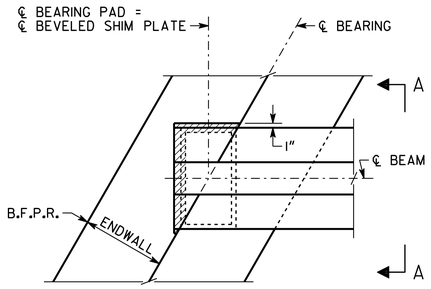
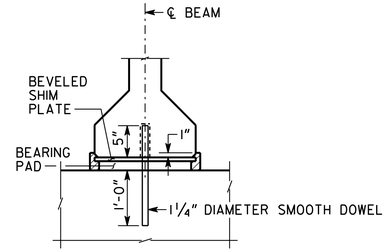
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	EDS00-0545-00(020)	760	831

VOID



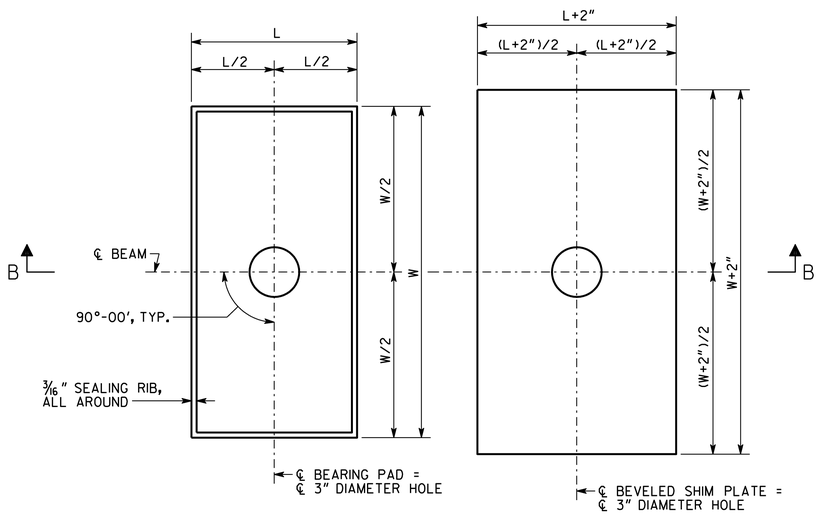
PLAN
BENT 1 SHOWN
BENT 5 SIMILAR



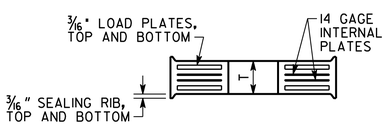
PREFORMED FOAM JOINT FILLER SHALL BE IN ACCORDANCE WITH SUB-SECTION 833.2.10 OF THE GEORGIA DOT SPECIFICATIONS.

ENDWALL NOT SHOWN

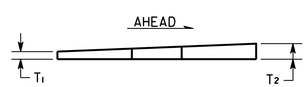
SECTION A-A



PLAN

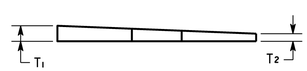


BEARING PAD



SECTION B-B

BEVELED SHIM PLATE
BENT 1



BEVELED SHIM PLATE
BENT 5

BENT	BEARING PADS					DESIGN LOADS (KIPS)			BEVELED SHIM PLATES	
	W	L	T	NUMBER OF INTERNAL PLATE(S)	DESIGN SHEAR DEFLECTION	DEAD LOAD	LIVE LOAD (NO IMPACT)	DEAD LOAD + LIVE LOAD	T_1	T_2
1 LT 63"	20"	12"	2"	2	5/8"	139.1	54.4	193.5	1/4"	3/8"
1 LT 72"	20"	12"	2"	2	5/8"	141.7	54.4	196.1	1/4"	3/8"
1 RT 63"	20"	12"	2"	2	5/8"	142.8	54.4	197.2	1/4"	1/2"
1 RT 72"	20"	12"	2"	2	5/8"	145.6	54.4	200.0	1/4"	3/8"
2BK LT 63"	20"	12"	2"	2	5/16"	115.7	54.4	170.1	-	-
2BK LT 72"	20"	12"	2"	2	5/16"	118.4	54.4	172.8	-	-
2BK RT 63"	20"	12"	2"	2	3/8"	119.0	54.4	173.4	-	-
2BK RT 72"	20"	12"	2"	2	3/8"	121.8	54.4	176.2	-	-
2AH LT	20"	12"	2"	2	5/16"	142.7	56.0	198.7	-	-
2AH RT	20"	12"	2"	2	3/8"	145.5	56.0	201.5	-	-
3BK LT	20"	12"	2"	2	0"	142.7	56.0	198.7	-	-
3BK RT	20"	12"	2"	2	0"	145.5	56.0	201.5	-	-
3AH LT	22"	12"	2"	2	0"	159.0	58.1	217.1	-	-
3AH RT	22"	12"	2"	2	0"	146.6	57.8	204.4	-	-
4BK LT	22"	12"	2"	2	3/8"	159.0	58.1	217.1	-	-
4BK RT	22"	12"	2"	2	3/8"	146.6	57.8	204.4	-	-
4AH LT	22"	12"	2"	2	3/8"	157.3	58.1	215.4	-	-
4AH RT	22"	12"	2"	2	3/8"	146.1	57.7	203.8	-	-
5 LT	22"	12"	2 1/2"	3	3/4"	182.9	58.1	241.0	1/2"	1/4"
5 RT	22"	12"	2 1/2"	3	11/16"	171.1	57.7	228.8	1/2"	1/4"

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) 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.

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

BRIDGE NO. 1 LT. & RT.

ARCADIS
2410 PACES FERRY ROAD, SUITE 400
ATLANTA, GEORGIA 30339
TEL: 770/431-8666 FAX: 770/435-2666

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

BEARING DETAILS
SR 17 OVER OLD SR 17 AND
HARTWELL RAILROAD CO. RAILWAY

FRANKLIN COUNTY EDS00-0545-00(020)

SCALE: NO SCALE AUGUST 2011

DRAWING NO.	REVISIONS	DATE	BY
35-18			
BRIDGE SHEET 18 OF 30			

DESIGNED	JL	CHECKED	JPT	REVIEWED	WMD/WEI
DRAWN	MLF	DESIGN GROUP	WEI	APPROVED	BFR

1 INCH WHEN PRINTED FULL SIZE

X.DGN

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User Name: wcrenshaw Date: 12/15/2012 Time: 11:40:53 AM