STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	CSSTP-0006-00(041)	360	495

BRIDGE CONSISTS OF

1 - 165'-0" BULB TEE, 74 IN, PSC BEAM SPAN ---------- SPECIAL DESIGN

1 - 155'-0" BULB TEE, 74 IN, PSC BEAM SPAN ---------- SPECIAL DESIGN

2 - STEEL H PILE END BENTS ---------- SPECIAL DESIGN

1 - CONCRETE INTERMEDIATE BENT ---------- SPECIAL DESIGN

4 - END POST AND GUARDRAIL ATTACHMENT DETAIL ------- GA. STD. 3054 (9-30-02)
(L = 4'-6"; W = 1'-1"; H = 2'-8")
(L = 5'-3"; W = 1'-1"; H = 2'-10")
(L = 4'-6"; W = 1'-1"; H = 2'-10")
(L = 5'-3"; W = 1'-1"; H = 2'-8")

BAR BENDING DETAILS ---------- GA. STD. 3901 (8-69)

CHAIN LINK WIRE FENCE ---------- GA. STD. 903IN (8-13-85)

TYPICAL FILL DETAIL AT END OF BRIDGE ---------- GA. STD. 9037 (9-99)

CONSTRUCTION SEQUENCE

1. CONSTRUCT THE NEW BRIDGE.

2. SHIFT TRAFFIC TO NEW BRIDGE.

3. REMOVE BRIDGE BARRIER AND ENDPOSTS ON THE HIGH SIDE OF THE EXISTING BRIDGE. REMOVE SLAB AS DETAILED IN BRIDGE PLANS ON EXISTING BRIDGE DETAILS SHEET.

4. CONSTRUCT REQUIRED PORTION OF SLAB, PARAPET, SIDEWALK, AND ENDPOSTS ON THE HIGH SIDE OF THE EXISTING BRIDGE. SEAL JOINTS AND BRIDGE DECK.

5. OPEN COMPLETED BRIDGE TO TRAFFIC.

THE AFOREMENTIONED SEQUENCE SHALL BE COORDINATED WITH ROADWAY OPERATIONS, SEE ROADWAY PLANS. IN LIEU OF THE ABOVE CONSTRUCTION SEQUENCE, THE CONTRACTOR MAY SUBMIT A PROPOSED CONSTRUCTION SEQUENCE FOR APPROVAL.

TRAFFIC DATA

TRAFFIC ---------- ADT = 28100 (2012)
ADT = 52450 (2032)

DESIGN SPEED ---------- 45 MPH

TRUCKS ---------- 3 %

24 HR TRUCKS ---------- 5 %

DIRECTIONAL ---------- 60 %

UTILITIES ON NEW BRIDGE

NONE

EXISTING UTILITIES ON EXISTING BRIDGE

GAS MAIN ---------- ATLANTA GAS LIGHT COMPANY

TELEPHONE CONDUITS ---------- AT&T

WATER MAIN ---------- CHEROKEE CO. WATER WORKS

WATER MAIN ---------- CITY OF HOLLY SPRINGS

DESIGN DATA

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

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_s = 60,000 PSI

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

SUMMARY OF QUANTITIES

	PAY ITEM NUMBER	NEW BRIDGE	EXISTING BRIDGE	UNIT	PAY ITEM
⚠	207-0203	15	----	CY	FOUND BKFILL MATL, TP II
	211-0200	111	----	CY	BRIDGE EXCAVATION, GRADE SEPARATION
⚠	441-0004	800 ~~746~~	----	SY	CONC SLOPE PAV, 4 IN
	500-0100	1711	----	SY	GROOVED CONCRETE
	500-1006	LUMP	----	LS	SUPERSTR CONCRETE, CL AA, BR NO - 1 NEW (664)
	500-1006	----	LUMP	LS	SUPERSTR CONCRETE, CL AA, BR NO - 1 EXIST (27)
	500-2100	314	----	LF	CONCRETE BARRIER
	500-2110	316	313	LF	CONCRETE PARAPET, SPCL DESIGN
⚠	500-3002	192 ~~189~~	----	CY	CLASS AA CONCRETE
	507-9033	3180	----	LF	PSC BEAMS, AASHTO, BULB TEE, 74 IN, BR NO - 1 NEW
⚠2 ⚠	511-1000	43150 ~~40340~~ ~~39200~~	----	LB	BAR REINF STEEL
⚠4	511-3000	LUMP	----	LS	SUPERSTR REINF STEEL, BR NO - 1 NEW (59780) (~~61690~~)
	514-1000	LUMP	----	LS	EPOXY COATED SUPERSTR REINF STEEL, BR NO - 1 NEW (64210)
	514-1000	----	LUMP	LS	EPOXY COATED SUPERSTR REINF STEEL, BR NO - 1 EXIST (7970)
⚠2 ⚠	520-1151	915 ~~800~~	----	LF	PILING IN PLACE, STEEL H, HP 14 X 89
	520-1179	420	----	LF	PILING IN PLACE, STEEL H, HP 14 X 117
	520-4151	1	----	EA	LOAD TEST, STEEL H, HP 14 X 89 (IF REQD)
	520-4179	1	----	EA	LOAD TEST, STEEL H, HP 14 X 117 (IF REQD)
⚠2 ⚠	520-5000	255 ~~90~~	----	LF	PILOT HOLES
	540-1202	----	LUMP	LS	REMOVAL OF PARTS OF EXISTING BR, BR NO - 1 EXIST

USE ON CONSTRUCTION

BRIDGE NO. 1

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

GENERAL NOTES - SHEET 1
C. R. 779 (SIXES RD) OVER I-575
CHEROKEE COUNTY CSSTP-0006-00(041)

BY	REVISIONS	DATE
JH-D	REVISED QUANTITIES	05/27/2011
JH-D	REVISED QUANTITIES	10/06/2011
JH-D	REVISED QUANTITIES	02/10/2012
JH-D	REVISED QUANTITY	04/26/2012

DRAWING NO. 35-02
BRIDGE SHEET 2 OF 25

NO SCALE SEPTEMBER 2010

DESIGNED J.H.-D. CHECKED W.E.I. REVIEWED W.E.I./W.M.D.
DRAWN E.M.M. DESIGN GROUP P.S.R. APPROVED P.V.L.

GENERAL NOTE SHEET.DGN