STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NH000-0085-02(153)	236	480

GENERAL NOTES

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

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 17'-0" ABOVE SIDNEY MARCUS BLVD, SR 400 SB, SR 400 NB, I-85 SB RAMP TO SR 13 SB, I-85 NB, AND SR 13 NB RAMP TO I-85 NB.

TEMPORARY SHORING - INCLUDE THE COST OF TEMPORARY SHORING IF NECESSARY FOR BENT 11 IN THE OVERALL BID SUBMITTED.

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

WAITING PERIOD - NONE REQUIRED.

FOOTING ELEVATIONS - DO NOT LOWER FOOTING ELEVATIONS, AS SHOWN ON THE PLANS, MORE THAN 3'-0" WITHOUT THE APPROVAL OF THE STATE BRIDGE ENGINEER.

PLAN DRIVING OBJECTIVE - SEE SUBSTRUCTURE DETAILS.

PDA TESTING - PILE DATA ANALYZER WILL BE UTILIZED BY THE CONTRACTOR DURING THE PILE DRIVING OPERATION AT BENTS 4, 9, 14 AND 18. FORWARD RESULTS TO THE GEOTECHNICAL ENGINEERING BUREAU.

PILOT HOLES - DRILL 24" DIAMETER PILOT HOLES IF THE MINIMUM TIP ELEVATIONS CANNOT BE ACHIEVED AT BENTS 5 AND 8 THROUGH 13.

PILOT HOLES - DRILL 24" DIAMETER PILOT HOLES TO A MINIMUM ELEVATION OF 785.00 AT BENT 15, 779.00 AT BENT 18, AND 781.00 AT BENT 19 FOR EACH PILE ONLY IF THE MINIMUM TIP ELEVATION CANNOT BE ACHIEVED. BACKFILL HOLE WITH CLASS A CONCRETE TO THE TOP OF ROCK IN ACCORDANCE WITH SPECIAL PROVISION 520.

PILE POINTS - REINFORCE ALL PILE TIPS AT BENTS 2 THRU 19 AND 21 IN ACCORDANCE WITH SECTIONS 520 AND 855 OF THE GEORGIA DOT SPECIFICATION.

DRIVING DATA PILES - ONE DRIVING DATA PILE SHALL BE REQUIRED AT EACH OF BENTS 4, 8, 12, 16, AND 21.

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 BENT 1 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

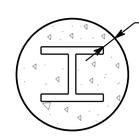
STANDARD PLAN MODIFICATION - MODIFY THE APPROACH SLAB STANDARD TO INCREASE THE 3/4" EXPANSION JOINT SHOWN BETWEEN THE APPROACH SLAB AND THE BACK FACE PAVING REST AND END POST TO 1¼". SEE ROADWAY PLANS FOR APPROACH SLAB PAYMENT.

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.

HIGH PERFORMANCE CONCRETE (HPC) - PRESTRESSED CONCRETE BEAMS FOR SPANS 1, 5, 9, 10 & 11 OF THIS BRIDGE UTILIZE HIGH PERFORMANCE CONCRETE. SPECIAL REQUIREMENTS ARE REQUIRED AS DETAILED IN SPECIAL PROVISION SECTIONS 500 AND 865. HPC BEAMS WILL BE PAID FOR AS "PSC BEAMS".

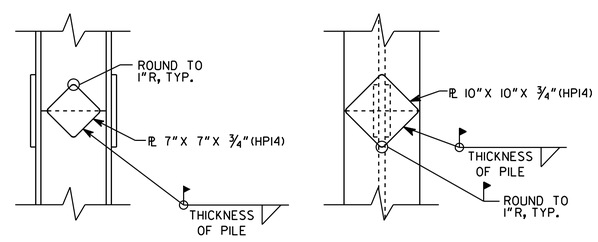
WELDING - ALL WELDING ON GEORGIA DOT PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE OFFICE OF MATERIALS AND RESEARCH. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

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 WATERPROOFING, JOINT FILLERS, AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.



24" DIAMETER PILOT HOLE FILLED WITH CLASS "A" CONCRETE TO AN ELEVATION LEVEL WITH TOP OF ROCK. COST OF CLASS "A" CONCRETE SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED.

PILOT HOLE DETAIL
BENTS 15, 18 & 19
NOT TO SCALE



SPLICE DETAILS FOR PILES

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
211-0200	978	CY	BRIDGE EXCAVATION, GRADE SEPARATION
500-0100	8500	SY	GROOVED CONCRETE
500-1006	LUMP	LS	SUPERSTR CONCRETE, CL AA, BR NO - 4 (2933)
500-2100	5464	LF	CONCRETE BARRIER
500-3002	2158	CY	CLASS AA CONCRETE
507-9032	2245	LF	PSC BEAMS, AASHTO, BULB TEE, 72 IN, BR NO - 4
507-9033	8927	LF	PSC BEAMS, AASHTO, BULB TEE, 74 IN, BR NO - 4
511-1000	540269	LB	BAR REINF STEEL
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 4 (344900)
514-1000	LUMP	LS	EPOXY COATED SUPERSTR REINF STEEL, BR NO - 4 (372151)
520-0597	96	EA	H-PILE POINTS, HP 14 X 117
520-1147	190	LF	PILING IN PLACE, STEEL H, HP 14 X 73
520-1179	3222	LF	PILING IN PLACE, STEEL H, HP 14 X 117
520-4147	1	EA	LOAD TEST, STEEL H, HP 14 X 73 (IF REQD)
520-4179	1	EA	LOAD TEST, STEEL H, HP 14 X 117 (IF REQD)
520-5000	269	LF	PILOT HOLES
524-0010	350	LF	DRILLED CAISSON - 48IN
544-1000	LUMP	LS	DECK DRAIN SYSTEM, BR NO - 4

BRIDGE NO.4

AS-BUILT

DRAWING NO. 35.4 - 5

BRIDGE SHEET 5 OF 50

BY	REVISIONS	DATE

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

GENERAL NOTES
SR 400 SOUTHBOUND TO I-85 NORTHBOUND FLYOVER
SR 400/I-85 CONNECTOR RAMPS
FULTON COUNTY NH000-0085-02(153)

NO SCALE MARCH 2012

DESIGNED BCB/GBL CHECKED MS/KAK REVIEWED
DRAWN DB/BCB DESIGN GROUP APPROVED

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