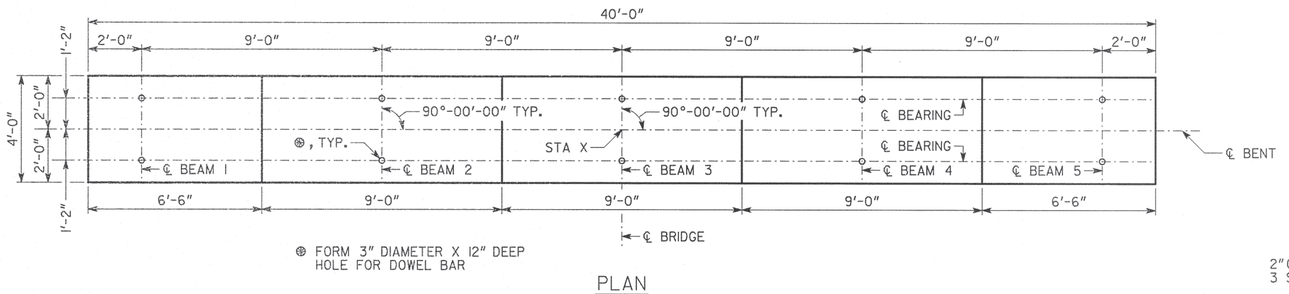
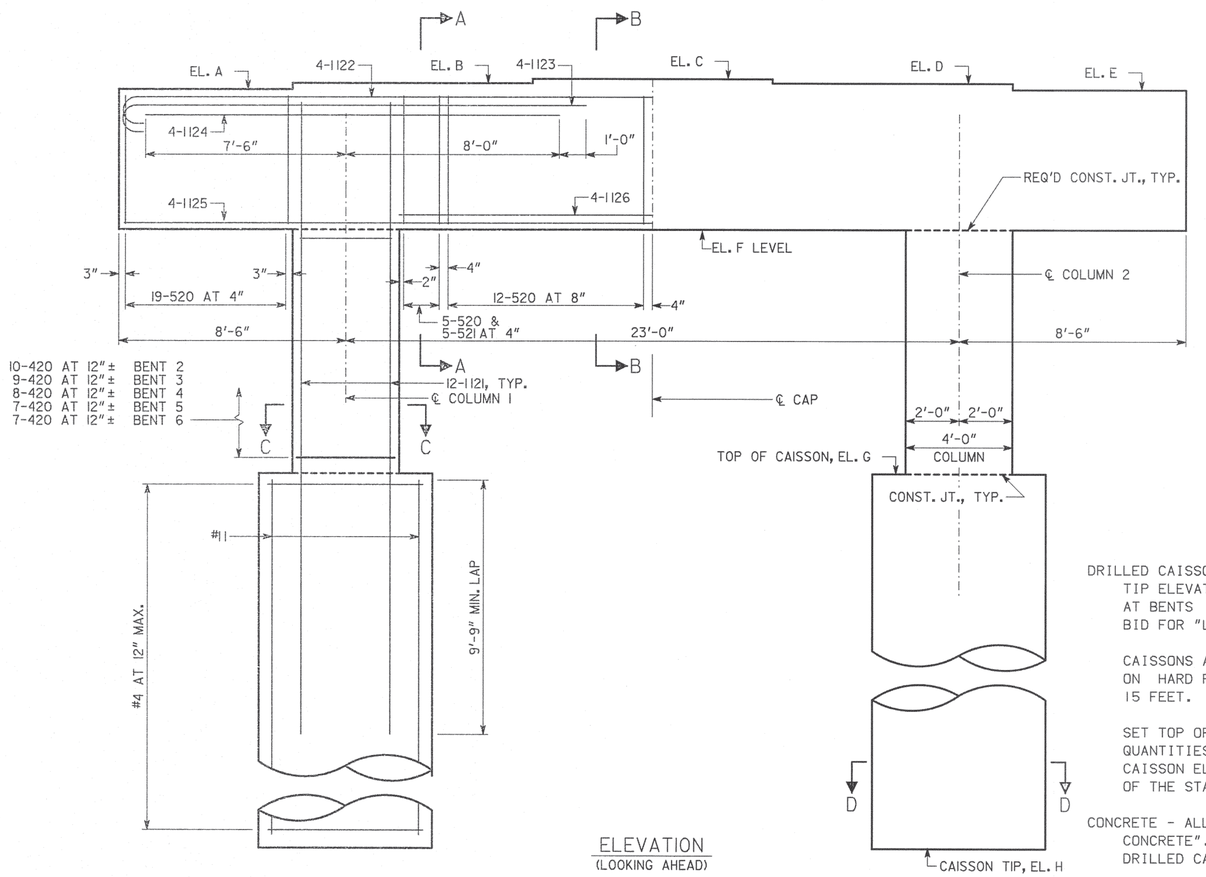
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	BRST0-2424-00(003)	106	214

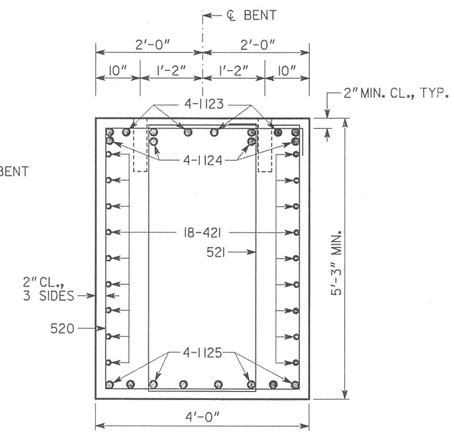


⊕ FORM 3" DIAMETER X 12" DEEP HOLE FOR DOWEL BAR

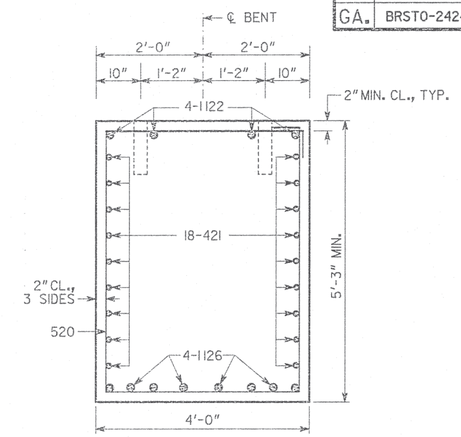
PLAN



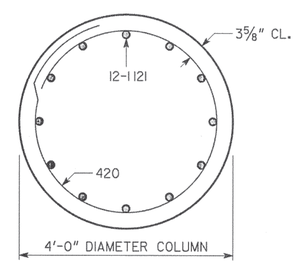
ELEVATION
(LOOKING AHEAD)



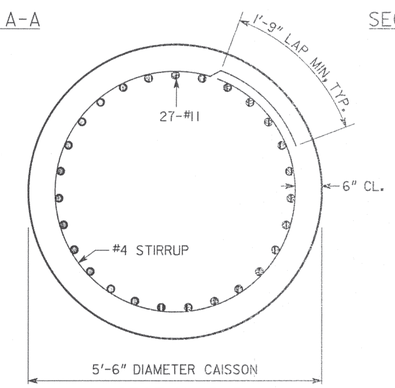
SECTION A-A



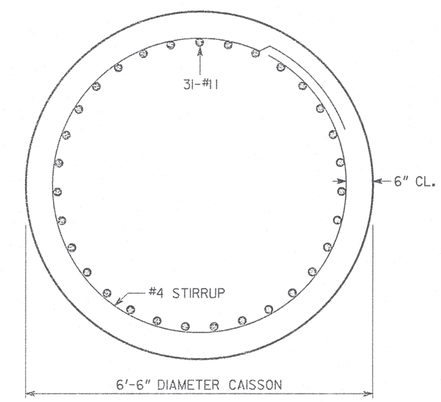
SECTION B-B



SECTION C-C



SECTION D-D
BENTS 2, 5, 6, & 7



SECTION D-D
BENTS 3 & 4

NOTES

DRILLED CAISSONS AND COLUMNS - LIMITS OF DRILLED CAISSON SHALL EXTEND FROM THE TIP ELEVATION UP TO THE TOP OF CAISSON. PERMANENT CASING SHALL BE REQUIRED AT BENTS 2 - 7. THE COST OF REQUIRED CASING SHALL BE BE INCLUDED IN PRICE BID FOR "LF DRILLED CAISSON".

CAISSONS ARE DESIGNED FOR AN ALLOWABLE END BEARING OF 80 TONS PER SQ. FT. ON HARD ROCK. CAISSONS SHALL HAVE A MINIMUM PENETRATION INTO HARD ROCK OF 15 FEET.

SET TOP OF CAISSON 1'-0" ABOVE WATER SURFACE ELEVATION AT TIME OF CONSTRUCTION. QUANTITIES ARE BASED ON AN ASSUMED WATER SURFACE OF 1071. DO NOT LOWER TOP OF CAISSON ELEVATION, AS SHOWN ON THE PLANS, MORE THAN 6'-0" WITHOUT THE APPROVAL OF THE STATE BRIDGE ENGINEER.

CONCRETE - ALL CONCRETE ABOVE THE TOP OF CAISSON IS INCLUDED IN "CY CLASS AA CONCRETE". ALL CONCRETE BELOW TOP OF CAISSON SHALL BE PAID FOR IN "LF DRILLED CAISSON".

MAINTAIN 2" CL. ON ALL REINFORCEMENT UNLESS NOTED.

BENT CAP IS SYMMETRICAL ABOUT ℄ CAP

BARS TO BE BUNDLED SHALL BE BUNDLED VERTICALLY

BUNDLING DETAIL

TABLE OF ELEVATIONS

	A	B	C	D	E	F	G	H	STA X
BENT 2	1086.38	1086.61	1086.76	1086.61	1086.38	1081.13	1072.00	995.00	36+06.00
BENT 3	1085.54	1085.77	1085.92	1085.77	1085.54	1080.29	1072.00	975.00	37+42.00
BENT 4	1084.70	1084.93	1085.08	1084.93	1084.70	1079.44	1072.00	980.00	38+78.00
BENT 5	1083.85	1084.09	1084.23	1084.09	1083.85	1078.59	1072.00	970.00	40+14.00
BENT 6	1083.01	1083.24	1083.39	1083.24	1083.01	1077.76	1072.00	980.00	41+50.00
BENT 7	1082.17	1082.40	1082.55	1082.40	1082.17	1076.92	1072.00	965.00	42+86.00

SUBSTRUCTURE QUANTITIES

ITEM	BENT 2	BENT 3	BENT 4	BENT 5	BENT 6	BENT 7
CY CLASS AA CONCRETE	40.7	40.0	39.2	38.4	37.6	36.8
LB BAR REINF STEEL	8801	8678	8545	8422	8316	8193

BRIDGE NO. 1

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

REVISIONS | DATE | BY

INTERMEDIATE BENT DETAILS
SR 284 OVER CHATTAHOOCHEE RIVER
HALL COUNTY BRST0-2424-00(003)

DRAWING NO. 35-14
BRIDGE SHEET 14 OF 17

NO SCALE SEPTEMBER 2011

DESIGNED DLW | CHECKED JRT | REVIEWED WEI/WMD
DRAWN EJC | DESIGN GROUP EJC | APPROVED BFR

1 INCH WHEN PRINTED FULL SIZE

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