



NOTES

- BEARING PADS HAVE BEEN DESIGNED ACCORDING TO AASHTO LRFD BRIDGE SPECIFICATIONS, SECTION 14.7.6 METHOD A AND SHALL BE FURNISHED IN ACCORDANCE WITH AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS, SECTION 18, BEARING DEVICES.
- 1 3/4" DIAMETER SMOOTH DOWELS SHALL BE ASTM A 709 GRADE 50.
- BEARING PADS SHALL BE MADE OF 60 DUROMETER HARDNESS NEOPRENE, GRADE 2 OR HIGHER.
- 3" DIAMETER HOLE IN BEARING PADS MAY BE FORMED OR DRILLED.
- BEARING PADS SHALL HAVE 1/4" COVER ON THE TOP, BOTTOM, AND SIDES AND AROUND THE HOLE.
- 3/16" LOAD PLATES AND 12 GAGE INTERNAL PLATE(S) (IF REQUIRED) SHALL BE ASTM A 709 GRADE 36 OR ASTM A 1011 GRADE 36.
- NUMBER OF INTERNAL PLATES SHOWN FOR ILLUSTRATION PURPOSES ONLY. THE NUMBER OF INTERNAL PLATE(S) SPECIFIED SHALL BE EQUALLY SPACED BETWEEN LOAD PLATES.
- USE OF 1/2° MOLD DRAFT IS OPTIONAL.
- BEVELED SHIM PLATES SHALL BE ASTM A 709 GRADE 36 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 123.

BENT	BEAM	BEARING PADS							BEVELED SHIM PLATES		
		W	L	T	NUMBER OF INTERNAL PLATE(S)	DESIGN SHEAR DEFLECTION	DESIGN LOADS (KIPS)			T1	T2
							DEAD LOAD	LIVE LOAD (NO IMPACT)	DEAD LOAD + LIVE LOAD		
I-2BK	2-6	16"	10"	2 3/8"	2	0.75"	69	74	143	1/4"	1/8"
I-2BK	1 & 7	22"	10"	2 3/8"	2	0.68"	83	67	150	1/4"	1/8"
2AH-3BK	ALL	22"	12"	3 7/8"	5	0.69"	180	108	288	1/4"	3/16"
3AH-4BK	ALL	22"	12"	3 7/8"	5	0.69"	180	108	288	NA	NA
4AH-5	1 & 7	22"	10"	2 3/8"	2	0.68"	83	67	150	1/16"	1/4"
4AH-5	2-6	16"	10"	2 3/8"	2	0.75"	69	74	143	1/16"	1/4"

BRIDGE NO. 1

Baker MICHAEL BAKER CORPORATION
3595 ENGINEERING DRIVE
NORCROSS, GEORGIA 30092
(770) 263-9118

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

BEARING DETAILS
CR 3929 (WALTHER BOULEVARD) OVER SR 316
GWINNETT COUNTY 0010425

SCALE: NONE FEBRUARY 2015

DESIGNED BSB	CHECKED GJBM	REVIEWED WMD/DLC
DRAWN BSB	DESIGN GROUP DPD	APPROVED BFR

DRAWING NO. 35-013
BRIDGE SHEET 13 OF 20

DATE	REVISIONS	BY