


T.I.P.: B-4059

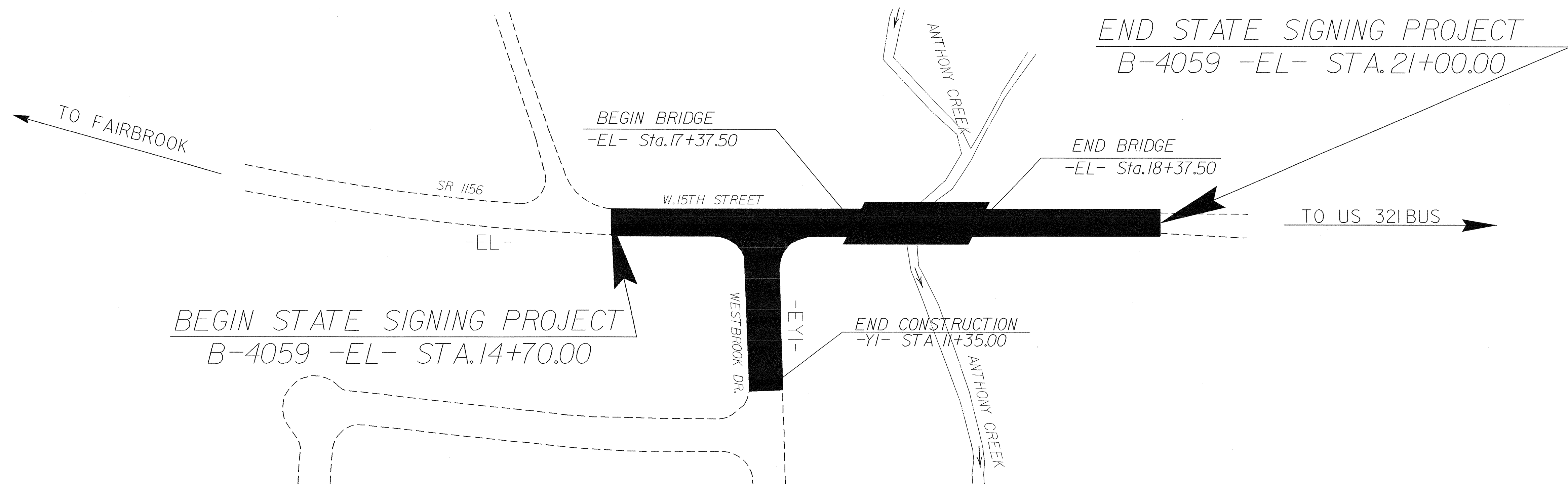
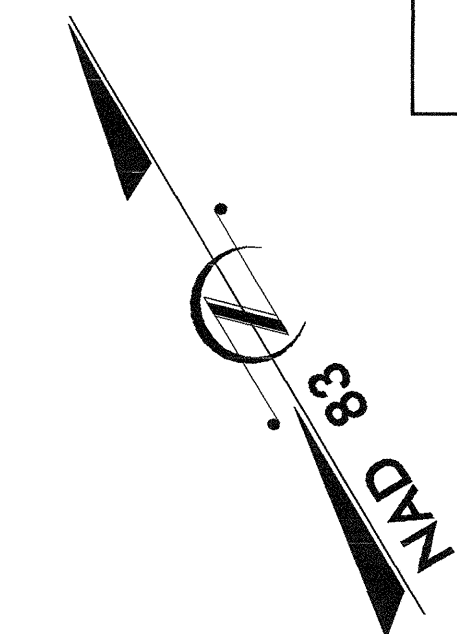
CONTRACT: C201836

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLANS  
CATAWBA COUNTY**

**LOCATION: BRIDGE NO. 79 OVER HILDEBRAN CREEK ON SR 1156 IN NEWTON**

TIP NO. B-4059	SHEET NO. SIGN-1
APPROVED: <i>[Signature]</i>	
DATE: 2/12/08	
SEAL	
	



**SUMMARY OF QUANTITIES**

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN	15.25	S.F.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	46	L.F.
4102000000	904	SIGN ERECTION, TYPE E	2	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE E	3	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	8	EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	1	EA.


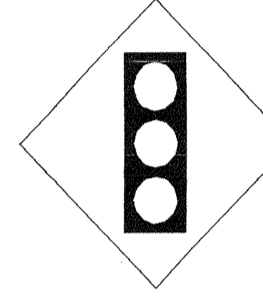
**INDEX**


SHEET NO.	DESCRIPTION
1	<b>TITLE SHEET</b>
2	<b>TYPE "E" SIGNS</b>
3	<b>EXISTING/PROPOSED ROADWAY</b>

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

R. W. KING, PE      SIGNING ENGINEER  
 A. I. ALQUDWAH, PE      SIGNING PROJECT ENGINEER  
 D. M. EATON      SIGNING PROJECT DESIGN ENGINEER  
 R. R. HENNEIN      SIGNING DESIGNER

**ROADWAY STANDARD DRAWINGS  
APPLICABLE TO THESE SIGNING PLANS  
904.10 904.50**

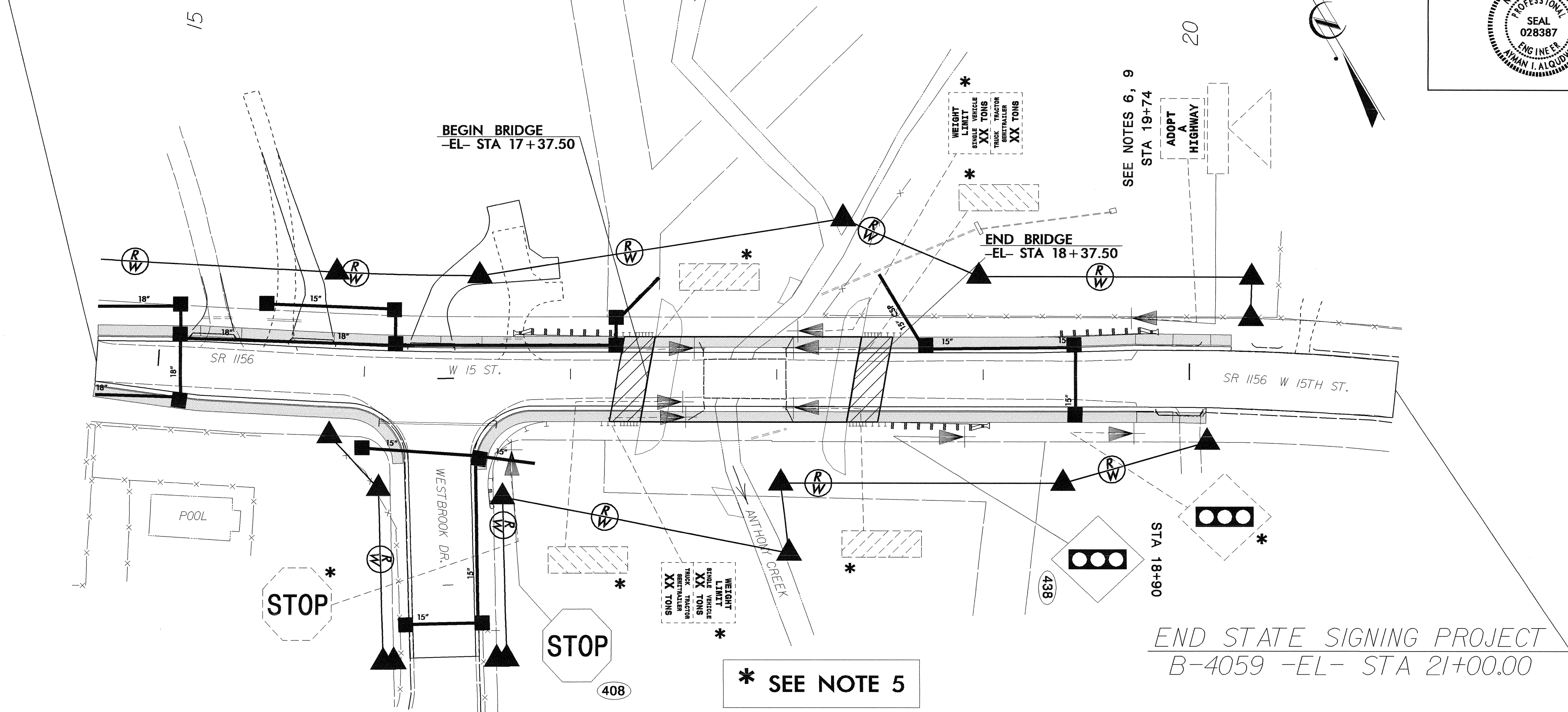
<p>408 QUANTITY REQ'D _1_</p>  <p>30 X 30 R1-1</p> <p>ONE "U" POST PER SIGN</p>					
<p>438 QUANTITY REQ'D _1_</p>  <p>36 X 36 W3-3</p> <p>ONE "U" POST PER SIGN</p>					

TIP NO. B-4059	SHEET NO. SIGN-2
APPROVED: <i>[Signature]</i>	
DATE: 2/2/08	
SEAL	
	

TYPE "E" SIGNS



BEGIN STATE SIGNING PROJECT  
B-4059 -EL- STA 14+70.00



END STATE SIGNING PROJECT  
B-4059 -EL- STA 21+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)

1. SEE ROADWAY STANDARD NO. 904.50 FOR MOUNTING OF TYPE 'D', 'E', AND 'F' SIGNS ON 'U' CHANNEL POSTS.
2. 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).
3. 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.
4. SIGNS FURNISHED BY CONTRACTOR. BACKGROUND SHEETING SHALL BE TYPE III REFLECTIVE SHEETING.
5. DISPOSAL OF SIGN SYSTEM, U-CHANNEL.
6. SIGN ERECTION, RELOCATE SIGN TYPE D, E, OR F.
7. DISPOSAL OF SIGN SYSTEM, WOOD.
8. DISPOSAL OF SIGN, D, E, OR F.
9. DISPOSAL OF SUPPORT, U-CHANNEL.

STA 14+70 TO 21+00  
SR 1156  
EXISTING/PROPOSED ROADWAY