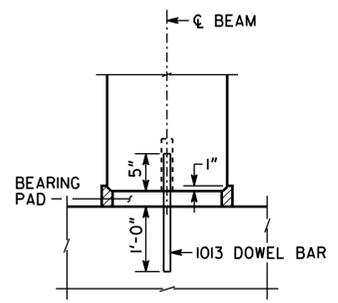
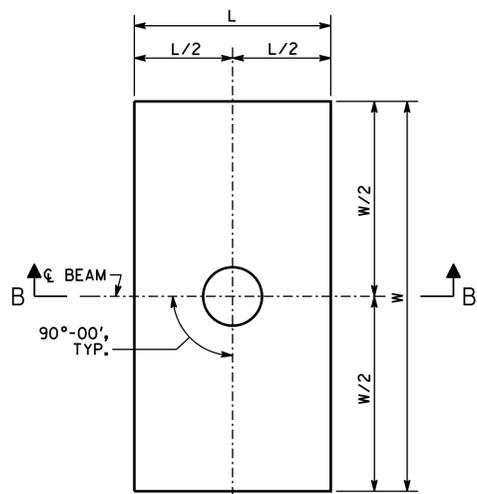


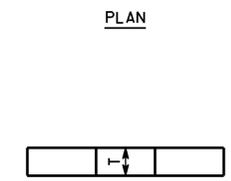
PLAN  
 SCALE: NONE  
 BENT 1 SHOWN  
 BENT 8 SIMILAR



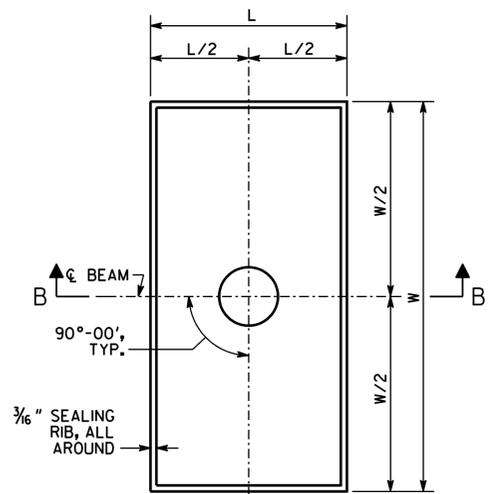
ENDWALL NOT SHOWN  
 SECTION A-A  
 SCALE: NONE  
 PREFORMED FOAM JOINT FILLER SHALL BE FURNISHED IN ACCORDANCE WITH SUB-SECTION 833.2.10 OF THE GEORGIA DOT SPECIFICATIONS.



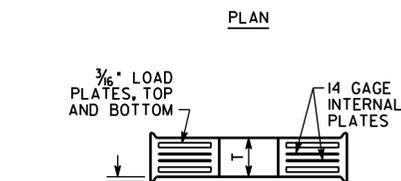
PLAN  
 BEARING PAD = 3" DIAMETER HOLE



SECTION B-B  
 BEARING PAD "A"



PLAN  
 BEARING PAD = 3" DIAMETER HOLE



SECTION B-B  
 BEARING PAD "C"

NOTES

- 1) BEARING PADS "A" SHALL BE FURNISHED IN ACCORDANCE WITH AASHTO SPECIFICATIONS DIVISION II, SECTION 18, BEARINGS.
- 2) BEARING PADS "B" AND "C" HAVE BEEN DESIGNED ACCORDING TO AASHTO SPECIFICATION DIVISION I, SECTION 14.6.6 AND SHALL BE FURNISHED IN ACCORDANCE WITH AASHTO SPECIFICATION DIVISION II, SECTION 18, BEARINGS.
- 3) 1/4" DIAMETER SMOOTH DOWELS SHALL BE ASTM A 709 GRADE 36 FOR BEARING PAD "C".
- 4) BEARING PADS SHALL BE MADE OF 60 DUROMETER HARDNESS NEOPRENE, GRADE 2 OR HIGHER.
- 5) 3" DIAMETER HOLE IN BEARING PADS MAY BE FORMED OR DRILLED.
- 6) BEARING PADS "B" AND "C" SHALL HAVE 1/4" COVER ON THE TOP, BOTTOM, AND SIDES AND AROUND THE HOLE.
- 7) 3/8" LOAD PLATES AND 14 GAGE INTERNAL PLATE(S) (IF REQUIRED) SHALL BE ASTM A 709 GRADE 36 OR ASTM A 1011 GRADE 36.
- 8) NUMBER OF LOAD PLATES AND INTERNAL PLATES SHOWN FOR ILLUSTRATION PURPOSES ONLY. THE NUMBER OF INTERNAL PLATE(S) SPECIFIED SHALL BE EQUALLY SPACED BETWEEN LOAD PLATES.
- 9) USE OF 1/2° MOLD DRAFT IS OPTIONAL.
- 10) COST OF FURNISHING AND INSTALLING BEARING PADS "A" AND "B" SHALL BE INCLUDED IN "LUMP CY SUPERSTR CONCRETE, CL AA".
- 11) SHOULD THE CONTRACTOR CHOOSE TO SUBSTITUTE PRECAST BEAMS FOR THE CAST-IN-PLACE BEAMS SHOWN, BEARING PADS "B" SHALL BE REDESIGNED ACCOUNTING FOR NEW LOADS AND ROTATIONS AND SHALL HAVE 3/8" SEALING RIBS TOP AND BOTTOM. BEARING PADS "A" SHALL REMAIN AS SHOWN.

BENT	PAD	BEARING PADS							
		W	L	T	NUMBER OF INTERNAL PLATE(S)	DESIGN SHEAR DEFLECTION	DESIGN LOADS (KIPS)		
							DEAD LOAD	LIVE LOAD (NO IMPACT)	DEAD LOAD + LIVE LOAD
1	B	16"	9"	2 7/8"	3	0.61"	36	43	79
2	B	16"	9"	2 7/8"	3	0.36"	34	43	77
3	A	16"	9"	1/2"	-	-	-	-	-
4 BK.	A	16"	9"	1/2"	-	-	-	-	-
4 AH.	C	22"	10"	2 3/4"	3	0"	136.0	53.0	189.0
5 BK.	C	22"	10"	2 3/4"	3	0.66"	136.0	53.0	189.0
5 AH.	A	16"	9"	1/2"	-	-	-	-	-
6	A	16"	9"	1/2"	-	-	-	-	-
7	A	16"	9"	1/2"	-	-	-	-	-
8	B	16"	9"	2 7/8"	3	0.36"	34	43	77

BRIDGE NO. 2

**URS**  
 URS CORPORATION  
 400 NORTHPARK TOWN CENTER  
 1000 ABERNATHY ROAD, N. E.  
 SUITE 900  
 ATLANTA, GA 30328  
 TEL: (678) 808-8800  
 FAX: (678) 808-8400

REVISIONS				DESIGNED	GJBM
BY	DESCRIPTION	DATE	Δ	DRAWN	CAV
				CHECKED	RSC
				GDOT LIAISON	EJC
				REVIEWED	WEI/WMD
				APPROVED	PVL
				NO SCALE	
				JULY 2011	

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

BEARING DETAILS  
 SR 100 OVER NEW RIVER

BRSTO-2797-00(004)  
 HEARD COUNTY

BRIDGE SHEET  
 8 OF 14

DRAWING No.  
**35-0018**