STATE	PROJECT P.I. NUMBER	SHEET NO.	TOTAL SHEETS
GA.	M004124	37	68

WORK CONSISTS OF

1. REMOVAL OF PORTIONS OF EXISTING DECKS AND EDGE BEAMS AT BENTS 1 AND 4.
2. REPLACEMENT OF EXISTING BEARINGS.
3. RECONSTRUCTION OF BACKWALL, DECK, AND EDGE BEAM.
4. INSTALLATION OF NEW EXPANSION JOINTS AT BENTS 1 AND 4.
5. INSTALLATION OF NEW APPROACH SLAB JOINTS AT BENTS 1 AND 4.
6. CLEAN DEBRIS FROM EXISTING BRIDGE SEATS AT BENTS 1 AND 4.
7. REPAIR UNDERMINED SLOPE PAVING.
8. INSTALLATION OF A POLYMER OVERLAY OVER REPAIRED PORTIONS OF THE DECK SURFACE.

BRIDGE CONSISTS OF

2 - JOINT REPLACEMENTS ---------- SPECIAL DESIGN

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

EXISTING UTILITIES

3-4 INCH CONDUITS ---------- GDOT

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.

EPOXY COATED BARS - REINFORCING BARS NUMBERED IN THE 490 SERIES SHALL BE EPOXY COATED AS PER SECTION 514 OF THE GEORGIA DOT SPECIFICATIONS.

CONCRETE - CONCRETE SHALL BE 24 HOUR ACCELERATED STRENGTH AND BE IN ACCORDANCE WITH SECTION 504 OF THE GEORGIA DOT SPECIFICATIONS.

CHAMFER - CHAMFER ALL EXPOSED CONCRETE EDGES ¾" UNLESS OTHERWISE NOTED.

TEMPORARY SHORING - INCLUDE THE COST OF TEMPORARY SHORING AS NECESSARY FOR BRIDGE CONSTRUCTION IN THE OVERALL BID SUBMITTED.

TEMPORARY BARRIERS, METHOD 1 - PLACE TEMPORARY BARRIERS AS SHOWN ON THE PLANS AND GEORGIA STANDARD NO. 4960 TO PROVIDE FOR TWO 11'-0" TRAFFIC LANES. SUPPLY AND USE THE BARRIER IN ACCORDANCE WITH SPECIAL PROVISION SECTION 620. QUANTITY INCLUDED IN ROADWAY PLANS.

TEMPORARY BARRIERS, METHOD 2 - PLACE TEMPORARY BARRIERS AS SHOWN ON THE PLANS AND GEORGIA STANDARD NO. 4960 TO PROVIDE FOR TWO 11'-0" TRAFFIC LANES. SUPPLY AND USE THE BARRIER IN ACCORDANCE WITH SPECIAL PROVISION SECTION 620.

TRAFFIC CONTROLS - SEE SPECIAL PROVISIONS FOR TRAFFIC CONTROLS AND TRAFFIC CONTROL PAYMENT.

EXISTING BRIDGE PLANS - ORIGINAL BRIDGE PLANS MAY BE PURCHASED BY CONTACTING THE PLANS REPRODUCTION OFFICE AT (404) 347-0600. THE ORIGINAL BRIDGE WAS BUILT UNDER PROJECT NUMBER I-285-1(48)105 AND WAS WIDENED UNDER PROJECT NUMBER I-285-1(148) CT.3.

DIMENSIONS AND ELEVATIONS - VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO ORDERING MATERIALS OR BUILDING FORMS.

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. WHERE EXISTING REINFORCEMENT TO BE RETAINED IN THE NEW CONSTRUCTION IS DAMAGED OR REMOVED, REPLACE WITH REINFORCEMENT OF THE SAME SIZE AND SPACING. WHERE APPLICABLE, ANCHOR BARS INTO EXISTING CONCRETE USING TYPE VIII EPOXY ADHESIVE FROM THE GDOT QUALIFIED PRODUCT LIST (QPL) TO PERFORM THIS WORK AT NO COST TO THE DEPARTMENT.

EXISTING SLOPE PAVING - TAKE CARE TO PREVENT DAMAGING THE EXISTING SLOPE PAVING. REPAIR ANY DAMAGE THAT OCCURS TO THE SLOPE PAVING. INCLUDE THE COST FOR REMOVAL AND RECONSTRUCTION OF SLOPE PAVING IN PRICE BID FOR "LUMP REMOVAL OF PARTS OF EXISTING BR".

ANCHOR BOLTS - PLACE ANCHOR BOLTS IN DRILLED 3" DIAMETER X 12" DEEP HOLES AND GROUT IN PLACE AS PER SUB-SECTION 501.3.05.B.3 OF THE GEORGIA DOT SPECIFICATIONS.

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.

EXISTING BRIDGE JOINTS - REMOVE EXISTING BRIDGE EXPANSION JOINTS AT BENTS 1 AND 4. SEAL JOINTS USING LOW DENSITY POLYETHYLENE SEAL AS PER SECTION 449.2.D OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE THE COST OF MATERIALS AND INSTALLATION IN THE PRICE BID FOR PAY ITEM 449.

JACKING OF EXISTING BRIDGE - RAISE EXISTING STRUCTURE THE MINIMUM HEIGHT NECESSARY TO REPLACE BEARINGS AT BENTS 1 AND 4. PERFORM JACKING IN ACCORDANCE WITH THE SPECIAL PROVISIONS. INCLUDE COST FOR THIS WORK IN THE PRICE BID FOR ITEM 518 "RAISE EXISTING BRIDGE".

PAINT - CLEAN AND PAINT STEEL BEARING ASSEMBLY AS PER SECTION 535 OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE THE COST IN THE OVERALL BID SUBMITTED

BEARING REPLACEMENT - REPLACE EXISTING BEARINGS AT BENTS 1 AND 4. INCLUDE THE COST FOR THIS WORK IN THE THE PRICE BID FOR ITEM 501 "STR STEEL."

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

REMOVAL OF PARTS OF EXISTING BRIDGE - INCLUDE THE COST FOR REMOVAL OF PORTIONS OF EXISTING DECK SLAB, EXISTING JOINT HARDWARE AND TOP OF BACKWALLS IN THE PRICE BID FOR ITEM 540 "REMOVAL OF PARTS OF EXISTING BR".

CLEAN EXISTING BRIDGE - CLEAN DIRT AND DEBRIS FROM THE EXISTING BRIDGE DECK SURFACE. CLEAN DIRT AND DEBRIS FROM EXISTING CAP SEATS AT BENTS 1 AND 4. INCLUDE THE COST OF THIS WORK IN THE OVERALL BID SUBMITTED.

POLYMER OVERLAY - AFTER ALL DECK AND EDGE BEAM WORK IS COMPLETE, OVERLAY THE ENTIRE SURFACE OF THE BRIDGE DECK WITH A TWO-PART EPOXY-URETHANE POLYMER BRIDGE DECK OVERLAY. FURNISH AND INSTALL IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

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

DESIGN DATA

SPECIFICATIONS ---------- AASHTO 17TH EDITION, 2002

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

CONCRETE ---------- 24 HOUR ACCELERATED STRENGTH, f'_c = 3,500 PSI

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

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITIES LEFT BRIDGE	QUANTITIES RIGHT BRIDGE	UNIT	PAY ITEM
449-1620	66	63	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN-BLOWN SEAL, BR NO-4, BENT NO-1
449-1620	65	62	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN-BLOWN SEAL, BR NO-4, BENT NO-4
501-3000	LUMP	LUMP	LS	STR STEEL, BR NO - 4 (4400)
504-0600	66	63	CY	TWENTY-FOUR HOUR ACCELERATED STRENGTH CONC
511-3000	LUMP	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 4 (8550)
514-1000	LUMP	----	LS	EPOXY COATED SUPERSTR REINF STEEL, BR NO - 4 LT (1481)
514-1000	----	LUMP	LS	EPOXY COATED SUPERSTR REINF STEEL, BR NO - 4 RT (1394)
518-1000	LUMP	LUMP	LS	RAISE EXISTING BRIDGE, STA - 350+10
519-0515	44	42	SY	SURFACE PREPARATION
519-0530	44	42	SY	POLYMER OVERLAY
540-1202	LUMP	LUMP	LS	REMOVAL OF PARTS OF EXISTING BR, BR NO - 4
600-0001	1	1	CY	FLOWABLE FILL
620-0200	20	20	LF	TEMPORARY BARRIER, METHOD 2

BRIDGE NO. 4

Hatch Mott MacDonald
2550 Heritage Ct, SE, Suite 250
Atlanta GA 30339-3062
(770) 952-1022

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGE DESIGN

GENERAL NOTES
UPLIFT REHABILITATION
I-285 OVER EVANS ROAD

DEKALB COUNTY — M004124

SCALE: NO SCALE — FEBRUARY 2011

BY	REVISIONS	DATE

DRAWING NO. 35-27

BRIDGE SHEET 27 OF 49

DESIGNED PJC	CHECKED SHG	REVIEWED CBB
DRAWN WBN	DESIGN GROUP BMU	APPROVED MLC