BOS1125.DGN

# BILL OF STEEL

CONST. NO. 57034-3205-94

| PROJECT NO. | YEAR | SHEET NO. |
|---|---|---|
| BR-STP-197(10) | 2015 | |

REVISIONS

| NO. | DATE | BY | BRIEF DESCRIPTION |
|---|---|---|---|
| | | | |

## SUPERSTRUCTURE - EPOXY COATED

| BAR | LOCATION | SIZE | NO. REQ'D | BENDING DIMENSIONS A | B | C | D | LENGTH |
|---|---|---|---|---|---|---|---|---|
| A500E | TOP & BOTTOM SLAB | 5 | 67 | | | | | 60'-0" |
| A501E | TOP SLAB | 5 | 29 | | | | | 21'-9" |
| A502E | TOP & BOTTOM SLAB | 5 | 308 | | | | | 16'-10" |
| A503E | TOP & BOTTOM SLAB | 5 | 308 | | | | | 18'-2" |
| A504E | TOP SLAB | 5 | 38 | | | | | 22'-3" |
| A570E | PARAPET / SLAB | 5 | 484 | 2'-1" | | | | 2'-8" |

## ABUTMENT NO. 1 & 2 (EACH)

| BAR | LOCATION | SIZE | NO. REQ'D | BENDING DIMENSIONS A | B | C | D | LENGTH |
|---|---|---|---|---|---|---|---|---|
| A440 | ROADWAY BRACKET | 4 | 1 | | | | | 14'-11" |
| A441 | ROADWAY BRACKET | 4 | 1 | | | | | 16'-9" |
| A442 | WINGWALLS | 4 | 28 | | | | | 4'-5" |
| A443 | WINGWALLS | 4 | 12 | | | | | 15'-4" |
| A540 | ABUTMENT BEAM | 5 | 2 | | | | | 17'-8" |
| A541 | ABUTMENT BEAM | 5 | 2 | | | | | 19'-0" |
| A542 | WING BEAM | 5 | 4 | | | | | 16'-10" |
| A640 | WINGWALLS | 6 | 28 | | | | | 4'-5" |
| A643 | ENDWALL | 6 | 10 | | | | | 17'-6" |
| A644 | ENDWALL | 6 | 10 | | | | | 18'-3" |
| A645 | ENDWALL/ABUT BEAM | 6 | 8 | | | | | 3'-8" |
| A646 | WINGWALLS | 6 | 12 | | | | | 15'-4" |
| A740 | ABUTMENT BEAM | 7 | 10 | | | | | 19'-3" |
| A741 | ABUTMENT BEAM | 7 | 10 | | | | | 19'-0" |
| A742 | WING BEAM | 7 | 20 | | | | | 16'-10" |
| B640 | ENDWALL | 6 | 10 | 5'-0" | | | | 5'-8" |
| H540 | ENDWALL / RDWY. BRKT. | 5 | 30 | 2'-2" | 6" | | | 3'-2" |
| H640 | ENDWALL / WINGS | 6 | 58 | 1'-2" | 4'-0" | | | 9'-2" |
| L540 | ABUTMEN / WING BEAMS | 5 | 59 | 2'-8" | 2'-8" | | | 11'-7" |

## ABUTMENT NO. 1 & 2 (EACH) EPOXY COATED

| BAR | LOCATION | SIZE | NO. REQ'D | BENDING DIMENSIONS A | B | C | D | LENGTH |
|---|---|---|---|---|---|---|---|---|
| A640E | ENDWALL | 6 | 68 | | | | | 4'-5" |
| A641E | ENDWALL | 6 | 2 | | | | | 17'-11" |
| A642E | ENDWALL | 6 | 2 | | | | | 18'-3" |
| B570E | WINGWALLS | 5 | 52 | 2'-1" | | | | 2'-8" |
| F640E | ENDWALL / ROAD BRACKET | 6 | 30 | 1'-1" | 1'-3" | 1'-1" | 1'-3" | 3'-11" |
| HP570E | WINGWALLS / PARAPET | 5 | 16 | 4" | 3'-10" | 1'-1" | | 7'-11" |
| R640E | ENDWALL / SLAB | 6 | 30 | 2'-0" | 2'-0" | | | 4'-0" |

## REINFORCING STEEL CODE

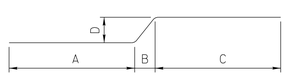
| TYPE | SIZE | SERIES |
|---|---|---|
| A | 5 | 06 |

NOTE: DIMENSIONS SHOWN ON THIS SHEET ARE OUTSIDE TO OUTSIDE OF BAR. STANDARD C.R.S.I. HOOK DETAILS SHALL APPLY, EXCEPT AS NOTED.

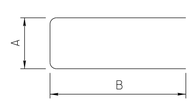
NOTE: THE SUFFIX E FOR BARS SO MARKED DENOTES EPOXY COATED REINFORCEMENT.

BARS A

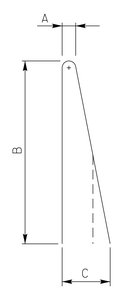
BARS B



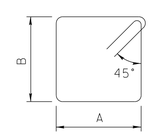

BARS F



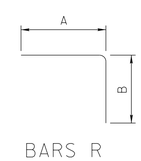

BARS H




BARS HP
(BEND IN FIELD)




BARS L




BARS R

| | | | |
|---|---|---|---|
| DESIGNED BY | D. SHIKE | DATE | 03-15 |
| DRAWN BY | BILL EASTON | DATE | 03-15 |
| SUPERVISED BY | MBC / KDM | DATE | 03-15 |
| CHECKED BY | D. SHIKE | DATE | 03-15 |

KATHLEEN D. McLAUGHLIN
STATE OF TENNESSEE
No. 110111
AGRICULTURE
4/27/2015

CORRECT Wayne G. Sieger
ENGINEER OF STRUCTURES

BRIDGE NO. 1
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BILL OF STEEL
STATE ROUTE 197
OVER
BRANCH A
STATION 55+45.00
LOG MILE 8.56
MADISON COUNTY
2015

U-57-130