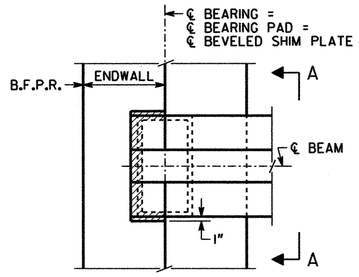
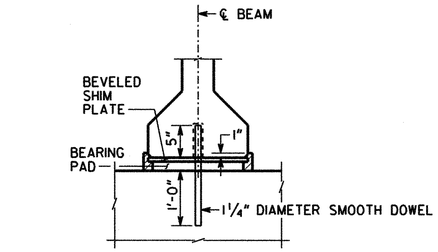
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NHS00-0000-00(765)	373	562



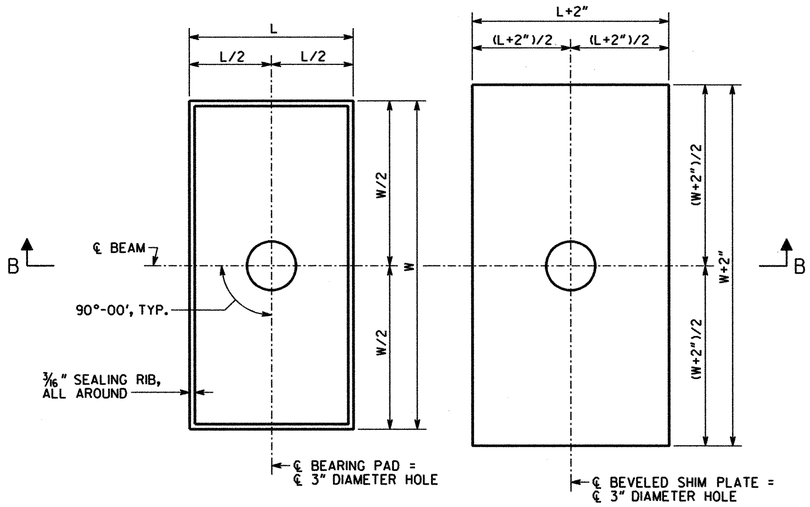
PLAN
BENT 1 SHOWN
BENT 3 SIMILAR



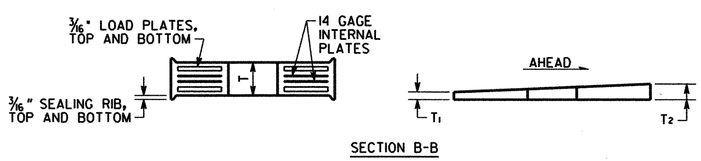
PREFORMED FOAM JOINT FILLER SHALL BE IN ACCORDANCE WITH SUB-SECTION 833.2.10 OF THE GEORGIA DOT SPECIFICATIONS.

ENDWALL NOT SHOWN

SECTION A-A



PLAN



SECTION B-B

BEARING PAD

BEVELED SHIM PLATE

NOTES

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

2) 1¼" 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 ¼" 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 1½° MOLD DRAFT IS OPTIONAL.

9) BEVELED SHIM PLATES SHALL BE ASTM A 709 GRADE 36 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 123.

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	22"	11"	3"	7	0.575"	155	55	210	½"	¾"
2 BK	22"	11"	3"	7	0"	155	55	210	½"	¾"
2 AH	22"	11"	3"	7	0"	155	55	210	N/A	N/A
3	22"	11"	3"	7	0.575"	155	55	210	N/A	N/A

USE ON CONSTRUCTION

BRIDGE NO. 1

CSI CIVIL SERVICES, INC.
CONSULTING ENGINEERS
620 PEACHTREE ST., N.E., STE 300R
ATLANTA, GA 30308 (404)685-8001

GEORGIA
DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

BEARING DETAILS
CR 418 (OMEGA-ELDORADO RD.) OVER I-75
TIFT COUNTY NHS00-0000-00(765)

NO SCALE MAY 2011

BY	REVISIONS	DATE
RK	GENERAL REVISION	05/13/2011

GEORGIA REGISTERED No. 26993 PROFESSIONAL ENGINEER RAMESH KALVAKAALVA
K. Kalvakaalva 5/13/11

BRIDGE SHEET 8 OF 13

DESIGNED FRQ | CHECKED RK / GRH | REVIEWED WEI/WMD
DRAWN JRC | DESIGN GROUP EJC | APPROVED PVL

x