| LOCATION | NO. OF LOC. | MARK | LENGTH FT. IN. | NO. BARS REQ'D. | TYPE | A | G | B FT. IN. | C FT. IN. | D FT. IN. | E FT. IN. | F FT. IN. | H FT. IN. | J FT. IN. | K FT. IN. | N | θ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPAN 2 | △1 | 400E | 36- 7 | 4 | 4 | | | 25-10 | 10- 9 | | | | | | | | 11 |
| STAGE II | △1 | | | | | | | | | | | | | | | | |
| CONT. | △1 | | | | | | | | | | | | | | | | |
| | △1 | | | | | | | | | | | | | | | | |
| | | 401A | 22- 4 | 20 | | | | | | | | | | | | | |
| | | 403A | 5- 6 | 1 | | | | | | | | | | | | | |
| | | 403B | 4- 8 | 1 | | | | | | | | | | | | | |
| | | 403C | 7- 2 | 1 | | | | | | | | | | | | | |
| | | 404B | 45- 0 | 6 | | | | | | | | | | | | | |
| | | 405A | 9- 6 | 30 | | | | | | | | | | | | | |
| | | 405B | 7- 9 | 10 | | | | | | | | | | | | | |
| | | 407 | 7-11 | 16 | | | | | | | | | | | | | |
| | | 408A | 9- 1 | 24 | | | | | | | | | | | | | |
| | | 408B | 6-11 | 8 | | | | | | | | | | | | | |
| | | 409 | 5- 1 | 95 | | | | | | | | | | | | | |
| | △1 | 409A | 0- 8 | 100 | | | | | | | | | | | | | |
| | | 490 | 47- 9 | 62 | | | | | | | | | | | | | |
| | | 491A | 22- 4 | 20 | | | | | | | | | | | | | |
| | | 492 | 8- 2 | 181 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | 501B | 45- 0 | 181 | | | | | | | | | | | | | |
| | | 504A | 5- 5 | 15 | | | | | | | | | | | | | |
| | | 504B | 6- 6 | 27 | | | | | | | | | | | | | |
| | | 505B | 43- 9 | 1 | | | | | | | | | | | | | |
| | | 506A | 3- 6 | 27 | | | | | | | | | | | | | |
| | | 506B | 6- 4 | 62 | | | | | | | | | | | | | |
| | | 507B | 43- 4 | 2 | | | | | | | | | | | | | |
| | | 508 | 7-11 | 10 | | | | | | | | | | | | | |
| | | 509A | 5- 3 | 8 | | | | | | | | | | | | | |
| | | 509B | 6- 7 | 8 | | | | | | | | | | | | | |
| | | 590B | 45- 8 | 181 | | | | | | | | | | | | | |
| | | 592 | 9- 3 | 96 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | 800B | 43-11 | 2 | | | | | | | | | | | | | |
| | | 801B | 43- 4 | 1 | | | | | | | | | | | | | |
| | | 802 | 7-11 | 5 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | 900A | 16- 4 | 18 | | | | | | | | | | | | | |
| | | 900B | 16- 2 | 6 | | | | | | | | | | | | | |
| | | 900E | 10- 3 | 6 | | | | | | | | | | | | | |
| | | 900F | 7- 5 | 6 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| BENT 1 | 1 | | | | | | | STAGE I | | | | | | | | | |
| | | 410 | 6- 9 | 20 | 32 | 5 | 5 | 2- 8 | 1- 8 | 1- 8 | | | | | | | |
| | | 411 | 9- 5 | 38 | 25 | 4 | 4 | 2- 8 | 1- 8 | | | | | | | | |
| | | 412 | 9- 5 | 3 | 25 | 4 | 4 | 2- 2 | 2- 2 | | | | | | | | |
| | | 413 | 1- 8 | 4 | 1 | | | | | | | | | | | | |
| | | 414A | 26- 5 | 4 | 1 | | | | | | | | | | | | |
| | | 415 | 6- 0 | 25 | 2 | | | 2- 8 | 1- 8 | 1- 8 | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | 510 | 8- 7 | 32 | 1 | | | | | | | | | | | | |
| | | 511 | 14- 2 | 20 | 1 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | 610 | 5- 4 | 3 | 1 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | 1010A | 51- 0 | 2 | 4 | | | 49- 0 | 2- 0 | | | | | | | | 88 |
| | | 1010B | 48- 9 | 2 | 4 | | | 46- 9 | 2- 0 | | | | | | | | 88 |
| | | | | | | | | | | | | | | | | | |
| BENT 1 | 1 | | | | | | | STAGE II | | | | | | | | | |
| | | 410 | 6- 9 | 20 | | | | | | | | | | | | | |
| | | 411 | 9- 5 | 43 | | | | | | | | | | | | | |
| | | 412 | 9- 5 | 3 | | | | | | | | | | | | | |
| | | 413 | 1- 8 | 4 | | | | | | | | | | | | | |
| | | 414B | 28- 2 | 4 | 1 | | | | | | | | | | | | |
| | | 415 | 6- 0 | 30 | | | | | | | | | | | | | |

| LOCATION | NO. OF LOC. | MARK | LENGTH FT. IN. | NO. BARS REQ'D. | TYPE | A | G | B FT. IN. | C FT. IN. | D FT. IN. | E FT. IN. | F FT. IN. | H FT. IN. | J FT. IN. | K FT. IN. | N | θ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BENT 1 | | 510 | 8- 7 | 32 | | | | | | | | | | | | | |
| STAGE II | | 511 | 14- 2 | 20 | | | | | | | | | | | | | |
| CONT. | | | | | | | | | | | | | | | | | |
| | | 610 | 5- 4 | 3 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | 1010C | 47- 8 | 4 | 6 | | | 45- 2 | 0- 6 | 2- 0 | 0- 0 | | | | | | 2 |
| | | | | | | | | | | | | | | | | | |
| BENT 2 | 2 | | | | | | | STAGE I & II | | | | | | | | | |
| | | 420 | 13- 5 | 17 | 25 | 4 | 4 | 3- 2 | 3- 2 | | | | | | | | |
| | | 421 | 39- 2 | 10 | 1 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | 520 | 17- 2 | 49 | 25 | 4 | 4 | 3- 8 | 4- 5 | | | | | | | | |
| | | 521 | 15- 2 | 32 | 25 | 4 | 4 | 2- 8 | 4- 5 | | | | | | | | |
| | | 522 | 9- 8 | 84 | 10 | 1 | 1 | 8- 6 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | 620 | 13- 9 | 52 | 25 | 4 | 4 | 3- 2 | 3- 2 | | | | | | | | |
| | | 621 | 9- 9 | 104 | 25 | 4 | 4 | 1- 2 | 3- 2 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | 822 | 5- 6 | 30 | 21 | 6 | | 2- 9 | 2- 9 | | | | | | | | 60 |
| | | | | | | | | | | | | | | | | | |
| | | 1120 | 13- 7 | 40 | 9 | 1 | | 12- 0 | | | | | | | | | |
| | | 1121A | 20- 1 | 20 | 1 | | | | | | | | | | | | |
| | | 1121B | 20- 7 | 20 | 1 | | | | | | | | | | | | |
| | | 1122 | 39- 2 | 8 | 1 | | | | | | | | | | | | |
| | | 1123 | 18- 4 | 10 | 9 | 1 | | 16- 9 | | | | | | | | | |
| | | 1124 | 20- 6 | 5 | 1 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| BENT 3 | 1 | | | | | | | STAGE I | | | | | | | | | |
| | | 410 | 6- 9 | 20 | | | | | | | | | | | | | |
| | | 411 | 9- 5 | 38 | | | | | | | | | | | | | |
| | | 412 | 9- 5 | 3 | | | | | | | | | | | | | |
| | | 413 | 1- 8 | 4 | | | | | | | | | | | | | |
| | | 414A | 26- 5 | 4 | | | | | | | | | | | | | |
| | | 415 | 6- 0 | 25 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | 510 | 8- 7 | 32 | | | | | | | | | | | | | |
| | | 511 | 14- 2 | 20 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | 610 | 5- 4 | 3 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | 1030A | 51- 0 | 2 | 6 | | | 48- 6 | 0- 6 | 2- 0 | 0- 0 | | | | | | 2 |
| | | 1030B | 48- 9 | 2 | 6 | | | 46- 3 | 0- 6 | 2- 0 | 0- 0 | | | | | | 2 |
| | | | | | | | | | | | | | | | | | |
| BENT 3 | 1 | | | | | | | STAGE II | | | | | | | | | |
| | | 410 | 6- 9 | 20 | | | | | | | | | | | | | |
| | | 411 | 9- 5 | 43 | | | | | | | | | | | | | |
| | | 412 | 9- 5 | 3 | | | | | | | | | | | | | |
| | | 413 | 1- 8 | 4 | | | | | | | | | | | | | |
| | | 414B | 28- 2 | 4 | | | | | | | | | | | | | |
| | | 415 | 6- 0 | 30 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | 1030C | 47- 8 | 4 | 4 | | | 45- 8 | 2- 0 | | | | | | | | 88 |

| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA. | NHSTP-0075-03(203) | 396 | 604 |

BRIDGE NO. 1


Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668


GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

# BAR REINFORCING DETAILS
## CR 65 (UNION GROVE ROAD) OVER I-75

GORDON COUNTY NHSTP-0075-03(203)

NO SCALE FEBRUARY 2011

DESIGNED JRL CHECKED BKA / MS REVIEWED W.E.I./W.M.D.
DRAWN JRL DESIGN GROUP EJC APPROVED BFR

REVISIONS: △ MEDIAN DATE 10-01-11 BY JRL

DRAWING NO. 35 - 15

BRIDGE SHEET 15 OF 15

1 INCH WHEN PRINTED FULL SIZE

JRL 2008030 \ 2008030005-006 \ BRIDGE \ UGRI \ UGR RB.DGN