DESIGN DATA

SPECIFICATIONS ---------- AASHTO 17TH EDITION, 2002
(DESIGNED FOR SEISMIC PERFORMANCE CATEGORY A)

TYPICAL HS20-44 AND/OR MILITARY LOADING ---------- IMPACT ALLOWED

FUTURE PAVING ALLOWANCE ---------- 30 LBS PER SQ FT

CONCRETE: SUPERSTRUCTURE ---------- CLASS AA, f'_c = 3,500 PSI
PSC BEAMS ---------- CLASS AAA, f'_c = SEE BEAM SHEETS
PSC BEAM ALLOWABLE TENSION ---------- SEE BEAM SHEETS
SUBSTRUCTURE ---------- CLASS AA, f'_c = 3,500 PSI

REINFORCEMENT STEEL: ---------- GRADE 60, f_y = 60,000 PSI

PRETENSIONING STRANDS: ---------- f'_s = 270,000 PSI

UTILITIES

USGS MONITORING STATION NO. 0222450 ---------- US GEOLOGICAL SURVEY

DRAINAGE DATA

DRAINAGE AREA ---------- 5110.0 SQ MILES

FLOOD FREQUENCY	TOTAL DISCHARGE	MEAN VELOCITY	AREA OF OPENING UNDER FLOODSTAGE	BACKWATER	*DISCHARGE THRU BRIDGE
50 YEAR	86400 CFS	3.07 FPS	27269 SQ FT	0.27 FT	83757 CFS
100 YEAR	95700 CFS	3.17 FPS	29179 SQ FT	0.31 FT	92510 CFS
500 YEAR	116000 CFS	3.37 FPS	33118 SQ FT	0.37 FT	111510 CFS

*THE REMAINDER OF THE ABOVE DISCHARGE FLOWS THROUGH BRIDGE NUMBERS 2 AND 3 AND A DOUBLE BARREL 6 FT. BY 5 FT. BOX CULVERT LOCATED AT STATION 220+80.

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
207-0203	70	CY	FOUND BKFILL MATL, TP II
211-0300	504	CY	BRIDGE EXCAVATION, STREAM CROSSING
500-0100	9753	SY	GROOVED CONCRETE
500-1006	LUMP	LS	SUPERSTR CONCRETE, CL AA, BR NO - 1 (2910)
500-2100	4608	LF	CONCRETE BARRIER
500-3002	854	CY	CLASS AA CONCRETE
500-3700	50	CY	SEAL CONC
507-9003	6566	LF	PSC BEAMS, AASHTO TYPE III, BR NO - 1
507-9032	4867	LF	PSC BEAMS, AASHTO, BULB TEE, 72 IN, BR NO - 1
511-1000	137564	LB	BAR REINF STEEL
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 1 (756653)
520-1125	1175	LF	PILING IN PLACE, STEEL H, HP 12 X 53
520-1147	9085	LF	PILING IN PLACE, STEEL H, HP 14 X 73
520-1151	6680	LF	PILING IN PLACE, STEEL H, HP 14 X 89
520-4125	1	EA	LOAD TEST, STEEL H, HP 12 X 53 (IF REQD)
520-4147	1	EA	LOAD TEST, STEEL H, HP 14 X 73 (IF REQD)
520-4151	1	EA	LOAD TEST, STEEL H, HP 14 X 89 (IF REQD)
525-1000	8	EA	COFFERDAM
540-1101	LUMP	LS	REMOVAL OF EXISTING BR, STA NO - 175+00
547-2014	382	LF	PILE ENCASEMENT, 14 IN PILE
603-2024	1816	SY	STN DUMPED RIP RAP, TP 1, 24 IN
603-7000	1816	SY	PLASTIC FILTER FABRIC

BRIDGE NO. 1

DATE | REVISIONS | BY

GEORGIA
DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

GENERAL NOTES SHEET
S.R. 30 (U.S. 280) OVER OCONEE RIVER
WHEELER-MONTGOMERY COUNTIES
BR000-0001-00(366)

DRAWING NO. 35-05
BRIDGE SHEET 5 OF 29

NO SCALE
JUNE 2010

DESIGNED SWW | CHECKED DLC | REVIEWED WMD/WEI
DRAWN WMC | DESIGN GROUP SWW | APPROVED PVL

FILENAME: W0001366B1.DGN