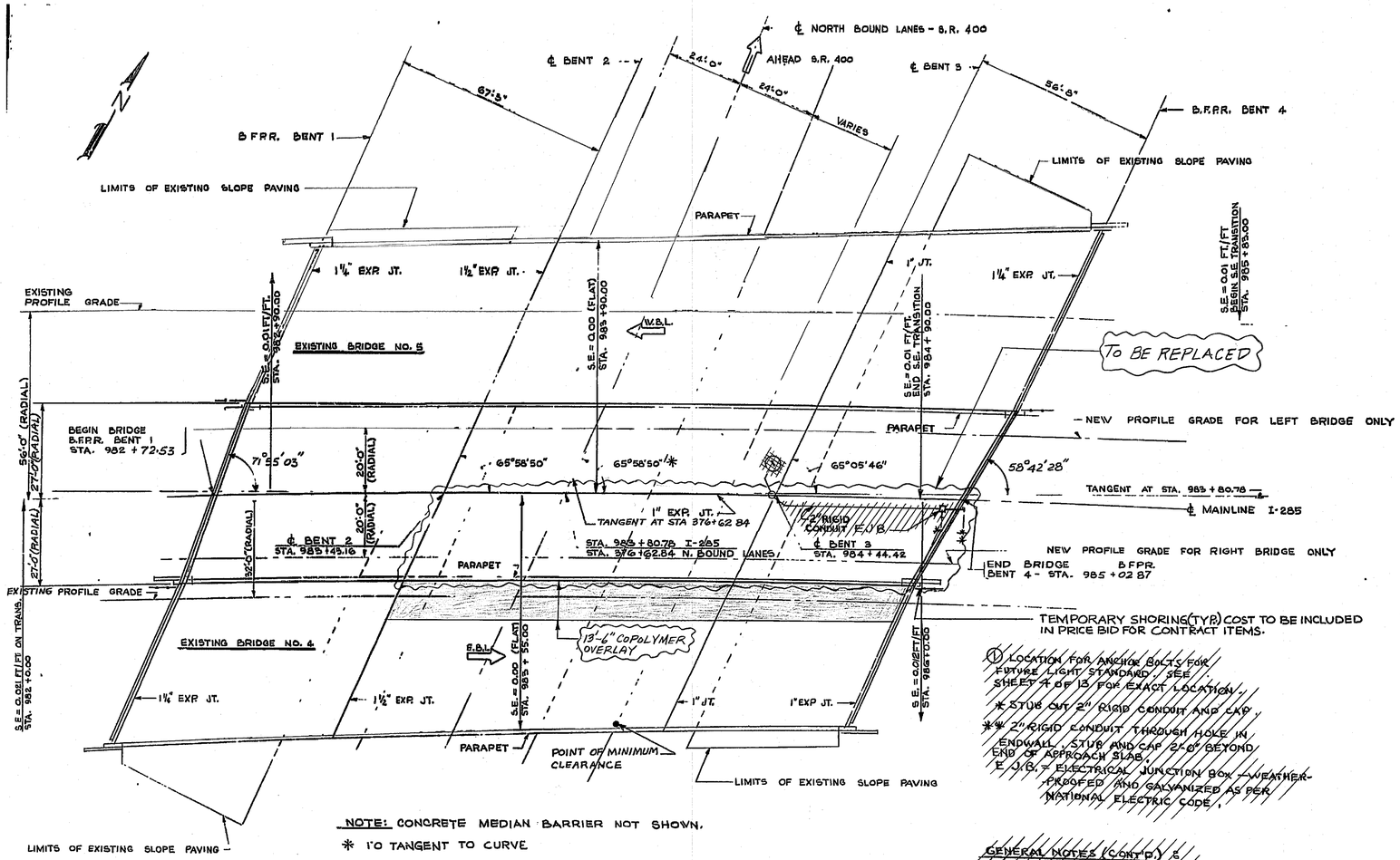
WORK TO BE PERFORMED IS INDICATED BY CLOUDED AREAS

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NHS-M001-00(167)	5	26



NOTE: CONCRETE MEDIAN BARRIER NOT SHOWN.

* 1'0 TANGENT TO CURVE

PLAN

SCALE: 1"=20'-0"

① LOCATION FOR ANCHOR BOLTS FOR FUTURE LIGHT STANDARD. SEE SHEET 7 OF 13 FOR EXACT LOCATION.

* STUB OUT 2" RIGID CONDUIT AND CAP

** 2" RIGID CONDUIT THROUGH HOLE IN ENDWALL. STUB AND CAP 2'-0" BEYOND END OF APPROACH SLAB.

E.J.B. = ELECTRICAL JUNCTION BOX - WEATHER-PROOFED AND GALVANIZED AS PER NATIONAL ELECTRIC CODE.

GENERAL NOTES (CONT'D.) 5

ANCHOR BOLTS, ANCHOR BOLT COUPLINGS & PLUGS FOR FUTURE LIGHT STANDARDS TO BE INCLUDED IN PRICE BID FOR STRUCTURAL STEEL.

CONDUIT AND JUNCTION BOX - SEE ROADWAY PLAN SHEET 8 FOR THESE ITEMS.

WORK CONSISTS OF

	5.	4.	WIDENING EXISTING BRIDGE AS FOLLOWS:	
1.	1	1	PLATE GIRDER SIMPLE SPAN, COMPOSITE, 1ST SPAN VARIES 66" TO 72"	SPECIAL DESIGN
2.	1	1	PLATE GIRDER SIMPLE SPAN, COMPOSITE, 2ND SPAN 100" TO 101¼"	SPECIAL DESIGN
3.	1	—	PLATE GIRDER SIMPLE SPAN, COMPOSITE, 3RD SPAN VARIES 57" TO 60"	SPECIAL DESIGN
4.	—	1	PLATE GIRDER SIMPLE SPAN NON-COMPOSITE, 3RD SPAN VARIES 53" TO 56"	SPECIAL DESIGN
5.	2 COMMON		CONCRETE INTERMEDIATE BENTS	SPECIAL DESIGN
6.	2 COMMON		CONCRETE END BENTS	SPECIAL DESIGN
7.	✓	✓	BAR BENDING DETAILS	GEORGIA STD. NO 3901
8.	✓	✓	REMOVAL OF PORTIONS OF EXIST BRIDGE	
9.	✓	✓	CONCRETE MEDIAN BARRIER	SPECIAL DESIGN

UTILITIES

NO UTILITES

SUMMARY OF QUANTITIES

5	4	
308	308	CU YDS. BRIDGE EXCAVATION GR. SEP.
LUMP	—	SUPERSTRUCTURE CONC. (CL. AA) BR. NO. 5
—	LUMP	SUPERSTRUCTURE CONC. (CL. AA) BR. NO. 4
126	127	CU. YDS CLASS "A" CONCRETE
LUMP	—	STRUCTURAL STEEL BR. NO. 5
—	LUMP	STRUCTURAL STEEL BR. NO. 4
18968	18968	LBS. BAR REINF. STEEL
LUMP	—	SUPERSTR REINF. STEEL BR. NO 5
—	LUMP	SUPERSTR REINF. STEEL BR. NO. 4
223	223	LIN. FT. PILING IN PLACE, STEEL H, 10 BP 42
LUMP	—	REMOVAL OF PART OF EXIST. BR. NO. 5 STA 982+72.53 TO 985+02.87
—	LUMP	REMOVAL OF PART OF EXIST. BR. NO. 4 STA. 982+72.53 TO 985+02.87
1	—	EACH LOAD TEST. STEEL H 10 BP 42 (IF REQD.

GENERAL NOTES

END BENT EXCAVATION - THERE WILL BE NO PAY FOR END BENT EXCAVATION. THE COST OF THIS EXCAVATION WILL BE INCLUDED IN OTHER BID ITEMS.

DRIVING DATA PILE. - ONE REQUIRED AT BENT 2.

PILE TIP REINFORCEMENT - REINFORCE PILE TIPS IN BENT 2 IN ACCORDANCE WITH SECTION 520

FIELD VERIFICATION - DIMENSIONS AND DECK SLOPES ARE TAKEN FROM ORIGINAL PLANS DATED 1967. GRADE DATA IS FROM FIELD SURVEY OF EXISTING BRIDGES CONTRACTOR SHALL VERIFY DIMENSIONS AND ELEVATIONS IN THE FIELD AND SHALL MAKE ANY ADJUSTMENTS NECESSARY TO MAKE PROPOSED [illegible] MATCH THE EXISTING STRUCTURE.

REMOVAL OF EXISTING BRIDGE - THE MATERIAL TO BE SALVAGED FOR DEPARTMENT'S USE CONSISTS OF [illegible] GA. STD. NO. 3626. CONTRACTOR SHALL DELIVER H.R. INCLUDING POSTS IN AN ACCEPTABLE CONDITION [illegible] DEPT OF TRANSPORTATION, DISTRICT 7 MAINTENANCE YD. AVONDALE ESTATES GA AND OBTAIN A WRITTEN RECEIPT.

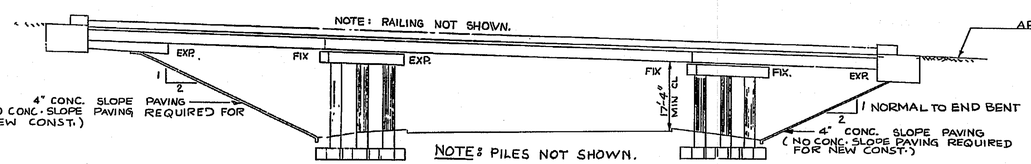
BENCH MARK - ALL ELEVATIONS ARE REFERENCED FROM BENCH MARK EL. 1019.76, STA 979+77 LOCATED AT OUTER SHOULDER OF WBL.

ADDITIONAL NOTES - SEE TYPICAL DETAILS

DESIGN DATA

SPECIFICATIONS - EXISTING BRIDGES: A.A.S.H.O. 1961, T61, T62, T63, T64
PROPOSED WIDENING: A.A.S.H.O. 1973

TYPICAL HS-20-44 AND/OR MILITARY LOADING-IMPACT ALLOWED.
ALLOWANCE FOR FUTURE PAVING = 15 LBS PER SQ. FT.



ELEVATION

SCALE: 1"=20'-0"

S.R. 400

CURVE DATA - N BOUND LANES

PI STA. 372 + 29.21
Δ = 24° 00'
D = 2°00'
R = 2864.79'
T = 608.93'
L = 1200.00'
E = 64 00'

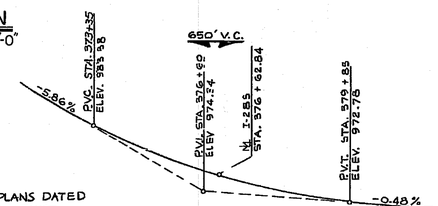
CURVE DATA I-285

PI STA 995 + 73 17
Δ = 11°10' RT.
D = 0° 50'
R = 11459.15'
T = 1120.21'
L = 2233.38'

GRADE DATA I-285

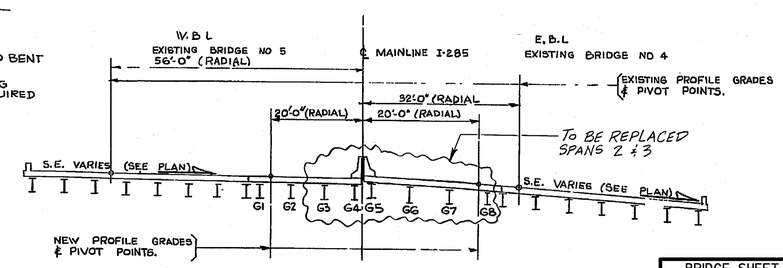
BRIDGE NO.	GRADE	STA.	ELEVATION
5	-1.9%	985+00	1005.44
4	-2.2%	982+00	1008.60

NOTE: GRADES ARE FROM ORIGINAL BRIDGE PLANS DATED 1967 AND ELEVATIONS ARE FROM SURVEY OF EXIST. BRIDGE. CONTRACTOR TO VERIFY ELEVS. AND GRADES IN FIELD. IF GRADES AND ELEVS. SHOWN ON THESE PLANS DO NOT CORRESPOND TO THOSE IN FIELD, ADJUSTMENT SHALL BE MADE TO MATCH PROPOSED ADDITION TO EXIST. STRUCTURE



PROFILE S.R. 400

NO SCALE



NOTE: THIS DIAGRAM APPLIES TO STA. 984 + 50.0

DECK SLOPE DIAGRAM

NO SCALE

BRIDGE ID NO. 121-00407D-026.10C
BRIDGE SERIAL NO. 121-0247-0
P.I. NO. M001167
BRIDGE NOS. 4 AND 5

SIMONS · EASTERN COMPANY
ATLANTA, GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION - BRIDGE DESIGN

PLAN AND ELEVATION
I-285 OVER S.R. 400
FULTON COUNTY I-FI-285-1(84)88
SCALE: AS SHOWN DATE: JAN., 1974

BRIDGE SHEET	FILE	SIMECO JOB NO.	BRIDGE SHEET
1 OF 20	0203	73 / 1123	1 OF 13

NO.	REVISIONS	BY	DATE

DESIGNED VP | TRACED | REVIEWED
DRAWN RFR | CHECKED RSF | APPROVED

BRUNING 44-132