

T.I.P.: B-4317

CONTRACT: C201775

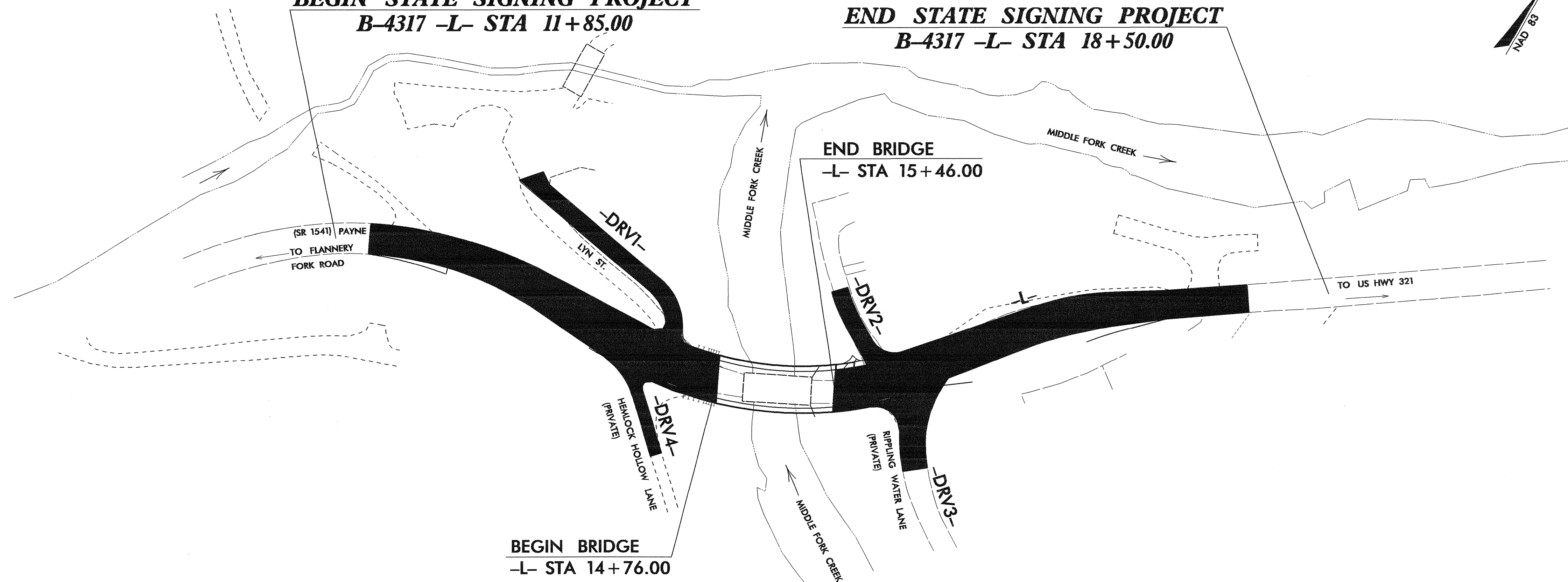
**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLANS
WATAUGA COUNTY**

LOCATION: BRIDGE NO. 16 OVER MIDDLE FORK CREEK ON SR 1541 (PAYNE BRANCH ROAD)

**BEGIN STATE SIGNING PROJECT
B-4317 -L- STA 11+85.00**

**END STATE SIGNING PROJECT
B-4317 -L- STA 18+50.00**



SUMMARY OF QUANTITIES

| ITEM NO. | | ITEM DESCRIPTION | QUANTITY | UNIT |
|------------|-----------|------------------------------------|----------|------|
| DESC. NO. | SECT. NO. | | | |
| 4025000000 | 901 | CONTRACTOR FURNISHED, TYPE E SIGN | 6.25 | S.F. |
| 4072000000 | 903 | SUPPORTS, 3 LB STEEL U-CHANNEL | 14 | L.F. |
| 4102000000 | 904 | SIGN ERECTION, TYPE E | 1 | EA. |
| 4155000000 | 907 | DISPOSAL OF SIGN SYSTEM, U-CHANNEL | 7 | EA. |
| 4158000000 | 907 | DISPOSAL OF SIGN SYSTEM, WOOD | 2 | EA. |

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

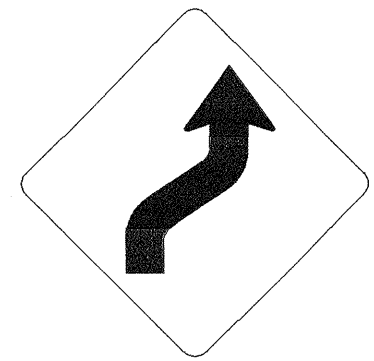



PLAN PREPARED BY: N.C.D.O.T. SIGNING SECTION

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-4317 | SHEET NO. SIGN-1 |
| APPROVED: <i>[Signature]</i> | |
| DATE: 11/6/07 | |
| SEAL | |
| | |

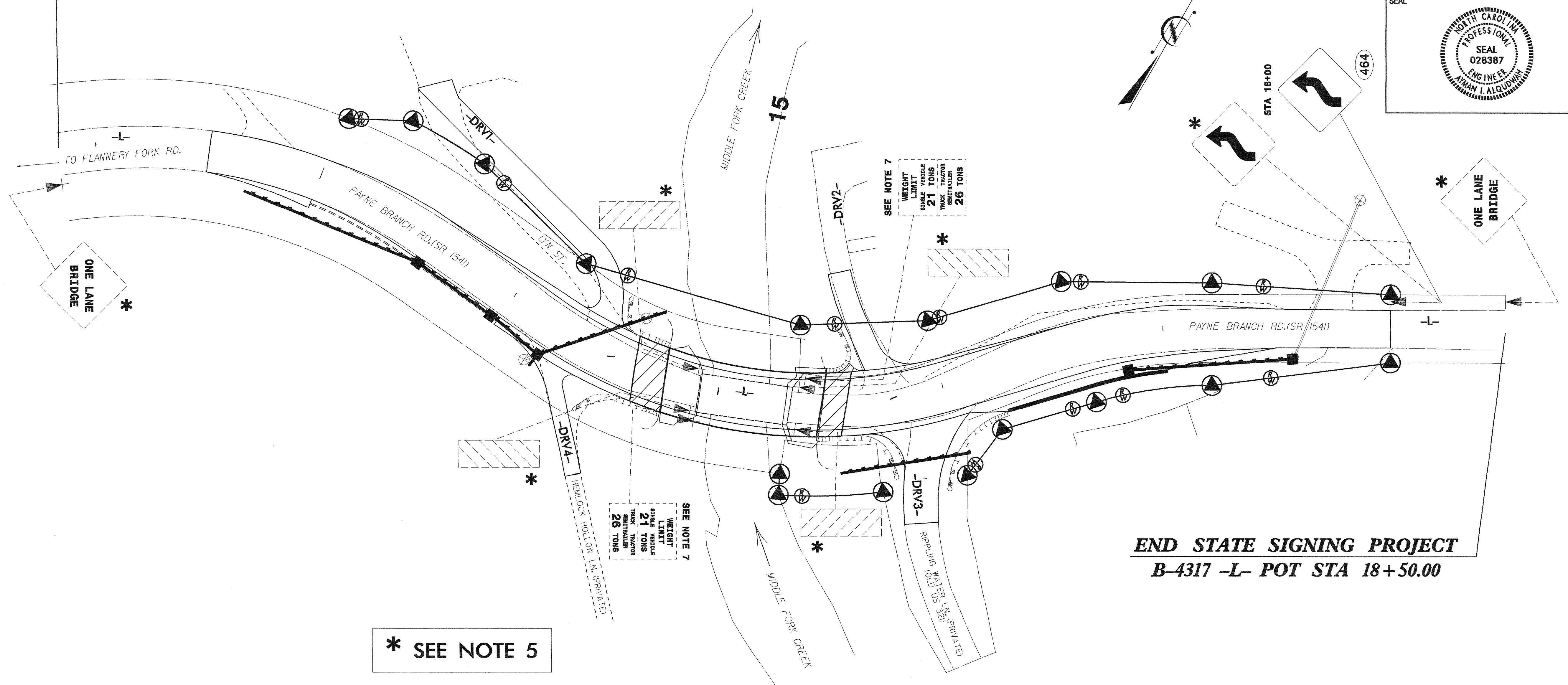
INDEX

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

| | | | | | | | | | | | | | | | | |
|--|---------------------|--|--|--|--|--|-------------------|---------------------|------------------------------|--|---------------|--|------|--|---|--|
| <p>464 QUANTITY REQ'D <u> 1 </u></p>  <p>30 X 30 W1-4R</p> <p>ONE "U" POST PER SIGN</p> | | | | | | <table border="1"> <tr> <td>TIP NO. B-4317</td> <td>SHEET NO. SIGN-2</td> </tr> <tr> <td colspan="2">APPROVED: <i>[Signature]</i></td> </tr> <tr> <td colspan="2">DATE: 11/6/07</td> </tr> <tr> <td colspan="2">SEAL</td> </tr> <tr> <td colspan="2">  </td> </tr> </table> | TIP NO. B-4317 | SHEET NO. SIGN-2 | APPROVED: <i>[Signature]</i> | | DATE: 11/6/07 | | SEAL | |  | |
| TIP NO. B-4317 | SHEET NO. SIGN-2 | | | | | | | | | | | | | | | |
| APPROVED: <i>[Signature]</i> | | | | | | | | | | | | | | | | |
| DATE: 11/6/07 | | | | | | | | | | | | | | | | |
| SEAL | | | | | | | | | | | | | | | | |
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| | | | | | | <p style="text-align: center; font-weight: bold;">TYPE "E" SIGNS</p> | | | | | | | | | | |

BEGIN STATE SIGNING PROJECT
B-4317 -L- POC STA 11+85.00

| | |
|------------------------------|---------------------|
| TIP NO. B-4317 | SHEET NO. SIGN-3 |
| APPROVED: <i>[Signature]</i> | |
| DATE: 11/6/07 | |
| SEAL | |



END STATE SIGNING PROJECT
B-4317 -L- POT STA 18+50.00

*** 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 11+85 TO 18+50
 SR 1541
 EXISTING/PROPOSED ROADWAY