INDEX TO SHEETS Sheet No. 1 - IA Title Sheet & INDEX Sheet No. 2-2J Typical Section, GNZ AND PROJECT NOTES Sheet No. 3-3 R Summary of Quantities Sheet No. 4-4A Plan & Profile, Sta. 533+00 To Sta. 566+70

- CONTINUES ON SHEET 1-A-

IN PLACE I-OVER BRIDGES (TO BE WIDENED)

BEGIN STA. 555+41.45 TO END STA. 558+71.29 DUAL BRIDGES-329.84LIN. FT (BROAD ST.) 4

BEGIN STA. 591+16.85 TO END STA. 593+52.66 DUAL BRIDGES-235.81 LIN. FT(TENN. ST.) (5)

BEGIN STA. 607+73.22 TO END STA. 609+51.33 DUAL BRIDGES-178.11 LIN. FT. (VIRGINIA ST.) 7
BEGIN STA. 621+66.47 TO END STA. 623+43.66 DUAL BRIDGES-177.19 LIN. FT. (TEXAS ST.) 8

STATE OF ALABAMA HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED

STATE HIGHWAY

PROJECT NO. I-IR-IDR-10-1(84)24 MOBILE COUNTY

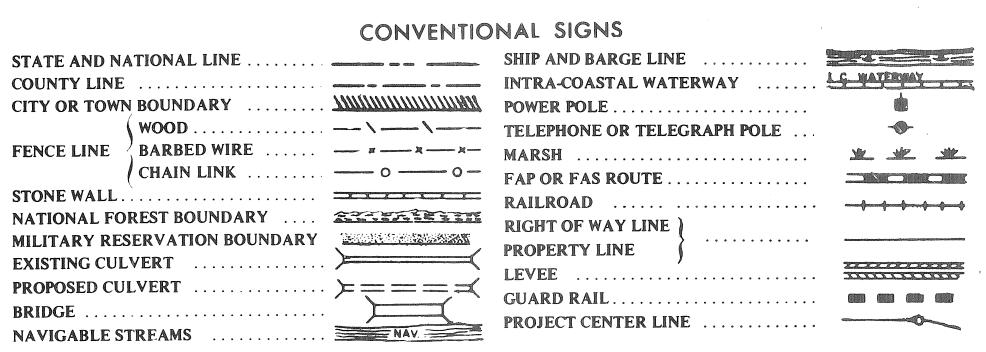
ON I-10 STA. 540 + 00 TO STA. 660+06.82

SCALES PLAN 1 INCH = 100 FT.

PROFILE HORIZ. 1 INCH = 100 FT. VER. 1 INCH = 5 FT.

LAYOUT, 1 IN. = 5,280 FT.

REMOVAL& REPLACEMENT OF CONCRETE PAVEMENT, ADDITIONAL LANES INSIDE & OUTSIDE, MODIFICATION OF SIGNS, LIGHTING & BRIDGE WIDENING



NAVIGABLE STREAMS

AS INDICATED ON SHEET NO. 1 15

THE CORRECT IDENTIFICATION

FOR THESE PLANS. IT SHALL BE

UNDERSTOOD THAT THIS NUMBER

NOTE THE PROJECT NO. I-IR-IDP-10-1 (84)24

		Ď	ESIGN DESIGN	NATION	
	ADT	(1987)	53,000)	
	ADT	(2007)	93,300)	
	К	===	, 10%	.	
	D	==	55%	6	
	⊤ ADT		11%	•	
40	V= 50	MPH	(DESIGN SPEED) 4	
	ACTUAL	MINIMUM	STOPPING SIGHT	DISTANCE = 1	V/J
				*	~~~

NOTE: THESE PLANS HAVE BEEN PREPARED TO CONFORM WITH ALABAMA HIGHWAY DEPARTMENT STANDARD

SUBMITTED FOR APPROVAL		
STATE OF ALABAMA HIGHWAY DEPARTMENT		ENGINEER
APPROVED		
Town Bring	HIGH WAY	DIRECTOR
STATE OF ALABAM FIGHWAY DEPARTMENT		
DEPARTMENT OF TRANSPORTAT	ION	
FEDERAL HIGHWAY ADMINISTRAT	ION	
	A SAME A STREET ASSESSMENT ASSESS	

DIVISION ADMINISTRATOR DATE

TOTAL EFFECT = 1082.64 LIN. FT.

© STA. 614+67. 29 BK=STA. 614+66.60 AH = 0.69 LIN. FT. (D) STA. 640+39.22BK= STA.646+50.00AH = -610.78 LIN. FT

TOTAL EFFECT= -607.78 LIN. FT

"<u>EXCEPTIONS</u>"

"EQUATIONS"

BEGIN STA. 597+19.36 TO END STA. 598+81.05 DUAL BRIDGES-161.69 LIN. FT. (WARREN-LAWRENCE ST.) (6) SUPERSEDES PROTECT NO I-IR-10-1(84)24 AS LISTED ON SHEET 1A THROUGH 159H END WORK STA. T-4-S T-5-S 48+00 WBR STA.660+06.82 BK 45+90.13 WBR AH END PROJECT STA. 660+06.82 NOTE: PROJECT I-IR-IDR-10-1(84) 24 AND PROJECT I-IR-IDR-10-1 (83) 20 ARE TO BE LET IN THE SAME CONTRACT. NOTE The Contractor Shall Notify The Railroad BEGIN PROJECT In Writing 10 (Ten) Days Before Work Is To Begin On This Project STA. 540+00

PRELIMINARY PROJECT NO. I-JR-10-1 (84) CODE NO. 4311-109- -36-010-001-075-472-2

EQUATIONS AND EXCEPTIONS NET LENGTH OF PROJECT NET LENGTH OF BRIDGES NET LENGTH OF ROADWAYS

11,399.04 FT = 2.158 MI. 1,082.64 FT = 0.205 MI. 10,316.40 FT = 1.953 MI.

INDEX TO SHEETS CONTINUED

FEDERAL REGION NO.	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	ALA.	I-IR-10-1 (84)	1987	I A	159-H

	SHEET	NO.			LIST	ING		•			
	n	11	9	OMIT			a .				
	1.1	11	Ю	OMIT							
	1.1	Ħ	11	OMIT							
	H	П	12	PAVING	LAYOUT	STA	. 535+50	TO :	STA.	550+00	
	1.1	Ц	13	PAVING	LAYOUT	STA	550+00	TO	STA	566 +00	
	tt	11	14	1.1	11	11	566 + 00	TO	STA.	582 + 00	
	II.	п	15	11	‡1	11	582 +00	TO	STA.	595 + 00	
	11	11	16	11	÷ 8	ıı	595+00	TO	STA	611 + 00	
			17	+1	(1	11	611 +00	TO	STA.	625+00	
			18	r H	11	1.]	625+00	TO :	STA.	640 + 00	
			19	П	1.1	1.1	640+00	TO	STA.	660 + 00	
			20	OMIT							
			21	OMIT							
			22	OMIT							
			23	OMIT							
			24	OMIT							
			25-25I	UTILITY	SHEET	5					
			26 -26 G	DRAINA	GE SH	EETS					
			27-27R	BRIDGE	SHEETS	OVER	R BROAL	571	REET		
			28-28U	BRIDGE	SHEETS	OVE	RITENNE	ESSE	ES	TREET AND ILLINOIS CENTRAL GULF RAILROAD	
			29- <i>29U</i>	BRIDGE	SHEETS	OVE	R WARR	EN-L	LAWE	ERENCE CONNECTOR	
							R VIRGI				
							R TEXA	S 5	TREE		
				TEST							
			_	INTERN			REPAIR				
		4		LIGHTING	-	•	1 4 2 1	F			
			generalen		SIRIF	PING	LAYOUI	ANL) 5,	GN LAYOUT	
				OMIT	- 64		\ /				
				_	_					N MEDIAN BARRIER	
				OMIT	PROUE		THIL SA	RRICI	K W	TH LUMINAIRE MOUNTING DETAILS	
			40	,	DWC	NO	DEC-150	D-0	DET	AILS OF BRIDGE END SLAB	
			41	JECIAL	- DWG.	110,				LARE DETAIL AND WARRANTY CRITERIA FOR GUARDRAIL	
			42	11	11					LVANIZED STEEL BEAM GUARDRAIL	
			43 - 43 B		4 #		-			HEETS) DETAILS OF BEDDING OF PIPE	
			44	, , , , , , , , , , , , , , , , , , , ,	\$ 18	11				ILS OF TYPE 8 GUARDRAIL END ANCHORS	
			45	11	6 \$			•		ILS OF TYPE 10 GUARDRAIL END ANCHORS	
			46	11	11		_			AILS OF GUARDRAIL END ANCHOR TYPE 13	
			47-47A	11	s \$					AIL END ANCHOR TY3 (FOR INFORMATION PURPOSE ONLY)	
			48	1.6	i i		_			FOR PIPE UNDERDRAIN INSTALLATION	
			49	§ 8	f #	e #	197-4L	W 5	UPE	RELEVATION OF CURVES FOR FOUR (4) LANE HIGHWAYS	
			50	1 8	1.8					MENT MARKERS	
			51	1 4	1.4	н	IHS - 7/0	-14	HIGH	IWAY SIGN MOUNTING FOR STANDARD SIGNS	
•			52	, 1	a P	+ #	B-107-1	BAK	RICA	DES TYPE I, TYPE II AND TYPE III	
				1.1	<i>i</i> 4					IREMEMENTS FOR LIGHTING CONSTRUCTION SIGNS	
			54	g é	ė ė	1 1	T.C.D. 10	OD	ETA	ILS FOR TRAFFIC CHANNELIZING DEVICES	
			55	f f	ĝ ą	F #	T,C.M. 7	03	PAVE	MENT LEGENDS AND MARKINGS	
	40		56	V (1 1	1 #	P. M 70	5 - 2	APF	PLICATION OF PAVEMENT MARKERS	
		i .	57-57A	1-1	11	1.1	P.M 705	5-3	REF	LECTORIZED MARKINGS	
	To be knowed in contract to the first through the contract of					Karaman di Aramatan Anggaran da sa	in control de la control d		in State of the St		(<u>1000</u>

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OMIT
  58
                       OMIT
  59
                                  EROSION CONTROL NETTING
      SPECIAL DWG. NO.
                       ECN -659
         " " IPS-701-8 TRAFFIC STRIPING AUXILIARY LANES AND RAMPS
                       IPS-701-5 TRAFFIC STRIPES FOR 6 LANE RURAL HIGHWAYS WITH PAVED SHOULDERS
                       OMIT
                       OMIT
     SPECIAL DWG. NO. 623-XY DETAILS OF CONCRETE CURBS & CONCRETE CURB & GUTTER MOUNTABLE & BARRIER TYPES
         " B-614 SLOPE PAVING ON SLOPES UNDER SEPARATION BRIDGES
                      CPJ-450 PLAIN AND REINFORCED CEMENT CONC. PAVT, AND BRIDGE END SLAB JOINTS
                      NC-623 GORE AT TERMINALS OF ENTRANCE & EXIT RAMPS . RURAL OR URBAN SECTIONS
        " IPS-10(S.C.) Details Showing Nose Gore Required Adjacent To Recovery Lane & Required Adjacent To Recovery Lane
                      GTE-629 CONCRETE MEDIAN BARRIER TYPE 6-A FOR USE WITH G-R-E-A-T SYSTEM (PORTABLE)
         " GR-630-PP DETAIL OF GUARDRAIL FOR BRIDGE PIER PROTECTION ON EXISTING PROT WITH SLORES GREATER THAN 10:1
                      U.B. -621-P PRE-CAST JUNCTION BOX-TYPE IP, 2P & 5
                      PNJB-629 PRE-CAST CONCRETE BARRIER TYPE-6
 74-74A ...
                       FE-619 DETAIL OF CONCRETE FLARED END SECTION W/GRATE FOR CONCRETE AND METAL PIPE
                      S.W. - 618 DETAILS OF SIDEWALKS
        1 1 1 1 1
 76 SPECIAL PROJECT DETAIL - STEEL PLATE ON CONC. MEDIAN BARRIER
 77-77ASPECIAL PROJECT DWG (2-SHTS) WIND VELOCITY CHART
 78 SPECIA PROJECT DETAIL INLET TYPE E3 AND E4 FOR USE WITH CONC. MEDIAN BARRIER
                              CONC MEDIAN BARRIER TREATMENT UNDERPASS PIERS
                              DETAILS SHOWING LOCATION OF BASE PLATES & REQ'D JOINT FOR OVERHEAD SIGN SUPPORT TY.5 MEDIAN BARRIER SE
     SPECIAL DWG, NO. 710-2 BEAM POST DETAILS BASE CONN, TY-1 FUSE PLATE
 82 SPECIAL DWG. NO.
                              CC-530 DETAILS OF CONC. COLLAR
                              SS-654 SOD TERRACE OUTLETS & FLUMES
 84 " EC-665-F DETAILS OF SILT FENCE
 85 SPEC. DETAIL
                       DETAILS OF TY. 2 MOD, TY. 4A MOD. CONC. BARRIER &TRANSITION ALSO DETAIL OF TY. 10 MOD. CONC. BARRIER
 86 SPEC DWG NO. 710-3 BEAM POST DETAILS BASE CONN. TY-2 FUSE PLATE
 87-87H STO. DWG. NO. BRIDGE STANDARDS --- BGN-1, PSCP-1, TP1 25HEETS, I-100, I-131 35HEETS, LPS-1
 88-88ZN BRIDGE PLAN SHEETS FOR INFORMATION PURPOSES ONLY
 89-89-H STANDARD HIGHWAY 5/GNS -1-9-10-11-21-22-23-24-25
 90 SPEC. DWG, ND. I.F. - 634 -- INDUSTRIAL FENCE
 91 " " C.S.P. -532 DETAILS OF CORRUGATED SLOTTED DRAIN PIPE 12"-30" DIAMETER
 92 " " JB-620-B DETAILS OF JUNCTION BOX FOR PIPES 15"-60" TYPEI (O'-10' FILL HEIGHT)
 93-93B" " IHS-710-4 (3-SHTS) MULTI-DIRECTIONAL BREAKAWAY BASE
 94 " " I.H.S.-710-11 ALUMINUM LAMINATED SIGNS
 95 " " IA-720-G DETAILS OF G-R-E-A-T SYSTEM-IMPACT ATTENUATOR
96 " 1/45-710-24 MOUNTING FLAT SHT. ALUM. SIGNS ON EXTRUDED ALUMINUM STIFFENERS
D97 " MP-710 DETAILS FOR MILEPOST ON 2 LANE OR 4 LANE HIGHWAY
 98-125I CROSS SECTIONS EBR STA 541+50 ~660+19
125J-125K OMIT
 126-148 CROSS SECTIONS WBR STA 540+00 ~ 597+25,70
149-159F CROSS SECTIONS WBR STA, 609+18,44~653+00
 1596 CROSS SECTIONS MEDIAN STA. 655+50 ~ 660+00
 159-H Spec, Dwg No. IHS-710-19 DETAILS OF MOUNTING SIGN ON ROUND BREAKAVYAY POST
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D Add STD DWG 9/3/87.

FHWA REG.NO.	STATE	PROJECT NO.			TOTAL SHEETS
4	AL	I-IR-10-1 (84)	1987	3 ⁵ A	159 H

SUMMARY OF QUANTITIES

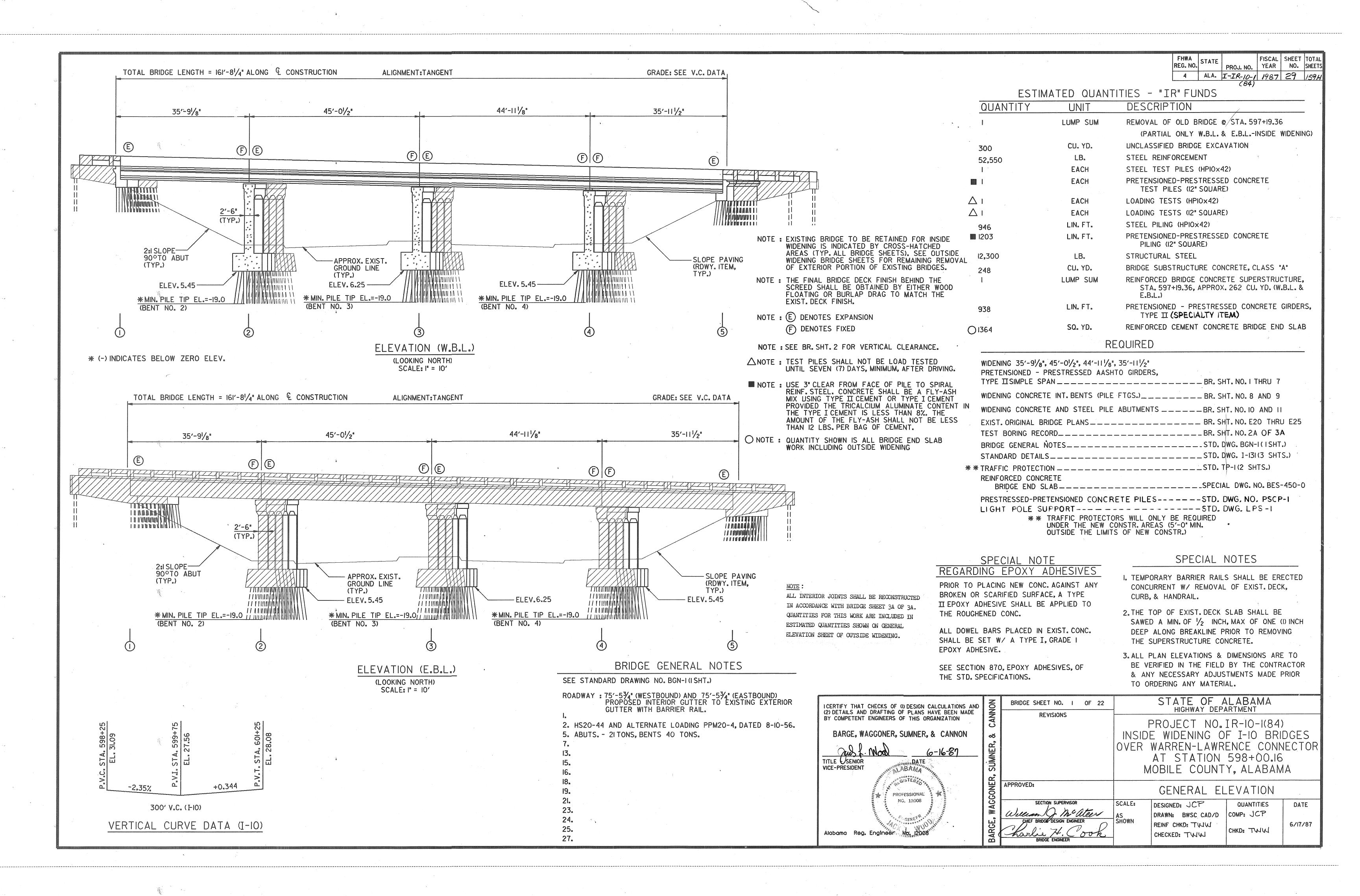
IR-FUNDS	I-FUNDS	IR-FUNDS	TOTAL	ITEM
		2313		
		2313	l l	
		2313	2313	4164-003
		3223	3223	4160-000
	50	50	100	416D-000
	476	4272	4748	420A-001
	1500	500	2000	430B-001
	5050	4605	9655	450B-000
515250	Mark Control of the C		728350	502A-000
8			10	505A-000
2			2	505A-005
6			8	505A-006
8			10	505B-000
				505B-005
		÷		505B-006
				505C-000
				505C-005
		To the state of th		505C-006
				508A-000
				5080-030
2249		DO THE STATE OF TH		510A-000
				510C-000
				510C-001
·				510C-002
				510C-003
		٠		5100-004
				5100-005
			·	510C-006
			1	510C-007
				5100-008
				5100-009
4689			4689	513B-004
1379			2758	513B-005
49	16	402	418	523B-000 5 30A-00 1
		77	77	530A-101
		3	3	530A-102
		42	42	530A-105
	84	180	264	530A-200
	4290	5616	9906	532A-001
	0.22	0.28	0.50	600A-000
	5628	6416	12044	606A-005
	8 2 6 10235 2005 13325 113120 1 2249	8 2 6 10235 2005 13325 113120 1 2249 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 2 6 10235 2005 13325 113120 1 2249 1 1 1 1 1 1 1 1 1 4689 1379 49 16 402 77 3 42 84 180 4290 5616 0.22 0.28	8 2 6 10235 2005 13637 2005 13325 13638 147950 2 2 3142 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

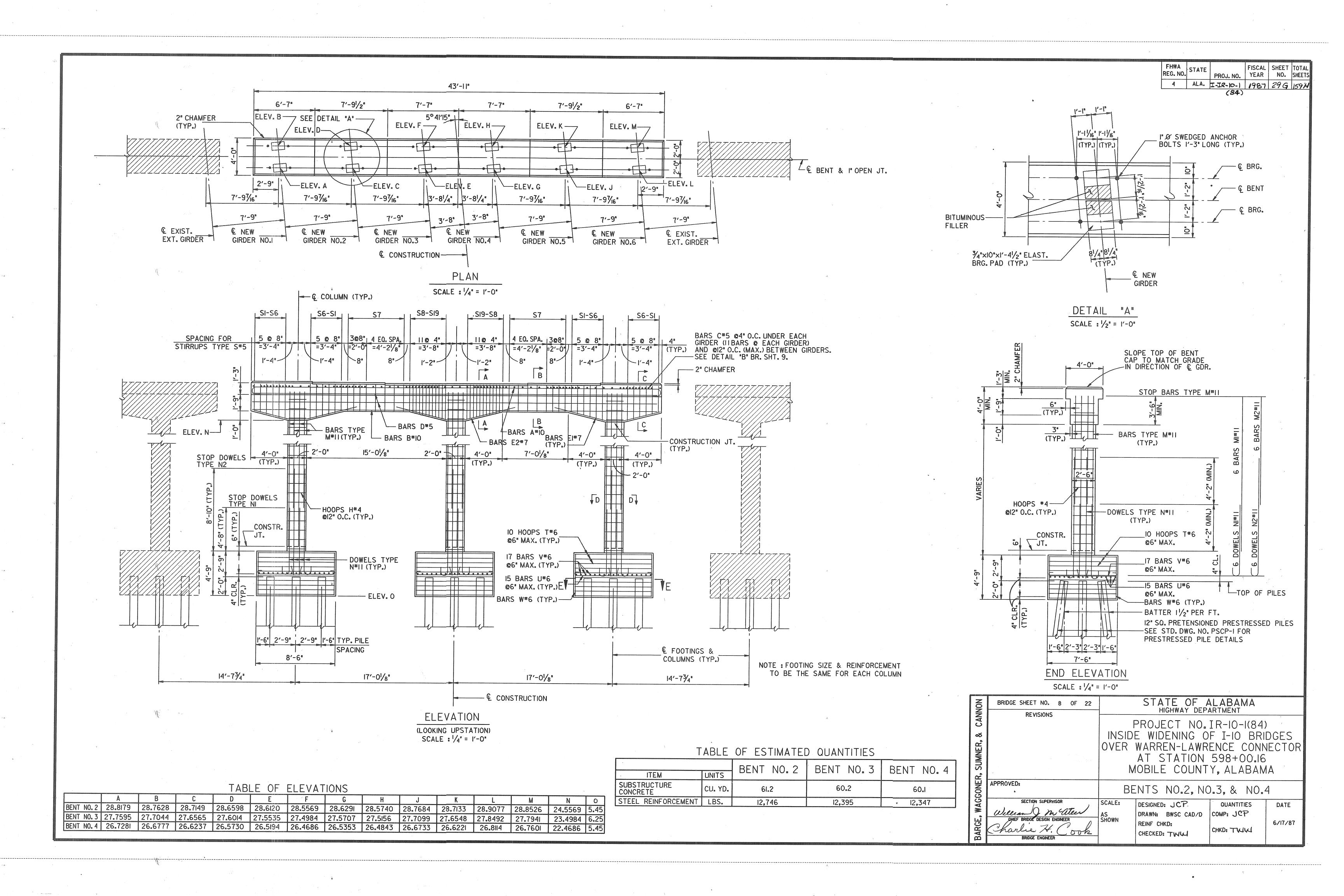
ITEM NO.	UNIT	DESCRIPTION
416A-003	TON	BITUMINOUS CONCRETE WEARING SURFACE (MIX B)
4160-000	TON	BITUMINOUS CONCRETE PLANT MIX, LEVELING
416D-000	TON	BITUMINOUS CONCRETE PLANT MIX, WIDENING
420A-001	TON	OPEN GRADED PLANT MIXED SEAL (MIX B)
430B-001	TON C I P	AGGREGATE SURFACING (PROCESSED REEF SHELLS)
450B-000	SO YD	REINFORCED CEMENT CONCRETE BRIDGE END SLAB
502A-000	POUND	STEEL REINFORCEMENT
505A-000	EACH	STEEL TEST PILES (HP 10X42)
505A-005	EACH	PRETENSIONED-PRESTRESSED CONCRETE TEST PILE (12 INCHES SQUARE)
505A-006	EACH	PRETENSIONED-PRESTRESSED CONCRETE TEST PILE (14 INCHES SQUARE)
505B-000	EACH	LOADING TESTS (HP 10X42)
505B-005	EACH	LOADING TESTS (12 INCHES SOUARE)
505B-006	EACH	LOADING TESTS (14 INCHES SQUARE)
505C-000	LIN FT	STEEL PILING (HP 10X42)
5050-005	LIN FT	PRETENSIONED-PRESTRESSED CONCRETE PILING (12 INCHES SQUARE)
505C-006	LIN FT	PRETENSIONED-PRESTRESSED CONCRETE PILING (14 INCHES SQUARE)
508A-000	POUND	STRUCTURAL STEEL
5080-030	SET	BEARING PLATES BRONZE (ONE SET CONSISTS OF 30 PLATES)
510A-000	CU YD	BRIDGE SUBSTRUCTURE CONCRETE, CLASS A
5100-000	LUMP SUM	REINFORCED BRIDGE CONCRETE SUPERSTRUCTURE, STA. 555+41.45, APPROX. 867 CU. YDS (INSIDE WIDENING)
510C-001	LUMP SUM	REINFORCED BRIDGE CONCRETE SUPERSTRUCTURE, STA. 555+41.45, APPROX. 769 CU. YDS (OUTSIDE WIDENING)
510C-00 2	LUMP SUM	REINFORCED BRIDGE CONCRETE SUPERSTRUCTURE, STA. 591+16.85, APPROX. 366 CU. YDS (INSIDE WIDENING)
5100-003	LUMP SUM	REINFORCED BRIDGE CONCRETE SUPERSTRUCTURE, STA. 591+16.85, APPROX. 319 CU. YDS (OUTSIDE WIDENING)
5100-004	LUMP SUM	REINFORCED BRIDGE CONCRETE SUPERSTRUCTURE, STA. 597+19.36, APPROX. 262 CU. YDS (INSIDE WIDENING)
5100-005	LUMP SUM	REINFORCED BRIDGE CONCRETE SUPERSTRUCTURE, STA. 597+19.36, APPROX. 147 CU. YDS (OUTSIDE WIDENING)
5100-006	LUMP SUM	REINFORCED BRIDGE CONCRETE SUPERSTRUCTURE, STA. 607+73.22, APPROX. 289 CU. YDS (INSIDE WIDENING)
5100-007	LUMP SUM	REINFORCED BRIDGE CONCRETE SUPERSTRUCTURE, STA. 607+73.22, APPROX. 182 CU. YDS (OUTSIDE WIDENING)
5100-008	LUMP SUM	REINFORCED BRIDGE CONCRETE SUPERSTRUCTURE, STA. 621+66.47, APPROX. 249 CU. YDS (INSIDE WIDENING)
5100-009	LUMP SUM	REINFORCED BRIDGE CONCRETE SUPERSTRUCTURE, STA. 621+66.47, APPROX. 255 CU. YDS (OUTSIDE WIDENING)
513B-004	LIN FT	PRETENSIONED-PRESTRESSED CONCRETE GIRDERS, TYPE II (SPECIALTY ITEM)
513B-005 523B-000 530A-001	LIN FT EACH LIN FT	PRETENSIONED-PRESTRESSED CONCRETE GIRDERS, TYPE III (SPECIALTY ITEM) Lifting Bearing 18" Roadway Pipe (Class 3 R.C.)
530A-101	LIN FT	18" ROADWAY PIPE (CLASS 3 R.C.) (EXTENSION)
530A-102	LIN FT	24" ROADWAY PIPE (CLASS 3 R.C.) (EXTENSION)
530A-105	LIN FT	42" ROADWÂY PIPE (CLASS 3 R.C.) (EXTENSION)
530A-200	LIN FT	15" ROADWAY PIPE (14 GAUGE C.C.S.P.I.)
532A-001	LIN FT	15" B.C.C.S. SLOTTED DRAIN PIPE
600A-000	LUMP SUM	MOBILIZATION
606A-005	LIN FT	6" UNDERDRAIN PIPE, TYPE 9

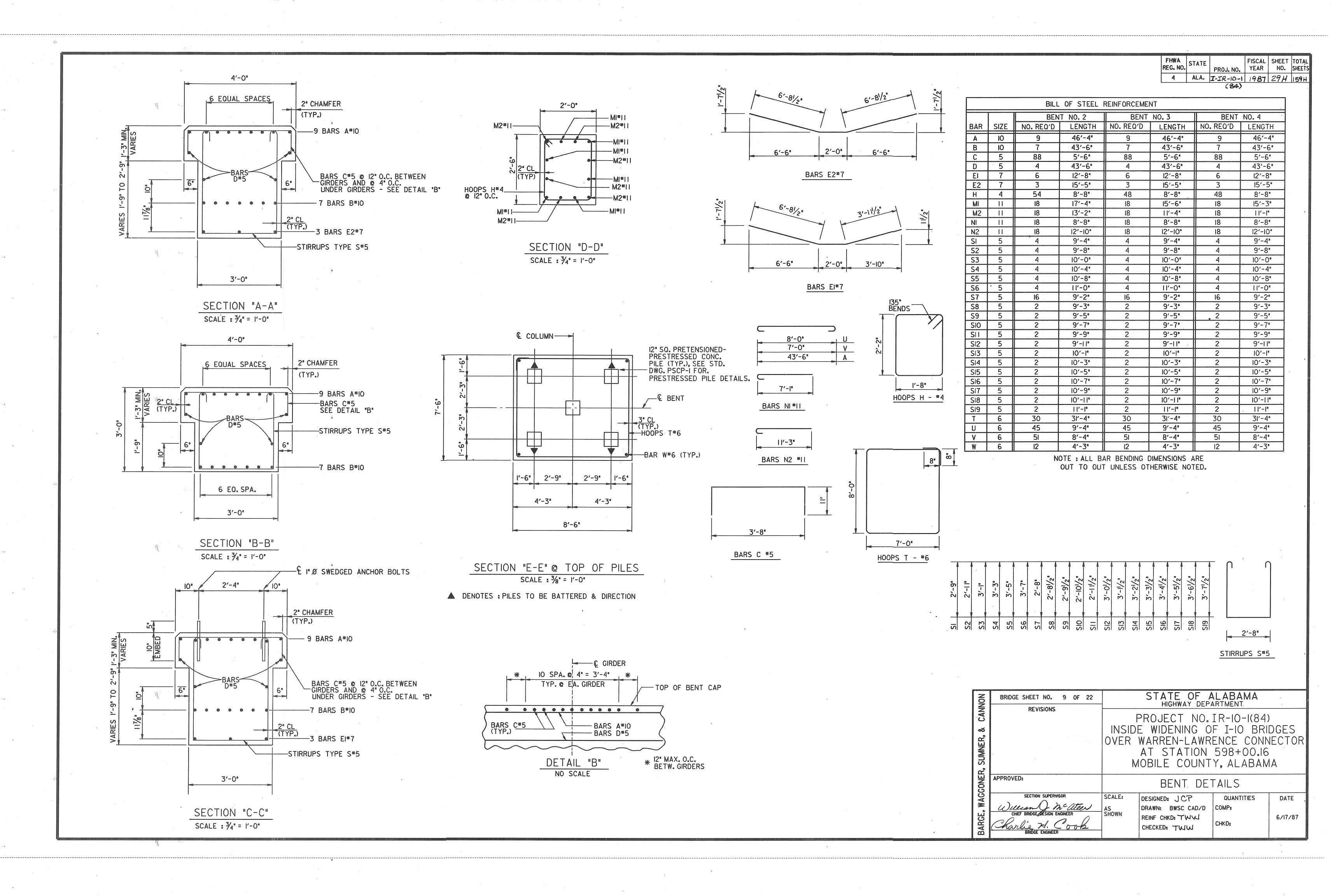
SUMMARY OF QUANTITIES PROJECT NO. I-IR-10-1(84)
MOBILE COUNTY

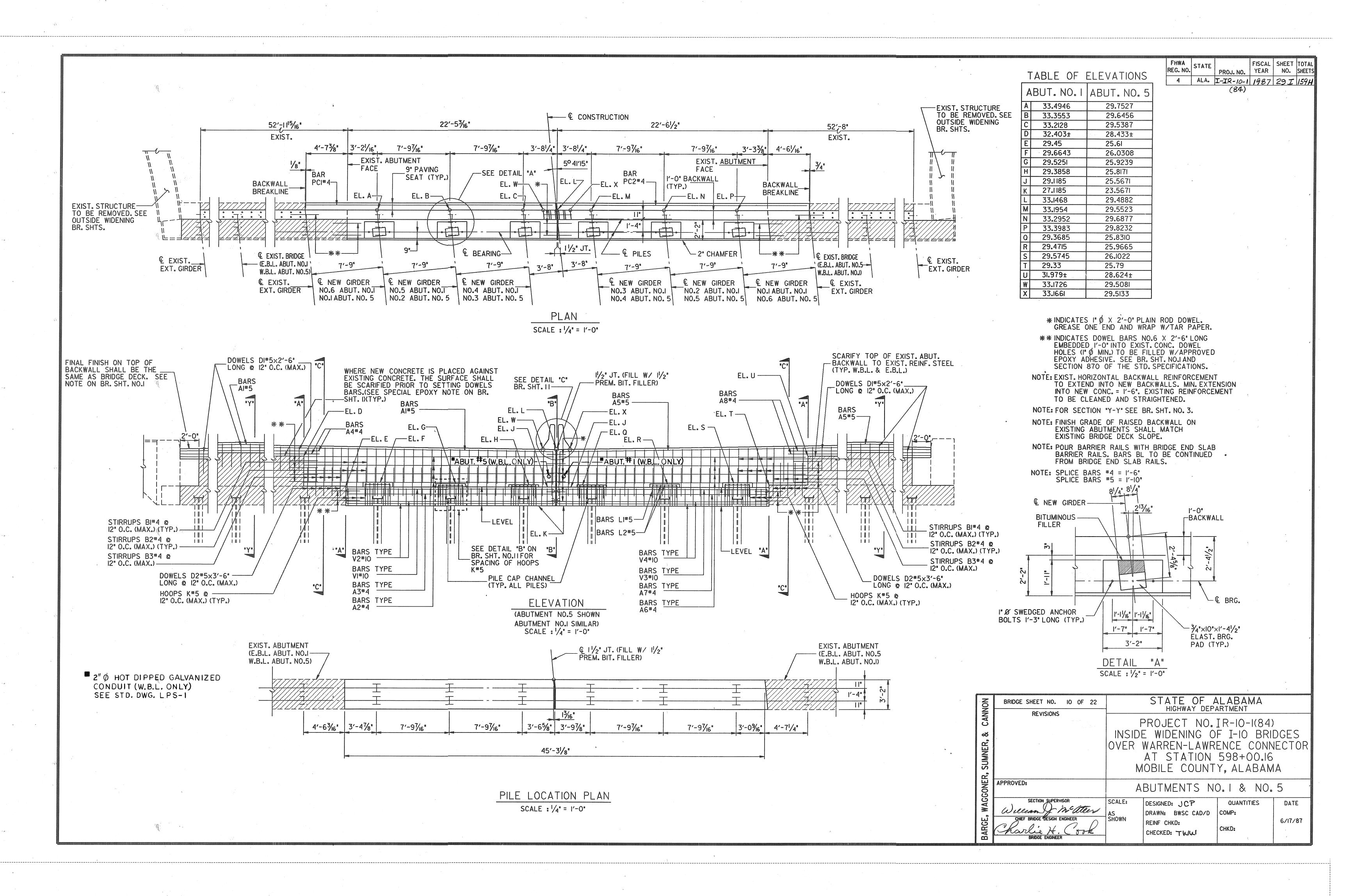
4	ALA.	I-IR-10-1(84)	1987	3-K	159H
REGION NO.	STAIL	PROJECT NOMBER	YEAR	NO.	SHEETS
FEDERAL	CTATE	PROJECT NUMBER	FISCAL	SHEET	TOTAL

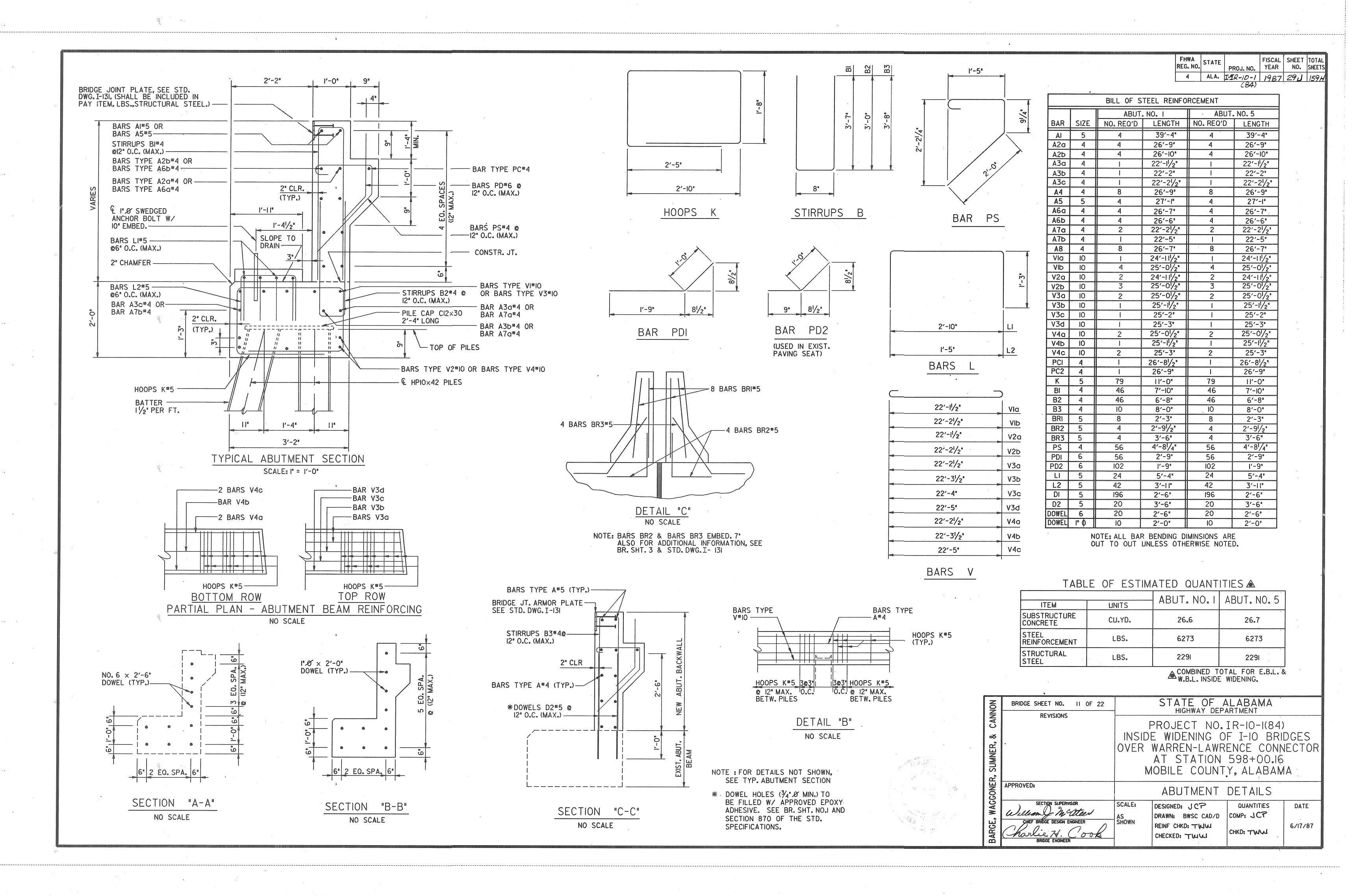
							RF	QUIRF	ED WIDE	NING	AND PART	TAL REMOVA	<u> </u>	D RCD	G BRIDGES						
		E	206A REMOVAL OF	215 A UNCLASSIFIED	502 A STEEL	505A STEEL TES	PRETE	505A Insigned.	503	5 B	505B LOADING TEST	505 C STEEL PILIA					5/0A 501A	510-C	513B	513B	1
STATION	SIDE	LENGTH	OLOBRIDGE	BRIDGE	REINFORCEMEN	T PILE (HP10)	X42 TEST	RESSED CO	ONC TEST	o x 42)	(EACH)	(HP, 10 X 42	PRI COL	ETENSIONED- ESTRESSED NC. PILING (LIN	STRUCTUAL B) STEEL	BEARING F BRONZI	501A PLATES BRIDGE E SET SUBSTRUCT	URE BRIDGE CON	PRETENSIONE C. PRESTRESSED	D PRETENSIONED PRESTRESSED	STD DWG No.'s
		LIN. FT.	LUMP SUM	Cu, Yo.	LB,	EACH	12.5	ia 143a	2450 EAC	H	12"sa 14"sa 2			a 1450 245		30	CONC CL.	A. SUPERSTRUCTUR	CONCRETE GIRDERC TYPE T	Concrete Girders Type III	
555+41	.45 206 A-50			755	141,400	1		1	1			2,250		3988	22,130		595			TYPE 111	
																		1 @ 867c	у.		
		•																			
59.1+16	.85 206°			340	71.700						1	1152		1225	12,700		298	10 366 cx	·.	1379	
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			<u> </u>	1095	213100	2		2	2	•	2	3402		5213	34830		893	1		1379	
555+41.4	15 206 A-51		,	nessed lenn lunn	127,000																•
773741.4	45 200			755	136,900					The season of th		2340		3988	26,480		581	10 769			
591 +16.1	25 706A-53			450	01000	84															
-				420	81200							1440		1627	16110		336	10 319 CY		1379	
				e e	,																
597+19.3 597+19.3	36 INSIDE	·		300 190	52.550 26000		1					946	1203	1 8	12,300		248	10 262cr	938	,	
9			,		20000	'						637	802		10690		/34	1e 147 CY	3/3	,	
Q 607+73.2	ONSIDE		1	290	60,500	1			A			10 11		1007	10/05		dis				
607+ 73.2	22 OUTSIDE		i	193	31 <i>500</i>				•			1344 <i>67</i> 2	3	1271	12,600 10530		258 134	10 289 10 182	1032 344		
×																	/37	, - , - , - , - , - , - , - , - , - , -			
621+66.4	17 INSIDE			259	58,500	8		(Valestinger)			e e e e e e e e e e e e e e e e e e e	1344		1936	9200		258	10 249	1030		
621+66.4	LI QUISIDE			235	68 100	1			1			1512		25%	15210		300	1@ 255	1032		
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						-															
				2672	5/5250	8	2	6	8		2 6	10235	2005	13325	1/3120		2249		4689	1379	

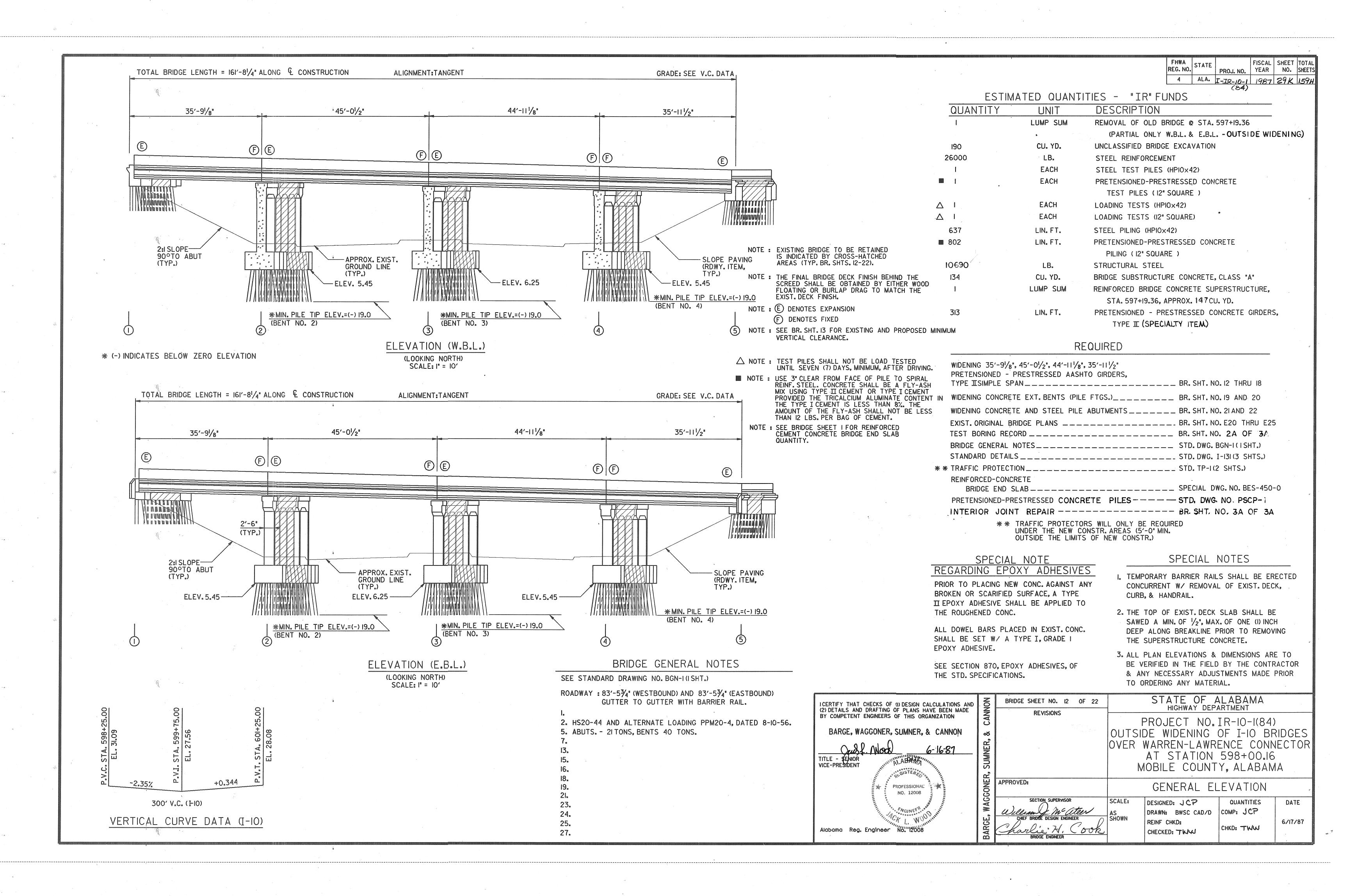


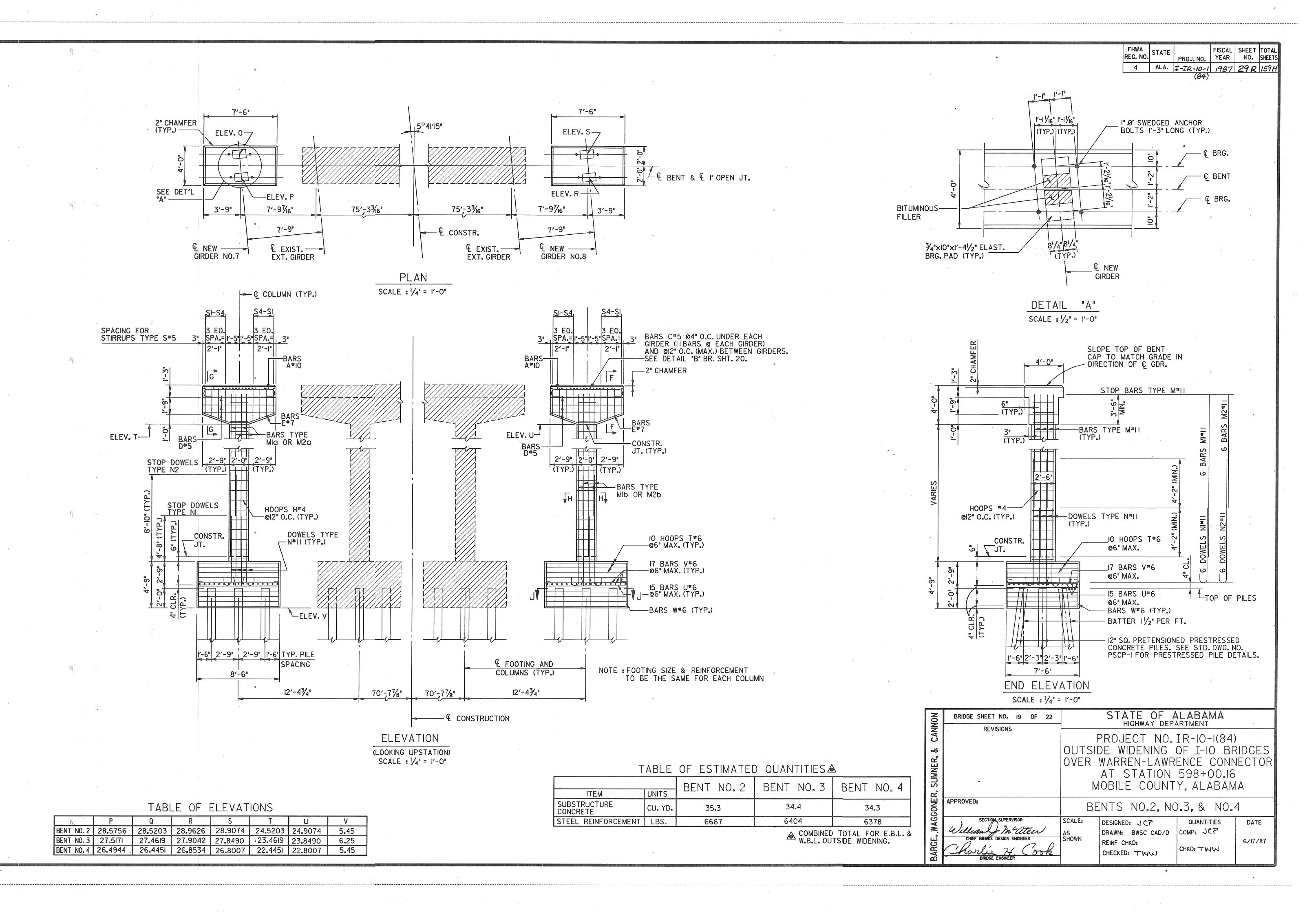


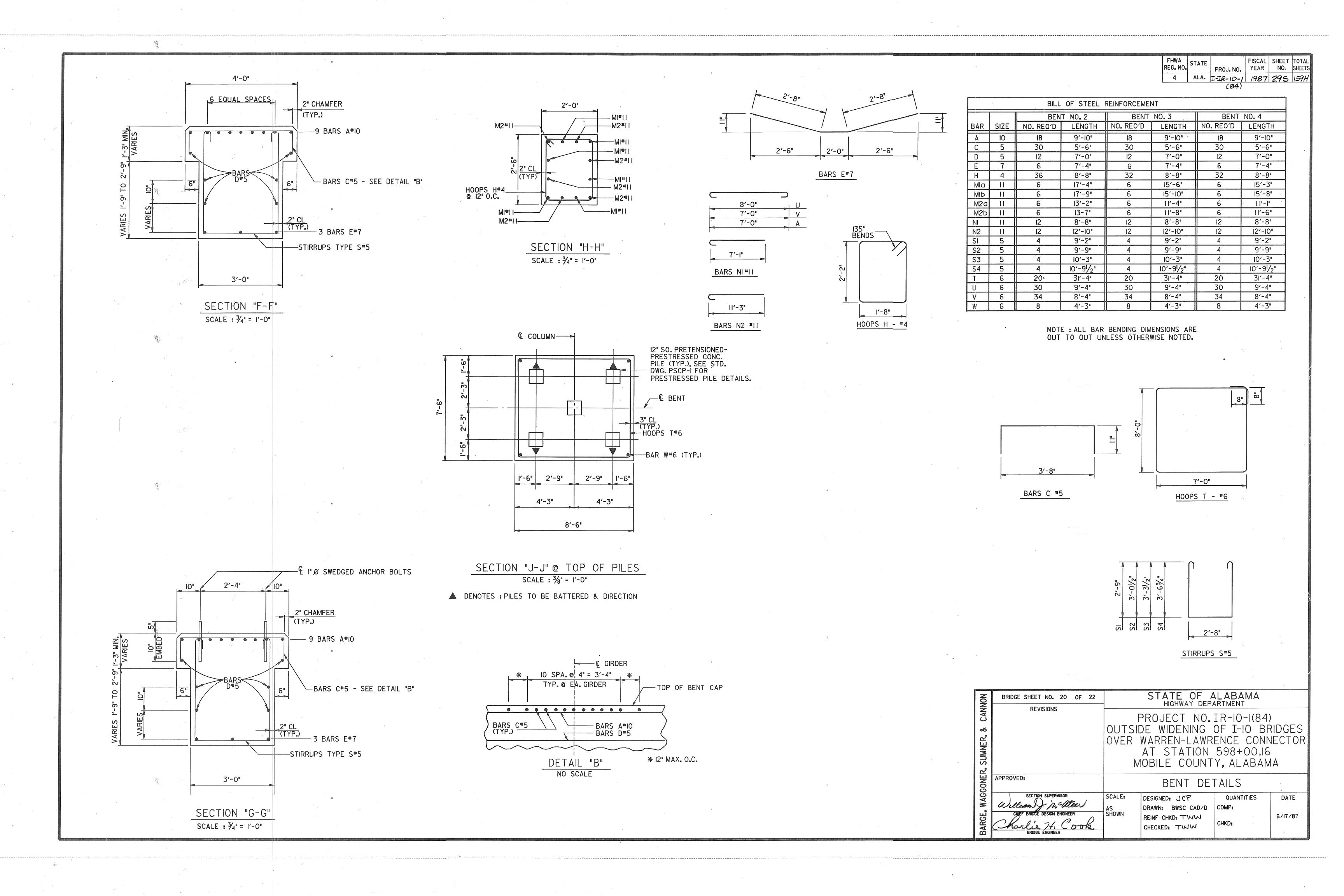


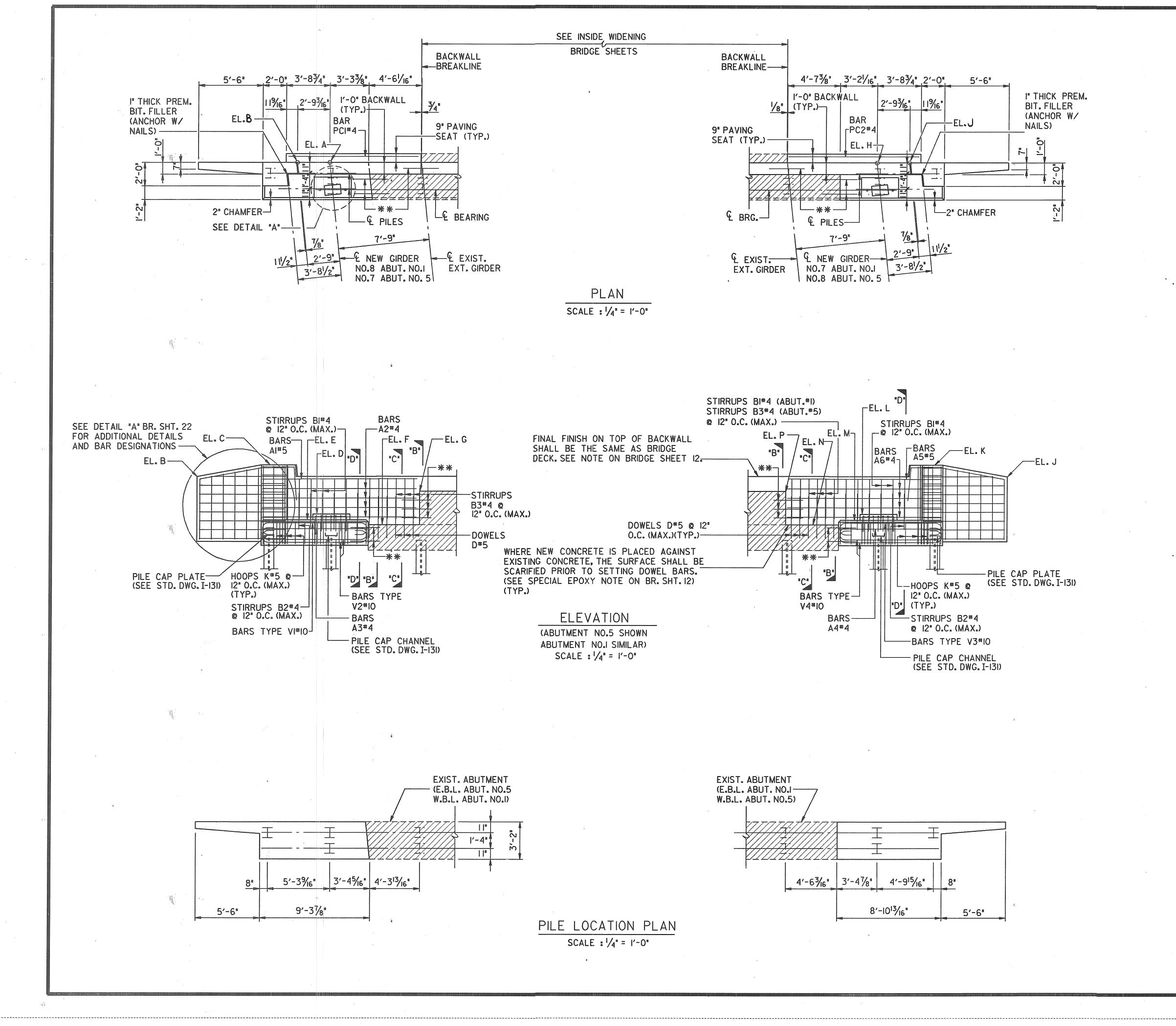












FISCAL SHEET TOTAL YEAR NO. SHEETS REG. NO. STATE PROJ. NO. TARIE OF FLEVATIONS ALA. I-IR-10-1 1987 29 T 159H

	TABLE OF ELEVATIONS											
Δ	BUT. NO. I	ABUT. NO. 5										
A	33.5460	29.5449										
В	33.5146	29.5021										
C	34.5146	30.5021										
D	29.7193	29.5021										
E	29.4693	25.5697										
F	29.42	25.42										
G	32.147±											
H	33.1663	29.8490										
J	33.1147	29.8163										
K	34.1147	30.8163										
L	29.3323	26.1244										
M	29.0823	25.8744										
N	29.38	25.71										
P	32 . 1020±	28.5330±										

TABLE OF LEEVATIONS									
ABUT. NO. I	ABUT. NO. 5								
33.5460	29.5449								
33.5146	29.5021								
34.5I46 29.7I93	30.5021								
	25.8197								
29.4693	25.5697								
23.72	25.42								
32.147±	28.254±								
33.1663	29.8490								
33.1147	29.8163								
34.1147	30.8163								
. 29.3323	26.1244								
29.0823	25.8744								
29.38	25.71								
32 . 1020±	28.5330±								

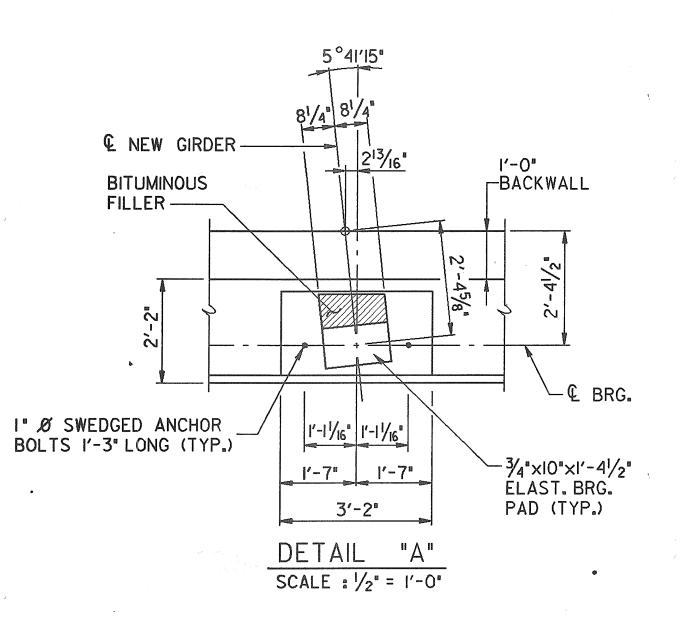
** INDICATES DOWEL BARS NO.6 X 2'-6" LONG EMBEDDED, I'-0" INTO EXIST. CONC. DOWEL HOLES (I" Ø MIN.) TO BE FILLED W/APPROVED EPOXY ADHESIVE. SEE BR. SHT. NO.12 AND SECTION 870 OF THE STD. SPECIFICATIONS.

NOTE: EXIST. HORIZONTAL BACKWALL REINFORCEMENT TO EXTEND INTO NEW BACKWALLS. MIN. EXTENSION INTO NEW CONC. = 1'-6". EXISTING REINFORCEMENT TO BE CLEANED AND STRAIGHTENED.

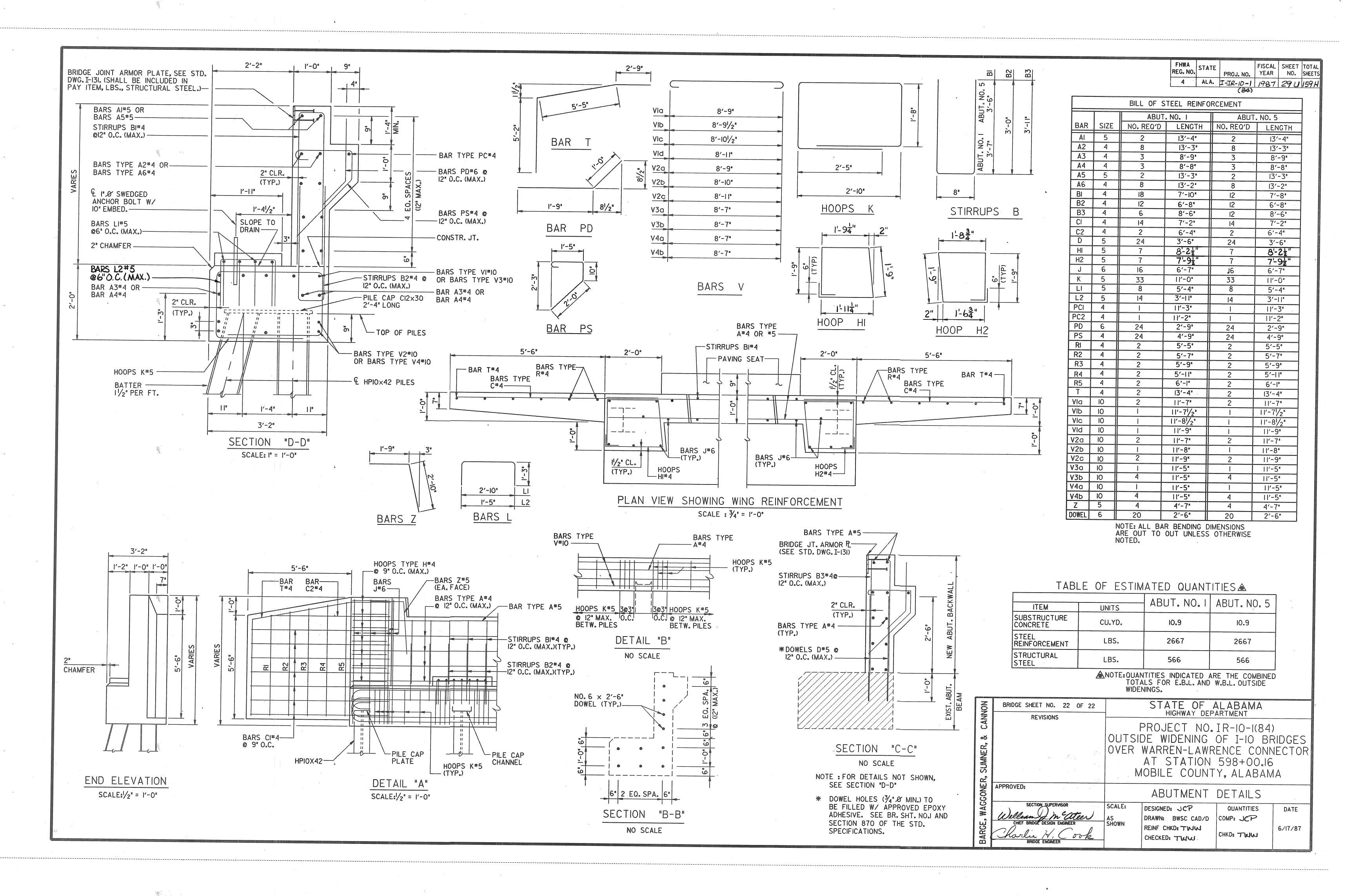
NOTE: FINISH GRADE OF RAISED BACKWALL ON EXISTING ABUTMENTS SHALL MATCH EXISTING BRIDGE DECK SLOPE.

NOTE: SEE DETAIL "B" BR. SHT. 22 FOR SPACING OF HOOPS K#5

NOTE: BAR SPLICE #4 = 1'-6" BAR SPLICE #5 = 1'-10"



CANNON	BRIDGE SHEET NO. 21 OF 22		STATE OF A				
SUMNER, &	REVISIONS	PROJECT NO.IR-10-1(84) OUTSIDE WIDENING OF I-10 BRIDGES OVER WARREN-LAWRENCE CONNECTOR AT STATION 598+00.16 MOBILE COUNTY, ALABAMA					
WAGGONER,	APPROVED:	А	BUTMENTS NO	0.1 & NO.	& NO.5		
BARGE, WAG	SECTION SUPERVISOR William & Mcatters CHIEF BRIDGE DESIGN ENGINEER Charlie H. Cook BRIDGE ENGINEER	SCALE: AS SHOWN	DESIGNED: JC7 DRAWN: BWSC CAD/D REINF CHKD: CHECKED: TWW	QUANTITIES COMP: CHKD:	DATE 6/17/87		



DERAL ION NO.	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	ALA.	I-IR-10-1 (84)	1987	32 A	159H

WARREN-LAWRENCE ST.

LOCATION: Sta. 597+99.40; C/L of I-10 ELEV. DEPTH

DESCRIPTION N CR S REMARKS I-10 over Medium moist brown very silty Warren-Lawrence clay w/sand 3.0 -11.0 Medium damp yellow & brown very silty clay w/a small amount of -3.5 -17.5 | sand Medium wet yellow, tan & gray very silty clay w/sand -9.0 **-23.0** Very stiff damp yellow, tan, & gray very sandy clay -15.5 29.5 -18.0 - 32.0 Dense wet white coarse sand Very dense wet yellow very stily sand w/occasional small amounts 35.5 55 of organic material

VIRGINIA ST.

LOCATION: Sta. 608+60.70; C/L of I-10 ELEV. DEPTH 10.0 0.0 DESCRI DESCRIPTION N CR S REMARKS Loose moist red sand w/clay I-10 over Virginia St. Loose damp red sand w/clay 1.2 8.8 Medium wet red & gray sand Soft wet gray, brown, & tan clay -8.0 218.0 Medium damp gray clay w/organic Medium damp brown & tan clay Medium wet tan & gray sand -25.0 -35.0 Dense wet tan coarse sand Very dense wet gray slightly coarse sand -35.0 -45.0 Very dense wet yellow & tan slightly coarse sand -50.5 60.5

TEXAS ST.

LOCATION: Sta. 622+47; 20' Rt. C/L of W.B.L. of I-10

12.0 0.0	DESCRIPTION		N	CR	S	REMARKS
9.0 -3.0	Loose moist tan, brown, & gray sand w/clay & silt					I-10 over Texas St.
2.0 =10.0	: Medium damp brown & tan clay : w/sand	5.3	6			
-4.0 16.0	Stiff wet gray & brown silty clay w/a small amount of sand	10.3				
	. Medium wet tan & gray sand . w/clay	20.3				
-14.0 26.0		25.3	15			
	Dense wet tan coarse sand	30.3	37			
-26.0 38.0		35.3	41			
	Very dense wet yellow & tan sand	40.1	50 .8			
-36.8 -48.8	:	45.3	54			
-382 <u>-</u> 5a.2	: Very dense wet gray sand	50.2	50 .9			

SPECIAL NOTE: SUBSURFACE INFORMATION SHOWN ON THIS DRAWING WAS OBTAINED SOLELY FOR USE IN ESTABLISHING DESIGN CONTROLS FOR THIS PROJECT. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED & IT IS NOT TO BE CONSTRUED AS PART OF THE PLANS GOVERNING CONSTRUCTION OF THIS PROJECT.

N - IS PENETRATION IN BLOWS PER FOOT (ASTM D-1586)

5 CR - IS % CORE RECOVERY, NX OR AX DESIGNATES BIT SIZE (ASTM D-2113)

BRIDGE SHEET NO. 2 A OF 3A REVISIONS	STATE OF ALABAMA HIGHWAY DEPARTMENT					
	WIDEN BROAL VIRGIN	ECT NO.I-IR NNG OF I-10 D ST., TENN.S NA ST., AND E COUNTY,	BRIDGES T., WARL. TEXAS ST	AW. ST., Г.		
APPROVED:	TEST BORING RECORD					
SECTION SORERVISOR	SCALE:	DESIGNED:	QUANTITIES	DATE		
CHIEF BRIDGE DESIGN ENGINEER		DRAWN: G.W.	COMP:	MARCH		
Charlie H. Cook BRIDGE ENGINEER		TRACED: F.B.	СНКD:	1986		