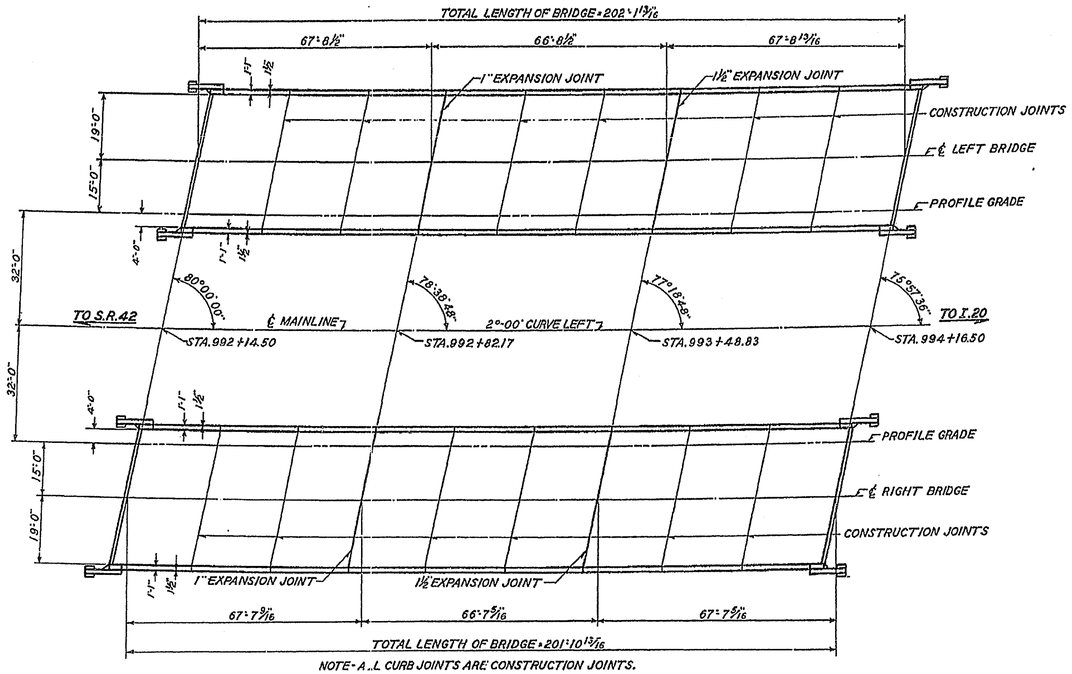
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NHS-0002-00(754)	129	146

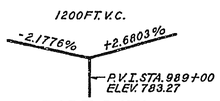


NOTE- A.L. CURB JOINTS ARE CONSTRUCTION JOINTS.

PLAN

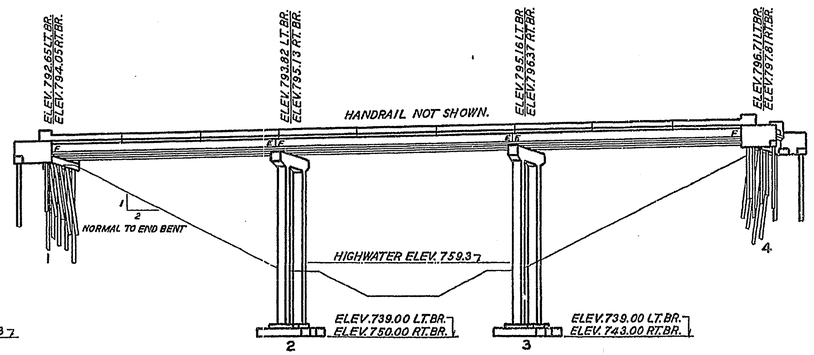
P.I. STA.1004+38.408
Δ = 58°02'53"
D = 2°00'
T = 1589.549
L = 2902.403
R = 2864.789
S.E. = 0.055 FT/FT.

HORIZONTAL CURVE DATA

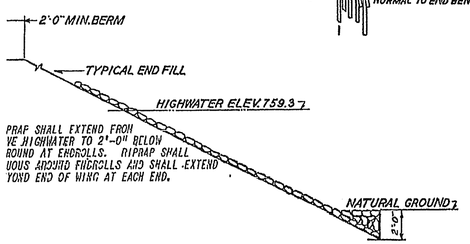


GRADE DATA

ELEVATIONS SHOWN ARE ALONG ℄ BRIDGE AT BACK FACE PAVING REST OR ℄ BENT.



TYPICAL ELEVATION



RIPRAP DETAIL

NO SCALE

EACH BRIDGE CONSISTS OF

2 - 67'-8" WF BEAM SIMPLE END SPANS ---------- SPECIAL DESIGN
1 - 66'-8" WF BEAM SIMPLE INTERMEDIATE SPAN -------- SPECIAL DESIGN
2 - PILE END BENTS ---------- SPECIAL DESIGN
2 - CONCRETE 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)
EXCAVATION DETAILS ---------- GEORGIA STANDARD NO.9037(6-9-60)

DRAINAGE DATA

DRAINAGE AREA ---------- 8.125 SQUARE MILES
AREA OF OPENING UNDER HIGHWATER -- 385 SQUARE FEET

GENERAL NOTES

SPECIFICATIONS: GEORGIA STANDARD.
ALL CONCRETE SHALL BE CLASS "A".
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: VERTICAL FACES OF PARAPETS AND SLAB, OUTSIDE SURFACES OF EXTERIOR BEAM ON MEDIAN SIDE. END BENT CAP AND 36" ENDWALL OUTSIDE OF EXTERIOR BEAM ON MEDIAN SIDE. ALL EXPOSED SURFACES AT END POSTS AND WINGWALLS.
STRUCTURAL STEEL SHALL BE PAINTED AS FOLLOWS: SHOP COAT NO.1C (ORANGE), TOUCH UP FIELD COAT NO.1C (ORANGE), FIRST FIELD COAT NO.2E (BUFF), SECOND FIELD COAT NO.3F (GREEN).
COST OF EXPANSION MATERIAL, ASPHALT SATURATED FELT, ELASTOMERIC POLYMER JOINT SEALER, ASBESTOS SHEET PACKING, AND RED LEAD AND OTHER INCIDENYAL ITEMS SHALL BE INCLUDED IN PRICES BID FOR CONTRACT ITEMS.
DRIVE ONE 60' - 12 BP 53 WITH REINFORCED TIP TEST PILE AT BENTS 1 AND 4 LEFT, ONE 70' - 12 BP 53 WITH REINFORCED TIP TEST PILE AT BENT 1 RIGHT, ONE 50' - 12 BP 53 WITH REINFORCED TIP TEST PILE AT BENT 4 RIGHT, AND ONE 30' - TIMBER TEST PILE AT BENT 2 RIGHT.
STEEL "H" TEST PILES SHALL BE DRIVEN TO REMAIN IN PLACE AS PERMANENT PILES.
DRIVE ALL STEEL "H" PILES TO ROCK.
DRIVE TIMBER PILES TO BEARING SHOWN ON DETAIL SHEETS. SOUNDINGS INDICATE WEATHERED ROCK AT BENT 2 RIGHT. CARE MUST BE TAKEN IN DRIVING TIMBER PILES.
ROADWAY SURFACE, CURBS AND HANDRAILING SHALL CONFORM TO TRUE LINE AND GRADE. POSTS SHALL BE VERTICAL.
STRUCTURAL STEEL SHALL BE AS FOLLOWS:
A-36 - BEAMS.
A-7 OR A-36 - COMPONENTS OF BEARING ASSEMBLIES.
PILE TIP REINFORCEMENT FOR TEST PILES SHALL BE INCLUDED IN PRICE BID FOR "EACH STEEL "H" TEST PILES." 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, 9037 AND SPECIAL PROVISIONS.

SUMMARY OF QUANTITIES

LEFT	RIGHT	
LUMP	LUMP	SUPERSTRUCTURE CONCRETE
LUMP	LUMP	SUPERSTRUCTURE REINFORCEMENT STEEL
LUMP	LUMP	STRUCTURAL STEEL
392	391	LIN. FT. ALUMINUM HANDRAILING (GA.STD.NO.3626) OR
392	391	LIN. FT. FERROUS METAL HANDRAILING (GA.STD.NO.3629)
6120	6120	LBS. STUD SHEAR CONNECTORS
170	161	CU. YDS. CLASS "A" CONCRETE
31346	29463	LBS. BAR REINFORCEMENT STEEL
1200	1100	LIN. FT. STEEL "H" PILING (12 BP 53 WITH REINFORCED TIP)
—	800	LIN. FT. TIMBER PILING, TREATED 16 LBS.
2	2	EACH STEEL "H" TEST PILES (12 BP 53 WITH REINFORCED TIP)
—	1	EACH TIMBER TEST PILES
1	1	EACH LOADING TESTS (12 BP 53 TEST PILE) (IF REQUIRED)
	1	EACH LOADING TESTS (TIMBER TEST PILE) (IF REQUIRED)
340	310	CU. YDS. BRIDGE EXCAVATION NO.1
585	585	SQ. YDS. SAND CEMENT RIPRAP OR
366	366	TONS STONE PLAIN RIPRAP

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 4931 (4-31-65)
Floyd E. Hardy

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.
SPREAD FOOTINGS DESIGNED FOR ALLOWABLE SOIL PRESSURE OF 7000 LBS. PER SQ. FT.

BRIDGES NO.1 OLT. & 1 ORT.

STATE HIGHWAY DEPARTMENT OF GEORGIA
BRIDGE DEPARTMENT

PLAN AND ELEVATION
BRIDGES OVER SHOAL CREEK
STA.992+14.50 TO STA.994+16.50
DEKALB COUNTY I.285-1(42)117

SCALE-1"=20'-0" UNLESS NOTED SEPTEMBER 1965

DATE | REVISIONS | BY

BRIDGE SHEET 49 OF 57

DESIGNED R.E.H. | TRACED H.L.K. | REVIEWED R.K.J.
DRAWN L.E.M. | CHECKED J.T.K. | APPROVED