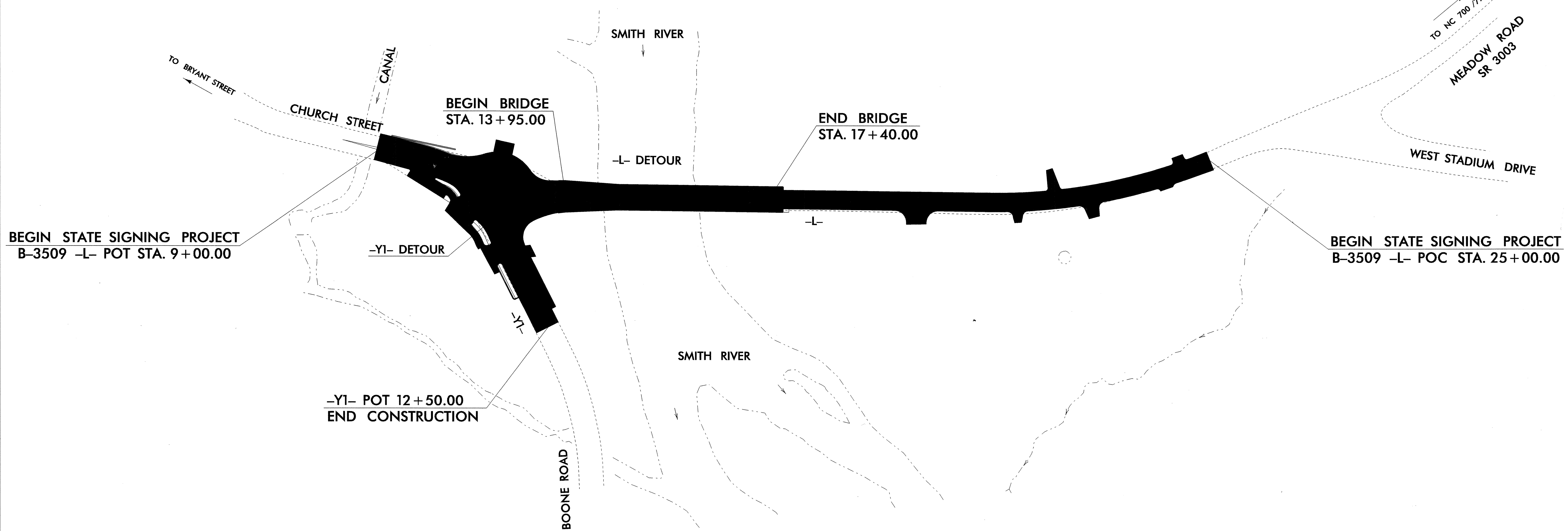
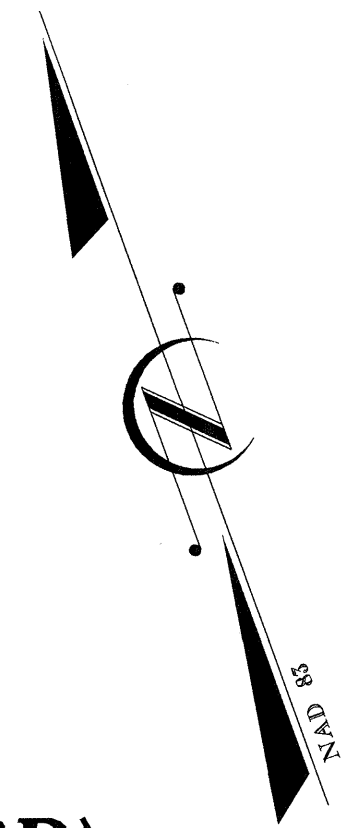


**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLANS
ROCKINGHAM COUNTY**

LOCATION: BRIDGE NO. 75 OVER SMITH RIVER AND APPROACHES ON SR 3003 (MEADOW RD)



SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4025000000	901	CONTRACTOR FURNISHED, TYPE D SIGN	36.6	S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN	189.6	S.F.
4072000000	903	SUPPORTS, 3-LB STEEL U-CHANNEL	594	L.F.
4096000000	904	SIGN ERECTION, TYPE D	4	EA.
4102000000	904	SIGN ERECTION, TYPE E	38	EA.
4129000000	906	RELOCATE SIGN, TYPE D, E, OR F	3	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	11	EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	2	EA.

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SIGN DESIGNS
3	E SHEET
4 & 5	EXISTING/PROPOSED ROADWAY

PLAN PREPARED BY: N.C.D.O.T. SIGNING SECTION

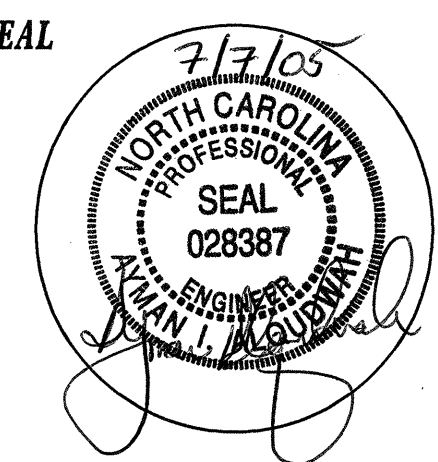
SEAL

RON KING, P.E. SIGNING ENGINEER

A. I. ALQUDWAH, P.E. SIGNING PROJECT ENGINEER

D. M. EATON SIGNING PROJECT DESIGN ENGINEER

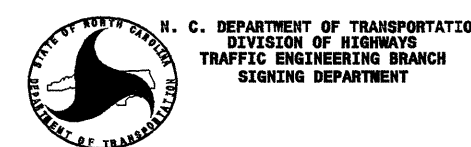
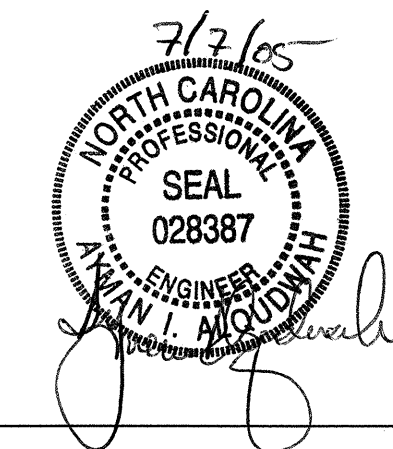
R. R. HENNEIN SIGNING DESIGNER



ROADWAY STANDARD DRAWINGS
APPLICABLE TO THESE SIGNING PLANS
903.10 904.30 904.50

T.I.P.: B-3509

CONTRACT NO.: C201290



N. C. DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
TRAFFIC ENGINEERING BRANCH
SIGNING DEPARTMENT

SIGN NUMBER: 301,303
TYPE: D
QUANTITY: 2
SIGN WIDTH: 66"
HEIGHT: 24"
TOTAL AREA: 11.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADIUS: 3"
NO. Z BARS:
LENGTH:

BACKG COLOR: Green
COPY COLOR: White

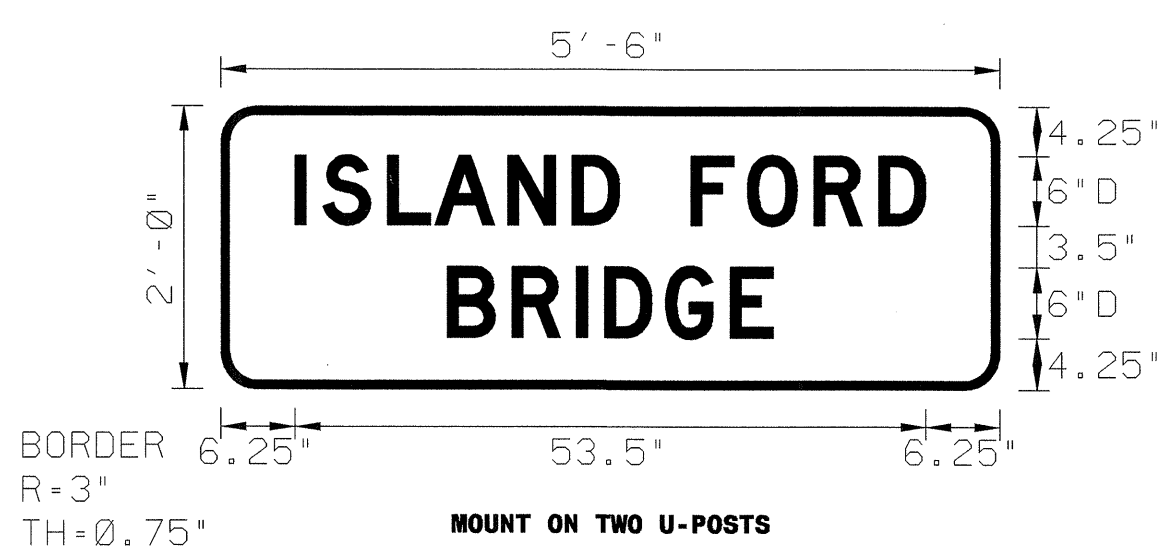
SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
PROJECT ID: B-3509

CHECKED BY:
DIV: 7

STD #: N/A
DATE: May 12, 2005



LETTER POSITIONS

Letter spacings are to start of next letter

	I	S	L	A	N	D	F	O	R	D		Series/Size Text Length		
	6.3	2.4	5.5	4	6.1	5.5	4	6	4.8	5.6	5.5	4	6.3	D6 53.5
		B	R	I	D	G	E							D6 27.6
	19.2	5.5	5.5	2.4	5.2	5.5	3.7	19.2						

Spacing Factor is 1 unless specified otherwise

FILENAME: signdesign

NORTH CAROLINA D.O.T. SIGN DETAIL



N. C. DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
TRAFFIC ENGINEERING BRANCH
SIGNING DEPARTMENT

SIGN NUMBER: 302,304
TYPE: D
QUANTITY: 2
SIGN WIDTH: 66"
HEIGHT: 16"
TOTAL AREA: 7.3 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADIUS: 3"
NO. Z BARS:
LENGTH:

BACKG COLOR: Green
COPY COLOR: White

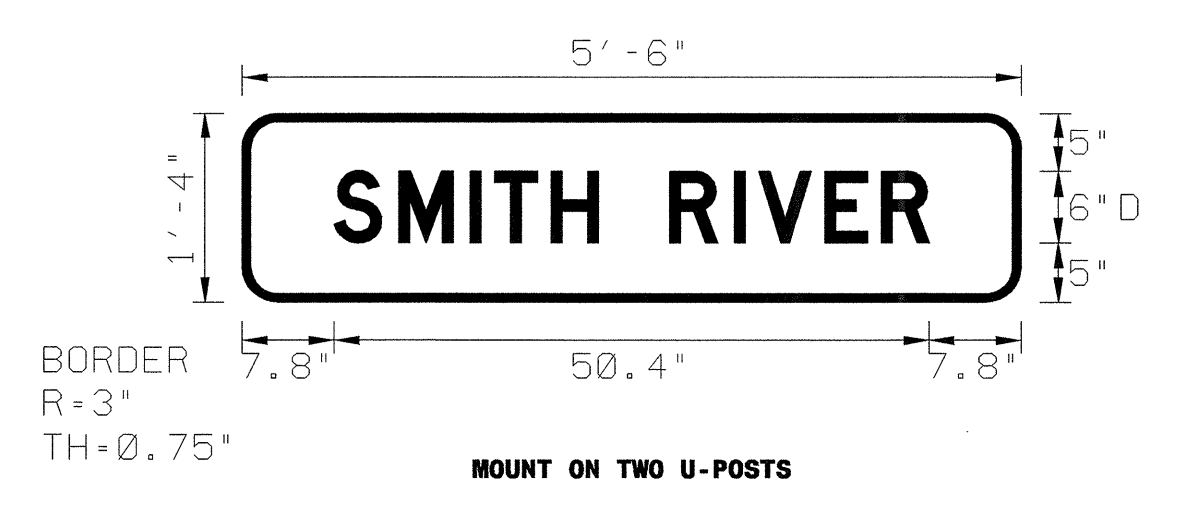
SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: R. HENNEIN
PROJECT ID: B-3509

CHECKED BY:
DIV: 7

STD #: N/A
DATE: May 12, 2005



LETTER POSITIONS

Letter spacings are to start of next letter

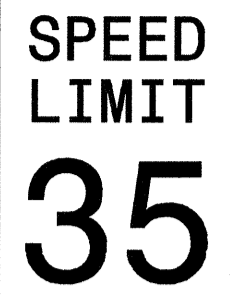
	S	M	I	T	H	R	I	V	E	R		Series/Size Text Length		
	7.8	5.5	6.1	2.1	4.8	4	6	5.5	2.1	5.6	4.8	4	7.8	D6 50.4

Spacing Factor is 1 unless specified otherwise

FILENAME: signdesign

NORTH CAROLINA D.O.T. SIGN DETAIL

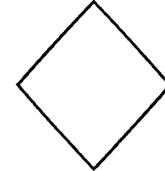
403 QUANTITY REQ'D 1



24 X 30
R2-1

ONE "U" POST PER SIGN

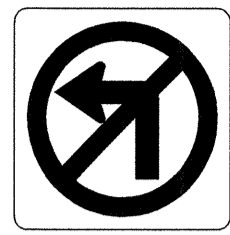
417 QUANTITY REQ'D 3



18 X 18
W23-15

MOUNT BELOW SIGN 416
IN 3 INSTALLATIONS


466 QUANTITY REQ'D 3



24 X 24
R3-2

MOUNT BELOW SIGN 412
IN 3 INSTALLATIONS

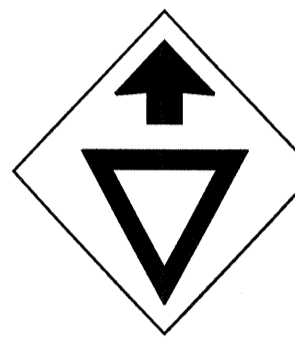
410 QUANTITY REQ'D 3



36 X 24
R5-1a

ONE "U" POST PER SIGN

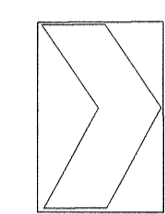
444 QUANTITY REQ'D 1



36 X 36
W3-2a

ONE "U" POST PER SIGN

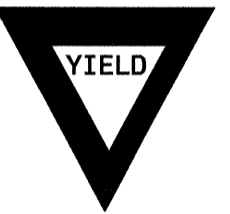
467 QUANTITY REQ'D 3



18 X 24
W1-8

MOUNT BELOW SIGN 413
IN 3 INSTALLATIONS


412 QUANTITY REQ'D 6



36 X 36 X 36
R1-2

ONE "U" POST PER SIGN


461 QUANTITY REQ'D 6



30 X 30
W11-2

ONE "U" POST PER SIGN

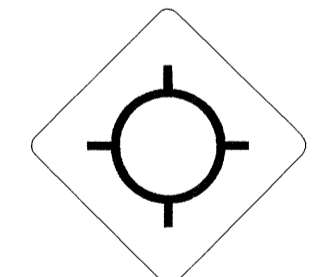
413 QUANTITY REQ'D 3



54 X 18
R6-1 (R)

TWO "U" POSTS PER SIGN

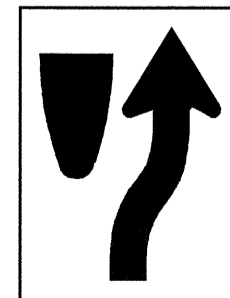
464 QUANTITY REQ'D 3



36 X 36
W2-6

ONE "U" POST PER SIGN

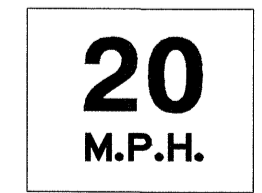
416 QUANTITY REQ'D 3



24 X 30
R4-7

ONE "U" POST PER SIGN

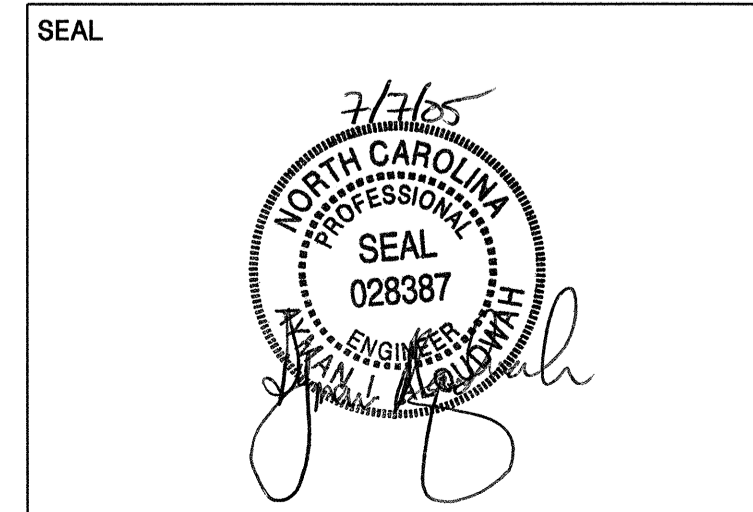
465 QUANTITY REQ'D 3



18 X 18
W13-1

MOUNT BELOW SIGN 464
IN 3 INSTALLATIONS

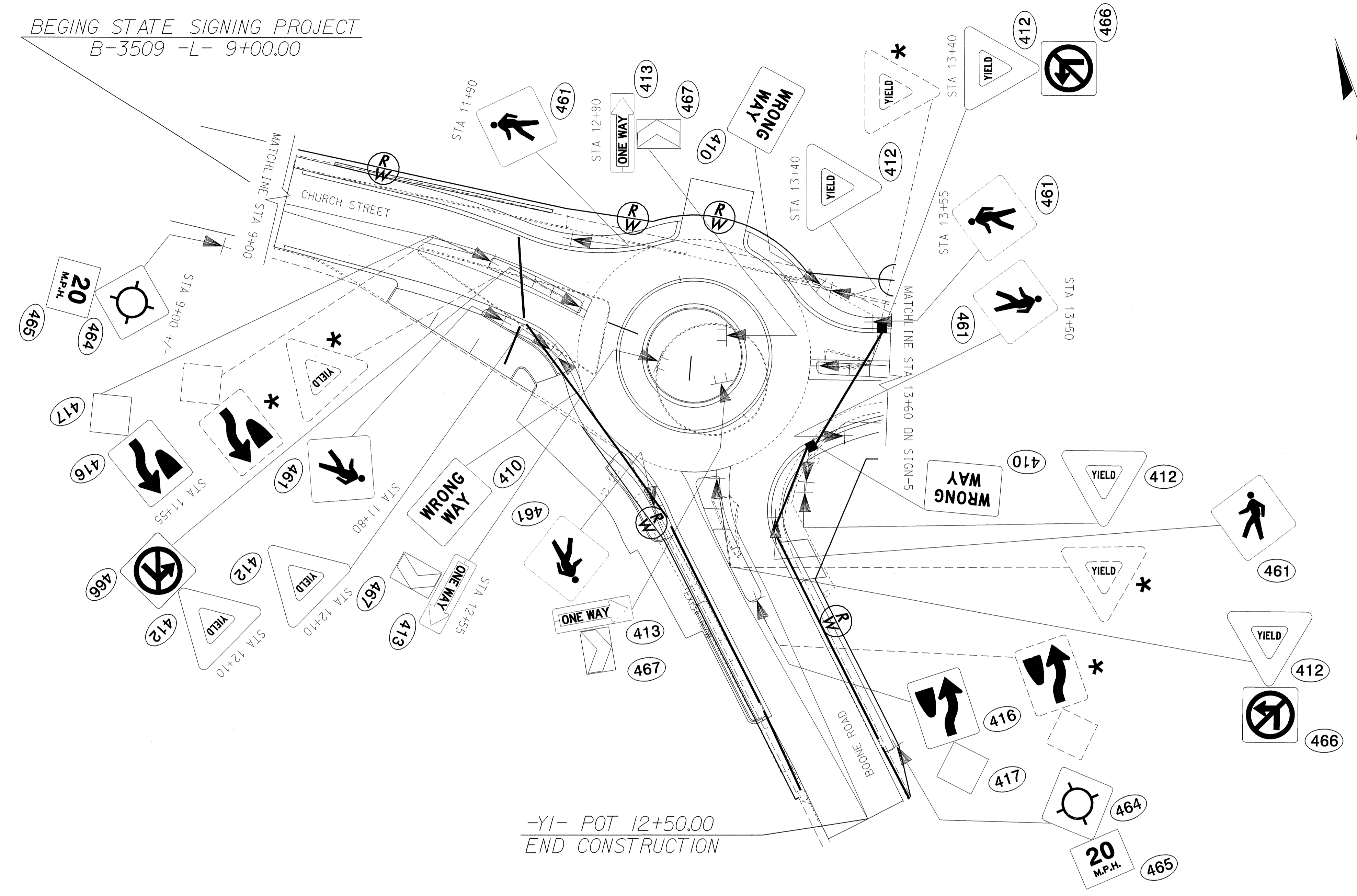
NOTE: THIS DRAWING IS DIMENSIONED
IN INCHES UNLESS OTHERWISE
DEPICTED WITHIN THE DRAWING.



TYPE "E" SIGNS



BEGIN STATE SIGNING PROJECT
B-3509 -L- 9+00.00



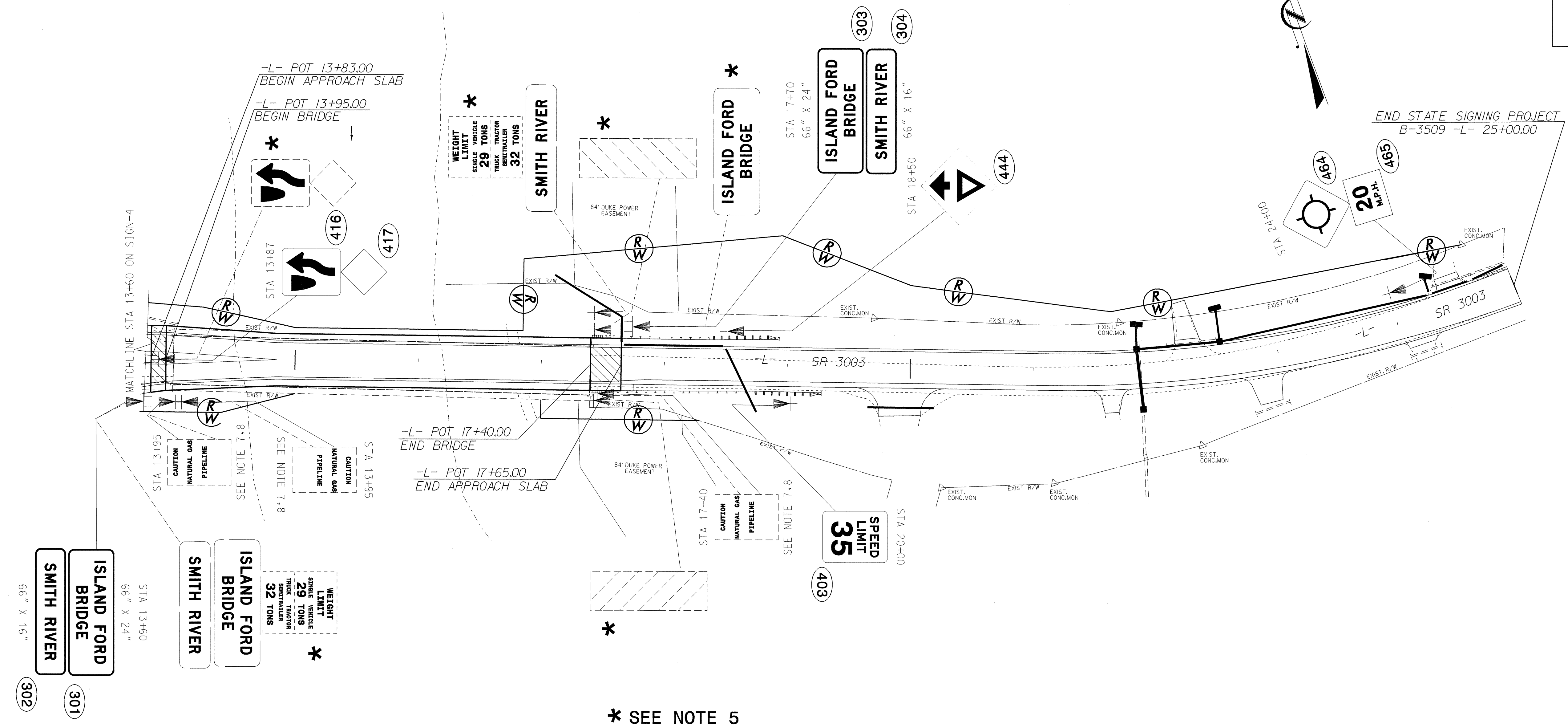
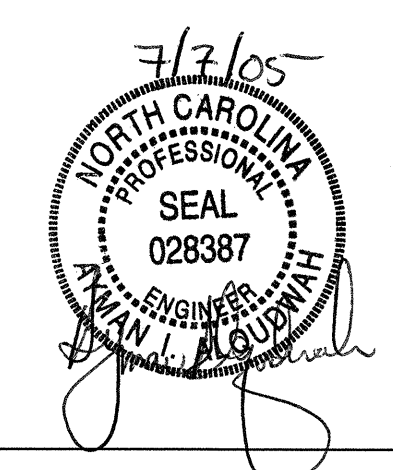
* SEE NOTE 5

WARNING SIGNS PLACEMENT CHART

POSTED OR 85TH PERCENTILE SPEED MPH (KMH)	MUTCD DISTANCE FT (M)	SUGGESTED LOCATION FT (M)	SUGGESTED MAXIMUM FT (M)
30 (50)	450 (140)	475 (145)	575 (175)
35 (55)	550 (170)	575 (175)	675 (205)
40 (65)	650 (200)	675 (205)	775 (235)
45 (70)	750 (230)	775 (235)	875 (270)
50 (80)	850 (260)	875 (270)	975 (300)
55 (90)	950 (290)	975 (300)	1075 (330)
60 (95)	1100 (335)	1125 (345)	1225 (375)
65 (105)	1200 (365)	1225 (375)	1325 (405)
70 (115)	1250 (380)	1275 (390)	1375 (420)

- SEE ROADWAY STANDARD NO. 904.50 FOR MOUNTING OF TYPE 'D', 'E', AND 'F' SIGNS ON 'U' CHANNEL POSTS.
- SEE CHART FOR PLACEMENT OF WARNING SIGNS. DISTANCES SHOWN IN MINIMUM ROAD COLUMNS ARE FOR LEVEL ROADWAYS. MAKE CORRECTIONS FOR GRADES. IF 48-INCH (1219 MM) SIGNS ARE USED, THE LEGIBILITY DISTANCE MAY BE INCREASED TO 200 FEET (61 M). THIS WOULD ALLOW REDUCING THE CHART SPECIFIED DISTANCE BY 75 FEET (23 M).
- IF THE BRIDGE IS OVER A MAJOR STREAM OR RIVER, A SIGN FOR THE NAME OF THE STREAM OR RIVER SHOULD BE INSTALLED AT EACH APPROACH. THESE DESIGNS WILL BE COMPLETED BY THE SIGNING SECTION UPON REQUEST.
- SIGNS FURNISHED BY CONTRACTOR.
- DISPOSAL OF SIGN SYSTEM, U-CHANNEL.
- RELOCATE SIGN, TYPE D, E, OR F.
- DISPOSAL OF SUPPORT, U-CHANNEL.
- RELOCATE SIGN, TYPE E

EXISTING/PROPOSED ROADWAY
SR 3003
STA 9+00 TO 13+60



* SEE NOTE 5

WARNING SIGNS PLACEMENT CHART

POSTED OR 85TH PERCENTILE SPEED MPH (KMH)	MUTCD DISTANCE FT (M)	SUGGESTED LOCATION FT (M)	SUGGESTED MAXIMUM FT (M)
30 (50)	450 (140)	475 (145)	575 (175)
35 (55)	550 (170)	575 (175)	675 (205)
40 (65)	650 (200)	675 (205)	775 (235)
45 (70)	750 (230)	775 (235)	875 (270)
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60 (95)	1100 (335)	1125 (345)	1225 (375)
65 (105)	1200 (365)	1225 (375)	1325 (405)
70 (115)	1250 (380)	1275 (390)	1375 (420)

- SEE ROADWAY STANDARD NO. 904.50 FOR MOUNTING OF TYPE 'D', 'E', AND 'F' SIGNS ON 'U' CHANNEL POSTS.
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- DISPOSAL OF SIGN SYSTEM, U-CHANNEL.
- RELOCATE SIGN, TYPE D, E, OR F.
- DISPOSAL OF SUPPORT, U-CHANNEL.
- RELOCATE SIGN, TYPE E

EXISTING/PROPOSED ROADWAY
 SR 3003
 STA 13+60 TO 25+00