

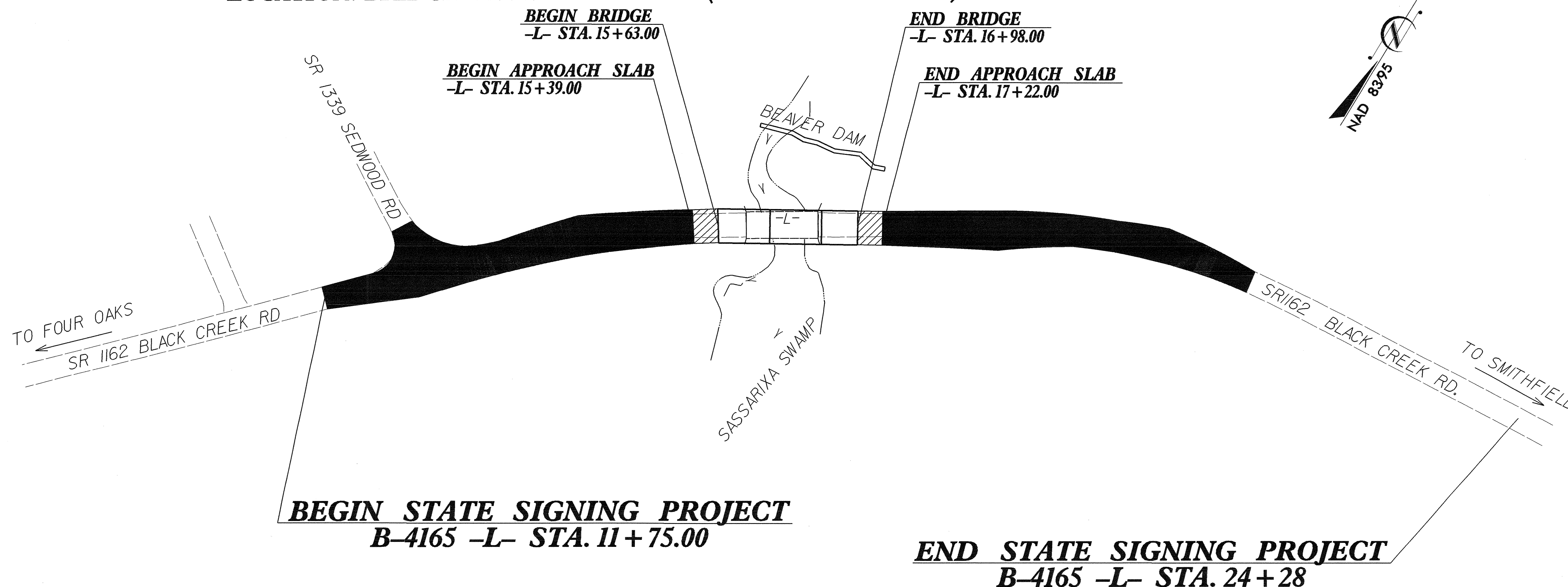
T.I.P.: B-4165

CONTRACT: C201971

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLANS  
JOHNSTON COUNTY**

**LOCATION: BRIDGE NO. 89 ON SR 1162 (BLACK CREEK RD) OVER SASSARIXA SWAMP**



**BEGIN STATE SIGNING PROJECT  
B-4165 -L- STA. 11+75.00**

**END STATE SIGNING PROJECT  
B-4165 -L- STA. 24+28**

**SUMMARY OF QUANTITIES**

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	95	L.F.
4102000000	904	SIGN ERECTION, TYPE E	15	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	13	EA.

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

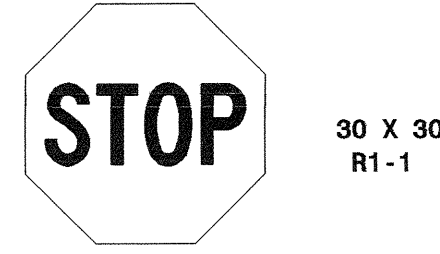

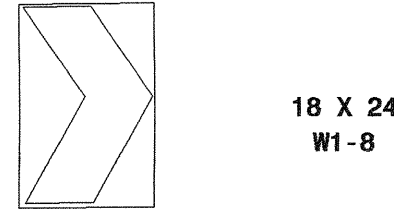
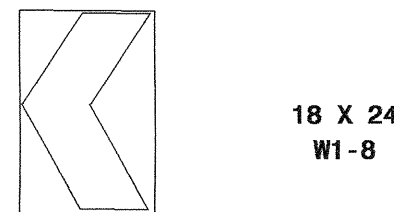
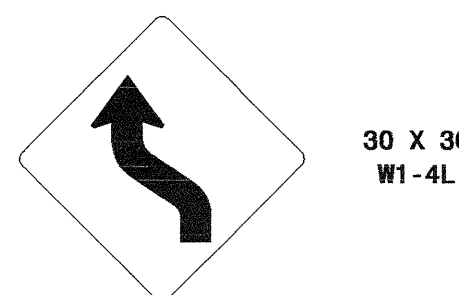
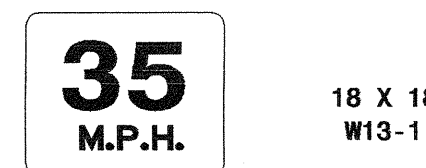
**INDEX**

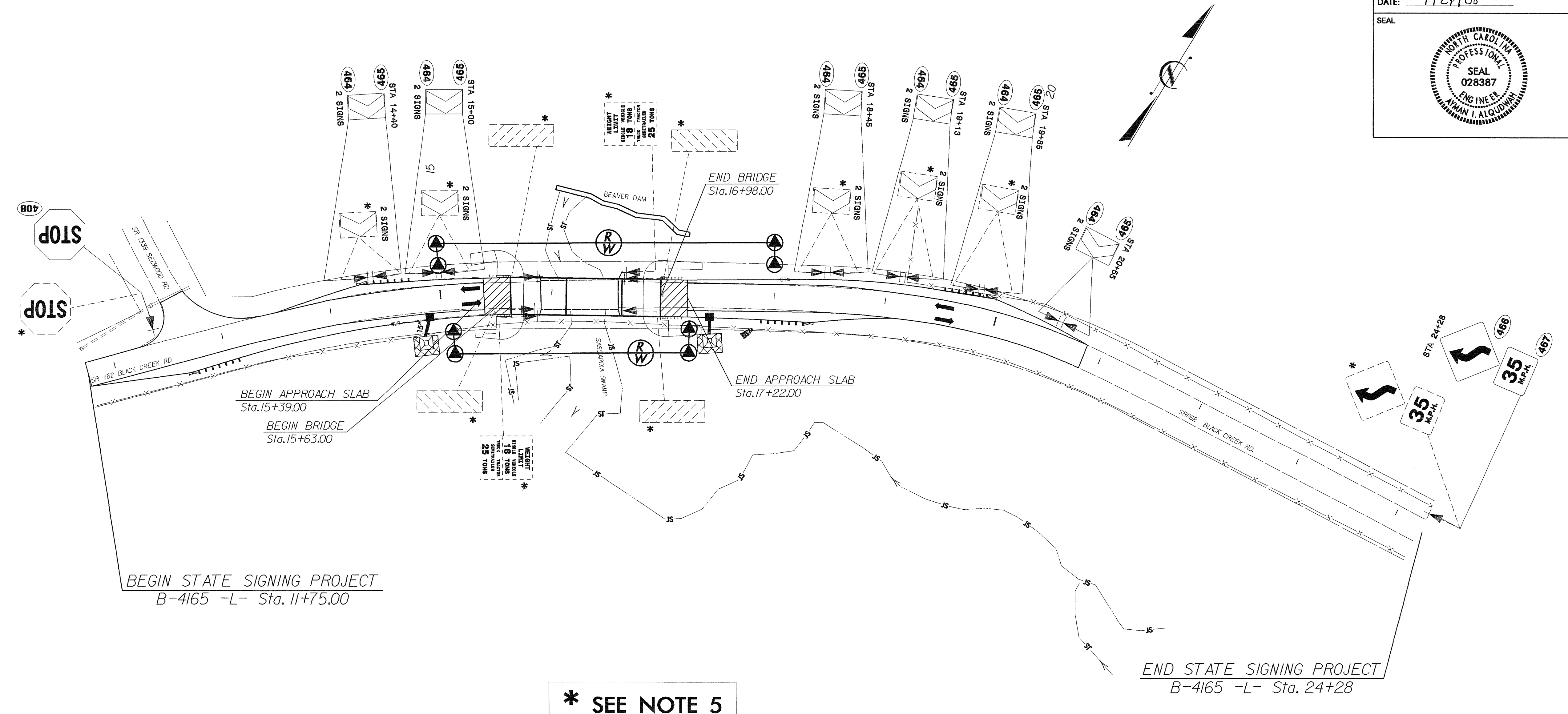
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TYPE "E" SIGNS
3	EXISTING/PROPOSED ROADWAY

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

TIP NO. B-4165	SHEET NO. SIGN-1
APPROVED: <i>[Signature]</i>	
DATE: 7/27/08	
SEAL	

						TIP NO. B-4165	SHEET NO. SIGN-2
<p>408 QUANTITY REQ'D <u>1</u></p>  <p>30 X 30 R1-1</p> <p>ONE "U" POST PER SIGN</p>						<p>APPROVED: <i>Alman I. Alquodhi</i></p> <p>DATE: 7/24/08</p> <p>SEAL</p> 	
<p>464 QUANTITY REQ'D <u>6</u></p>  <p>18 X 24 W1-8</p> <p>ONE "U" POST PER SIGN</p>							
<p>465 QUANTITY REQ'D <u>6</u></p>  <p>18 X 24 W1-8</p> <p>MOUNT BEHIND SIGN 464 IN 6 INSTALLATIONS</p>							
<p>466 QUANTITY REQ'D <u>1</u></p>  <p>30 X 30 W1-4L</p> <p>ONE "U" POST PER SIGN</p>							
<p>467 QUANTITY REQ'D <u>1</u></p>  <p>18 X 18 W13-1</p> <p>MOUNT BELOW SIGN 466 IN 1 INSTALLATION</p>							
						<p><b>TYPE "E" SIGNS</b></p>	



**\* 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 STATE. BACKGROUND SHEETING SHALL BE GRADE C 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 11+75 TO 24+28  
SR 1162/BLACK CREEK RD  
EXISTING/PROPOSED ROADWAY**