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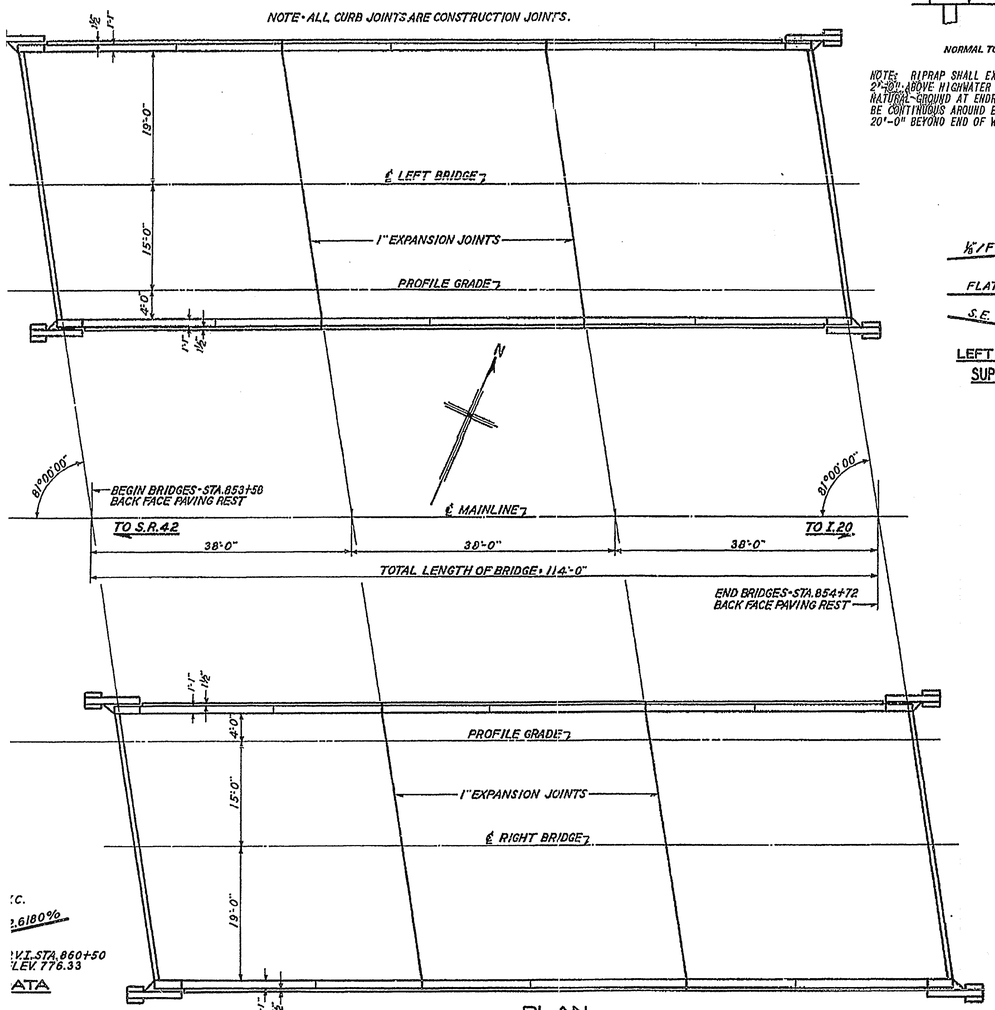
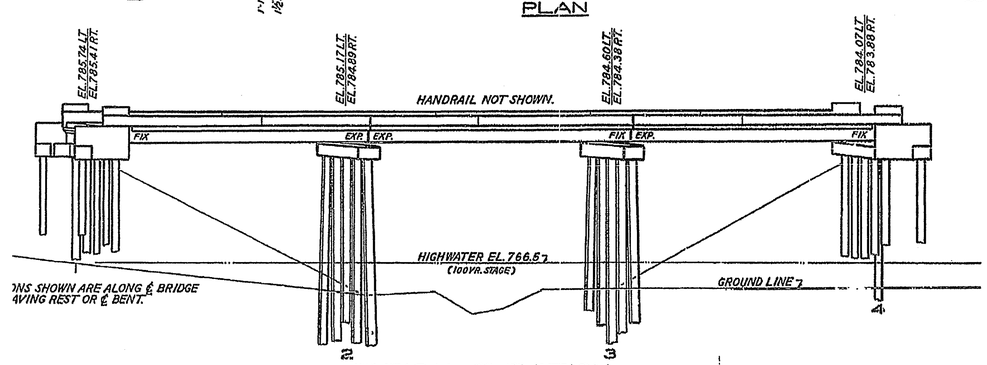
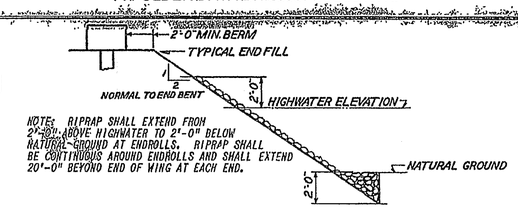
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NHS-0002-00(754)	123	146



PLAN



TYPICAL ELEVATION



NOTE: RIPRAP SHALL EXTEND FROM 2'-0" ABOVE HIGHWATER TO 2'-0" BELOW NATURAL GROUND AT ENDROLLS. RIPRAP SHALL BE CONTINUOUS AROUND ENDROLLS AND SHALL EXTEND 20'-0" BEYOND END OF WING AT EACH END.

RIPRAP DETAIL

NO SCALE

LEFT BRIDGE		RIGHT BRIDGE
1/8"/FT.	854+38	1/8"/FT.
FLAT	853+38	1/8"/FT.
S.E.	852+88	1/8"/FT.

SUPERELEVATION DATA

EACH BRIDGE CONSISTS OF

2 - 38'-0" CONCRETE "T" BEAM END SPANS ---------- SPECIAL DESIGN
1 - 38'-0" CONCRETE "T" BEAM INTERMEDIATE SPANS -- SPECIAL DESIGN
2 - PRESTRESSED PILE END BENTS ---------- SPECIAL DESIGN
2 - PRESTRESSED PILE INTERMEDIATE BENTS ---------- SPECIAL DESIGN
ALUMINUM HANDRAILING ---------- GEORGIA STANDARD NO.3626(7-21-65)
OR
FERROUS METAL HANDRAILING ----- GEORGIA STANDARD NO.3629(7-21-65)
BAR BENDING DETAILS ---------- GEORGIA STANDARD NO.3900(7-2-63)
PRESTRESSED CONCRETE PILES ----- GEORGIA STANDARD NO.3255(1-8-59)

DRAINAGE DATA

DRAINAGE AREA ---------- 8.445 SQUARE MILES
AREA OF OPENING UNDER HIGHWATER -- 198 SQUARE FEET

GENERAL NOTES

SPECIFICATIONS: GEORGIA STANDARD.

ALL CONCRETE SHALL BE CLASS "A" UNLESS OTHERWISE NOTED.

END FILLS SHALL BE IN PLACE AND COMPACTED TO BOTTOMS OF CAPS AT LEAST 90 DAYS BEFORE END BENT PILES ARE DRIVEN.

COST OF ANY EXCAVATION NECESSARY FOR END BENT CONSTRUCTION SHALL BE INCLUDED IN PRICE BID FOR CLASS "A" CONCRETE.

CHAMFER ALL EXPOSED EDGES 3/4" UNLESS NOTED. ALL CHAMFERS SHALL BE FORMED WITH MILL CUT AND DRESSED CHAMFER STRIPS.

THE FOLLOWING SURFACES SHALL RECEIVE A RUBBED FINISH: OUTSIDE SURFACES OF EXTERIOR BEAM ON MEDIAN SIDE; VERTICAL SURFACES OF PARAPETS AND SLAB; VERTICAL FACES OF ENDWALLS AND END BENT CAPS OUTSIDE EXTERIOR BEAM ON MEDIAN SIDE; EXPOSED SURFACES OF END POSTS AND WINGWALLS.

COST OF EXPANSION MATERIAL, ASPHALT SATURATED FELT, ELASTOMERIC POLYMER JOINT SEALER, ASBESTOS SHEET PACKING, AND OTHER INCIDENTAL ITEMS SHALL BE INCLUDED IN PRICES BID FOR CONTRACT ITEMS.

DRIVE ONE 45' - 14" PRESTRESSED CONCRETE TEST PILE AT BENTS 1 RIGHT AND 4 LEFT AND ONE 50' - 16" PRESTRESSED CONCRETE TEST PILE AT BENTS 2 RIGHT AND 3 LEFT.

TEST PILES SHALL BE DRIVEN TO REMAIN IN PLACE AS PERMANENT PILES.

DRIVE ALL PILES TO BEARING SHOWN ON DETAIL SHEETS. PILES MUST PENETRATE TO LOW ELEV.745.0.

ROADWAY SURFACE, CURBS AND HANDRAILING SHALL CONFORM TO TRUE LINE AND GRADE. POSTS SHALL BE VERTICAL.

CLEARING AND GRUBBING OF BRIDGE SITE SHALL BE PAID FOR AS A ROADWAY ITEM.

FOR OTHER GENERAL NOTES SEE GEORGIA STANDARDS NO. 3626 OR 3629, 3900, 3255 AND SPECIAL PROVISIONS.

SUMMARY OF QUANTITIES

LEFT	RIGHT	
LUMP	LUMP	SUPERSTRUCTURE CONCRETE
LUMP	LUMP	SUPERSTRUCTURE REINFORCEMENT STEEL
216	216	LIN. FT. ALUMINUM HANDRAILING (GA.STD.NO.3626) OR
216	216	LIN. FT. FERROUS METAL HANDRAILING (GA.STD.NO.3629)
42	43	CU. YDS. CLASS "A" CONCRETE
5072	5072	LBS. BAR REINFORCEMENT STEEL
405	405	LIN. FT. PRESTRESSED CONCRETE PILING (16" SQ.)
520	520	LIN. FT. PRESTRESSED CONCRETE PILING (14" SQ.)
1	1	EACH PRESTRESSED CONCRETE TEST PILES (16" SQ.)
1	1	EACH PRESTRESSED CONCRETE TEST PILES (14" SQ.)
1	1	EACH LOADING TESTS (PRESTRESSED CONCRETE TEST PILE) (IF REQUIRED)
570	570	SQ. YDS. SAND CEMENT RIPRAP OR
356	356	TONS STONE PLAIN RIPRAP

GEORGIA REGISTERED No 4981 PROFESSIONAL ENGINEER FLOYD EWELL HUDSON

DESIGN DATA

SPECIFICATIONS - A.A.S.H.O., 1961 THRU T-64
TYPICAL HS20-44 AND/OR MILITARY LOADING - IMPACT ALLOWED
FUTURE PAVING ALLOWANCE = 15 LBS. PER SQ. FT.

BRIDGES NO.A-5 LT.& RT.

STATE HIGHWAY DEPARTMENT OF GEORGIA
BRIDGE DEPARTMENT

PLAN AND ELEVATION
OVERFLOW BRIDGES AT SUGAR CREEK
STA.853+58 TO STA.854+72
DEKALB COUNTY I.285-1(42)117

SCALE: 1"=10'-0" UNLESS NOTED SEPTEMBER 1965

REVISIONS DATE BY

BRIDGE SHEET 21 OF 57

DESIGNED R.E.H. TRACED H.L.W. REVIEWED R.M.J.
DRAWN L.E.M. CHECKED J.R.P. APPROVED