STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	BHNLB-9073-00(016) BRNLB-9073-00(018)	119	444

BRIDGE CONSISTS OF

1 - 27'-4" FLAT SLAB SPAN ---------- SPECIAL DESIGN

1 - 54'-6" TYPE III PSC BEAM SPAN ---------- SPECIAL DESIGN

1 - 65'-0" TYPE III PSC BEAM SPAN ---------- SPECIAL DESIGN

1 - 55'-6" TYPE III PSC BEAM SPAN ---------- SPECIAL DESIGN

1 - 55'-0" TYPE III PSC BEAM SPAN ---------- SPECIAL DESIGN

1 - 89'-5 5/8" BULB TEE, 63 IN, PSC BEAM SPAN ---------- SPECIAL DESIGN

1 - 121'-9" BULB TEE, 63 IN, PSC BEAM SPAN ---------- SPECIAL DESIGN

1 - 2 SPAN PLATE GIRDER CONTINUOUS UNIT ---------- SPECIAL DESIGN
(160'-0", 215'-0")

1 - 81'-6" TYPE III PSC BEAM SPAN ---------- SPECIAL DESIGN

1 - 70'-6" TYPE III PSC BEAM SPAN ---------- SPECIAL DESIGN

1 - SPREAD FOOTING CONCRETE ABUTMENT ---------- SPECIAL DESIGN

1 - DRILLED SHAFT CONCRETE ABUTMENT ---------- SPECIAL DESIGN

9 - CONCRETE INTERMEDIATE BENTS ---------- SPECIAL DESIGN

BRIDGE JACKING ---------- SPECIAL DESIGN

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

CHAIN LINK WIRE FENCE ---------- GA. STD. 9031N (8-13-85)

TRAFFIC DATA

TRAFFIC ---------- ADT = 17,350 (2018)
ADT = 25,750 (2038)

DESIGN SPEED ---------- 30 MPH

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

24 HR TRUCKS ---------- 6 %

DIRECTIONAL ---------- 100 %

UTILITIES

NO UTILITIES ON BRIDGE

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
SUPERSTRUCTURE (SPAN 1 ONLY) ---------- CLASS AA-1, f'_c = 4,500 PSI
BARRIER ---------- CLASS AA, f'_c = 3,500 PSI
PSC BEAMS ---------- CLASS AAA, f'_c = SEE BEAM SHEETS
PSC BEAM ALLOWABLE TENSION ---------- SEE BEAM SHEETS
SUBSTRUCTURE (PIERS 1-4, 17-19)---------- CLASS AA-1, f'_c = 4,500 PSI
SUBSTRUCTURE (PIERS 14, 15 & 16)---------- CLASS AAA, f'_c = 6,000 PSI
SUBSTRUCTURE (ABUTMENT 1) ---------- CLASS AA, f'_c = 3,500 PSI

STRUCTURAL STEEL BEAMS ---------- SERVICE LOAD DESIGN

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

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

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.

RAILROAD SIDE DITCHES - PRIOR TO THE BEGINNING OF CONSTRUCTION, CLEAN THE RAILROAD SIDE DITCHES IN THE CONSTRUCTION AREA IN SUCH A MANNER AS TO PROVIDE POSITIVE DRAINAGE. MAINTAIN THE RAILROAD SIDE DITCHES FREE OF SILT AND DEBRIS UNTIL FINAL ACCEPTANCE. SEE ROADWAY PLANS FOR EROSION CONTROL AND PAYMENT.

PROTECTIVE PLATFORMS - PROVIDE PROTECTIVE PLATFORMS AT THIS SITE, SEE SECTION 510 OF THE GEORGIA DOT SPECIFICATIONS. MAINTAIN A MINIMUM VERTICAL CLEARANCE OF 22'-0" ABOVE CSX TRANSPORTATION, 16'-0" ABOVE LOWER WALL STREET, AND 1'-0" ABOVE THE AJC BUILDING. PROVIDE PROTECTIVE PLATFORMS TO PROTECT MARTA TRACKS ADJACENT TO SPAN 15. PROTECTIVE PLATFORMS ARE ALSO REQUIRED TO PROTECT THE EMERGENCY EGRESS FROM ADJACENT BUILDINGS NEAR STATION 13+00 LEFT AND STATION 27+00 RIGHT.

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

EXISTING BRIDGE PLANS - ORIGINAL BRIDGE PLANS ARE INCLUDED IN THE CONTRACT DOCUMENTS.

DIMENSIONS AND ELEVATIONS - VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO ORDERING MATERIALS OR BUILDING FORMS. LIGHT LINES INDICATE THE EXISTING STRUCTURE AND HEAVY LINES INDICATE THE NEW STRUCTURE.

EPOXY RESIN ADHESIVE - APPLY EPOXY RESIN ADHESIVE TYPE II TO ALL HARDENED CONCRETE SURFACES JUST PRIOR TO POURING THE CONCRETE FOR THE NEXT STAGE OF CONSTRUCTION, SEE SECTION 886 OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE THE COST OF EPOXY ADHESIVE AND ITS APPLICATION IN THE OVERALL BID SUBMITTED.

EXISTING REINFORCEMENT - BEND EXISTING REINFORCEMENT TO BE UTILIZED IN NEW CONSTRUCTION IN A MANNER TO PROVIDE THE MAXIMUM LAP POSSIBLE OR AS SHOWN ON THE PLANS. THOROUGHLY CLEAN EXISTING REINFORCEMENT OF CONCRETE SCALE AND RUST BEFORE BONDING INTO NEW CONSTRUCTION.

WAITING PERIOD - NONE REQUIRED.

MASS CONCRETE - BRIDGE CONTAINS COMPONENTS SUBJECT TO MASS CONCRETE REQUIREMENTS, SEE SPECIAL PROVISION SECTION 500 - CONCRETE STRUCTURES. NO SEPARATE MEASUREMENT AND PAYMENT WILL BE MADE FOR MASS CONCRETE. INCLUDE ALL COSTS, INCLUDING INCIDENTALS, IN THE OVERALL BID SUBMITTED.

FOUNDATION BACKFILL MATERIAL - PLACE 2'-0" OF TYPE II FOUNDATION BACKFILL MATERIAL UNDER ABUTMENT 1. THE QUANTITY IS BASED ON THE PLAN FOOTING DIMENSIONS.

VIBRATION MONITORING - THE PROJECT ENGINEER SHOULD CONTACT THE GEOTECHNICAL BUREAU OF THE GEORGIA DOT OFFICE OF MATERIALS AT 404-608-4720 TWO WEEKS PRIOR TO BRIDGE DEMOLITION.

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.

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 TO 1". 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.

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.

CHARPY V-NOTCH TEST - ALL W-BEAMS AND ALL COMPONENTS OF ALL PLATE GIRDERS ARE MAIN LOAD CARRYING MEMBERS SUBJECT TO TENSILE STRESS AND SHALL MEET THE CHARPY V-NOTCH TEST REQUIREMENTS AS SPECIFIED BY SECTION 851 OF THE GEORGIA DOT SPECIFICATIONS.

CHAIN LINK FENCE - CHAIN LINK FENCE SHALL BE PAID FOR AS "LF CH LK FENCE, ZC COAT, 6 FT, 9 GA".

GENERAL NOTES CONTINUED

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. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

JACKING OF EXISTING BRIDGE - RAISE EXISTING STRUCTURE AS SHOWN ON 35-004A. SEE SECTION 518 OF THE GEORGIA DOT SPECIFICATIONS.

PAINT - CLEAN AND PAINT ALL STRUCTURAL STEEL WITH PAINT SYSTEM VII AS PER SECTION 535 OF THE GEORGIA DOT SPECIFICATIONS. PAINT COLOR SHALL BE FEDERAL STANDARD NO. 595, COLOR 36622.

SALVAGE MATERIAL - NO MATERIAL REMOVED FROM THE EXISTING STRUCTURE SHALL BE SALVAGED FOR USE BY THE GEORGIA DOT.

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 CLEANING AND BENDING OF EXISTING REINFORCEMENT, WATERPROOFING, JOINT FILLERS, AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

HAZARDOUS MATERIAL - SHOULD INSTALLATION OF THE CAISSONS WITHIN THE RAILROAD EASEMENT REQUIRE DEWATERING AND/OR DISPOSAL OF SOIL CUTTINGS, SAMPLES OF SOIL AND GROUNDWATER SHOULD BE SUBMITTED FOR ANALYSIS TO DETERMINE IF SPECIAL DISPOSAL/HANDLING REQUIREMENTS ARE NECESSARY.

AJC BUILDING - ALL REFERENCES TO THE AJC BUILDING ARE TO THE STRUCTURE ADJACENT TO SPAN 17, FORMERLY HOUSING THE AJC AND NOW OWNED BY THE CITY OF ATLANTA.

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
154-1000	LUMP	LS	CONSTRUCTION VIBRATION MONITORING
207-0203	129	CY	FOUND BKFILL MATL, TP II
211-0200	200	CY	BRIDGE EXCAVATION, GRADE SEPARATION
△3 443-1000	2 ~~1~~	EA	ELASTOMERIC PROFILE BRIDGE JOINT SEALS, BR NO - 1, BENT NO - 5
△3 500-0100	4636 ~~4628~~	SY	GROOVED CONCRETE
△4 △3 △2 500-1006	LUMP	LS	SUPERSTR CONCRETE, CL AA, BR NO - 1 ~~(2264)~~ 2268
500-1008	LUMP	LS	SUPERSTR CONCRETE, CL AA-1, BR NO - 1 (94)
△4 △3 △2 500-2110	884 ~~882~~	LF	CONCRETE PARAPET, SPCL DESIGN
500-3002	510	CY	CLASS AA CONCRETE
500-3600	670	CY	CLASS AAA CONCRETE
500-3650	583	CY	CLASS AA-1 CONCRETE
501-3000	LUMP	LS	STR STEEL, BR NO - 1 (1282147)
507-9003	3288	LF	PSC BEAMS, AASHTO TYPE III, BR NO - 1
507-9031	1873	LF	PSC BEAMS, AASHTO, BULB TEE, 63 IN, BR NO - 1
509-0001	LUMP	LS	PRESTRESSING CAST-IN-PLACE CONC, BR NO - 1 (11623)
△3 511-1000	~~340865~~ 340884	LB	BAR REINF STEEL
△4 △3 △2 511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 1 ~~(504355)~~ 504482
518-1000	LUMP	LS	RAISE EXISTING BRIDGE, STA - 17+71
521-3000	14	SF	PATCHING CONCRETE BRIDGE
524-0010	703	LF	DRILLED CAISSON - 60 IN
524-0010	319	LF	DRILLED CAISSON - 66 IN
524-0010	126	LF	DRILLED CAISSON - 84 IN
528-0500	LUMP	LS	EPOXY PRESSURE INJECTION OF CONCRETE CRACKS, BR NO - 1
540-1201	LUMP	LS	REMOVAL OF PARTS OF EXISTING BR, STA NO - 12+17
544-1000	LUMP	LS	DECK DRAIN SYSTEM, BR NO - 1
△1 581-1000	LUMP	LS	POT BEARING, BR NO - 1 (18)
643-1152	276	LF	CH LK FENCE, ZC COAT, 6 FT, 9 GA

USE ON CONSTRUCTION

BRIDGE NO. 1

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

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

GENERAL NOTES
SPRING STREET VIADUCT OVER
CSX TRANSPORTATION

FULTON COUNTY — BHNLB-9073-00(016) BRNLB-9073-00(018)

NO SCALE — JULY 2013

REVISIONS	BY	DATE
REVISED QUANTITY	KAK	10-18-2013
REVISED QUANTITIES	KAK	10-03-2014
REVISED QUANTITIES	TBS	3-27-2015
REVISED QUANTITIES	TBS	05-07-2015

DRAWING NO. 35 - 004

BRIDGE SHEET 4 OF 79

DESIGNED KAK — CHECKED RLF/GBL — REVIEWED WMD/DLC
DRAWN JRL — DESIGN GROUP SWW — APPROVED BFR

1 INCH WHEN PRINTED FULL SIZE

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