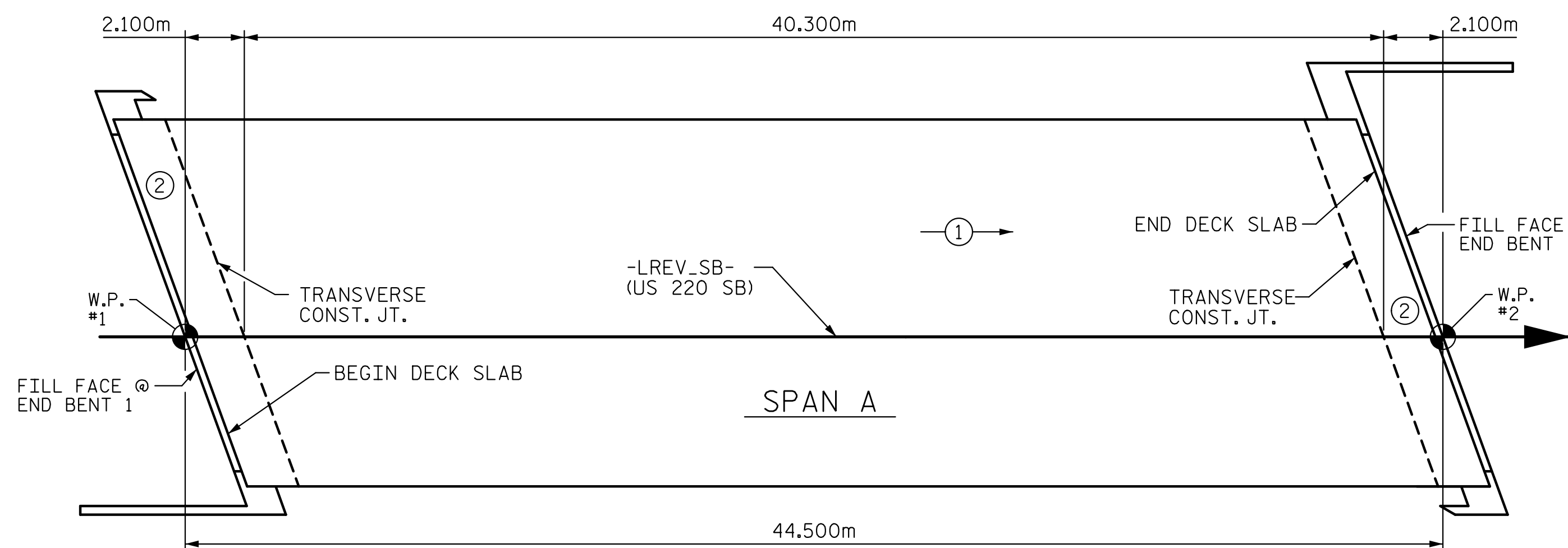


LAYOUT FOR COMPUTING AREA  
REINFORCED CONCRETE DECK SLAB  
(SQ. M = 571.1)



POURING SEQUENCE

① DENOTES POUR NUMBER AND DIRECTION

| SUPERSTRUCTURE BILL OF MATERIAL |                   |      |       |                   |                                |
|---------------------------------|-------------------|------|-------|-------------------|--------------------------------|
| POUR NO.                        | CLASS AA CONCRETE |      |       | REINFORCING STEEL | EPOXY COATED REINFORCING STEEL |
|                                 | #1                | #2   | TOTAL | (kg)              | (kg)                           |
| DECK                            | 136.5             | 74.5 | 211.0 | 9292              | 8617                           |
| TOTALS**                        | 136.5             | 74.5 | 211.0 | 9292              | 8617                           |

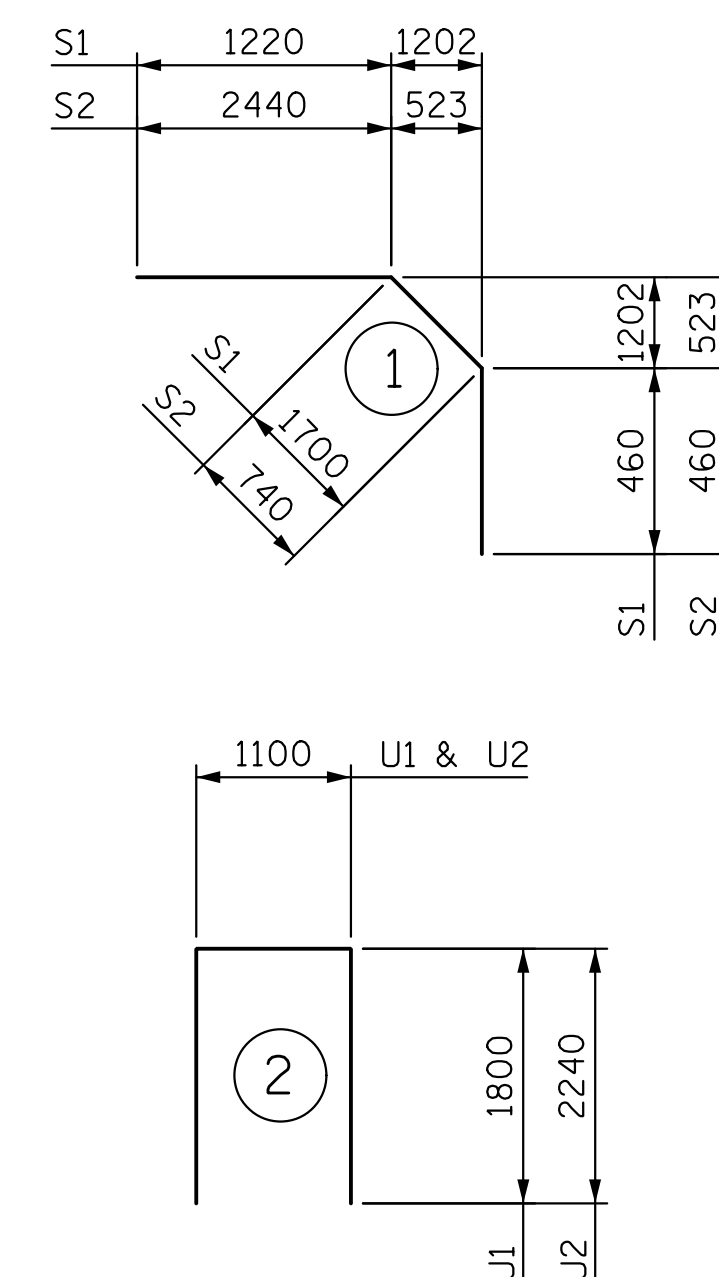
\*\* QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED.

| GROOVING BRIDGE FLOORS |                |
|------------------------|----------------|
| APPROACH SLABS         | 163.1 SQ.METER |
| BRIDGE DECK            | 486.2 SQ.METER |
| TOTAL                  | 649.3 SQ.METER |

REINFORCING BAR SCHEDULE

| BAR                              | NO. | SIZE | TYPE | LENGTH | WEIGHT | BAR  | NO. | SIZE | TYPE | LENGTH | WEIGHT |      |
|----------------------------------|-----|------|------|--------|--------|------|-----|------|------|--------|--------|------|
| * A1                             | 207 | #16  | STR  | 12880  | 4138   | * B1 | 130 | #19  | STR  | 8900   | 2586   |      |
| A2                               | 207 | #16  | STR  | 12880  | 4138   | * B2 | 140 | #13  | STR  | 7280   | 1013   |      |
|                                  |     |      |      |        |        | B3   | 68  | #19  | STR  | 8900   | 1353   |      |
| * A101                           | 2   | #16  | STR  | 12400  | 38     | B4   | 68  | #16  | STR  | 14040  | 1482   |      |
| * A102                           | 2   | #16  | STR  | 11880  | 37     |      |     |      |      |        |        |      |
| * A103                           | 2   | #16  | STR  | 11360  | 35     | H1   | 9   | #16  | STR  | 1720   | 24     |      |
| * A104                           | 2   | #16  | STR  | 10840  | 34     | H2   | 9   | #16  | STR  | 1600   | 22     |      |
| * A105                           | 2   | #16  | STR  | 10320  | 32     | H3   | 14  | #19  | STR  | 4720   | 148    |      |
| * A106                           | 2   | #16  | STR  | 9780   | 30     | H4   | 14  | #19  | STR  | 4780   | 150    |      |
| * A107                           | 2   | #16  | STR  | 9260   | 29     | H5   | 8   | #16  | STR  | 1980   | 25     |      |
| * A108                           | 2   | #16  | STR  | 8740   | 27     | H6   | 8   | #16  | STR  | 1840   | 23     |      |
| * A109                           | 2   | #16  | STR  | 8220   | 26     | H7   | 15  | #19  | STR  | 4300   | 144    |      |
| * A110                           | 2   | #16  | STR  | 7700   | 24     | H8   | 15  | #19  | STR  | 4340   | 146    |      |
| * A111                           | 2   | #16  | STR  | 7180   | 22     |      |     |      |      |        |        |      |
| * A112                           | 2   | #16  | STR  | 6660   | 21     | K1   | 28  | #13  | STR  | 8300   | 231    |      |
| * A113                           | 2   | #16  | STR  | 6140   | 19     | K2   | 8   | #13  | STR  | 2000   | 16     |      |
| * A114                           | 2   | #16  | STR  | 5620   | 17     | K3   | 40  | #13  | STR  | 2520   | 100    |      |
| * A115                           | 2   | #16  | STR  | 5100   | 16     | K4   | 8   | #13  | STR  | 1540   | 12     |      |
| * A116                           | 2   | #16  | STR  | 4560   | 14     | K5   | 4   | #13  | STR  | 1860   | 7      |      |
| * A117                           | 2   | #16  | STR  | 4040   | 13     | K6   | 20  | #13  | STR  | 2120   | 42     |      |
| * A118                           | 2   | #16  | STR  | 3520   | 11     | K7   | 4   | #13  | STR  | 1640   | 7      |      |
| * A119                           | 2   | #16  | STR  | 3000   | 9      | K8   | 24  | #13  | STR  | 940    | 22     |      |
| * A120                           | 2   | #16  | STR  | 2480   | 8      |      |     |      |      |        |        |      |
| * A121                           | 2   | #16  | STR  | 1960   | 6      | * S1 | 56  | #13  | 1    | 3380   | 188    |      |
| * A122                           | 2   | #16  | STR  | 1440   | 4      | * S2 | 60  | #13  | 1    | 3640   | 217    |      |
| * A123                           | 2   | #16  | STR  | 920    | 3      |      |     |      |      |        |        |      |
|                                  |     |      |      |        |        | U1   | 60  | #13  | 2    | 4700   | 280    |      |
|                                  |     |      |      |        |        | U2   | 12  | #13  | 2    | 5580   | 67     |      |
| A201                             | 2   | #16  | STR  | 12400  | 38     |      |     |      |      |        |        |      |
| A202                             | 2   | #16  | STR  | 11880  | 37     |      |     |      |      |        |        |      |
| A203                             | 2   | #16  | STR  | 11360  | 35     | V3   | 76  | #16  | STR  | 2240   | 264    |      |
| A204                             | 2   | #16  | STR  | 10840  | 34     |      |     |      |      |        |        |      |
| A205                             | 2   | #16  | STR  | 10320  | 32     |      |     |      |      |        |        |      |
| A206                             | 2   | #16  | STR  | 9780   | 30     |      |     |      |      |        |        |      |
| A207                             | 2   | #16  | STR  | 9260   | 29     |      |     |      |      |        |        |      |
| A208                             | 2   | #16  | STR  | 8740   | 27     |      |     |      |      |        |        |      |
| A209                             | 2   | #16  | STR  | 8220   | 26     |      |     |      |      |        |        |      |
| A210                             | 2   | #16  | STR  | 7700   | 24     |      |     |      |      |        |        |      |
| A211                             | 2   | #16  | STR  | 7180   | 22     |      |     |      |      |        |        |      |
| A212                             | 2   | #16  | STR  | 6660   | 21     |      |     |      |      |        |        |      |
| A213                             | 2   | #16  | STR  | 6140   | 19     |      |     |      |      |        |        |      |
| A214                             | 2   | #16  | STR  | 5620   | 17     |      |     |      |      |        |        |      |
| A215                             | 2   | #16  | STR  | 5100   | 16     |      |     |      |      |        |        |      |
| A216                             | 2   | #16  | STR  | 4560   | 14     |      |     |      |      |        |        |      |
| A217                             | 2   | #16  | STR  | 4040   | 13     |      |     |      |      |        |        |      |
| A218                             | 2   | #16  | STR  | 3520   | 11     |      |     |      |      |        |        |      |
| A219                             | 2   | #16  | STR  | 3000   | 9      |      |     |      |      |        |        |      |
| A220                             | 2   | #16  | STR  | 2480   | 8      |      |     |      |      |        |        |      |
| A221                             | 2   | #16  | STR  | 1960   | 6      |      |     |      |      |        |        |      |
| A222                             | 2   | #16  | STR  | 1440   | 4      |      |     |      |      |        |        |      |
| A223                             | 2   | #16  | STR  | 920    | 3      |      |     |      |      |        |        |      |
| REINFORCING STEEL                |     |      |      |        |        |      |     |      |      |        | kg     | 9236 |
| * EPOXY COATED REINFORCING STEEL |     |      |      |        |        |      |     |      |      |        | kg     | 8617 |

BAR TYPES

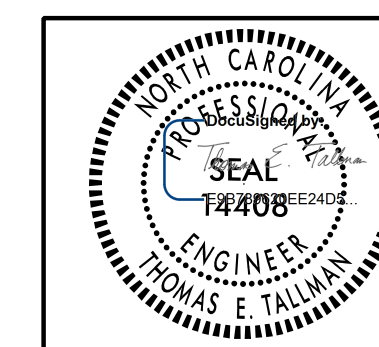
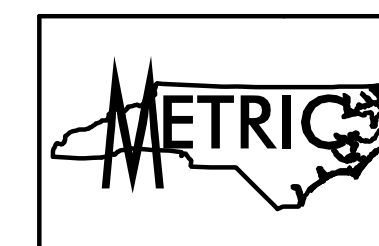


ALL BAR DIMENSIONS ARE OUT TO OUT

PROJECT NO. R-2413CA  
ROCKINGHAM COUNTY  
STATION: 90+64.493 -LREV\_SB-

SUPERSTRUCTURE REINFORCING STEEL LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS

| BAR SIZE | SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPET, AND BARRIER RAIL |          | APPROACH SLABS |          | PARAPET AND BARRIER RAIL |
|----------|---|----------|----------------|----------|--------------------------|
|          | EPOXY COATED  | UNCOATED | EPOXY COATED   | UNCOATED |                          |
| #13      | 610   | 540      | 610            | 540      | 840                      |
| #16      | 770   | 660      | 770            | 660      | 1050                     |
| #19      | 920   | 790      | 1190           | 790      | 1330                     |
| #22      | 1580  | 1060     |                |          |                          |
| #25      | 2080  | 1390     |                |          |                          |



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

STANDARD  
SUPERSTRUCTURE  
BILL OF MATERIAL

REVISIONS

| NO. | BY: | DATE: | NO. | BY: | DATE: |
|-----|-----|-------|-----|-----|-------|
| 1   |     |       | 3   |     |       |
| 2   |     |       | 4   |     |       |

SHEET NO.  
S01-19  
TOTAL SHEETS  
28

ASSEMBLED BY : D. H. CARTER DATE : FEB 2015  
CHECKED BY : T. E. TALLMAN DATE : FEB 2015  
DRAWN BY : JMB 5/87 REV. 5/16/97 EEM/RGW  
CHECKED BY : SJD 9/87 REV. 5/1/06 TLA/GM

