STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	CSMSL-0008-00(690)	482	730

RELEASED FOR CONSTRUCTION: 05/21/2013
USE ON CONSTRUCTION: 08/01/2014
USE ON CONSTRUCTION: 10/07/2015

BRIDGE CONSISTS OF

1 - 102'-6" BULB TEE, 63 IN, PSC BEAM SPAN ---------- SPECIAL DESIGN

2 - PSC PILE END BENTS ---------- SPECIAL DESIGN

4 - END POST AND GUARDRAIL ATTACHMENT DETAIL ------- GA. STD. 3054 (9-30-02)
2 - (L = 4'-0"; W = 1'-1"; H = 3'-6")
2 - (L = 4'-9"; W = 1'-1"; H = 3'-6")

SQUARE PRESTRESSED CONCRETE PILES ---------- SPECIAL DESIGN
SEE DRAWING NO. 37-01 TO 37-05

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

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

TRAFFIC DATA

TRAFFIC ---------- ADT = 23,360 (2012)
ADT = 30,880 (2032)

DESIGN SPEED ---------- 55 MPH

TRUCKS ---------- 60 %

24 HR TRUCKS ---------- 55 %

DIRECTIONAL ---------- 54 %

UTILITIES

NO UTILITIES ON BRIDGE

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2001 EDITION, AND 2008 SUPPLEMENTAL SPECIFICATIONS AS MODIFIED BY CONTRACT DOCUMENTS.

SHOP DRAWINGS - SUBMIT SHOP DRAWINGS TO ENGINEER OF RECORD (EOR) FOR INITIAL REVIEW AND APPROVAL. ONCE APPROVED AND STAMPED BY EOR, EOR SHALL SUBMIT 6 STAMPED SETS TO THE GEORGIA DOT OFFICE OF BRIDGES AND STRUCTURES FOR REVIEW AND APPROVAL.

REINFORCING STEEL - PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL.

CHAMFER - CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" UNLESS OTHERWISE NOTED.

PROTECTIVE PLATFORMS - PROVIDE PROTECTIVE PLATFORMS AT THIS SITE, SEE SECTION 510 OF THE GEORGIA DOT SPECIFICATIONS. MAINTAIN A MINIMUM VERTICAL CLEARANCE OF 16'-9" ABOVE CROSSGATE ROAD.

TRAFFIC CONTROLS - SEE ROADWAY PLANS FOR TRAFFIC CONTROLS AND TRAFFIC CONTROL PAYMENT.

WAITING PERIOD - DO NOT BEGIN WORK AT BENTS 1 AND 2 UNTIL THE COMPLETED END FILLS ARE IN PLACE AND SETTLEMENT IS COMPLETE. ESTABLISH SETTLEMENT MONITORING POINTS AT EACH BRIDGE BENT LOCATION. SETTLEMENTS ARE TO BE READ BY A SURVEYOR AT LEAST TWICE WEEKLY. ONCE THE CUMULATIVE SETTLEMENT, OVER A PERIOD OF 3 WEEKS, DOES NOT EXCEED ¼ OF AN INCH, THE SETTLEMENT IS CONSIDERED TO HAVE CEASED.

PLAN DRIVING OBJECTIVE - SEE SUBSTRUCTURE DETAILS.

PDA TESTING - PERFORM PILE TESTING USING THE PILE DRIVING ALAYZER (PDA) IN ACCORDANCE WITH SPECIAL PROVISION SECTION 523. NOTIFY THE GEOTECHNICAL BUREAU OF THE GEORGIA DOT OFFICE OF MATERIALS AT 404-608-4720 TWO WEEKS PRIOR TO DRIVING PILES.

WAVE EQUATION - PERFORM WAVE EQUATION ANALYSIS (WEAP) IN ACCORDANCE WITH SPECIAL PROVISION 520. PROVIDE RESULTS OF THE WEAP TO THE GEOTECHNICAL BUREAU OF THE GEORGIA DOT FOR REVIEW AND APPROVAL TWO WEEKS PRIOR TO DRIVING PILES.

GENERAL NOTES (CONTINUED)

TEST PILES - DRIVE TEST PILES AT THE FOLLOWING LOCATIONS:

ONE 18 IN SQ PSC X 87 FT AT BENT 1
ONE 18 IN SQ PSC X 58 FT AT BENT 2

SMOOTH DOWEL BARS - PLACE SMOOTH DOWEL BARS IN FORMED 3" DIAMETER X 12" DEEP HOLES AND GROUT IN PLACE SIMILAR TO ANCHOR BOLTS, SEE SUB-SECTION 501.3.05.B.3 OF THE GEORGIA DOT SPECIFICATIONS. STIRRUPS MAY BE SHIFTED SLIGHTLY TO CLEAR FORMED HOLES.

ABUTMENT SOIL REINFORCING DEVICE INSERTS - INCLUDE THE COST OF FURNISHING AND INSTALLING INSERTS FOR SOIL REINFORCING DEVICES AT ABUTMENT IN THE OVERALL BID SUBMITTED.

FILL SETTLEMENT - PROTECT PILES DRIVEN AT BENTS 1 AND 2 FROM NEGATIVE SKIN FRICTION WHEN USED IN CONJUNCTION WITH MECHANICALLY STABILIZED EARTH WALLS, SEE SECTION 551 OF THE GEORGIA DOT SPECIFICATIONS. DRIVE PILES AT END BENTS BEFORE WALL LEVELING PADS ARE CONSTRUCTED.

GROOVED CONCRETE - GROOVE THE ENTIRE LENGTH OF THE BRIDGE TRANSVERSELY AS PER SUB-SECTION 500.3.05.T.9.C OF THE GEORGIA DOT SPECIFICATIONS.

RIDING QUALITY - THE FINISHED BRIDGE DECK AND APPROACH SLABS SHALL MEET THE RIDE QUALITY REQUIREMENTS AS SPECIFIED IN SUB-SECTION 500.3.06.E OF THE GEORGIA DOT SPECIFICATIONS FOR STATE ROUTES WITH FOUR LANES OR MORE.

WELDING - ALL WELDING ON GEORGIA DOT PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE OFFICE OF MATERIALS AND RESEARCH. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

INCIDENTAL ITEMS - INCLUDE THE COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF WATERPROOFING, JOINT FILLERS, AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

DESIGN BUILD PROJECT - THIS IS A DESIGN BUILD PROJECT AND QUANTITIES ARE PROVIDED FOR INFORMATION ONLY.

DESIGN DATA

SPECIFICATIONS ---------- AASHTO LRFD 5TH EDITION, 2010
(DESIGNED FOR SEISMIC PERFORMANCE ZONE 2)

TYPICAL HL-93 LOADING ---------- IMPACT ALLOWED

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

CONCRETE: SUPERSTRUCTURE ---------- CLASS D, f'_c = 4,000 PSI
BARRIER ---------- CLASS D, f'_c = 4,000 PSI
PSC BEAMS ---------- CLASS AAA, f'_c = 7,800 PSI
PSC BEAM ALLOWABLE TENSION ---------- 265 PSI
SUBSTRUCTURE ---------- CLASS A, f'_c = 3,000 PSI

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

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

SUMMARY OF QUANTITIES

	PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
	500-0100	776	SY	GROOVED CONCRETE
	500-1011	LUMP	LS	SUPERSTR CONCRETE, CL D, BR NO - 1 (322)
	500-2100	193	LF	CONCRETE BARRIER
1	500-3101	68 ~~66~~	CY	CLASS A CONCRETE
	507-9031	804	LF	PSC BEAMS, AASHTO, BULB TEE, 63 IN, BR NO - 1
1	511-1000	7836 ~~7810~~	LB	BAR REINF STEEL
2	511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 1 ~~(68444)~~ 68594
	520-2218	1235	LF	PILING, PSC, 18 IN SQ
	520-3218	2	EA	TEST PILE, PSC, 18 IN SQ
	520-4218	1	EA	LOAD TEST, PSC, 18 IN SQ (IF REQD)

BRIDGE NO. 2

REVISIONS		BY	DATE
1	ADDITIONAL CAP WIDTH	BSB	08/01/2014
2	CORRECTED ENDWALL REINF.	BSB	12/02/2014

THE LPA GROUP
A DIVISION OF CARGILL DECKER CORPORATION

THE LPA GROUP INCORPORATED
TRANSPORTATION CONSULTANTS
3595 ENGINEERING DRIVE
NORCROSS, GEORGIA 30092
(770) 263-9118

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

GENERAL NOTES
JIMMY DELOACH CONNECTOR
OVER CROSSGATE ROAD
CHATHAM COUNTY CSMSL-0008-00(690)

DRAWING NO. 35-11
BRIDGE SHEET 2 OF 9

SCALE: NONE MAY 2013

DESIGNED BSB CHECKED ANZ REVIEWED DLC/WMD
DRAWN BSB DESIGN GROUP AWB/SKG APPROVED BFR

1 INCH WHEN PRINTED FULL SIZE