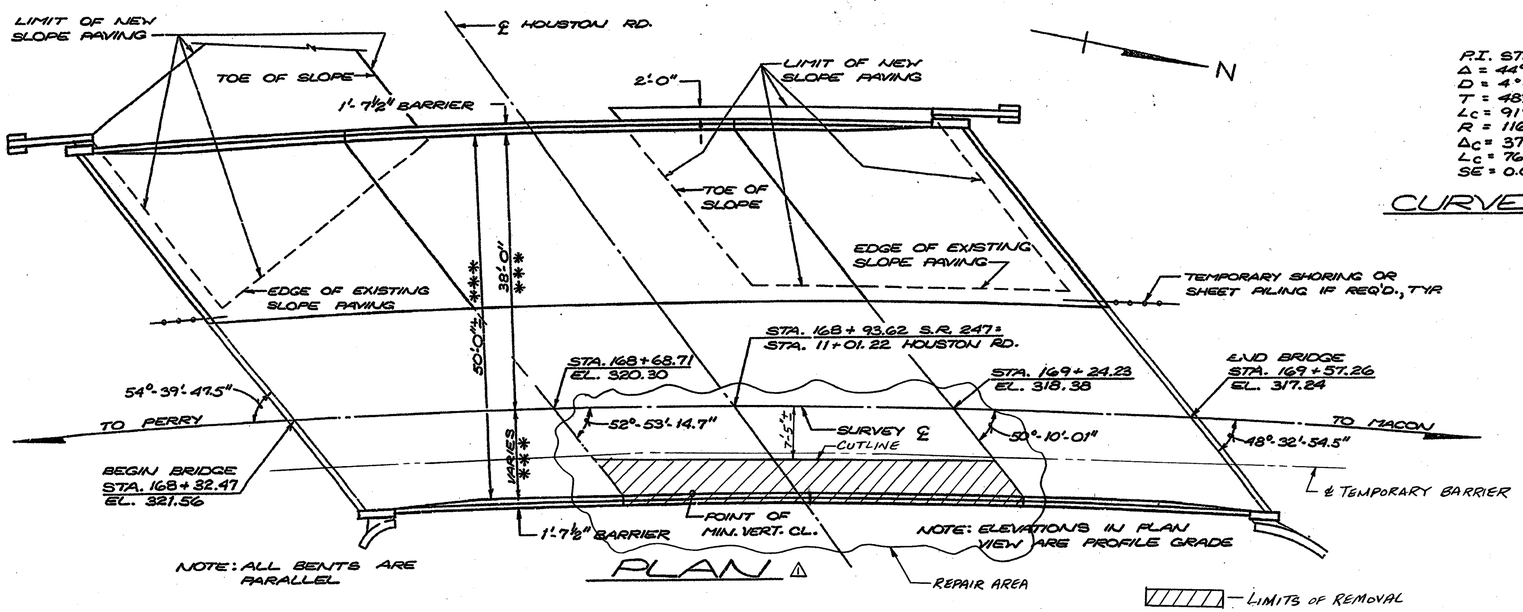
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	STP-M001-00(951)	4	12



PLAN △1

P.I. STA. 171+94.04
Δ = 44°-58' RT.
D = 4°-54'
T = 483.94'
Lc = 917.69'
R = 1169.30'
ΔC = 37° 37'
Lc = 767.69'
SE = 0.08'/FT.

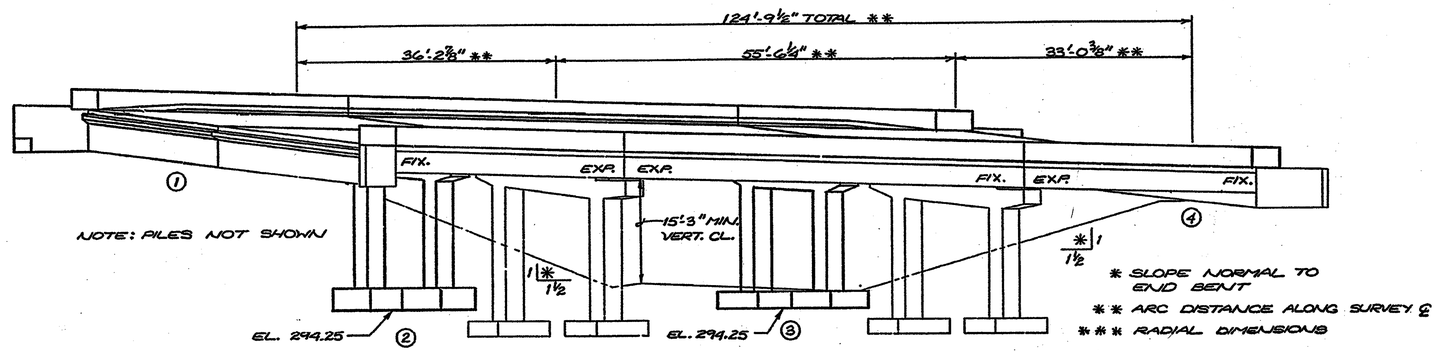
CURVE DATA

PVI STA 167+50
EL. 324.41 INCLUDING 1½" OVERLAY
-3.46 %

GRADE DATA

NEW CONSTRUCTION WITHIN LIMITS OF BRIDGE

FOR INFORMATION ONLY



ELEVATION

△ SUMMARY OF QUANTITIES

160	CU YD BR EXCAV, GR SEP - BR NO 1
280	SQ YD CONC SLOPE PAV, 4 IN
LUMP	SUPERSTR CONC(CL A) - BR NO 1 (124)
92	CU YD CL A CONC
LUMP	STR STEEL - BR NO 1 (57555)
11700	LB BAR REINF STEEL
LUMP	SUPERSTR REINF STEEL - BR NO 1 (29260)
LUMP	PAINT EXIST STEEL STR - STA 168+95
LUMP	REM OF PARTS OF EXIST BR - STA 168 + 95
259	LIN FT. POLYMER CONCRETE BRIDGE JOINT END DAMS
1040	LIN FT. PILING, PSC 14 IN. SQ.
1	EACH TEST PILE, PSC 14 IN. SQ.
1	EACH LOAD TEST, PSC 14 IN. SQ. (IF REQD)

EXISTING BRIDGE SERIAL NO. 021-0034-0
EXISTING BRIDGE I.D. NO. 021-00011D-006.15N
P.I. NO. M001951

WIDENED BRIDGE CONSISTS OF

1 - 36'-2-7/8" W BEAM NON-COMPOSITE SIMPLE SPAN	SPECIAL DESIGN
1 - 55'-6-1/4" W BEAM COMPOSITE SIMPLE SPAN	SPECIAL DESIGN
1 - 33'-0-3/8" W BEAM NON-COMPOSITE SIMPLE SPAN	SPECIAL DESIGN
2 - PILE END BENTS	SPECIAL DESIGN
2 - CONCRETE INTERMEDIATE BENTS	SPECIAL DESIGN
BAR BENDING DETAILS	GA. STD. NO. 3901
END POST AND END POST GUARDRAIL ATTACHMENT L = 4'-0" OR 6'-3" W = 1'-1" H = 2'-9-1/4"	GA. STD. NO. 3053(4-14-81)
TYPICAL FILL DETAILS AT END OF BRIDGE	GA. STD. NO. 9037(4-82)
PSC PILING	GA. STD. NO. 3215(2-4-81)

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD DATED 1977 AND ALL SUPPLEMENTS.

WAITING PERIOD - NO WORK SHALL BE STARTED ON THE END BENTS UNTIL THE COMPLETED END FILLS HAVE BEEN IN PLACE FOR AN ESTIMATED PERIOD OF 30 DAYS.

PILING - USE 14 IN. SQ. PSC PILES IN ALL BENTS.

TEST PILES - DRIVE TEST PILES AS FOLLOWS;
ONE 14 IN. SQ. PSC × 45 FT

PLAN DRIVING OBJECTIVE - SEE SUBSTRUCTURE DETAILS.

DIMENSIONS - ALL ELEVATIONS AND DIMENSIONS SHALL BE VERFIED IN THE FIELD BEFORE ORDERING MATERIALS OR BUILDING FORMS.

OVERLAY - COST OF REMOVAL OF EXISTING OVERLAY ON BRIDGE SHALL BE INCLUDED IN OVERALL PRICE BID FOR CONTRACT ITEMS. NEW OVERLAY IS A ROADWAY PAY ITEM; SEE ROADWAY SHEETS FOR FURTHER DETAILS.

PLANS FOR EXISTING BRIDGE - THESE DETAILS WILL BE MADE AVAILABLE ON REQUEST AS INFORMATION ONLY. PROJECT NO. AD-1(1) CT. 2, BIBB COUNTY.

INDICENTAL ITEMS - COST OF CUTTING, CLEANING AND BENDING EXISTING REINFORCEMENT, EPOXY BONDING COMPOUND, FURNISHING, DRIVING, AND REMOVING TEMPORARY SHORING OR SHEET PILING, REPAIR OF EXISTING END SLOPES AND SLOPE PAVING, REPAIR OF EXISTING SUPERSTRUCTURE, AND OTHER INCIDENTAL ITEMS SHALL BE INCLUDED IN OVERALL PRICE BID FOR CONTRACT ITEMS.

PROTECTIVE PLATFORM - A PROTECTIVE PLATFORM IS REQUIRED AT THIS SITE. SEE SUPPLEMENTAL SPECS. SECT 510. MINIMUM VERTICAL CLEARANCE OF 14'-6" TO HOUSTON RD. SHALL BE MAINTAINED.

REPAIR AND CLEANING OF EXISTING STRUCTURE - CONCRETE DIAPHRAGM IN BAY ADJACENT TO EXISTING RIGHT EXTERIOR BEAM IN SPAN 2 SHALL BE REMOVED. RIGHT EXTERIOR BEAM STRAIGHTENED AND NEW STEEL DIAPHRAGM INSTALLED. ENTIRE EXISTING STRUCTURAL STEEL SHALL BE CLEANED IN ACCORDANCE WITH GA. STD SPECIFICATIONS SECT. 535, 04A, 1(a).

PAINT - SYSTEM NO. 2 SHALL BE USED, ON NEW AND EXISTING STRUCTURAL STEEL.

UTILITIES

NONE

DESIGN DATA

SPECIFICATIONS - A.A.S.H.T.O., 1977, INT. 78, 79, 80, 81, 82

RETAINED AND NEW PORTION - TYPICAL HS20-44 AND/OR MILITARY LOADING IMPACT ALLOWED

FUTURE PAVING ALLOWANCE = 30 LBS. PER SQ. FT.

CONCRETE: SUBSTRUCTURE AND SUPERSTRUCTURE - CLASS A, f'c = 3000 PSI
PILES - CLASS AAA, f'c = 5000 PSI

REINFORCING STEEL: A-615 GRADE 40, fy = 40000 PSI

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

BEAM REPLACEMENT - PLAN AND ELEVATION
SR 247 OVER HOUSTON ROAD
BIBB COUNTY STP-M001-00(951)

NO SCALE APRIL 2002

BY	REVISIONS	DATE
SWW	PER AMENDMENT	6/3/02

BRIDGE SHEET 1 OF 5

DESIGNED SWW | CHECKED DLC | REVIEWED JPT/MCD
DRAWN TLT | DESIGN GROUP SWW | APPROVED PVL