

|  | BI   | LL O  | F MA  | ATERIAL  |  |         |
|--|--|---|---|--|--|---------|
| API  | PR. 5  | SLAB  | @ E   | B1-STA   | GE I   |         |
| BAR  | NO.  | SIZE  | TYPE  | LENGTH   | WEIGHT   |         |
| <b>*</b> ∆1  | 52   | #4  | STR   | 28'-2"   | 978  |         |
| Α2   | 52   | #4  | STR   | 27'-11"  | 970  |         |
|  |  |   |   |  |  |         |
| * B1   | 94   | #5  | STR   | 24'-2"   | 2369   | °<br>©  |
| B2   | 94   | #6  | STR   | 24'-8"   | 3483   | ω       |
| * B11  | 6  | #4  | STR   | 24'-8"<br>23'-6"   | 99   |         |
| <u>₩ B12</u>   | 3  | #4  | STR   | 23 -6  | 47   |         |
| * G1   | 25   | #4  | STR   | 5′-8″  | 95   | all Bar |
| * G2   | 17   | #4  | STR   | 2'-11"   | 33   | ALL DAN |
| <del>Л 02</del>  | 1 1  | 7   | 3110  | 2 11   | 0.0  |         |
| * U1   | 8  | #4  | 7   | 3'-4"  | 18   |         |
|  | NFORG  | CING S  | TEEL  |  | ,452 LBS.  | S       |
| * EP(  | XY CO  | DATED   |   |  |  |         |
|  |  | CING S  | TEEL  | 3  | ,639 LBS.  | B<br>S: |
|  | CLAS   | S AA (  | CONCRE  | TE BREAK   | NWOC   |         |
|  |  | ROACH   |   |  | 51.1 C.Y.  |         |
| POUR   | 2:SID  | EWALK,  | MEDIA   | 7 N  | 4.5 C.Y.   | #       |
| STAGE  | I CL   | ASS A   | CONC  | CRETE  | 55.6 C.Y.  |         |
|  |  |   |   |  | <u> </u>   |         |
| APH  | $^{\prime}$ R $^{\prime}$  | $\sqcap$ $\land$ $\sqcap$   | (a)   | 1)1 ( 1 // /   |  |         |
|  |  |   | 1   |  | GE II  |         |
| BAR  | NO.  | SIZE  | TYPE  | LENGTH   | WEIGHT   |         |
| <b>*</b> ∆3  | NO.<br>52  | SIZE<br>#4  | TYPE<br>STR                                   | LENGTH<br>24'-9"   | WEIGHT<br>860  |         |
|  | NO.  | SIZE  | TYPE  | LENGTH   | WEIGHT   |         |
| * A3   | NO.<br>52<br>52  | *4<br>#4  | TYPE<br>STR<br>STR                            | LENGTH<br>24'-9"<br>24'-7"   | WEIGHT<br>860<br>854   |         |
| * A3<br>A4<br>* B1   | NO. 52 52 86   | *4<br>*4<br>*5  | TYPE<br>STR<br>STR                            | LENGTH<br>24'-9"<br>24'-7"<br>24'-2"   | WEIGHT<br>860<br>854<br>2168   |         |
| * A3<br>A4<br>* B1<br>B2                                       | NO. 52 52 86 86  | *4<br>#4  | TYPE<br>STR<br>STR<br>STR<br>STR              | LENGTH 24'-9" 24'-7" 24'-2" 24'-8"   | WEIGHT<br>860<br>854   |         |
| * A3<br>A4<br>* B1   | NO. 52 52 86   | #4<br>#4<br>#5<br>#6  | TYPE<br>STR<br>STR                            | LENGTH<br>24'-9"<br>24'-7"<br>24'-2"   | WEIGHT<br>860<br>854<br>2168<br>3186   |         |
| * A3<br>A4<br>* B1<br>B2                                       | NO. 52 52 86 86  | #4<br>#4<br>#5<br>#6  | TYPE<br>STR<br>STR<br>STR<br>STR              | LENGTH 24'-9" 24'-7" 24'-2" 24'-8"   | WEIGHT<br>860<br>854<br>2168<br>3186   |         |
| * A3<br>A4<br>* B1<br>B2<br>* B11                              | NO. 52 52 86 86 6  | #4<br>#4<br>#5<br>#6<br>#4  | TYPE STR STR STR STR STR                      | LENGTH 24'-9" 24'-7" 24'-2" 24'-8" 24'-8"                                    | WEIGHT<br>860<br>854<br>2168<br>3186<br>99                                     |         |
| * A3<br>A4<br>* B1<br>B2<br>* B11                              | NO. 52 52 86 86 6  | #4<br>#4<br>#5<br>#6<br>#4  | TYPE STR STR STR STR STR                      | LENGTH 24'-9" 24'-7" 24'-2" 24'-8" 24'-8"                                    | WEIGHT<br>860<br>854<br>2168<br>3186<br>99                                     |         |
| * A3<br>A4<br>* B1<br>B2<br>* B11<br>* G1                      | NO. 52 52 86 86 6  | #4<br>#4<br>#5<br>#6<br>#4  | TYPE STR STR STR STR STR                      | LENGTH 24'-9" 24'-7" 24'-2" 24'-8" 24'-8" 5'-8"                              | WEIGHT<br>860<br>854<br>2168<br>3186<br>99                                     |         |
| * A3<br>A4<br>* B1<br>B2<br>* B11<br>* G1<br>* U1              | NO. 52 52 86 86 6 25 8   | #4<br>#4<br>#5<br>#6<br>#4  | STR STR STR STR STR STR STR                   | LENGTH 24'-9" 24'-7" 24'-2" 24'-8" 24'-8" 3'-4"                              | WEIGHT<br>860<br>854<br>2168<br>3186<br>99                                     |         |
| * A3 A4  * B1 B2 * B11  * G1  * U1                             | NO. 52 52 86 86 6 25 8 NFORG   | #4<br>#4<br>#5<br>#6<br>#4<br>#4<br>CING S                                    | TYPE STR STR STR STR STR STR TEEL             | LENGTH 24'-9" 24'-7"  24'-2" 24'-8" 24'-8"  5'-8"  3'-4"                     | WEIGHT<br>860<br>854<br>2168<br>3186<br>99<br>95<br>18                         |         |
| * A3 A4  * B1 B2 * B11  * G1  * U1  RE1 * EPC                  | NO. 52 52 86 86 6 25 8 NFORG   | #4<br>#4<br>#5<br>#6<br>#4<br>#4<br>#4<br>CING S                              | TYPE STR STR STR STR STR STR TEEL             | LENGTH 24'-9" 24'-7" 24'-2" 24'-8" 24'-8"  5'-8"  4, 3                       | WEIGHT  860  854  2168  3186  99  95  18  .040 LBS.                            |         |
| * A3 A4  * B1 B2 * B11  * G1  * U1  REI REI                    | NO. 52 52 86 86 6 25 8 NF OR CONFORC   | #4<br>#4<br>#5<br>#6<br>#4<br>#4<br>#4<br>CING S                              | TYPE STR STR STR STR STR TEEL CONCRE          | LENGTH 24'-9" 24'-7"  24'-2" 24'-8" 24'-8"  5'-8"  3'-4"                     | WEIGHT  860  854  2168  3186  99  95  18  .040 LBS.                            |         |
| * A3 A4  * B1 B2 * B11  * G1  * U1  * EPC REJ                  | NO. 52 52 86 86 6 25 8 NFORCONFORCONFORCO  | #4<br>#4<br>#5<br>#6<br>#4<br>#4<br>#4<br>CING S<br>DATED<br>CING S           | TYPE STR STR STR STR STR TEEL CONCRE          | LENGTH 24'-9" 24'-7" 24'-2" 24'-8" 24'-8"  5'-8"  4, 3                       | WEIGHT  860  854  2168  3186  99  95  18  040 LBS.                             |         |
| * A3 A4  * B1 B2 * B11  * G1  * U1  REI  * EPC REI  POUR POUR  | NO. 52 52 86 86 6 25 8 NFORG OXY CG OXY CG OXY CG OXY CG OXY CC OXY CG O | #4<br>#4<br>#5<br>#6<br>#4<br>#4<br>#4<br>CING S<br>DATED<br>CING S<br>CING S | TYPE STR STR STR STR STR TEEL CONCRE SLAB     | LENGTH 24'-9" 24'-7" 24'-2" 24'-8" 24'-8"  5'-8"  4, 3                       | WEIGHT  860  854  2168  3186  99  95  18  040 LBS.  00WN  46.9 C.Y.            |         |
| * A3 A4  * B1 B2 * B11  * G1  * U1  * EPC REI  POUR POUR STAGE | NO. 52 52 86 86 86 6 25 8 NFORCONFOR | #4<br>#4<br>#5<br>#6<br>#4<br>#4<br>#4<br>CING S<br>DATED<br>CING S<br>CING S | TYPE STR STR STR STR STR STR TEEL CONCRE SLAB | LENGTH  24'-9"  24'-7"  24'-2"  24'-8"  24'-8"  5'-8"  4,  3'-4"  ARE BREAKE | WEIGHT  860  854  2168  3186  99  95  18  ,040 LBS.  00WN  46.9 C.Y.  3.1 C.Y. |         |

|                                | APF          | PR. S | SLAB   | @ E  | B2-STA  | AGE I     |
|--------------------------------|--------------|-------|--------|------|---------|-----------|
|                                | BAR          | NO.   | SIZE   | TYPE | LENGTH  | WEIGHT    |
| 2'-0"                          | * A1         | 52    | #4     | STR  | 28'-2"  | 978       |
|                                | Α2           | 52    | #4     | STR  | 27'-11" | 970       |
|                                |              |       |        |      |         |           |
|                                | <b>∗</b> B1  | 94    | #5     | STR  | 24'-2"  | 2369      |
| $\tilde{\omega}$ $7$           | B2           | 94    | #6     | STR  | 24'-8"  | 3483      |
| <u>•</u>                       | <b>*</b> B11 | 6     | #4     | STR  | 24'-8"  | 99        |
|                                | B12          | 3     | #4     | STR  | 23′-6″  | 47        |
|                                |              |       |        |      |         |           |
| BAR DIMENSIONS ARE OUT TO OUT. | <b>★</b> G1  | 25    | #4     | STR  | 5′-8″   | 95        |
|                                | * G2         | 17    | #4     | STR  | 2'-11"  | 33        |
|                                |              |       |        |      |         |           |
|                                | * U1         | 8     | #4     | 7    | 3'-4"   | 18        |
| SPLICE LENGTHS                 | RE]          | NFOR  | CING S | TEEL | 4       | ,452 LBS. |
|                                | * FPC        | XY C  | DATED  |      |         |           |

| E | NGTHS    | REINFURCING STEEL                   |
|---|----------|-------------------------------------|
| , | UNCOATED | * EPOXY COATED<br>REINFORCING STEEL |
|   |          | CLASS AA CONCRETE BF                |
| / | 1'-7"    | POUR 1: APPROACH SLAB               |
|   | 2'-0"    | POUR 2: SIDEWALK, MEDIAN            |
|   |          | STAGE I CLASS AA CONCRETE           |
|   | 2'-5"    |                                     |
|   |          | APPR. SLAB @ FB2-S                  |

BAR TYPE

EPOXY COATED

#6 3'-7"

| APPR.SLAB @ EB2-STAGE II |                              |      |      |        |        |  |  |  |  |
|--------------------------|------------------------------|------|------|--------|--------|--|--|--|--|
| BAR                      | NO.                          | SIZE | TYPE | LENGTH | WEIGHT |  |  |  |  |
| <b>*</b> ∆3              | 52                           | #4   | STR  | 24'-9" | 860    |  |  |  |  |
| Α4                       | 52                           | #4   | STR  | 24'-7" | 854    |  |  |  |  |
|                          |                              |      |      |        |        |  |  |  |  |
| <b>*</b> B1              | 86                           | #5   | STR  | 24'-2" | 2168   |  |  |  |  |
| В2                       | 86                           | #6   | STR  | 24′-8″ | 3186   |  |  |  |  |
| * B11                    | 6                            | #4   | STR  | 24'-8" | 99     |  |  |  |  |
|                          |                              |      |      |        |        |  |  |  |  |
| <b>*</b> G1              | 25                           | #4   | STR  | 5′-8″  | 95     |  |  |  |  |
|                          |                              |      |      |        |        |  |  |  |  |
| <b>*</b> U1              | 8                            | #4   | 7    | 3'-4"  | 18     |  |  |  |  |
|                          |                              |      |      |        |        |  |  |  |  |
| REI                      | REINFORCING STEEL 4,040 LBS. |      |      |        |        |  |  |  |  |
| Y EDOVICE OF FED         |                              |      |      |        |        |  |  |  |  |

CLASS AA CONCRETE BREAKDOWN

3,639 LBS

51.1 C.Y

4.5 C.Y

55.6 C.Y.

BILL OF MATERIAL

\* EPOXY COATED 3,240 LBS. REINFORCING STEEL CLASS AA CONCRETE BREAKDOWN POUR 1: APPROACH SLAB 46.9 C.Y. POUR 2: SIDEWALK 3.1 C.Y 50.0 C. STAGE II CLASS AA CONCRETE TOTAL CLASS AA CONCRETE 105.7 C.Y

## NOTES

APPROACH SLAB SHALL NOT BE CONSTRUCTED PRIOR TO COMPLETION OF THE BRIDGE DECK.

FOR BRIDGE APPROACH FILL INCLUDING GEOTEXTILE, 6" Ø DRAINAGE PIPE, AND SELECT MATERIAL BACKFILL, SEE ROADWAY PLANS.

GEOTEXTILE SHALL BE TYPE 1 IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS SECTION 1056.

SELECT MATERIAL BACKFILL (CLASS V OR CLASS VI) SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 1016.

SELECT MATERIAL BACKFILL IS TO BE CONTINUOUS ALONG FILL FACE OF BACKWALL FROM OUTSIDE EDGE TO OUTSIDE EDGE OF APPROACH SLAB.

THE JOINT SHALL BE SAWED PRIOR TO THE CASTING OF THE SIDEWALKS, RAISED MEDIAN AND END POSTS.

FOR THE 6" Ø DRAINAGE PIPE OUTLET(S), SEE ROADWAY STANDARD DRAWINGS.

AREA BETWEEN THE WINGWALL AND APPROACH SLAB SHALL BE GRADED TO DRAIN THE WATER AWAY FROM THE FILL FACE OF THE BRIDGE AND SHALL BE PAVED. SEE ROADWAY PLANS.

FOR FOAM JOINT SEALS, SEE SPECIAL PROVISIONS.

ASSEMBLED BY : FRJ

CHECKED BY: VAP 3/95

DRAWN BY : EEM 3/95 | REV. 6/13

CHECKED BY : CDB

THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE FOAM JOINT SEAL SHALL BE 2" FOR BOTH END BENTS.

FOR ELASTOMERIC CONCRETE, SEE SPECIAL PROVISIONS.

DATE : II/I8

DATE : II/I8

REV. 12/17

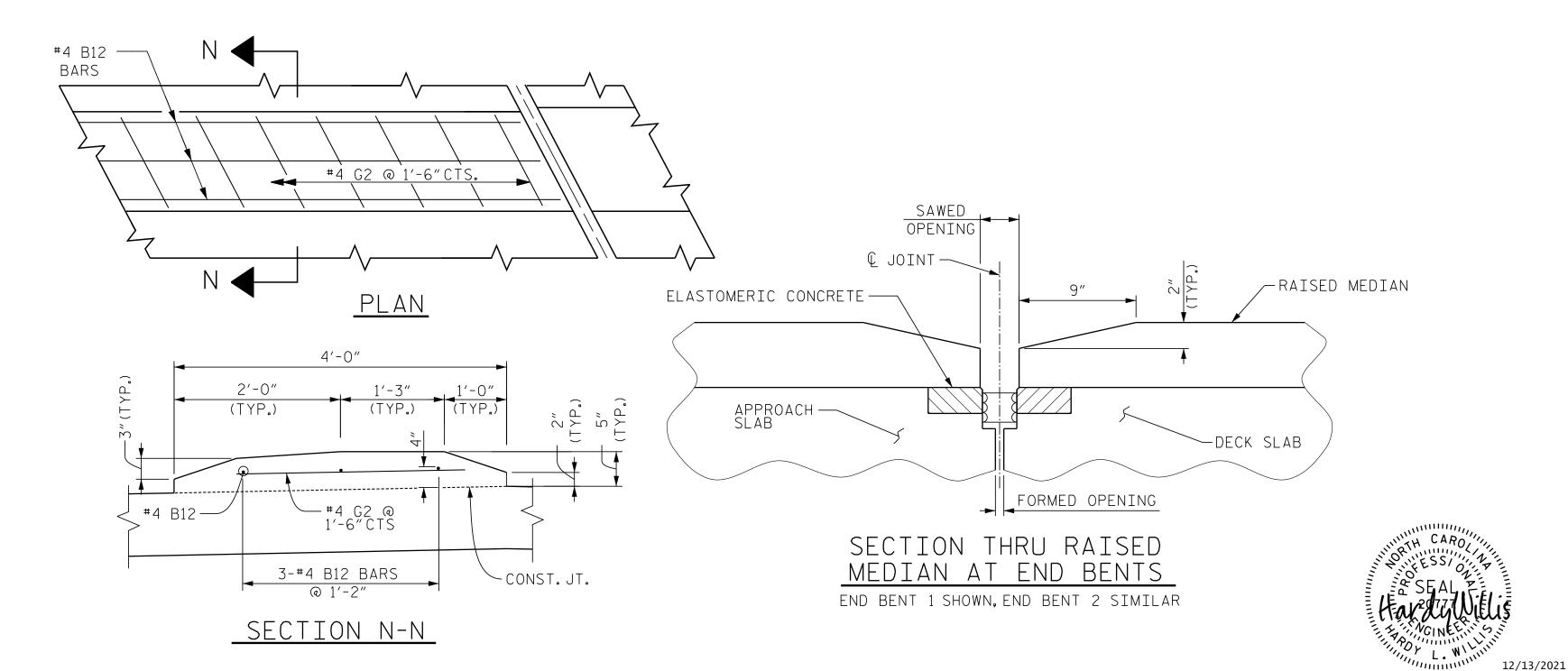
REV. 06/19

GROOVED CONTRACTION JOINTS,  $\frac{1}{2}$ " IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE SIDEWALKS AND MEDIAN STRIP IN ACCORDANCE WITH ARTICLE 825-101(B) OF THE STANDARD SPECIFICATIONS. THE CON-TRACTION JOINTS SHALL BE LOCATED AT A SPACING OF 8 FEET TO 10 FEET BETWEEN EXPANSION JOINTS. NO CONTRACTION JOINTS WILL BE REQUIRED FOE SEGMENTS LESS THAN 10 FEET IN LENGTH.

MAA/GM

MAA/THC

BNB/THC



DETAILS OF MEDIAN ON APPROACH SLAB

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☐ Raleigh, NC ☐ Charlotte, NC 606·248·6600

Consulting Engineers

■ North Carolina

828 · 253 · 2796

Asheville,

PROJECT NO. <u>U-5738</u>

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70+72**.**50 -L-STATION:\_

SHEET 4 OF 4

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH

STANDARD

BRIDGE APPROACH SLAB FOR FLEXIBLE PAVEMENT

|                       |     | REVISIONS |       |     |     |       |                 |
|-----------------------|-----|-----------|-------|-----|-----|-------|-----------------|
| CUMENT NOT CONSIDERED | NO. | BY:       | DATE: | NO. | BY: | DATE: | S-39            |
| FINAL UNLESS ALL      | 1   |           |       | 8   |     |       | TOTAL<br>SHEETS |
| SIGNATURES COMPLETED  | 2   |           |       | 4   |     |       | 39              |