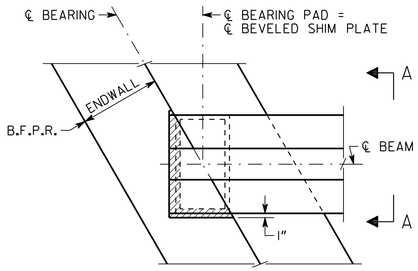
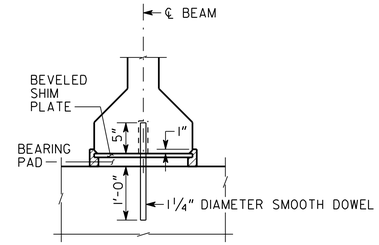
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	HPPNH-0012-01(085)	716	1146



PLAN

BENT 1 SHOWN
BENT 4 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

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.

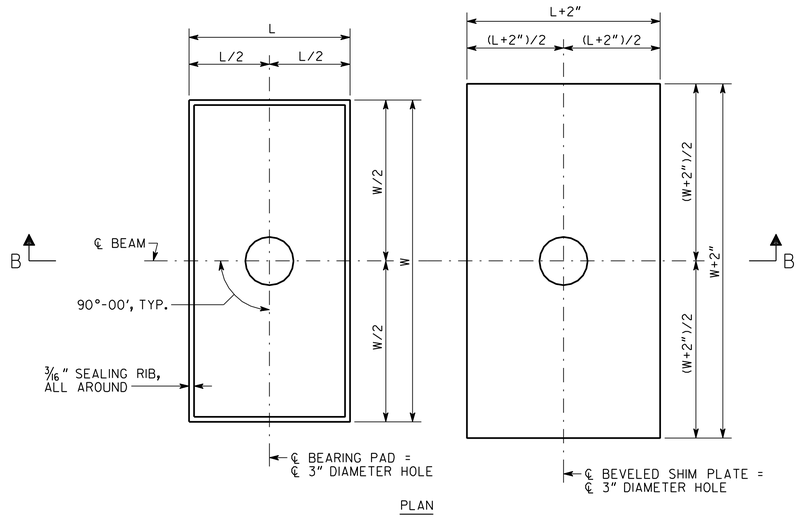
6) 3/16" LOAD PLATES AND 14 GAGE INTERNAL PLATE(S) (IF REQUIRED) SHALL BE ASTM A 709 GRADE 36 OR ASTM A 1011 GRADE 36.

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

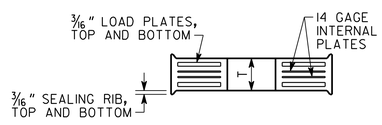
8) USE OF 1 1/2° MOLD DRAFT IS OPTIONAL.

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

LEFT AND RIGHT BRIDGE										
BENT	BEARING PADS								BEVELED SHIM PLATES	
	W (IN)	L (IN)	T (IN)	NUMBER OF INTERNAL PLATE(S)	DESIGN SHEAR DEFLECTION (IN)	DESIGN LOADS (KIPS)			T1 (IN)	T2 (IN)
						DEAD LOAD	LIVE LOAD (NO IMPACT)	DEAD LOAD + LIVE LOAD		
1	16	12	2	2	0.158	67	50	117	5/8	1/4
2 BK	16	12	2	2	0.000	50	50	100	5/8	1/4
2 AH	18	12	2 1/8	3	0.000	81	53	134	1/2	1/4
3 BK	18	12	2 1/8	3	0.230	81	53	134	1/2	1/4
3 AH	16	12	2	2	0.230	50	50	100	1/2	1/4
4	16	12	2	2	0.389	67	50	117	1/2	1/4



PLAN



BEARING PAD

SECTION B-B

BEVELED SHIM PLATE

BRIDGE NO. 2 LT. & RT.

GEORGIA
DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

35.21

REVISIONS	BY	DATE

JORDAN JONES & GOULDING

BEARING DETAILS
SR 1 LOOP (WEST ROME BYPASS)
OVER TRIBUTARY TO MOUNTAIN END LAKE
FLOYD COUNTY HPPNH-0012-01(085)

SCALE: NO SCALE AUGUST 2009

JOB NO.	BRIDGE SHEET
2077-026	8 OF 17

DESIGNED LSW
DRAWN THR/RAR
CHECKED RJS/JLA
DESIGN GROUP RAG
REVIEWED WEI/WMD
APPROVED PVL

P:\02\02077\026\dgn\Final Br. Plans\Br.No.2 (Mt. End Lake)\62602br-g.dgn 5:19:25 PM 4/25/2011