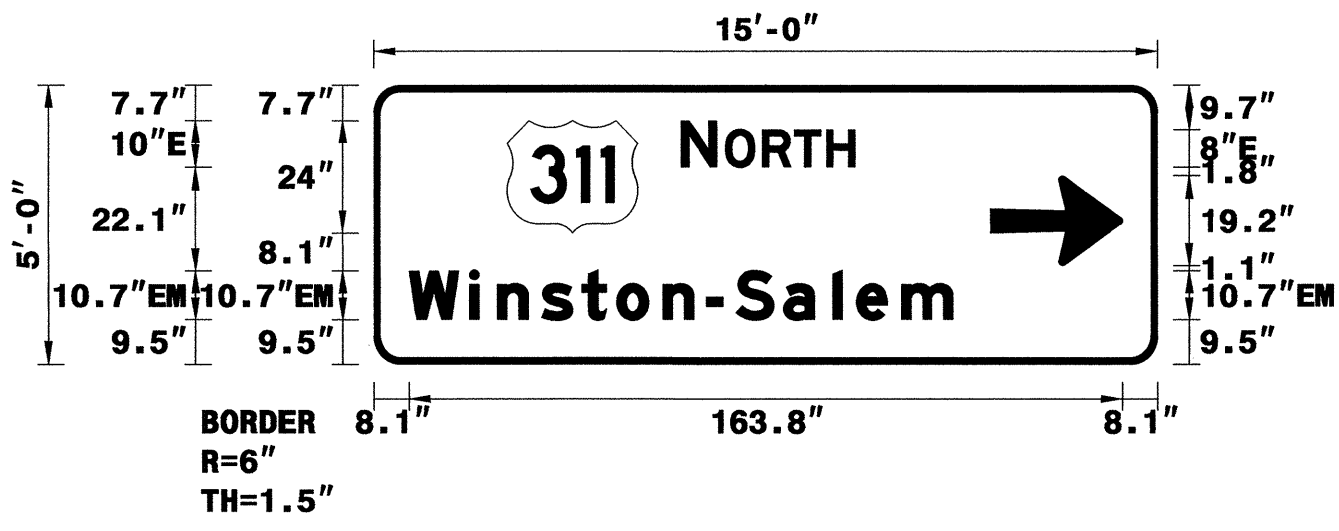
SIGN NUMBER: 104
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 15'-0"
 HEIGHT: 5'-0"
 TOTAL AREA: 75.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 6"
 NO. Z BARS: 2
 LENGTH: 172.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_4	30.6	28.3	30	24
ARMED	141.7	21.3	19.2	30.2

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: M. TRACEY
 PROJECT ID: U-4909
 CHECKED BY:
 DIV: 9
 DATE: Aug 23, 2011



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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Series/Size	Text Length
E 2000	39.9
EM 2000	124.9

FILENAME: U-4909_Signs NORTH CAROLINA D.O.T. SIGN DETAIL

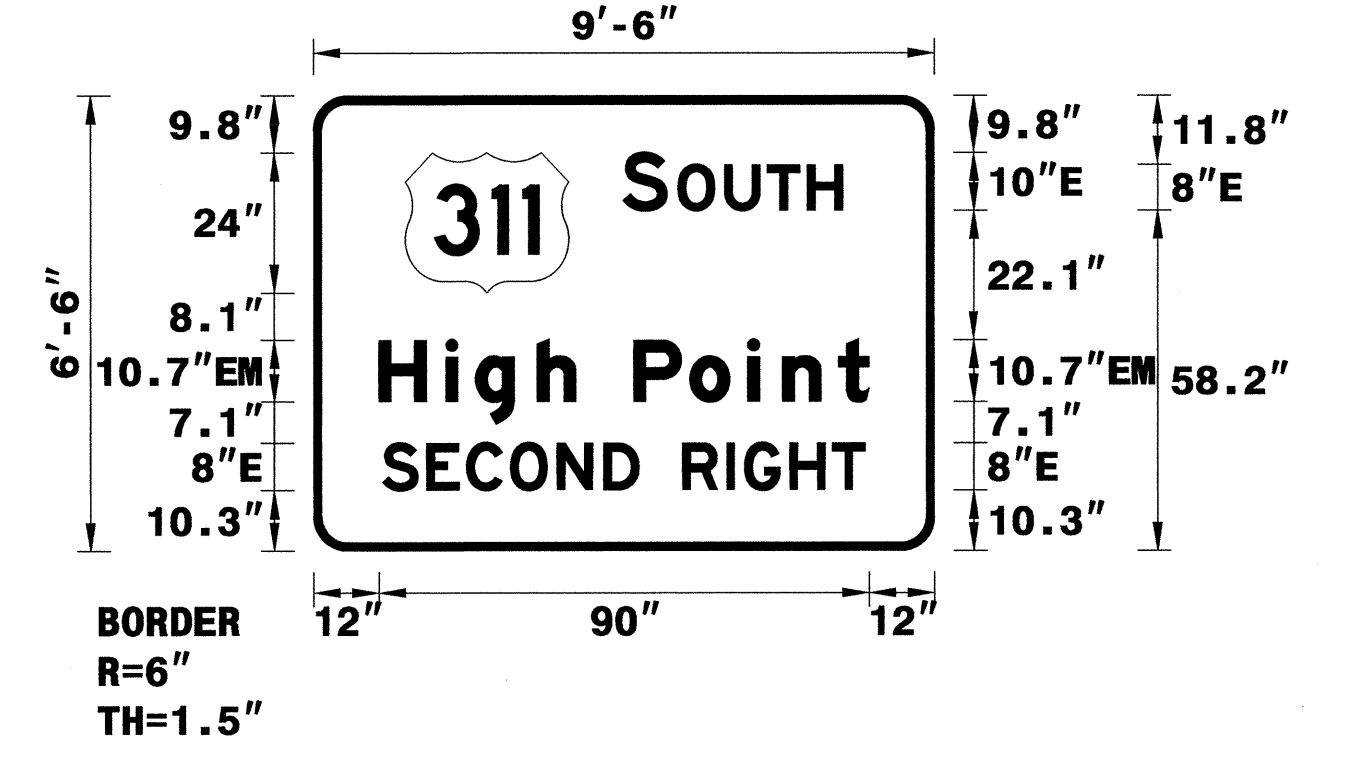
SIGN NUMBER: 106
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 9'-6"
 HEIGHT: 6'-6"
 TOTAL AREA: 61.8 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 6"
 NO. Z BARS: 2
 LENGTH: 106.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_4	16.8	44.2	30	24

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: M. TRACEY
 PROJECT ID: U-4909
 CHECKED BY:
 DIV: 9
 DATE: Aug 23, 2011



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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Series/Size	Text Length
E 2000	40.3
EM 2000	90
E 2000	88.6

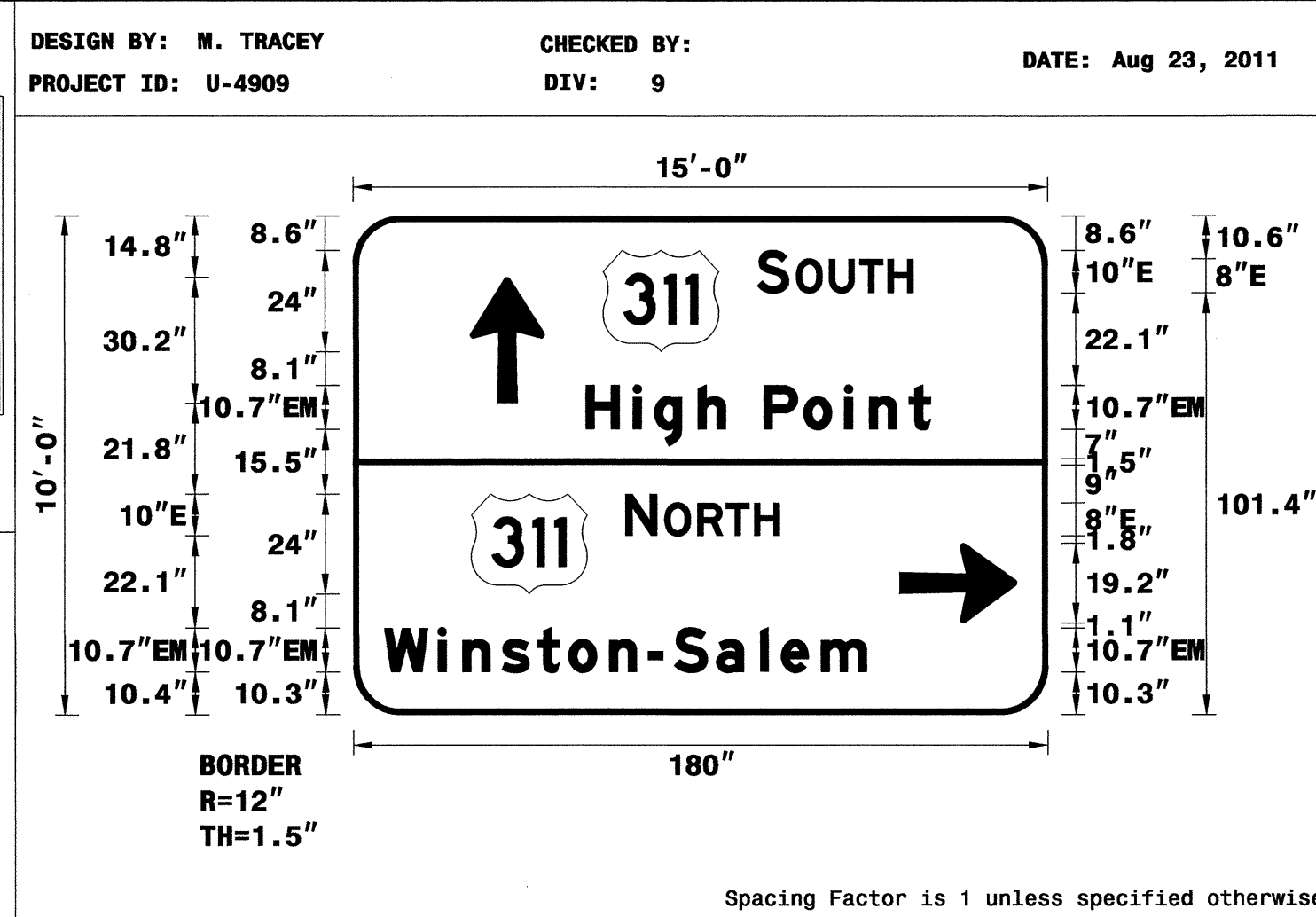
FILENAME: U-4909_Signs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 107
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 15'-0"
 HEIGHT: 10'-0"
 TOTAL AREA: 150.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 172.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_4	64.8	87.4	30	24
ARMED	30.4	74.9	19.2	30.2
M1_4	30.6	29.2	30	24
ARMED	141.7	22.2	19.2	30.2

MAT'L: 0.125" (3.2 mm) ALUMINUM



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 locations are panel edge to lower left corner

Series/Size	Text	Length
E 2000	S O U T H	40.3
EM 2000	H I G H P O I N T	89.3
E 2000	N O R T H	39.9
EM 2000	W I N S T O N - S A L E M	124.9

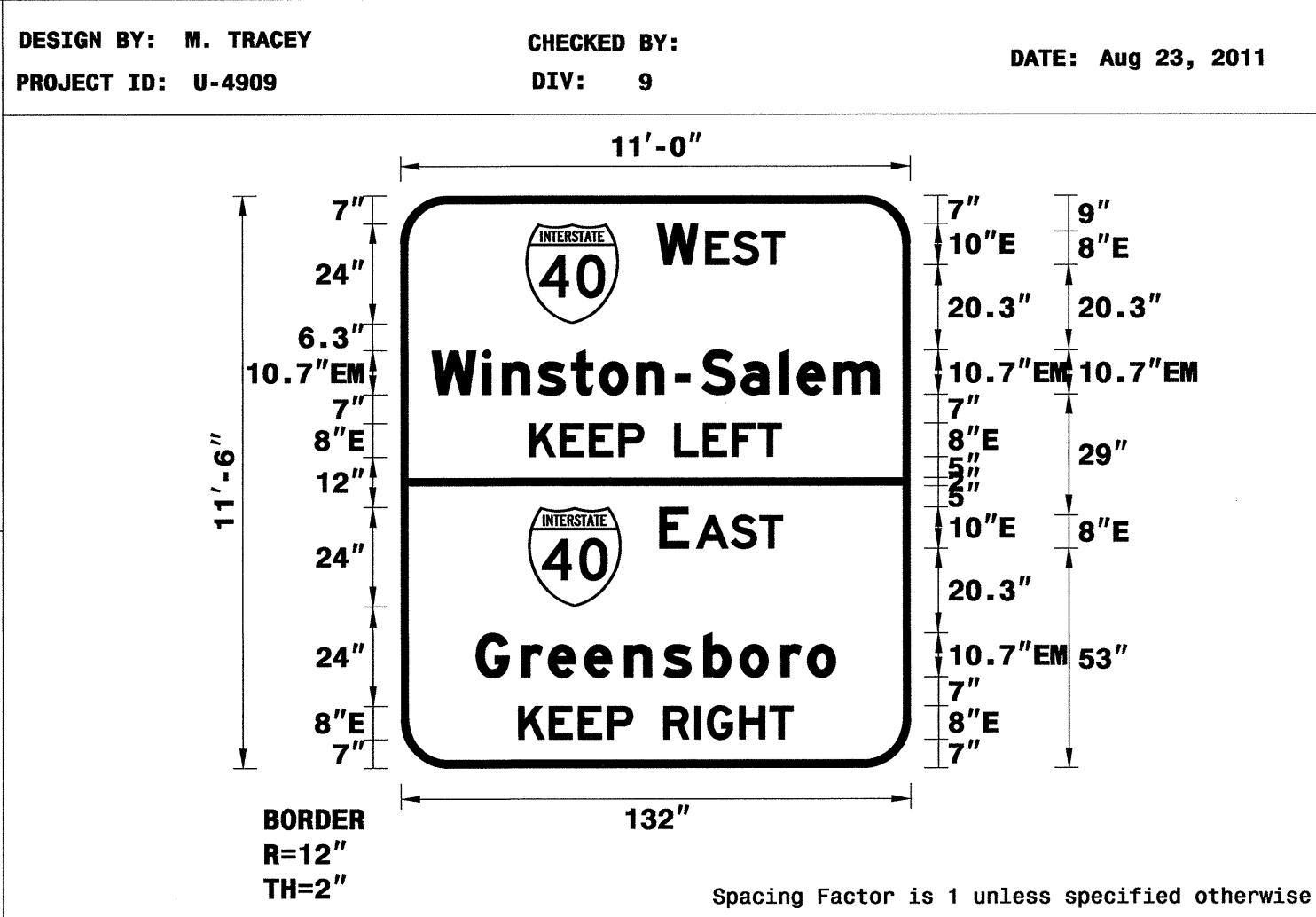
FILENAME: U-4909_Signs
 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 109
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 11'-0"
 HEIGHT: 11'-6"
 TOTAL AREA: 126.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 124.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	32.5	107	24	24
M1_1	33	39	24	24

MAT'L: 0.125" (3.2 mm) ALUMINUM



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 locations are panel edge to lower left corner

Series/Size	Text	Length
E 2000	W E S T	33.1
EM 2000	W I N S T O N - S A L E M	115.8
E 2000	K E E P L E F T	65.2
E 2000	E A S T	31.9
EM 2000	G R E E N S B O R O	93.1
E 2000	K E E P R I G H T	71.1

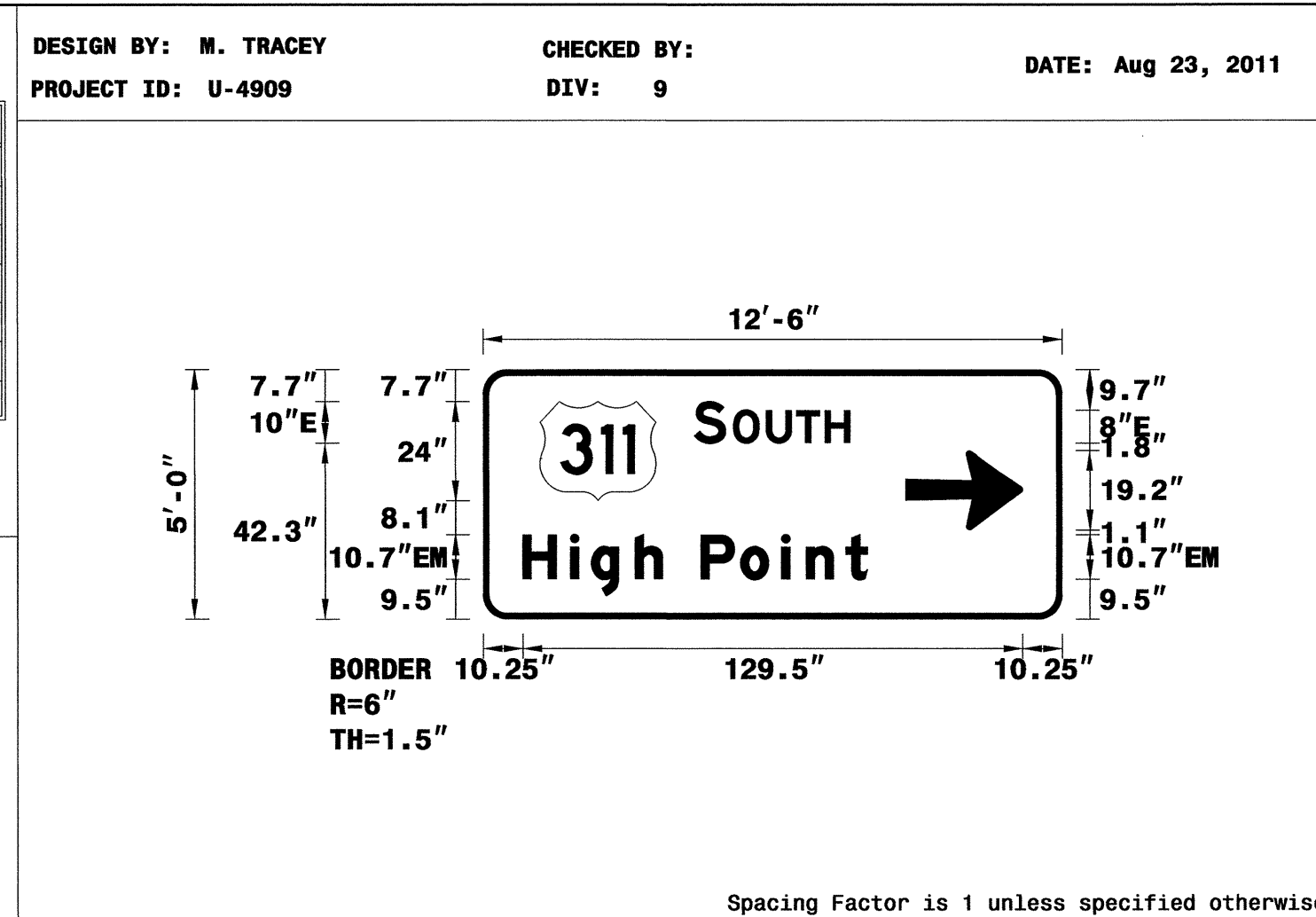
FILENAME: U-4909_Signs
 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 108
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 12'-6"
 HEIGHT: 5'-0"
 TOTAL AREA: 62.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 6"
 NO. Z BARS: 2
 LENGTH: 142.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_4	14.7	28.3	30	24
ARMED	109.5	21.3	19.2	30.2

MAT'L: 0.125" (3.2 mm) ALUMINUM



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 locations are panel edge to lower left corner

Series/Size	Text	Length
E 2000	S O U T H	40.3
EM 2000	H I G H P O I N T	89.3

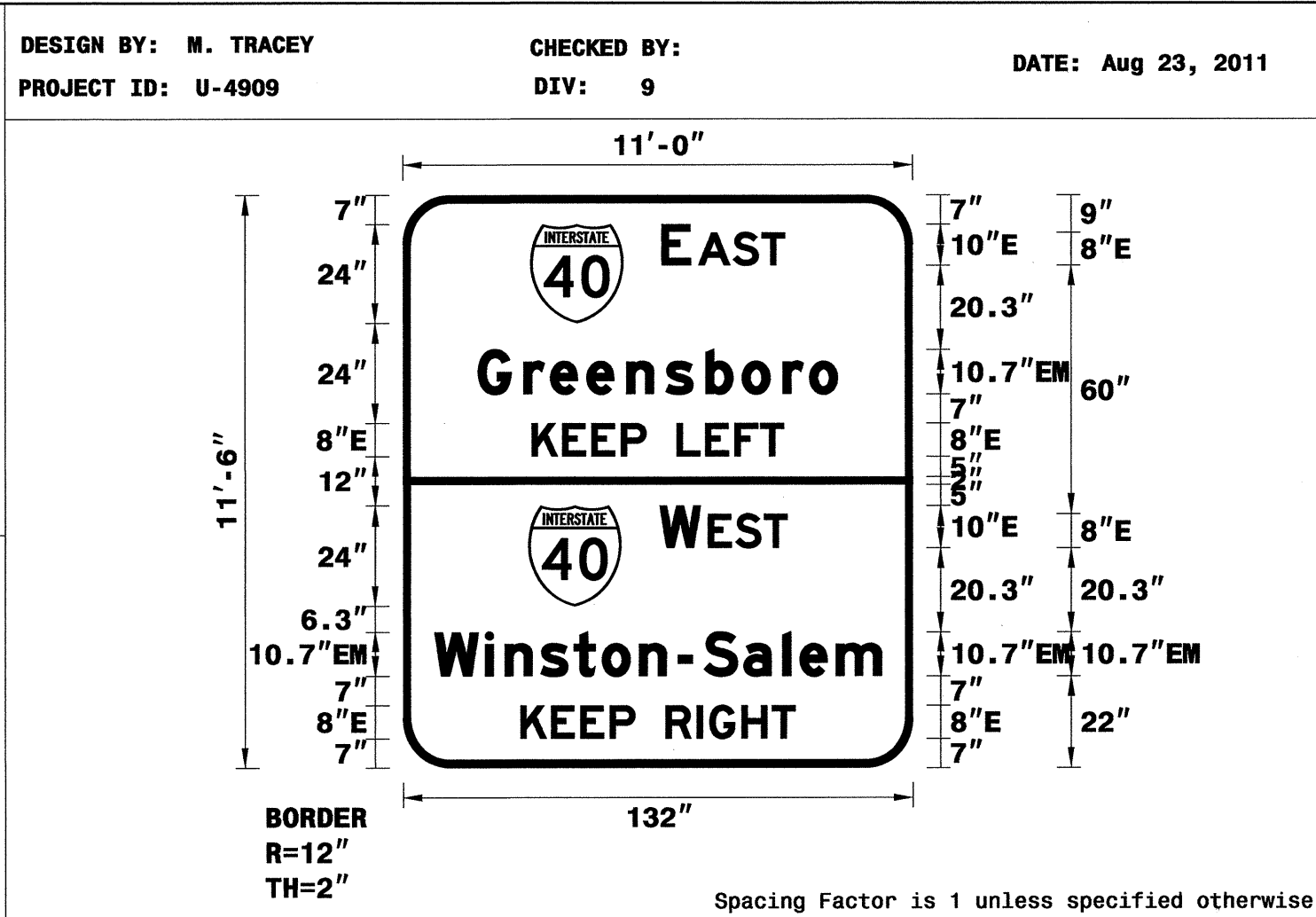
FILENAME: U-4909_Signs
 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 110
 TYPE: A
 QUANTITY: 1
 SIGN WIDTH: 11'-0"
 HEIGHT: 11'-6"
 TOTAL AREA: 126.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 2"
 RADII: 12"
 NO. Z BARS: 3
 LENGTH: 124.0

BACKG COLOR: Green
 COPY COLOR: White

SYMBOL	X	Y	WID	HT
M1_1	33.1	107	24	24
M1_1	32.5	39	24	24

MAT'L: 0.125" (3.2 mm) ALUMINUM



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 locations are panel edge to lower left corner

Series/Size	Text	Length
E 2000	E A S T	31.9
EM 2000	G R E E N S B O R O	93.1
E 2000	K E E P L E F T	65.2
E 2000	W E S T	33.1
EM 2000	W I N S T O N - S A L E M	115.8
E 2000	K E E P R I G H T	71.1

FILENAME: U-4909_Signs
 NORTH CAROLINA D.O.T. SIGN DETAIL

TIP NO. U-4909
 SHEET NO. SIGN-11

APPROVED: *[Signature]*
 DATE: 8/11/11

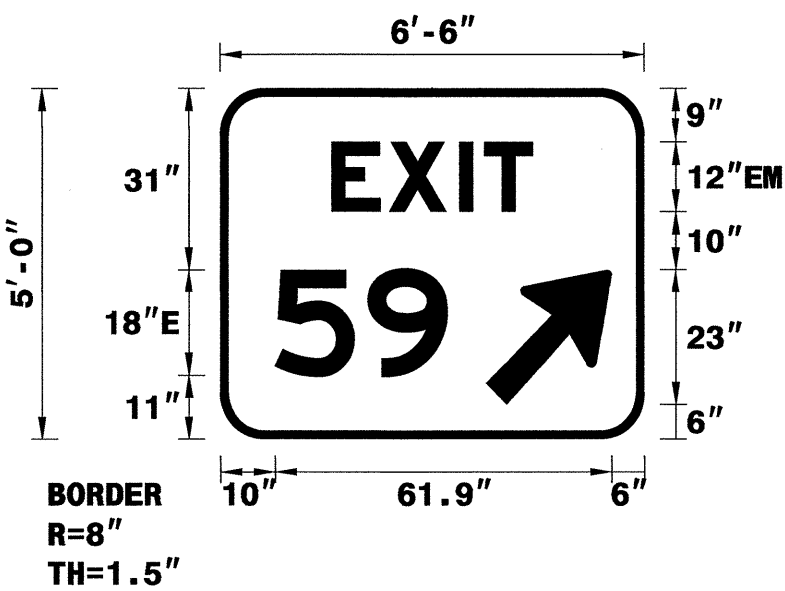
SEAL

SIGN DESIGNS

SIGN NUMBER: 201,202
 TYPE: A
 QUANTITY: 2
 SIGN WIDTH: 6'-6"
 HEIGHT: 5'-0"
 TOTAL AREA: 32.5 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 1.5"
 RADII: 8"
 NO. Z BARS: 2
 LENGTH: 70.0

SYMBOL	X	Y	WID	HT
ARMED	48.9	6	18.8	29.6

DESIGN BY: M. TRACEY
 PROJECT ID: U-4909
 CHECKED BY:
 DIV: 9
 DATE: Jul 05, 2011



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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

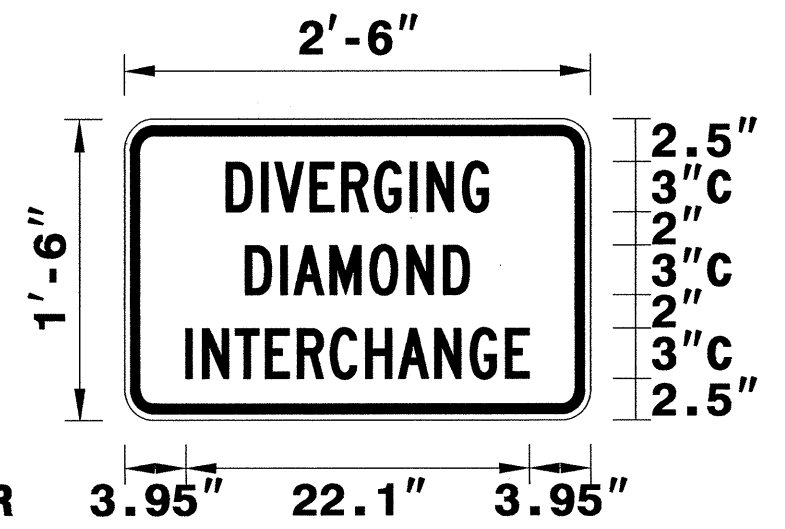
Letter	X	Y	WID	HT	Series/Size	Text Length
E	20.5	31.1	44	48.6	EM 2000	37
X	5	9			E 2000	31.7
I	10	27.1				
T						

FILENAME: U-4909_Signs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 436
 TYPE: E
 QUANTITY: 2
 SIGN WIDTH: 2'-6"
 HEIGHT: 1'-6"
 TOTAL AREA: 3.8 Sq.Ft.
 BORDER TYPE: INSET
 RECESS: 0.38"
 WIDTH: 0.63"
 RADII: 1.5"
 NO. Z BARS:
 LENGTH:

SYMBOL	X	Y	WID	HT

DESIGN BY: M. TRACEY
 PROJECT ID: U-4909
 CHECKED BY:
 DIV: 9
 DATE: Aug 18, 2011



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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

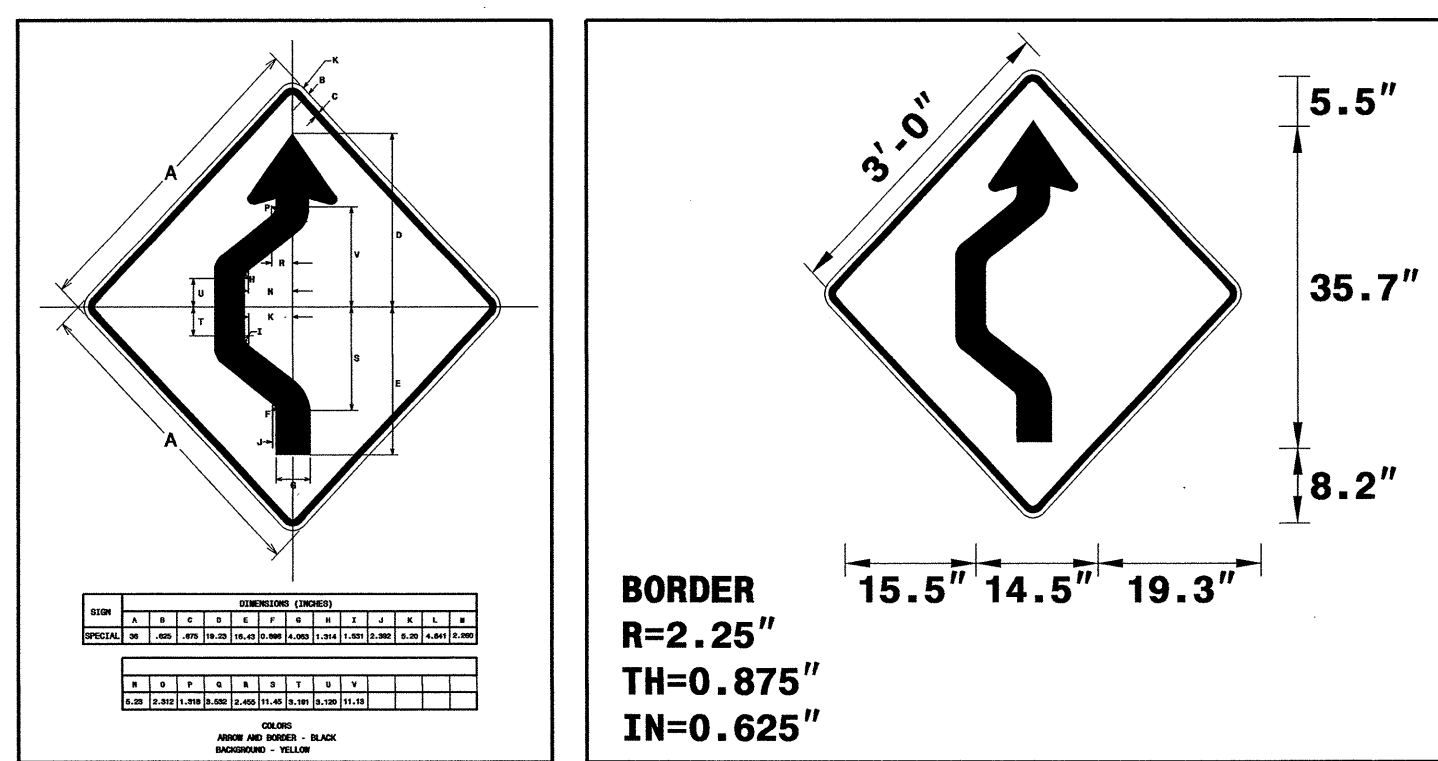
Letter	X	Y	WID	HT	Series/Size	Text Length							
D	6.6	8.8	9.7	12	14	16.1	18.4	19.5	21.8	C 2000	16.9		
I	7.8	10.1	10.9	13.2	15.8	18.2	20.5			C 2000	14.4		
V	3.9	5	7.1	9.1	11.1	13.2	15.5	17.6	20	22.2	24.5	C 2000	22.1
E													

FILENAME: U-4909_Signs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 435
 TYPE: E
 QUANTITY: 2
 SIGN WIDTH: 4'-1"
 HEIGHT: 4'-1"
 TOTAL AREA: 16.9 Sq.Ft.
 BORDER TYPE: INSET
 RECESS: 0.625"
 WIDTH: 0.875"
 RADII: 2.25"
 NO. Z BARS: 2
 LENGTH: 41.4

SYMBOL	X	Y	WID	HT
ARROW	15.5	8.3	14.5	35.7

DESIGN BY: M. TRACEY
 PROJECT ID: U-4909
 CHECKED BY:
 DIV: 9
 DATE: Aug 18, 2011



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

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter locations are panel edge to lower left corner

Letter	X	Y	WID	HT	Series/Size	Text Length

FILENAME: U-4909_Signs NORTH CAROLINA D.O.T. SIGN DETAIL

TIP NO. U-4909 SHEET NO. SIGN-12

APPROVED: *[Signature]*

DATE: *[Date]*

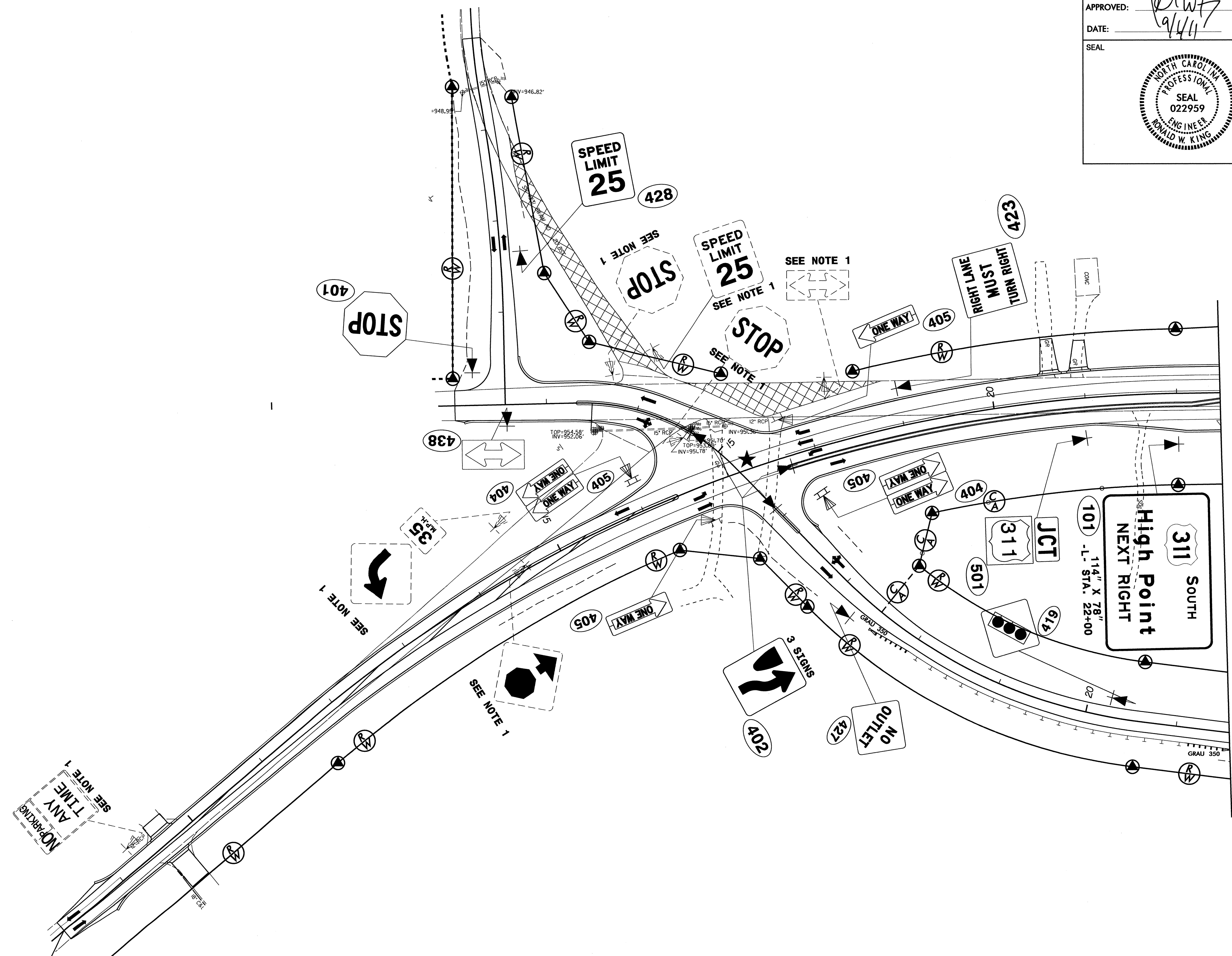
SEAL

SIGN DESIGNS

TIP NO. U-4909	SHEET NO. SIGN-13
APPROVED: <i>[Signature]</i>	
DATE: 9/4/11	
SEAL	

SEAL
022959
ENGINEER
RONALD W. KING

-L- STA. 8+15.00 BEGIN STATE
SIGNING PROJECT U-4909

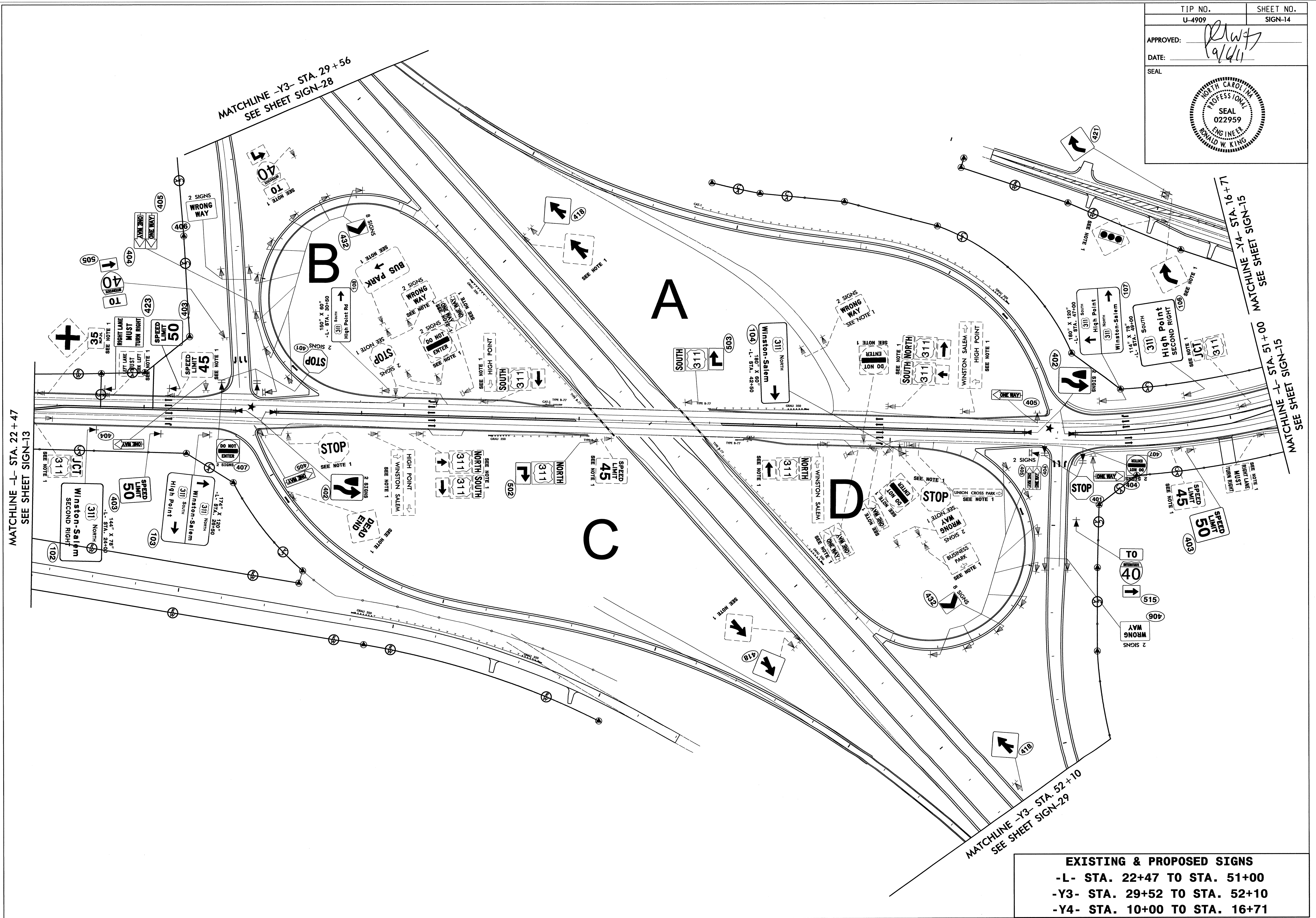


MATCHLINE -L- STA. 22 + 47
SEE SHEET SIGN-14

EXISTING & PROPOSED SIGNS
-L- STA. 8+15 TO STA. 22+47
UNION CROSS RD

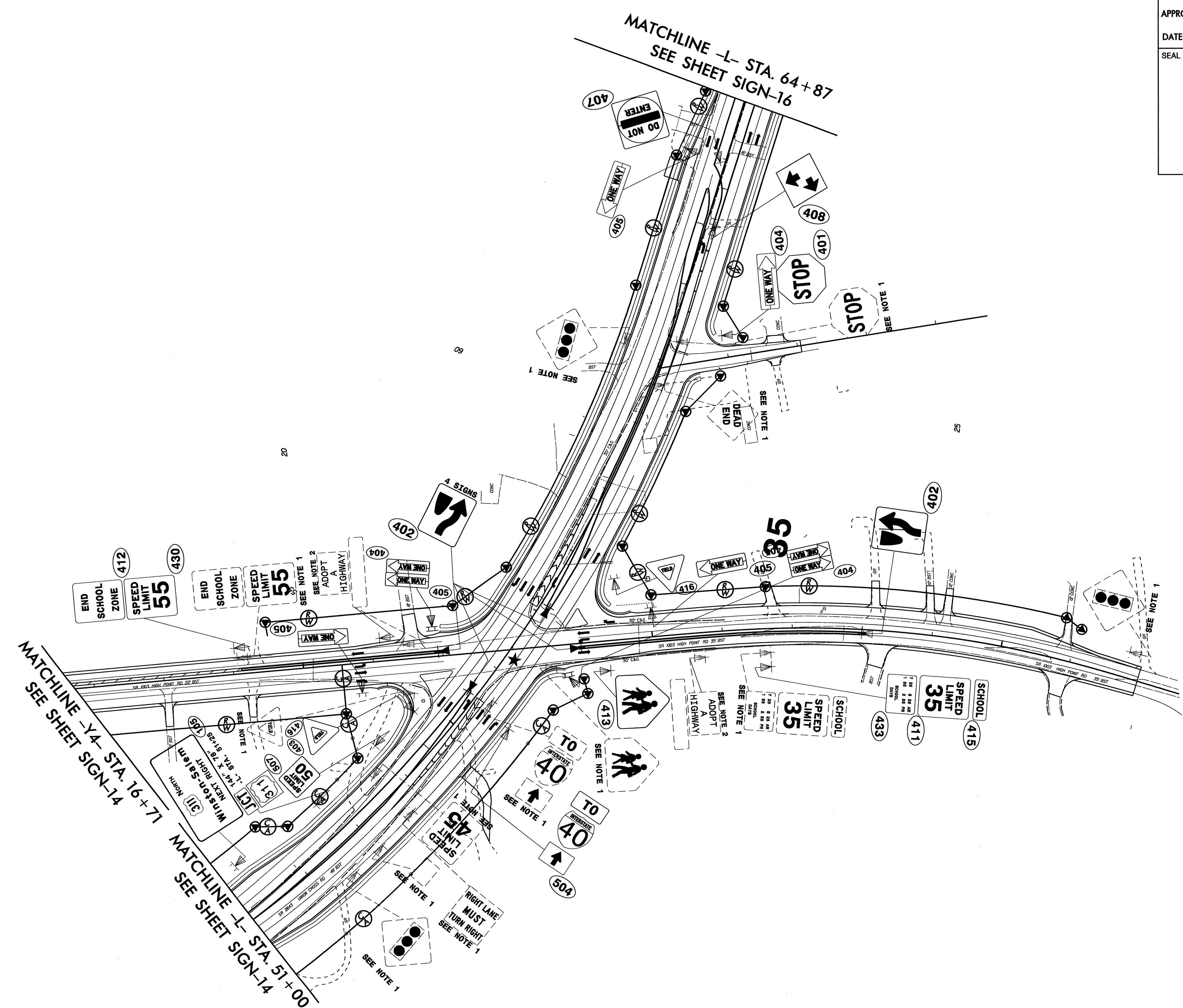
TIP NO. U-4909	SHEET NO. SIGN-14
APPROVED: <i>[Signature]</i>	
DATE: 9/4/11	
SEAL	

Professional Engineer
SEAL
022959
RONALD W. KING




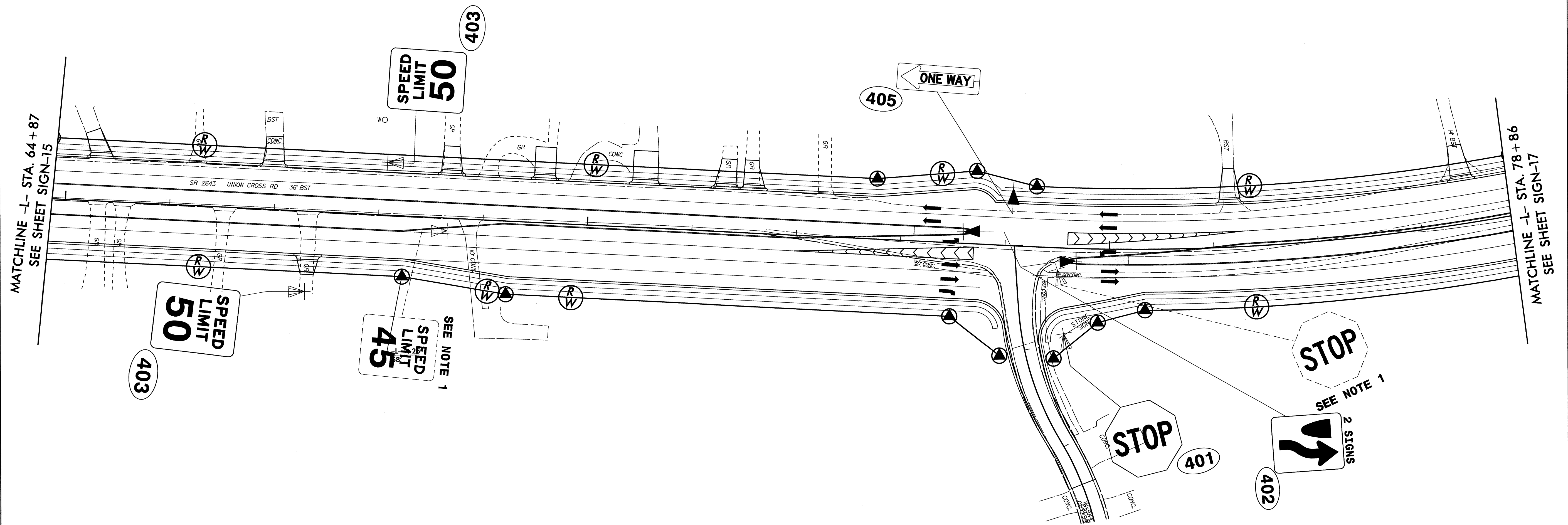
EXISTING & PROPOSED SIGNS
 -L- STA. 22+47 TO STA. 51+00
 -Y3- STA. 29+52 TO STA. 52+10
 -Y4- STA. 10+00 TO STA. 16+71

TIP NO. U-4909	SHEET NO. SIGN-15
APPROVED: <i>[Signature]</i>	
DATE: 9/11/11	
SEAL	



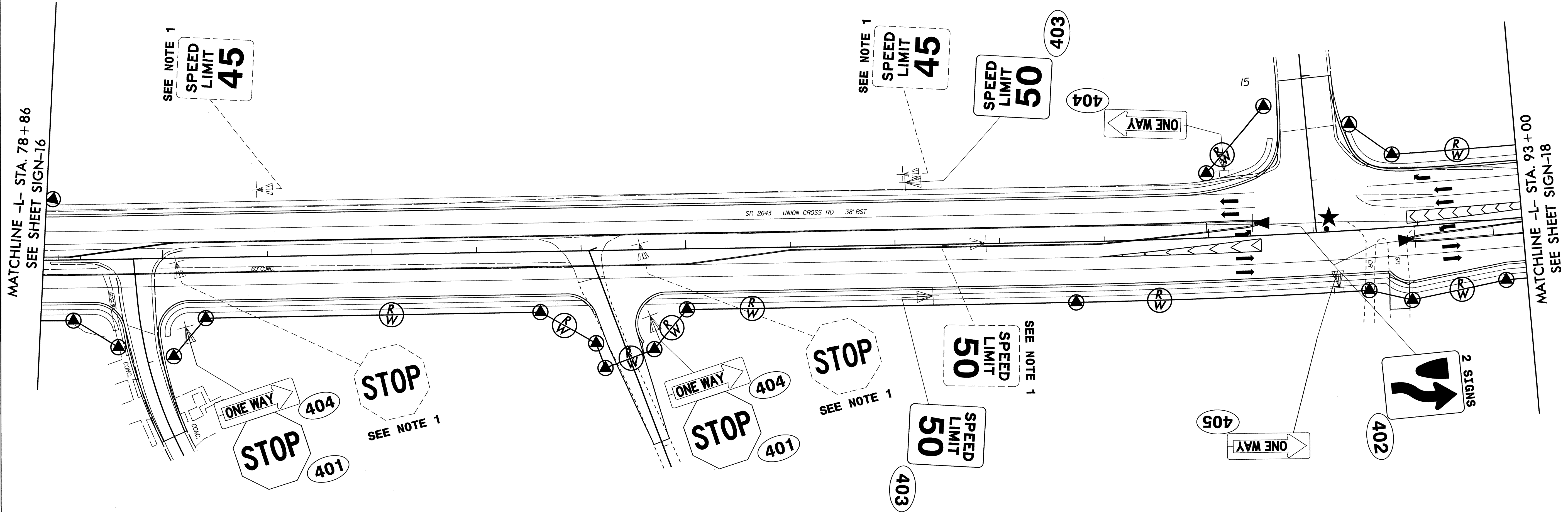
EXISTING & PROPOSED SIGNS
 -L- STA. 51+00 TO STA. 64+87
 -Y4- STA. 16+71 TO STA. 32+00

TIP NO. U-4909	SHEET NO. SIGN-16
APPROVED: <i>R.W.K.</i>	
DATE: 9/6/11	
SEAL	
	



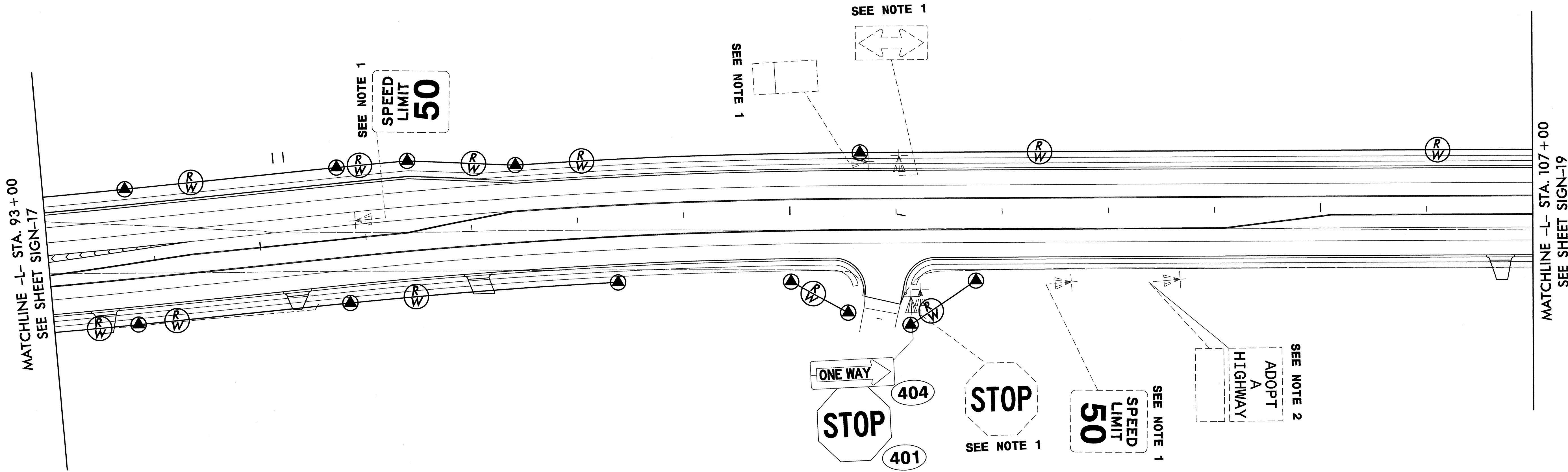
EXISTING & PROPOSED SIGNS
 -L- STA. 64+87 TO STA. 78+86
 UNION CROSS RD

TIP NO. U-4909	SHEET NO. SIGN-17
APPROVED: <i>RW</i>	
DATE: 9/14	
SEAL	



EXISTING & PROPOSED SIGNS
 -L- STA. 78+86 TO STA. 93+00
 UNION CROSS RD

TIP NO. U-4909	SHEET NO. SIGN-18
APPROVED: <i>RW King</i>	
DATE: <i>11/16/10</i>	
SEAL	




MATCHLINE -L- STA. 93+00
SEE SHEET SIGN-17

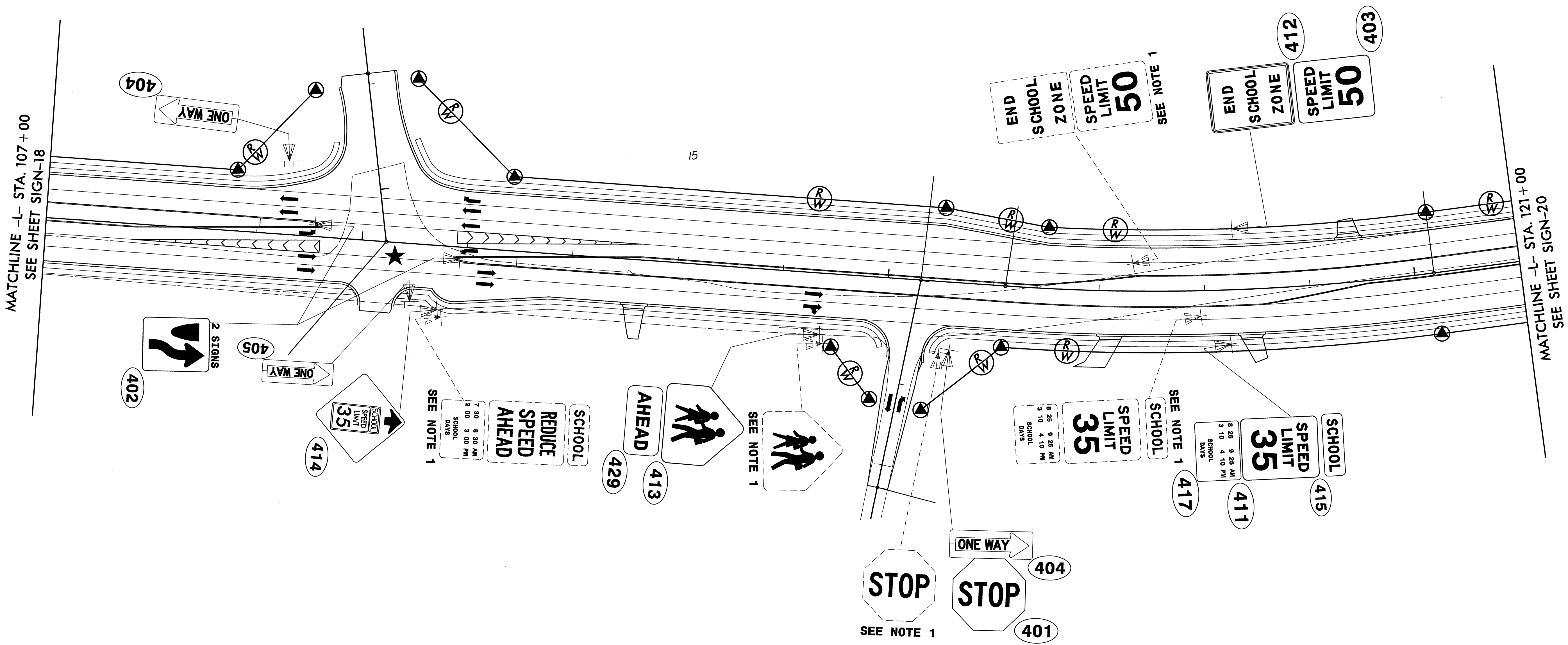
MATCHLINE -L- STA. 107+00
SEE SHEET SIGN-19

**EXISTING & PROPOSED SIGNS
-L- STA. 93+00 TO STA. 107+00
UNION CROSS RD**

TIP NO. U-4909	SHEET NO. SIGN-19
APPROVED: <i>R.W.K.</i>	
DATE: _____	
SEAL	

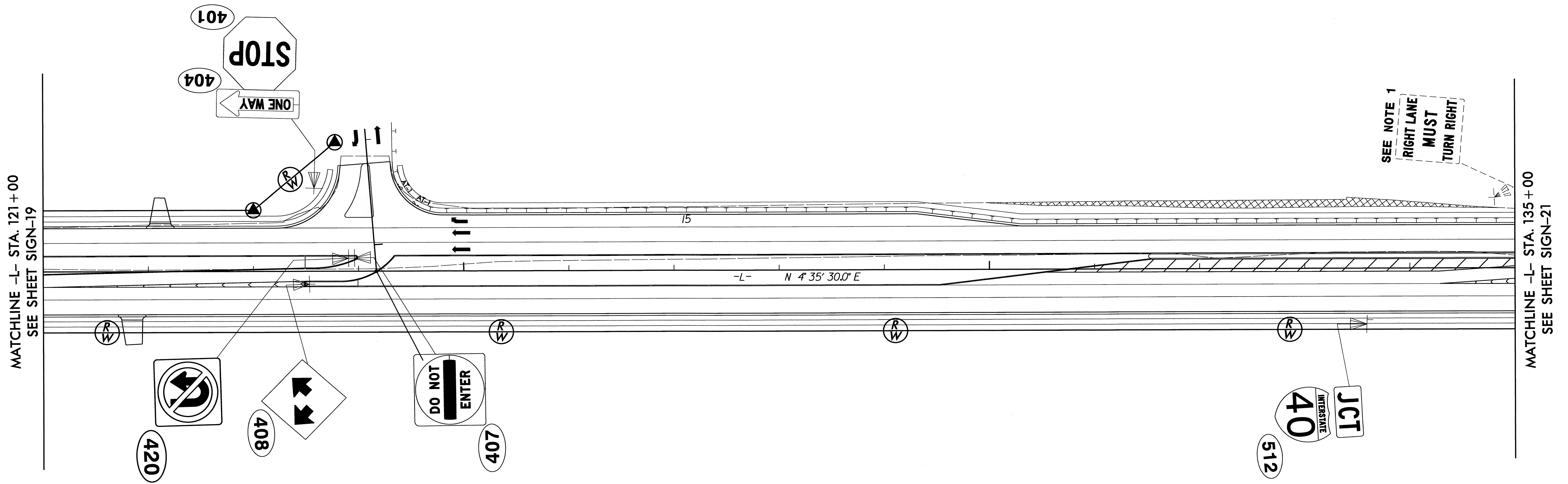


SEAL
022959
ENGINEER
RONALD W. KING



EXISTING & PROPOSED SIGNS
-L- STA. 107+00 TO STA. 121+00
UNION CROSS RD

TIP NO. U-4909	SHEET NO. SIGN-20
APPROVED: <i>RWT</i>	
DATE: <i>1/16/11</i>	
SEAL	



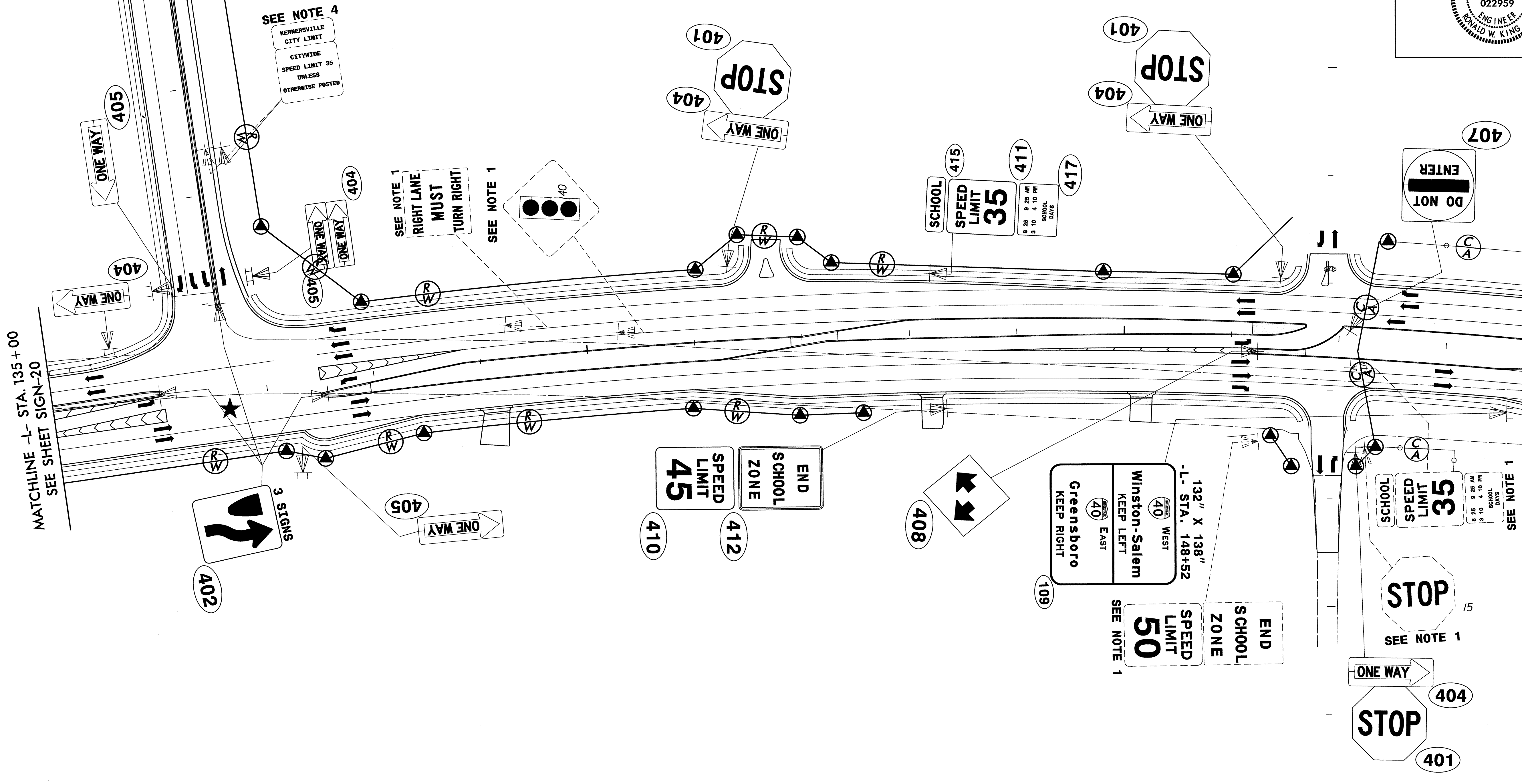
EXISTING & PROPOSED SIGNS
-L- STA. 121+00 TO STA. 135+00
UNION CROSS RD

TIP NO. U-4909	SHEET NO. SIGN-21
APPROVED: <i>[Signature]</i>	
DATE: 9/6/11	
SEAL	

MATCHLINE -Y13- STA. 20+00
SEE SHEET SIGN-30

MATCHLINE -L- STA. 135+00
SEE SHEET SIGN-20

MATCHLINE -L- STA. 148+79
SEE SHEET SIGN-22




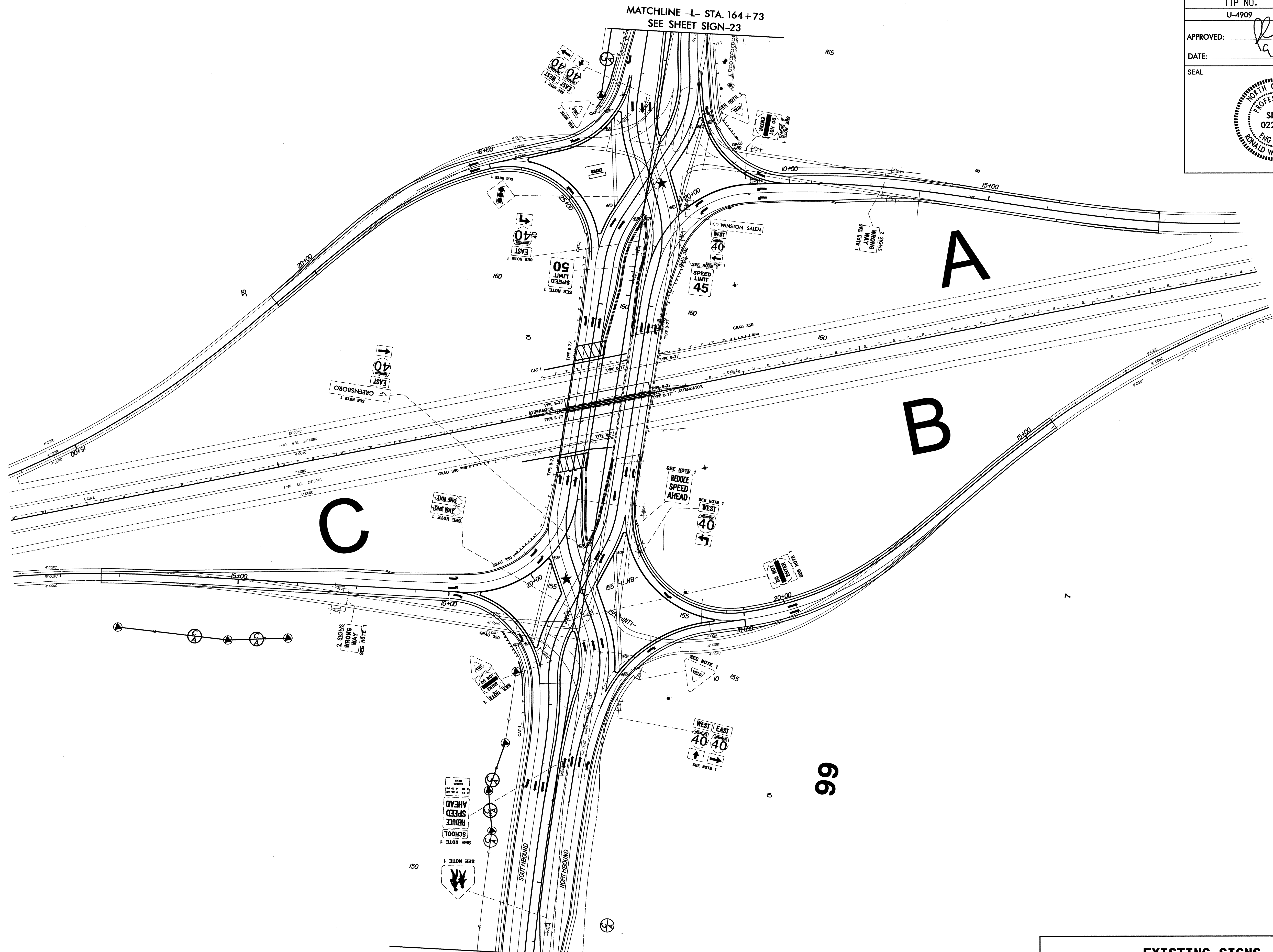
SEE NOTE 4
KERNERSVILLE
CITY LIMIT
CITYWIDE
SPEED LIMIT 35
UNLESS
OTHERWISE POSTED

SEE NOTE 1
RIGHT LANE
MUST
TURN RIGHT

132" X 138"
-L- STA. 148+52
WEST
Winston-Salem
KEEP LEFT
EAST
Greensboro
KEEP RIGHT
SEE NOTE 1
SPEED LIMIT 50
END SCHOOL ZONE

EXISTING & PROPOSED SIGNS
-L- STA. 135+00 TO STA. 148+79
-Y13- STA. 20+00 TO STA. 23+87.84


TIP NO. U-4909	SHEET NO. SIGN-22
APPROVED: <i>RW7</i>	
DATE: <i>11/11</i>	
SEAL	
	

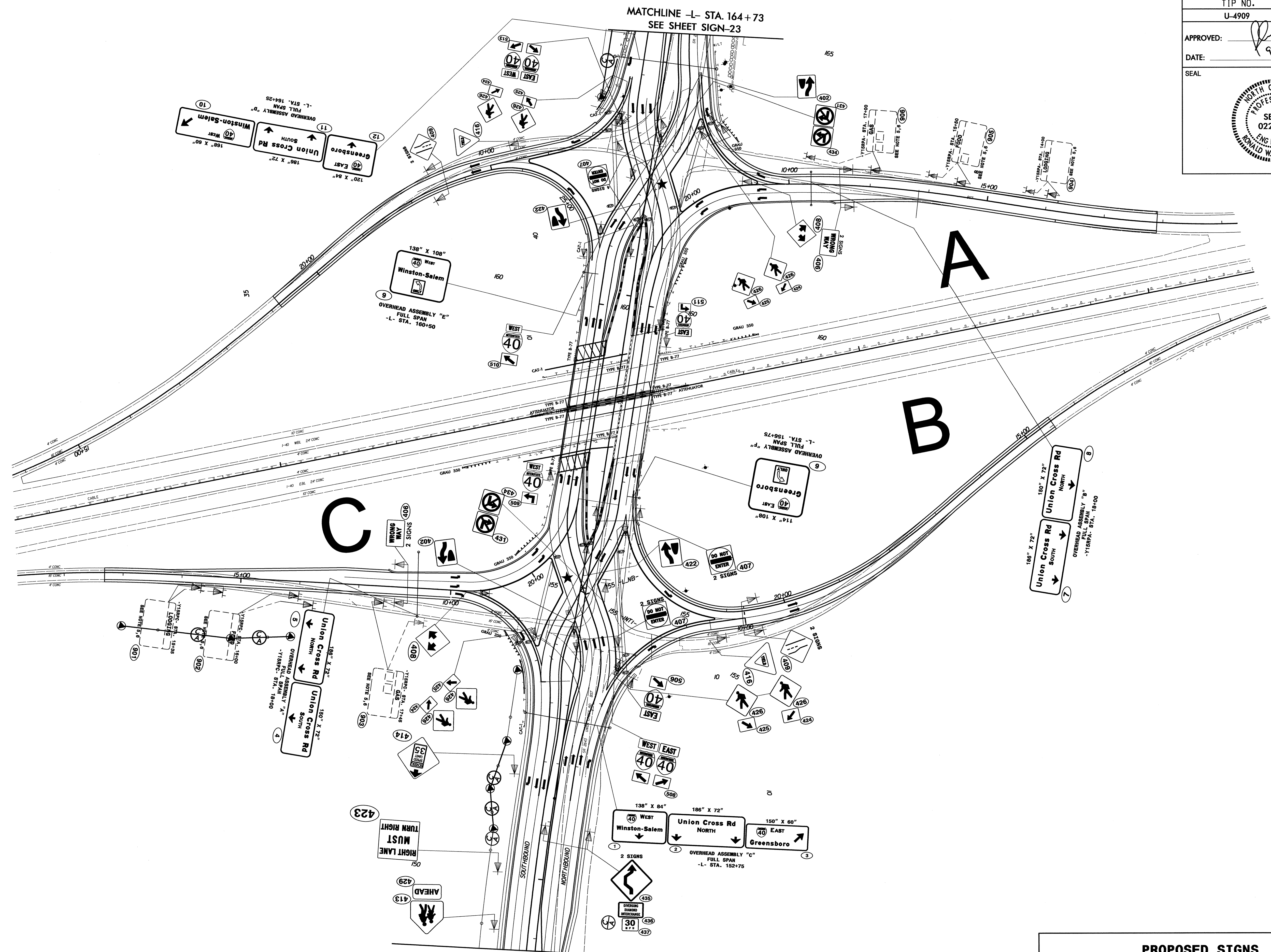


MATCHLINE -L- STA. 164+73
SEE SHEET SIGN-23


MATCHLINE -L- STA. 148+79
SEE SHEET SIGN-21

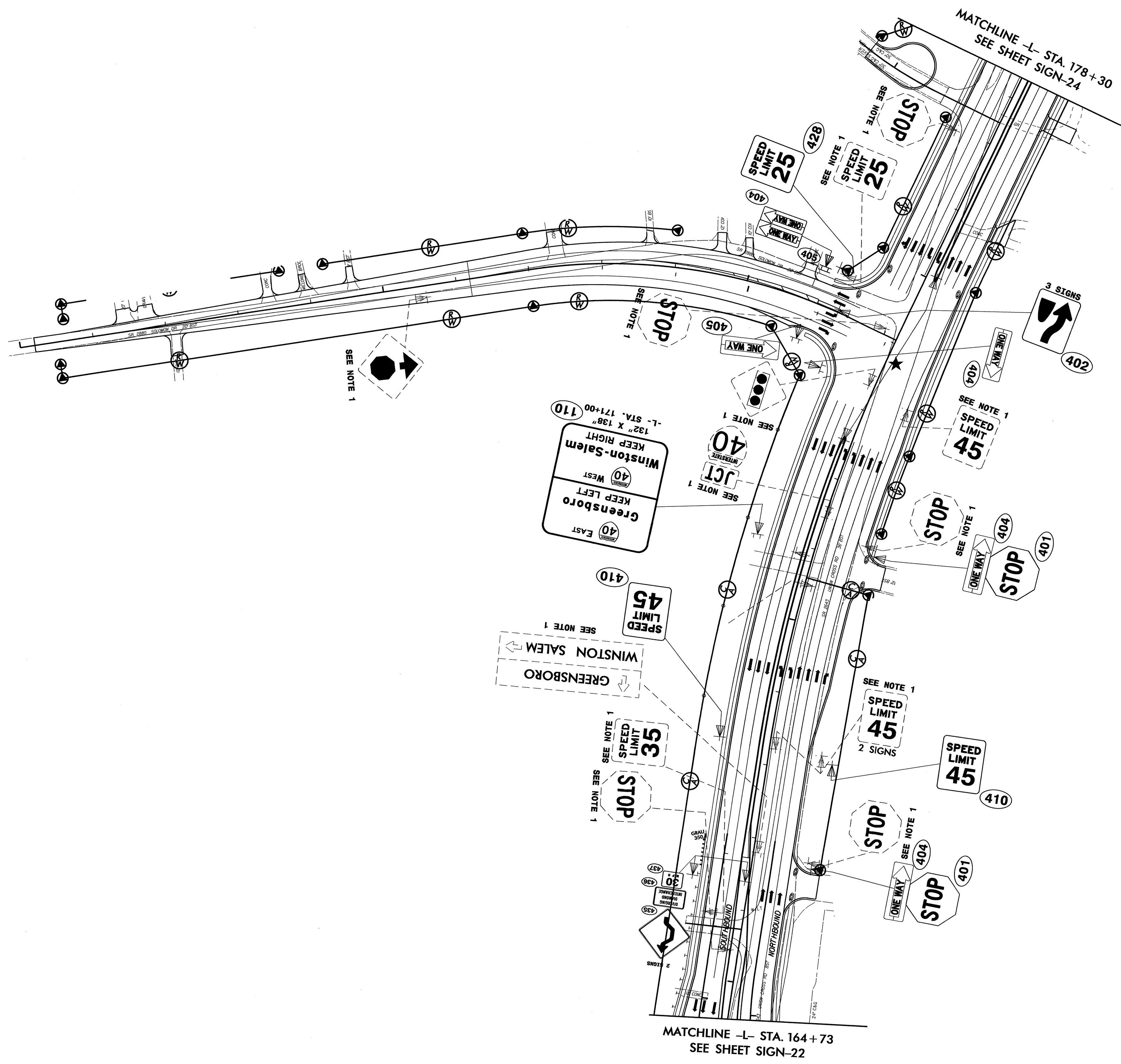
EXISTING SIGNS
-L- STA. 148+79 TO STA. 164+73
UNION CROSS RD/I-40 INTERCHANGE

TIP NO. U-4909	SHEET NO. SIGN-22A
APPROVED: <i>[Signature]</i>	
DATE: _____	
SEAL	
	




PROPOSED SIGNS
 -L- STA. 148+79 TO STA. 164+73
 UNION CROSS RD/I-40 INTERCHANGE

TIP NO. U-4909	SHEET NO. SIGN-23
APPROVED: <i>R.W.T.</i>	
DATE: <i>4/11</i>	
SEAL	
	

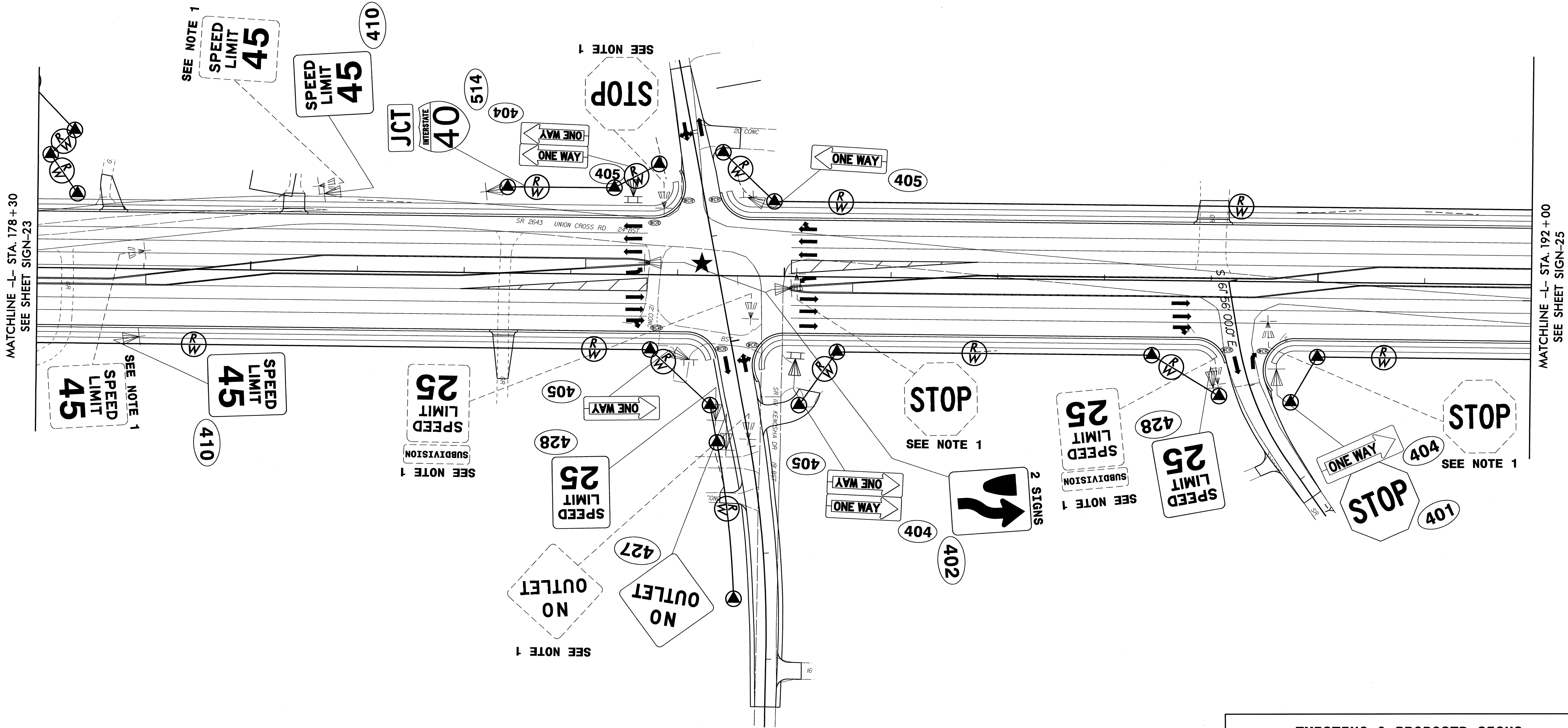


EXISTING & PROPOSED SIGNS
-L- STA. 164+73 TO STA. 178+30
UNION CROSS RD

TIP NO. U-4909	SHEET NO. SIGN-24
APPROVED: <i>[Signature]</i>	
DATE: 10/6/11	
SEAL	

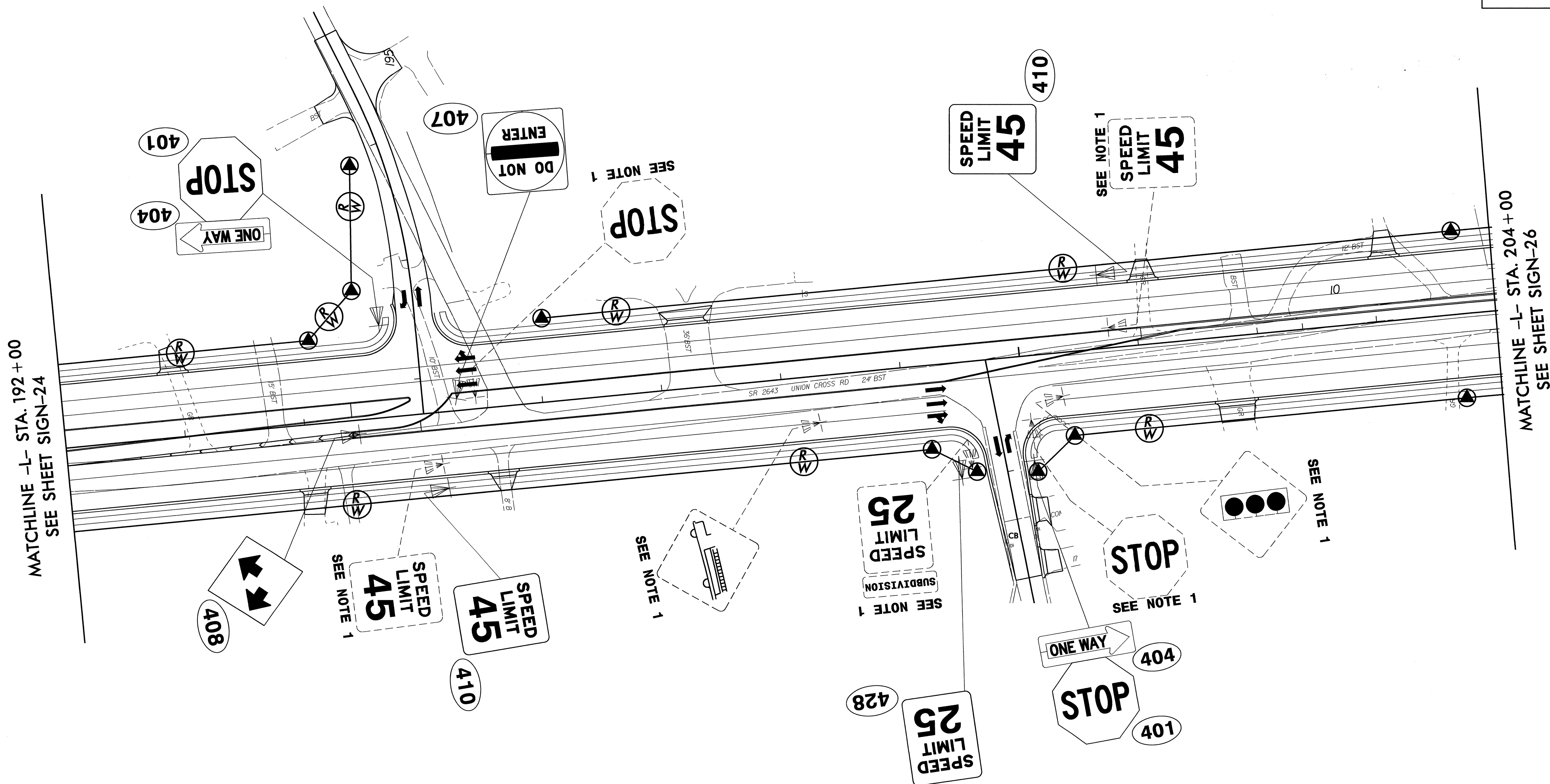


SEAL
022959
ENG. INEER
RONALD W. KING



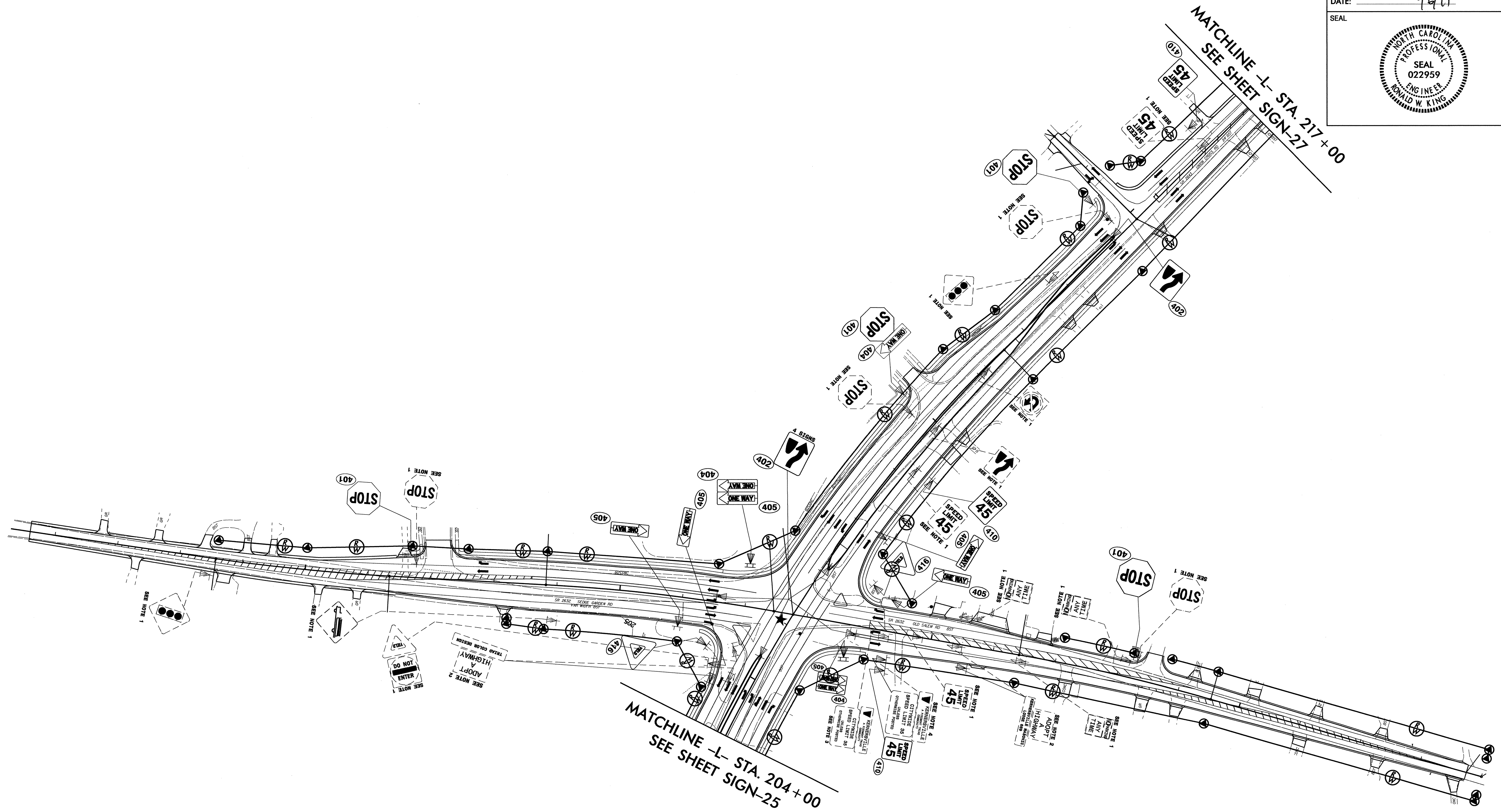
EXISTING & PROPOSED SIGNS
 -L- STA. 178+30 TO STA. 192+00
 UNION CROSS RD

TIP NO. U-4909	SHEET NO. SIGN-25
APPROVED: <i>[Signature]</i>	
DATE: _____	
SEAL	



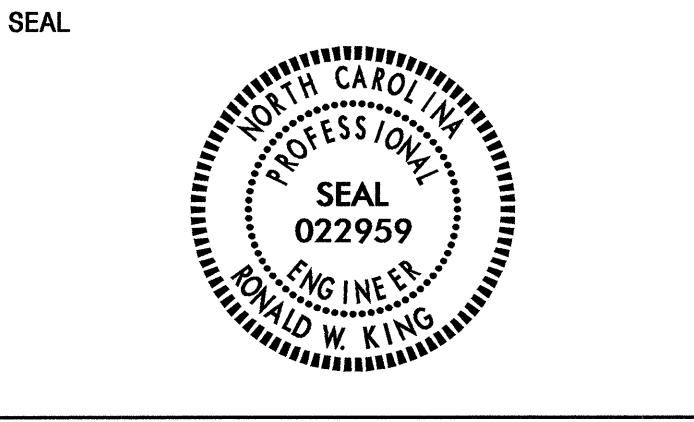
EXISTING & PROPOSED SIGNS
 -L- STA. 192+00 TO STA. 204+00
 UNION CROSS RD

TIP NO. U-4909	SHEET NO. SIGN-26
APPROVED: <i>RW King</i>	
DATE: <i>2/4/11</i>	
SEAL	

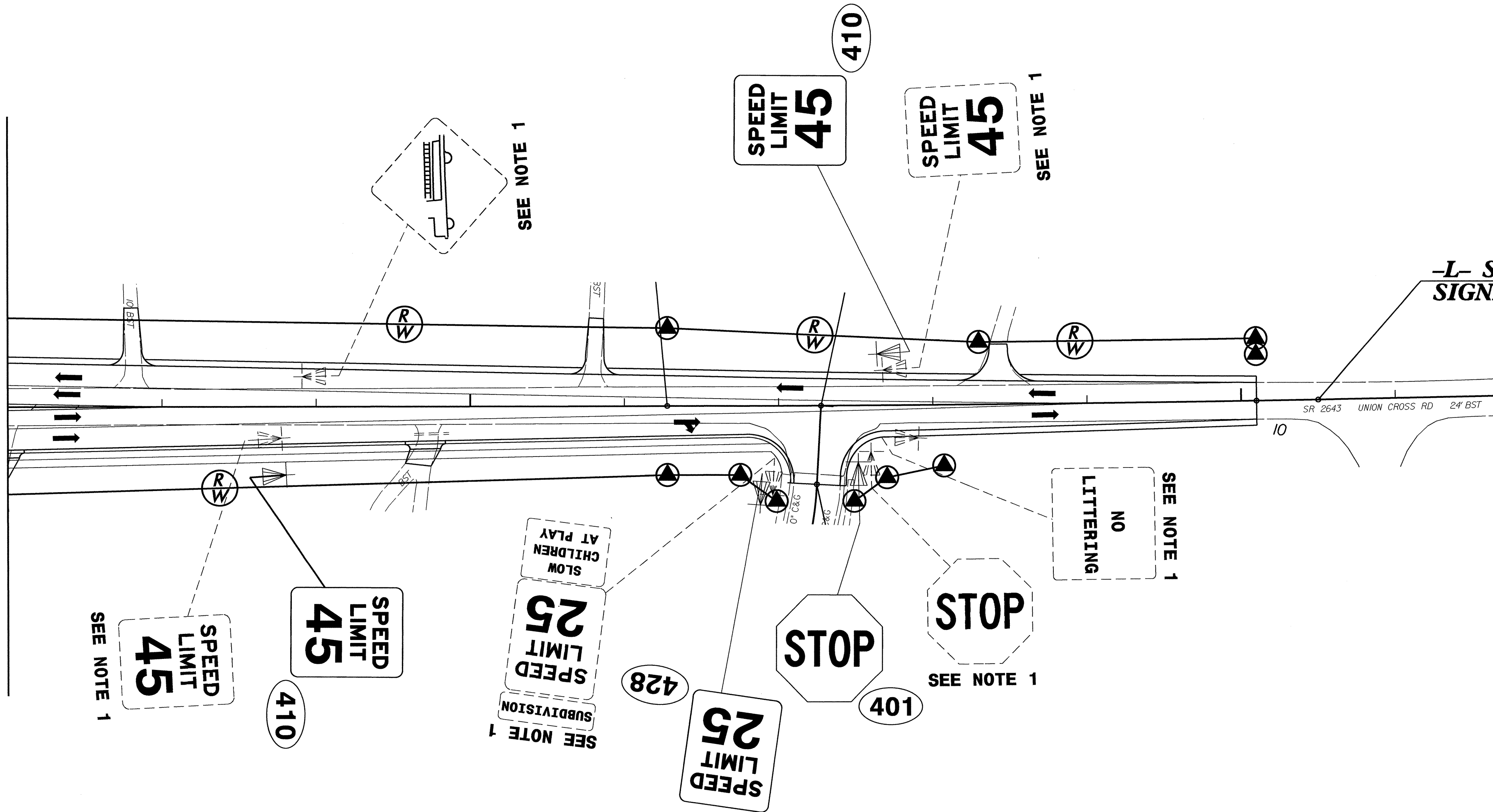


EXISTING & PROPOSED SIGNS
-L- STA. 204+00 TO STA. 217+00
UNION CROSS RD

APPROVED: *[Signature]*
 DATE: 9/10



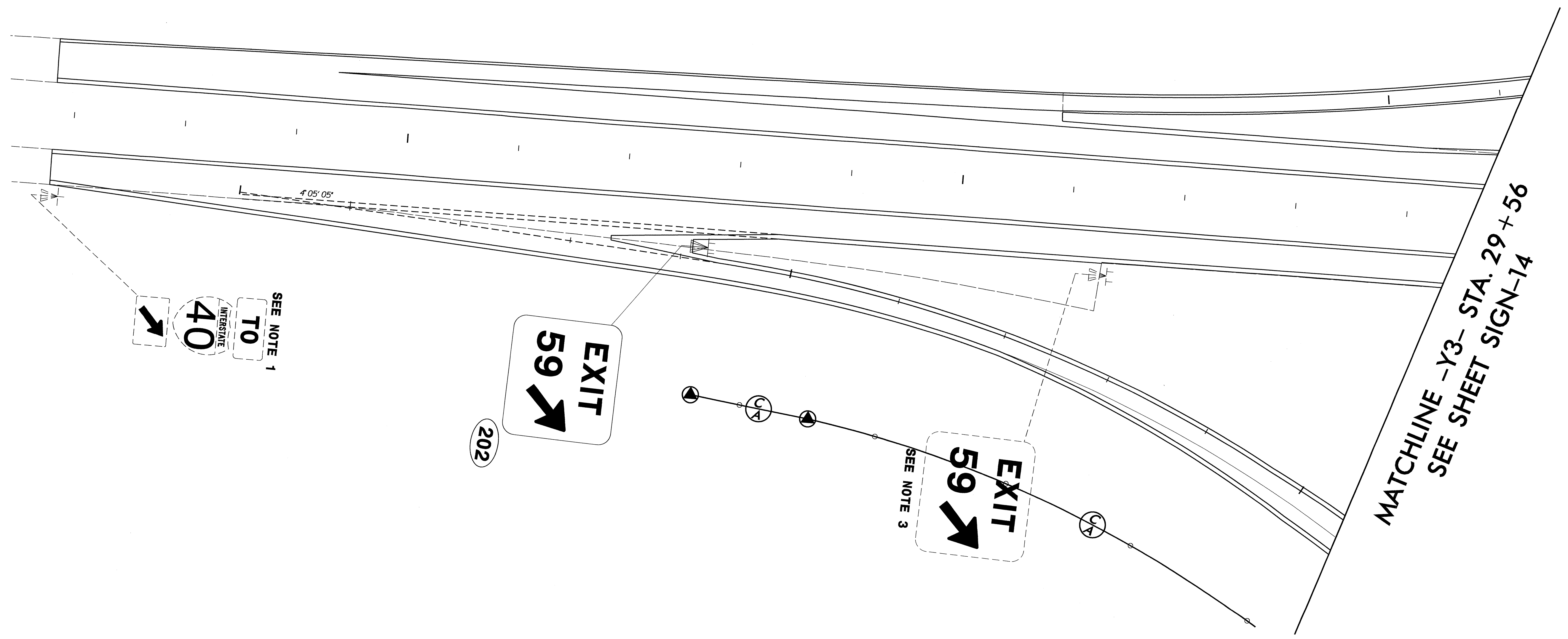
MATCHLINE -L- STA. 217 + 00
 SEE SHEET SIGN-26



-L- STA. 225 + 50.00 END STATE
 SIGNING PROJECT U-4909

EXISTING & PROPOSED SIGNS
 -L- STA. 217+00 TO STA. 225+50
 UNION CROSS RD

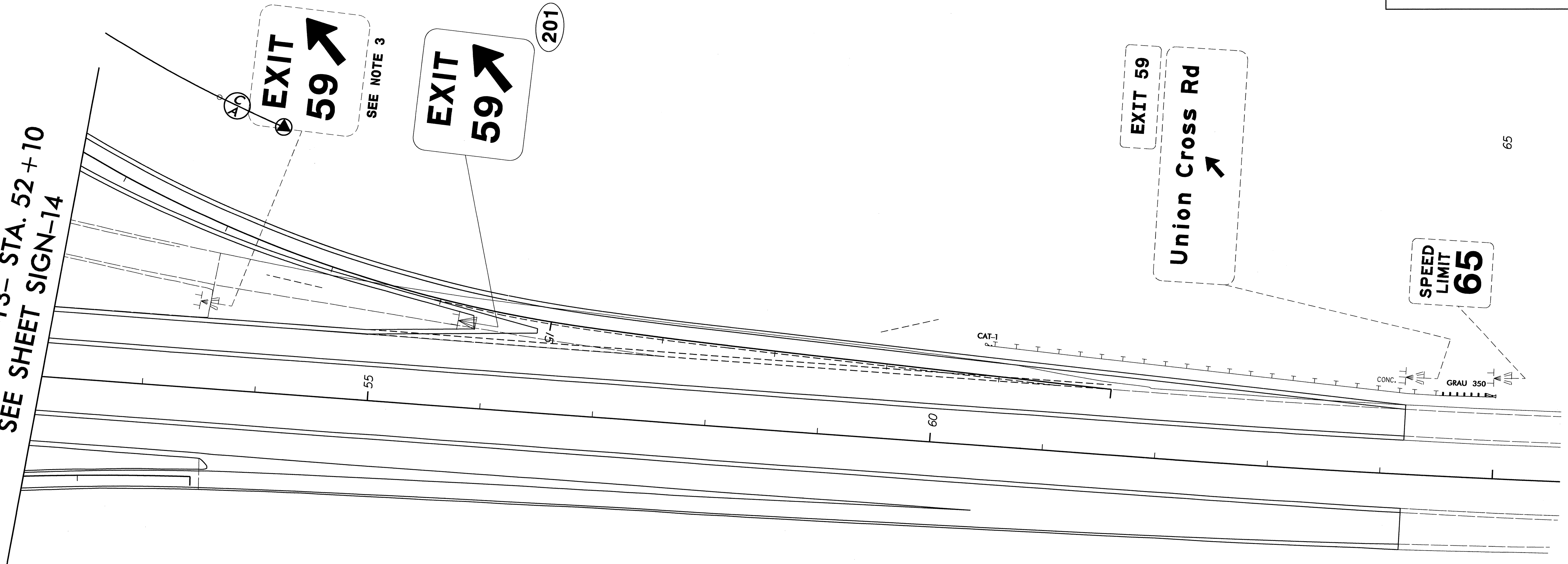
TIP NO. U-4909	SHEET NO. SIGN-28
APPROVED: <i>RW</i>	
DATE: 9/6/17	
SEAL	



EXISTING & PROPOSED SIGNS
 -Y3- STA. 16+82.33 TO STA. 29+56
 US 311

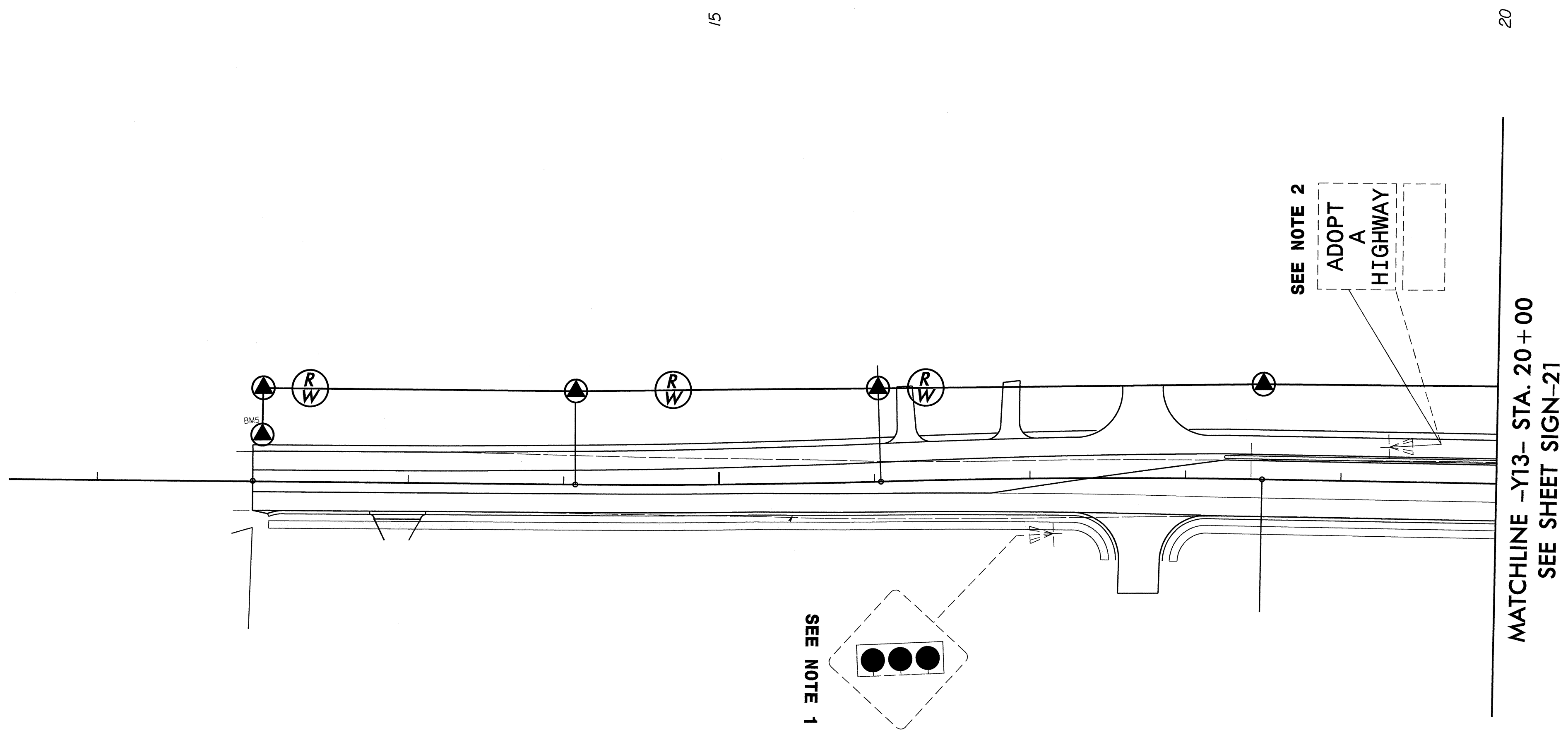
TIP NO. U-4909	SHEET NO. SIGN-29
APPROVED: <i>RWT</i>	
DATE: <i>9/6/11</i>	
SEAL	

MATCHLINE -Y3- STA. 52+10
SEE SHEET SIGN-14



EXISTING & PROPOSED SIGNS
-LY3- STA. 52+10 TO STA. 65+00
US 311

TIP NO. U-4909	SHEET NO. SIGN-30
APPROVED: <i>R. King</i>	
DATE: <i>2/11/11</i>	
SEAL	



EXISTING & PROPOSED SIGNS
-Y13- STA. 10+43 TO STA. 20+00
GLENN HIGH RD