STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NHS-M001-00(167)	6	26

BRIDGE REPAIR CONSISTS OF

SPAN 2 - PLATE GIRDER, SIMPLE SPAN COMPOSITE
100+ TO 101+ FEET ---------- SPECIAL DESIGN

SPAN 3 - LEFT BRIDGE - PLATE GIRDER, SIMPLE SPAN COMPOSITE
57+ TO 60+ FEET ---------- SPECIAL DESIGN

SPAN 3 - RIGHT BRIDGE - PLATE GIRDER, SIMPLE SPAN NON-COMPOSITE
53+ TO 56+ FEET ---------- SPECIAL DESIGN

BENT 3 - CONCRETE INTERMEDIATE BENT ---------- SPECIAL DESIGN

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

CONCRETE GLARE SCREEN ---------- GA. STD. 4940 (12-88)

DESIGN DATA

SPECIFICATIONS ---------- AASHTO 1973

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

FUTURE PAVING ALLOWANCE ---------- 15 LBS PER SQ FT

CONCRETE: SUPERSTRUCTURE ---------- CLASS AA, f'_c = 3,500 PSI
SUBSTRUCTURE ---------- CLASS AA, f'_c = 3,500 PSI

REINFORCEMENT STEEL ---------- GRADE 40, f_y = 40,000 PSI

STRUCTURAL STEEL ---------- A-36, f_y = 36,000 PSI

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

WORK CONSISTS OF

1. REMOVING CONCRETE DECK, MEDIAN BARRIER AND GLARE SCREEN OF MIDDLE WIDENING, SPANS 2 AND 3.
2. REMOVING AND REPLACING OR REHABILIATING BEAMS OF GIRDER LINES G3 THRU G8 MIDDLE WIDENING, SPANS 2 AND 3.
3. REMOVING AND RECONSTRUCTING PORTIONS OF BENT 3.
4. ERECTION OF REPLACEMENT OR REHABILIATED BEAMS OF GIRDER LINES G3 THRU G8 MIDDLE WIDENING, SPANS 2 AND 3.
5. REPLACING CONCRETE DECK, MEDIAN BARRIER AND GLARE SCREEN OF MIDDLE WIDENING, SPANS 2 AND 3.
6. PREPARING SURFACE AND PLACING COPOLYMER OVERLAY - ONE LANE, SPANS 2 AND 3.
7. OPENING OF REPAIRED BRIDGE TO TRAFFIC.

UTILITIES

NONE

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 1993 EDITION, AND 1997 SUPPLEMENTAL SPECIFICATIONS AS MODIFIED BY CONTRACT DOCUMENTS.

REINFORCING STEEL - ALL REINFORCING STEEL SHALL BE PLACED AND TIED IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. WELDING OF REINFORCING STEEL WILL NOT BE PERMITTED.

CHAMFER - ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 3/4 INCH UNLESS OTHERWISE NOTED.

PROTECTIVE PLATFORMS - PROTECTIVE PLATFORMS WILL BE REQUIRED AT THIS SITE, SEE SECTION 510 OF THE GEORGIA DOT SPECIFICATIONS. CONTRACTOR SHALL MAINTAIN A MINIMUM VERTICAL CLEARANCE OF 16'-6" ABOVE SR 400.

TEMPORARY SHORING - TEMPORARY SHORING SHALL BE REQUIRED FOR REPLACEMENT OF PORTIONS OF BENT 3.

EXISTING BRIDGE PLANS - PLANS FOR EXISTING BRIDGE MAY BE REQUESTED FROM THE MAINTENANCE OFFICE AT (404)656-5314. THE ORIGINAL BRIDGE WAS BUILT UNDER PROJECT NUMBER F-056-1(11) AND WAS WIDENED UNDER PROJECT NUMBER I-FI-285-1(84)88 AND NH-IM-285-1(298).

DIMENSIONS AND ELEVATIONS - ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS OR BUILDING FORMS.

EPOXY RESIN ADHESIVE - EPOXY RESIN ADHESIVE TYPE II SHALL BE APPLIED 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.

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

EXISTING SLOPE PAVING - ANY DAMAGE THAT OCCURS TO THE SLOPE PAVING SHALL BE REPAIRED. MATCH THE NEW SLOPE PAVING TO EXISTING SLOPE PAVING.

PROTECTIVE SURFACE TREATMENT - PROTECTIVE SURFACE TREATMENT WILL BE REQUIRED AT THIS SITE AS PER SUB-SECTION 500.13.C OF THE GEORGIA DOT SPECIFICATIONS.

CHARPY V-NOTCH TEST - ALL NEW BOTTOM FLANGES AND NEW AND REPLACEMENT WEBS OF ALL NEW AND REHABILITATED 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.

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 GEORGIA DOT OFFICE OF MATERIALS AND RESEARCH. ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES SHALL BE USED FOR MANUAL SHIELDED METAL ARC WELDING.

EXISTING BRIDGE JOINTS - EXISTING BRIDGE JOINTS IN THE CLOSED LANES ONLY SHALL BE CLEANED OF ALL DIRT, REFUSE, AND EXISTING SEALANT SEALED USING LOW DENSITY POLYETHYLENE SEAL AS PER SECTION 449 OF THE GEORGIA DOT SPECIFICATIONS.

PAINT - ALL NEW AND EXISTING STRUCTURAL STEEL THAT IS BEING REHABILIATED SHALL BE CLEANED AND PAINTED AS PER SECTION 535 OF THE GEORGIA DOT SPECIFICATIONS.

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

GIRDER REPAIRS AND REPLACEMENTS - GIRDERS G3 THRU G8 SPAN 2 AND 3 SHALL BE REMOVED.
SPAN 2
GIRDER G3 SHALL BE REHABILIATED.
GIRDER G4 - REMOVE AND REPLACE 2'-6" OF WEB AND STIFFENERS.
GIRDER G5, G6, AND G7 - REMOVE AND REPLACE 19'-4" OF WEB AND STIFFENERS.
GIRDER G8 - HEAT STRAIGHTEN.
SPAN 3
GIRDER G3 AND G8 - HEAT STRAIGHTEN.
GIRDER G4, G5, G6, AND G7 - REPLACE AS SHOWN IN PLANS.

EXISTING BEARINGS ASSEMBLIES - EXISTING BEARINGS ASSEMBLIES SHALL BE REUSED AS DETAILED ON BRIDGE SHEET 8.

GENERAL NOTES CONT.

CONCRETE DIAPHRAGMS - CONCRETE DIAPHRAGMS SHALL BE UTILIZED FOR THIS BRIDGE IN ACCORDANCE WITH THE PROJECT PLANS.

EXISTING DECK OVERLAY - A COPOLYMER OVERLAY SHALL BE PLACED ON THE EXISTING DECK IN SPANS 2 AND 3 OF THE EASTBOUND BRIDGE. THE OVERLAY SHALL EXTEND FROM BENT 2 TO BENT 4 AND SHALL BE 13'-6" WIDE BEGINNING AT THE CUTLINE. THE DECK SHALL BE MILLED 1/4" DEEP PRIOR TO BEGINNING SURFACE PREPARATION. SEE SPECIAL PROVISIONS. COST OF MILLING TO BE INCLUDED IN COST OF SURFACE PREPARATION.

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
500-1006	LUMP	LS	SUPERSTR CONCRETE, CL AA, BR NO - 4 AND 5 (250)
500-3002	28	CY	CLASS AA CONCRETE
501-3000	LUMP	LS	STR STEEL, BR NO - 4 AND 5 (44608)
511-1000	6862	LB	BAR REINF STEEL
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 4 AND 5 (57685)
519-0515	235	SY	SURFACE PREPARATION
519-0520	235	SY	COPOLYMER OVERLAY
540-1202	LUMP		REMOVAL OF PARTS OF EXISTING BRIDGE, BR NO - 4 AND 5

BRIDGE NO. 4 AND 5

GEORGIA
DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

GENERAL NOTES
I-285 OVER GA 400
FULTON CO. NHS-M001-00(167)

NO SCALE JUNE 2001

REVISIONS	BY	DATE

BRIDGE SHEET 2 OF 20

DESIGNED WEI CHECKED PVL REVIEWED JPT-MCD
DRAWN RHC DESIGN GROUP WEI APPROVED PVL

FULTON.DGN