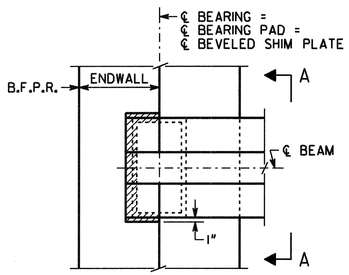
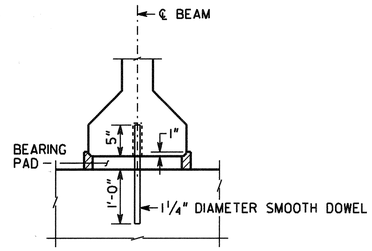
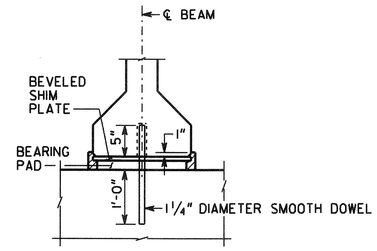



PLAN
BENT 1 SHOWN
BENT 5 SIMILAR




PREFORMED FOAM JOINT FILLER SHALL BE FURNISHED IN ACCORDANCE WITH SUB-SECTION 833.2.10 OF THE GEORGIA DOT SPECIFICATIONS.

ENDWALL NOT SHOWN
SECTION A-A
BENT 5




PREFORMED FOAM JOINT FILLER SHALL BE IN ACCORDANCE WITH SUB-SECTION 833.2.10 OF THE GEORGIA DOT SPECIFICATIONS.

ENDWALL NOT SHOWN
SECTION A-A
BENT 1

## NOTES

1) BEARING PADS HAVE BEEN DESIGNED ACCORDING TO 1992 AASHTO SPECIFICATIONS ARTICLE 14.6.6, METHOD A AND SHALL BE FURNISHED IN ACCORDANCE WITH AASHTO SPECIFICATIONS DIVISION II, SECTION 18, BEARINGS.

2) 1 1/4" DIAMETER SMOOTH DOWELS SHALL BE ASTM A 709 GRADE 36.

3) BEARING PADS SHALL BE MADE OF 60 DUROMETER HARDNESS NEOPRENE, GRADE 2 OR HIGHER.

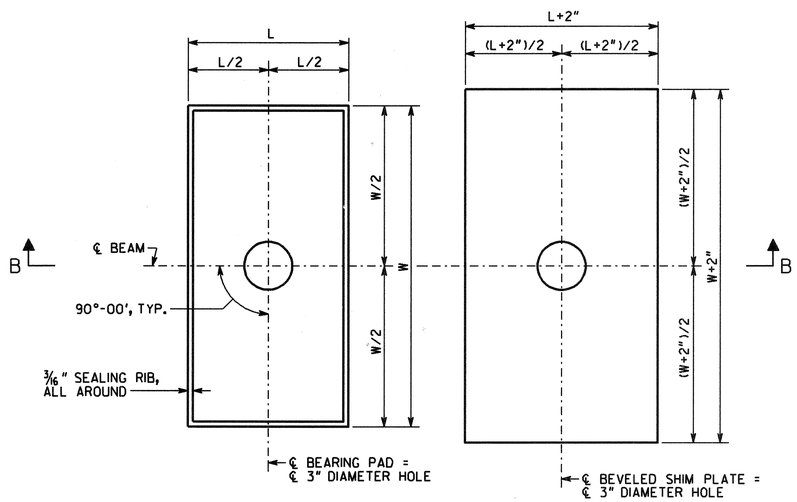
4) 3" DIAMETER HOLE IN BEARING PADS MAY BE FORMED OR DRILLED.

5) BEARING PADS SHALL HAVE 1/4" COVER ON THE TOP, BOTTOM, AND SIDES AND AROUND THE HOLE.

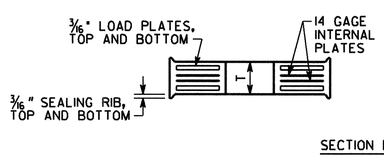
6) 3/16" LOAD PLATES AND 14 GAGE INTERNAL PLATE(S) (IF REQUIRED) SHALL BE ASTM A 709 GRADE 36 OR ASTM A 1011 GRADE 36.

7) NUMBER OF INTERNAL PLATES SHOWN FOR ILLUSTRATION PURPOSES ONLY. THE NUMBER OF INTERNAL PLATE(S) SPECIFIED SHALL BE EQUALLY SPACED BETWEEN LOAD PLATES.

8) USE OF 1 1/2° MOLD DRAFT IS OPTIONAL.

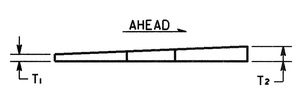



PLAN




SECTION B-B

BEARING PAD




BEVELED SHIM PLATE

| BENT | BEARING PADS | | | | | | | | BEVELED SHIM PLATES | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | DESIGN LOADS (KIPS) | | | | |
| | W | L | T | NUMBER OF INTERNAL PLATE(S) | DESIGN SHEAR DEFLECTION | DEAD LOAD | LIVE LOAD (NO IMPACT) | DEAD LOAD + LIVE LOAD | T1 | T2 |
| 1 INT BMS | 15 | 10 | 2 3/4 | 5 | 0.55 | 51.8 | 51.1 | 102.9 | 1/4" | 7/16" |
| 1 EXT BMS | 22 | 8 | 2 | 2 | 0.55 | 61.1 | 49.7 | 110.8 | 1/4" | 7/16" |
| 2 BK INT BMS | 15 | 10 | 1 1/2 | 1 | 0.38 | 51.8 | 51.1 | 102.9 | 1/4" | 7/16" |
| 2 BK EXT BMS | 22 | 8 | 1 1/2 | 1 | 0.38 | 61.1 | 49.7 | 110.8 | 1/4" | 7/16" |
| 2 AHD | 22 | 11 | 1 1/2 | 1 | 0.38 | 147.1 | 56.1 | 203.2 | 1/4" | 7/16" |
| 3 BK | 22 | 11 | 1 | 0 | 0 | 147.1 | 56.1 | 203.2 | 1/4" | 7/16" |
| 3 AHD | 22 | 11 | 1 | 0 | 0 | 147.1 | 56.1 | 203.2 | - | - |
| 4 BK | 22 | 11 | 1 1/2 | 1 | 0.38 | 147.1 | 56.1 | 203.2 | - | - |
| 4 AHD INT BMS | 15 | 10 | 1 1/2 | 1 | 0.38 | 51.8 | 51.1 | 102.9 | - | - |
| 4 AHD EXT BMS | 22 | 8 | 1 1/2 | 1 | 0.38 | 61.1 | 49.7 | 110.8 | - | - |
| 5 INT BMS | 15 | 10 | 2 3/4 | 5 | 0.55 | 51.8 | 51.1 | 102.9 | - | - |
| 5 EXT BMS | 22 | 8 | 2 | 2 | 0.55 | 61.1 | 49.7 | 110.8 | - | - |

DIMENSIONS ARE IN INCHES

AS-BUILT

APPROVED FOR CONSTRUCTION 1/19/08

BRIDGE NO. 1


ARCADIS
2849 PACES FERRY ROAD, SUITE 400
ATLANTA, GEORGIA 30339
TEL: 770/431-8666 FAX: 770/435-2666


GEORGIA
DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

BEARING DETAILS
CR 98 (KIA BOULEVARD) OVER I-85

TROUP COUNTY — CSNHS-0008-00(232)

SCALE: NO SCALE — JULY 2007

| DESIGNED | JPT | CHECKED | RHC | REVIEWED | WMD |
|---|---|---|---|---|---|
| DRAWN | MLF | DESIGN GROUP | SWW | APPROVED | PVL |

| REVISIONS | BY | DATE |
|---|---|---|
| | | |

BRIDGE SHEET 10 OF 20

PLAN DATE: 01-25-08


User Name: MLF Date: 1/24/2008 Time: 8:30:09 AM Filename: g:\tro\63732-klo\bridge\final\bridge 1\63732bl-brg.dgn