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—CONTINUES ON SHEET 1-A—

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

PLAN 1 INCH = 100 FT.
PROFILE HORIZ. 1 INCH = 100 FT. VER. 1 INCH = 5 FT.
LAYOUT, 1 IN. = 5,280 FT.

IN PLACE I-OVER BRIDGES (TO BE WIDENED)

BEGIN STA. 555+41.45 TO END STA. 558+71.29	DUAL BRIDGES—329.84 LIN. 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. 597+19.36 TO END STA. 598+81.05	DUAL BRIDGES—161.69 LIN. FT. (WARREN-LAWRENCE ST.)	⑥
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

TOTAL EFFECT = 1082.64 LIN. FT.

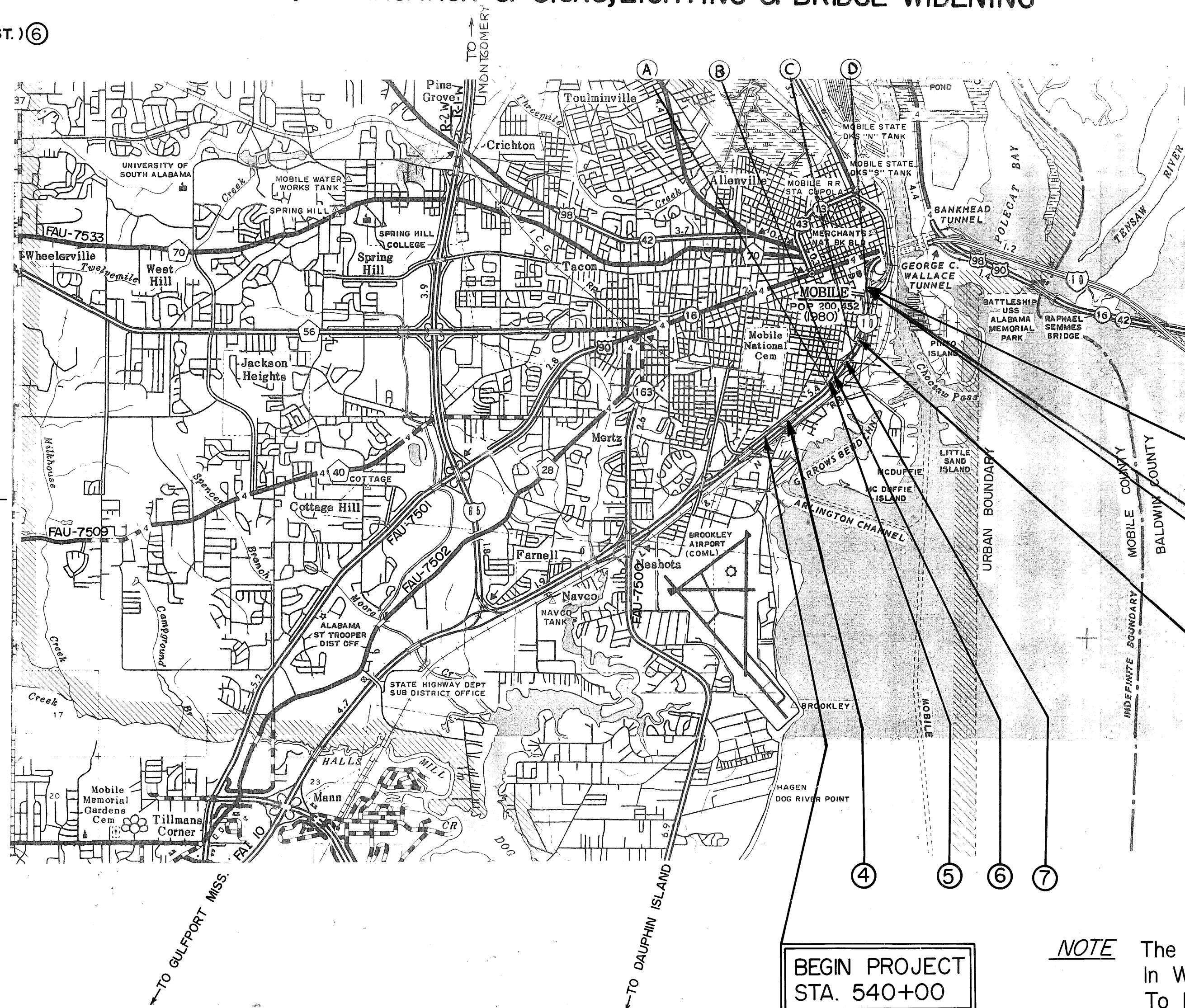
"EQUATIONS"

④	STA. 590+86.21 BK = STA. 590+84.08 AH =	2.13 LIN. FT.
⑤	STA. 597+11.86 BK = STA. 597+11.68 AH =	0.18 LIN. FT.
⑥	STA. 614+67.29 BK = STA. 614+66.60 AH =	0.69 LIN. FT.
⑦	STA. 640+39.22 BK = STA. 646+50.00 AH =	-610.78 LIN. FT.

TOTAL EFFECT = -607.78 LIN. FT.

NO "EXCEPTIONS"

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



BEGIN PROJECT
STA. 540+00

END WORK STA.
48+00 WBR

END PROJECT
STA. 660+06.82

STA. 660+06.82 BK =
45+30.13 WBR AH

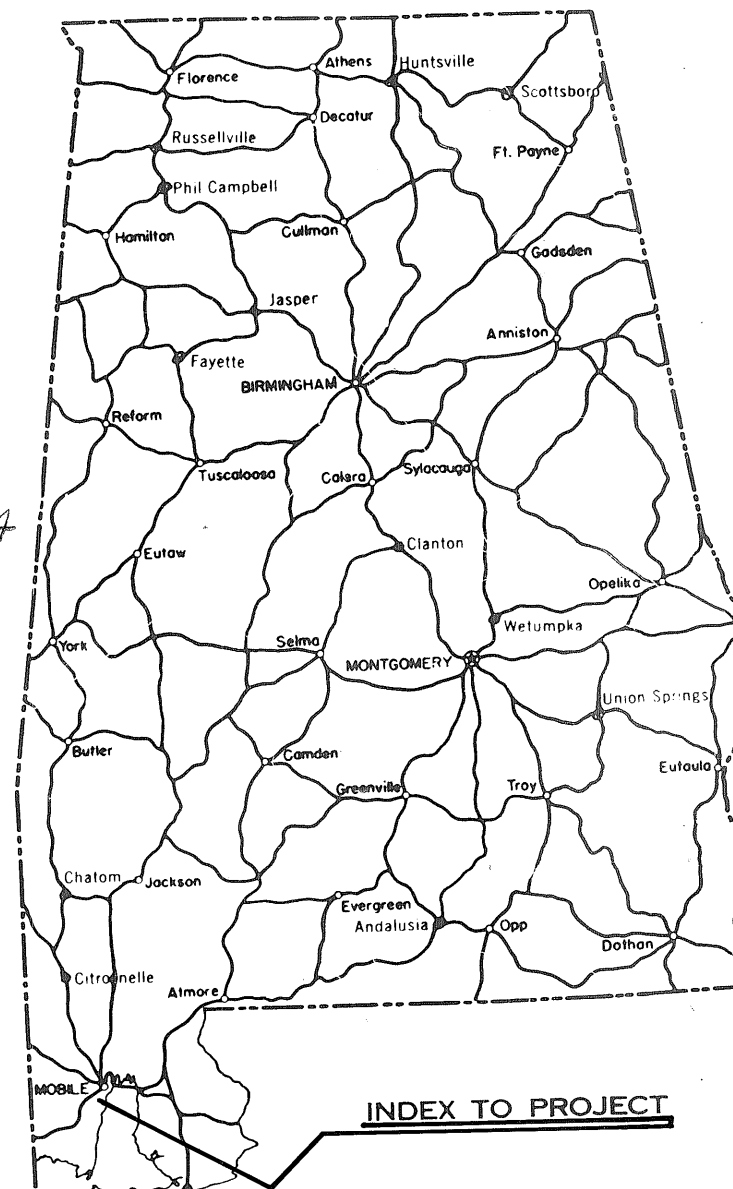
NOTE: PROJECT I-IR-IDR-10-1(84)24
AND PROJECT I-IR-IDR-10-1(83)20
ARE TO BE LET IN THE SAME
CONTRACT.

NOTE The Contractor Shall Notify The Railroad
In Writing 10 (Ten) Days Before Work Is
To Begin On This Project.

CONVENTIONAL SIGNS

STATE AND NATIONAL LINE	— — — — —	SHIP AND BARGE LINE	— — — — —
COUNTY LINE	— — — — —	INTRA-COASTAL WATERWAY	— — — — —
CITY OR TOWN BOUNDARY	— — — — —	POWER POLE	— — — — —
FENCE LINE	— — — — —	TELEPHONE OR TELEGRAPH POLE	— — — — —
WOOD	— — — — —	MARSH	— — — — —
BARBED WIRE	— — — — —	FAP OR FAS ROUTE	— — — — —
CHAIN LINK	— — — — —	RAILROAD	— — — — —
STONE WALL	— — — — —	RIGHT OF WAY LINE	— — — — —
NATIONAL FOREST BOUNDARY	— — — — —	PROPERTY LINE	— — — — —
MILITARY RESERVATION BOUNDARY	— — — — —	LEVEE	— — — — —
EXISTING CULVERT	— — — — —	GUARD RAIL	— — — — —
PROPOSED CULVERT	— — — — —	PROJECT CENTER LINE	— — — — —
BRIDGE	— — — — —		
NAVIGABLE STREAMS	— — — — —		

NOTE THE PROJECT NO. I-IR-IDR-10-1(84)24
AS INDICATED ON SHEET NO. 1 IS
THE CORRECT IDENTIFICATION
FOR THESE PLANS. IT SHALL BE
UNDERSTOOD THAT THIS NUMBER
SUPERSEDES PROJECT NO. I-IR-IDR-10-1(83)24
AS LISTED ON SHEET 1A THROUGH 153H



DESIGN DESIGNATION

ADT (1987)	53,000
ADT (2007)	93,300
K	10%
D	55%
T ADT	11%
V = 50 MPH (DESIGN SPEED)	
ACTUAL MINIMUM STOPPING SIGHT DISTANCE =	N/A

NOTE: THESE PLANS HAVE BEEN PREPARED TO CONFORM
WITH ALABAMA HIGHWAY DEPARTMENT STANDARD
SPECIFICATIONS DATED 1985.

SUBMITTED FOR APPROVAL

STATE OF ALABAMA HIGHWAY DEPARTMENT

APPROVED

STATE OF ALABAMA HIGHWAY DEPARTMENT

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR

DATE

PRELIMINARY PROJECT NO. I-IR-ID-1(84)

CODE NO. 4311-109-36-DID-001-075-472-2

TOTAL STATIONING OF PROJECT	12,006.82 FT.
EQUATIONS AND EXCEPTIONS	-607.78 FT.
NET LENGTH OF PROJECT	11,399.04 FT. = 2.158 MI.
NET LENGTH OF BRIDGES	1,082.64 FT. = 0.205 MI.
NET LENGTH OF ROADWAYS	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	1A	159-H

SHEET NO.

LISTING

"	"	9	OMIT
"	"	10	OMIT
"	"	11	OMIT
"	"	12	PAVING LAYOUT STA. 535+50 TO STA. 550+00
"	"	13	PAVING LAYOUT STA 550+00 TO STA 566+00
"	"	14	" " " 566+00 TO STA. 582+00
"	"	15	" " " 582+00 TO STA. 595+00
"	"	16	" " " 595+00 TO STA. 611+00
		17	" " " 611+00 TO STA. 625+00
		18	" " " 625+00 TO STA. 640+00
		19	" " " 640+00 TO STA. 660+00
		20	OMIT
		21	OMIT
		22	OMIT
		23	OMIT
		24	OMIT
		25-25I UTILITY SHEETS	
		26-26G DRAINAGE SHEETS	
		27-27R BRIDGE SHEETS OVER BROAD STREET	
		28-28U BRIDGE SHEETS OVER TENNESSEE STREET AND ILLINOIS CENTRAL GULF RAILROAD	
		29-29U BRIDGE SHEETS OVER WARREN-LAWRENCE CONNECTOR	
		30-30W BRIDGE SHEETS OVER VIRGINIA STREET	
		31-31Y BRIDGE SHEETS OVER TEXAS STREET	
		32-32A TEST BORING RECORD	
		33 INTERIOR JOINT REPAIR	
		34-34U LIGHTING DETAILS	
P		35-35R TRAFFIC STRIPING LAYOUT AND SIGN LAYOUT	
		36	OMIT
		37	DETAIL FOR MOUNTING WARNING SIGNS ON MEDIAN BARRIER
		38	SPECIAL PROJECT DETAIL BARRIER WITH LUMINAIRE MOUNTING DETAILS
		39	OMIT
		40	SPECIAL DWG. NO. BES-450-0 DETAILS OF BRIDGE END SLAB
		41	" " " GR-630-FD FLARE DETAIL AND WARRANTY CRITERIA FOR GUARDRAIL
		42	" " " GR-630-S GALVANIZED STEEL BEAM GUARDRAIL
		43-43B	" " " RPC-530 (3-SHEETS) DETAILS OF BEDDING OF PIPE
		44	" " " GA-630-8 DETAILS OF TYPE 8 GUARDRAIL END ANCHORS
		45	" " " GA-630-10 DETAILS OF TYPE 10 GUARDRAIL END ANCHORS
		46	" " " GA-630-13 DETAILS OF GUARDRAIL END ANCHOR TYPE 13
		47-47A	" " " GR-9A & GUARDRAIL END ANCHOR TY 3 (FOR INFORMATION PURPOSE ONLY)
		48	" " " PU-606 DETAILS FOR PIPE UNDERDRAIN INSTALLATION
		49	" " " 197-4LM SUPERELEVATION OF CURVES FOR FOUR (4) LANE HIGHWAYS
		50	" " " PM-705-1 PAVEMENT MARKERS
		51	" " " IHS-710-14 HIGHWAY SIGN MOUNTING FOR STANDARD SIGNS
		52	" " " B-107-1 BARRICADES TYPE I, TYPE II AND TYPE III
		53	" " " LCS-107 REQUIREMENTS FOR LIGHTING CONSTRUCTION SIGNS
		54	" " " T.C.D. 100 DETAILS FOR TRAFFIC CHANNELIZING DEVICES
		55	" " " T.C.M. 703 PAVEMENT LEGENDS AND MARKINGS
		56	" " " P.M.-705-2 APPLICATION OF PAVEMENT MARKERS
		57-57A	" " " P.M.-705-3 REFLECTORIZED MARKINGS

58	OMIT
59	OMIT
60	SPECIAL DWG. NO. ECN-659 EROSION CONTROL NETTING
61	" " " IPS-701-8 TRAFFIC STRIPING AUXILIARY LANES AND RAMPS
62	" " " IPS-701-5 TRAFFIC STRIPES FOR 6 LANE RURAL HIGHWAYS WITH PAVED SHOULDERS
63	OMIT
64	OMIT
65	SPECIAL DWG. NO. 623-XY DETAILS OF CONCRETE CURBS & CONCRETE CURB & GUTTER MOUNTABLE & BARRIER TYPES
66	" " " B-614 SLOPE PAVING ON SLOPES UNDER SEPARATION BRIDGES
67	" " " CPJ-450 PLAIN AND REINFORCED CEMENT CONC. PAVT. AND BRIDGE END SLAB JOINTS
68	" " " NC-623 GORE AT TERMINALS OF ENTRANCE & EXIT RAMPS. RURAL OR URBAN SECTIONS
69	" " " IPS-10(SC) DETAILS SHOWING NOSE GORE REQUIRED ADJACENT TO RECOVERY LANE & REQUIRED ADJACENT TO RECOVERY LANE
70	" " " GTE-629 CONCRETE MEDIAN BARRIER TYPE 6-A FOR USE WITH G-R-E-A-T SYSTEM (PORTABLE)
71	" " " GR-630-PP DETAIL OF GUARDRAIL FOR BRIDGE PIER PROTECTION ON EXISTING PROJ WITH SLOPES GREATER THAN 10:1
72	" " " J.B.-621-P PRE-CAST JUNCTION BOX-TYPE 1P, 2P & 5
73	" " " 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
75	" " " S.W.-618 DETAILS OF SIDEWALKS
76	SPECIAL PROJECT DETAIL - STEEL PLATE ON CONC. MEDIAN BARRIER
77-77AS	SPECIAL PROJECT DWG (2-SHTS) WIND VELOCITY CHART
78	SPECIAL PROJECT DETAIL INLET TYPE E3 AND E4 FOR USE WITH CONC. MEDIAN BARRIER
79	" " " CONC. MEDIAN BARRIER TREATMENT UNDERPASS PIERS
80	" " " DETAILS SHOWING LOCATION OF BASE PLATES & REQD JOINT FOR OVERHEAD SIGN SUPPORT TY 5 MEDIAN BARRIER
81	SPECIAL DWG. NO. 710-2 BEAM POST DETAILS BASE CONN. TY-1 FUSE PLATE
82	SPECIAL DWG. NO. CC-530 DETAILS OF CONC. COLLAR
83	" " " 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	STD. DWG. NO. BRIDGE STANDARDS --- BGN-1, PSCP-1, TPI 2 SHEETS, I-100, I-131 3 SHEETS, LPS-1
88-88Z10	BRIDGE PLAN SHEETS FOR INFORMATION PURPOSES ONLY
89-89H	STANDARD HIGHWAY SIGNS - 1-9-10-11-21-22-23-24-25
90	SPEC. DWG. NO. 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" TYPE I (0'-10' FILL HEIGHT)
93-93B	" " " I.H.S.-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	" " " IHS-710-24 MOUNTING FLAT SHT. ALUM. SIGNS ON EXTRUDED ALUMINUM STIFFENERS
97	" " " 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
159G	CROSS SECTIONS MEDIAN STA. 655+50 ~ 660+00
159-H	SPEC. DWG. NO. IHS-710-19 DETAILS OF MOUNTING SIGN ON ROUND BREAKAWAY POST

P Add STD DWG 9/3/87.

SUMMARY OF QUANTITIES

BRIDGE		ROADWAY		TOTAL
I-FUNDS	IR-FUNDS	I-FUNDS	IR-FUNDS	
			2313	2313
			3223	3223
		50	50	100
		476	4272	4748
		1500	500	2000
		5050	4605	9655
213100	515250			728350
2	8			10
	2			2
2	6			8
2	8			10
	2			2
2	6			8
3402	10235			13637
	2005			2005
5213	13325			18538
34830	113120			147950
1	1			2
893	2249			3142
1				1
1	1			1
	1			1
	1			1
	1			1
	1			1
	1			1
	1			1
	1			1
	4689			4689
1379	1379			2758
	49			49
		16	402	418
			77	77
			3	3
			42	42
		84	180	264
		4290	5616	9906
		0.22	0.28	0.50
		5628	6416	12044

ITEM NO.	UNIT	DESCRIPTION
416A-003	TON	BITUMINOUS CONCRETE WEARING SURFACE (MIX B)
416C-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	SQ 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 SQUARE)
505B-006	EACH	LOADING TESTS (14 INCHES SQUARE)
505C-000	LIN FT	STEEL PILING (HP 10X42)
505C-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
508C-030	SET	BEARING PLATES BRONZE (ONE SET CONSISTS OF 30 PLATES)
510A-000	CU YD	BRIDGE SUBSTRUCTURE CONCRETE, CLASS A
510C-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-002	LUMP SUM	REINFORCED BRIDGE CONCRETE SUPERSTRUCTURE, STA. 591+16.85, APPROX. 366 CU. YDS. - (INSIDE WIDENING)
510C-003	LUMP SUM	REINFORCED BRIDGE CONCRETE SUPERSTRUCTURE, STA. 591+16.85, APPROX. 319 CU. YDS. - (OUTSIDE WIDENING)
510C-004	LUMP SUM	REINFORCED BRIDGE CONCRETE SUPERSTRUCTURE, STA. 597+19.36, APPROX. 262 CU. YDS. - (INSIDE WIDENING)
510C-005	LUMP SUM	REINFORCED BRIDGE CONCRETE SUPERSTRUCTURE, STA. 597+19.36, APPROX. 147 CU. YDS. - (OUTSIDE WIDENING)
510C-006	LUMP SUM	REINFORCED BRIDGE CONCRETE SUPERSTRUCTURE, STA. 607+73.22, APPROX. 289 CU. YDS. - (INSIDE WIDENING)
510C-007	LUMP SUM	REINFORCED BRIDGE CONCRETE SUPERSTRUCTURE, STA. 607+73.22, APPROX. 182 CU. YDS. - (OUTSIDE WIDENING)
510C-008	LUMP SUM	REINFORCED BRIDGE CONCRETE SUPERSTRUCTURE, STA. 621+66.47, APPROX. 249 CU. YDS. - (INSIDE WIDENING)
510C-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	LIN FT	PRETENSIONED-PRESTRESSED CONCRETE GIRDERS, TYPE III (SPECIALTY ITEM)
523B-000	EACH	LIFTING BEARING
530A-001	LIN FT	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" ROADWAY 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

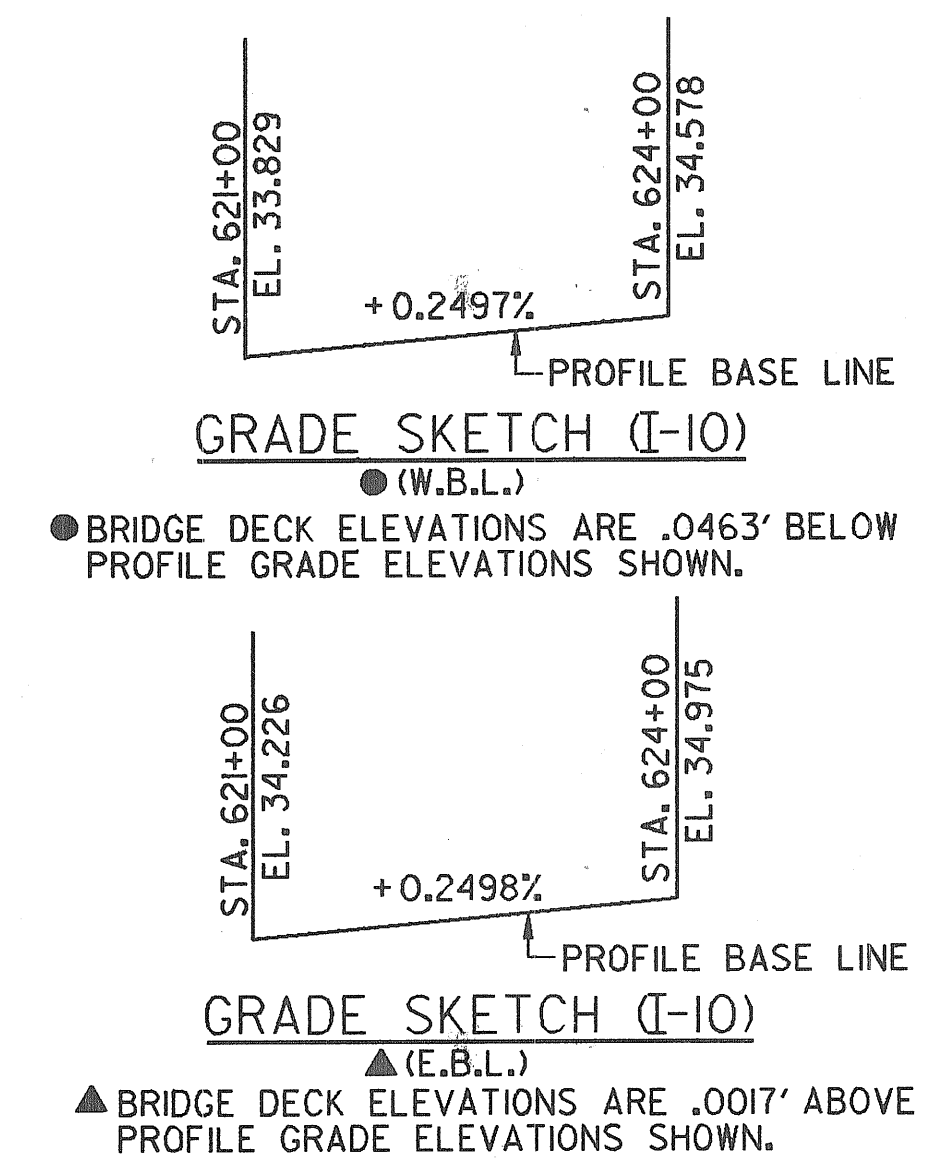
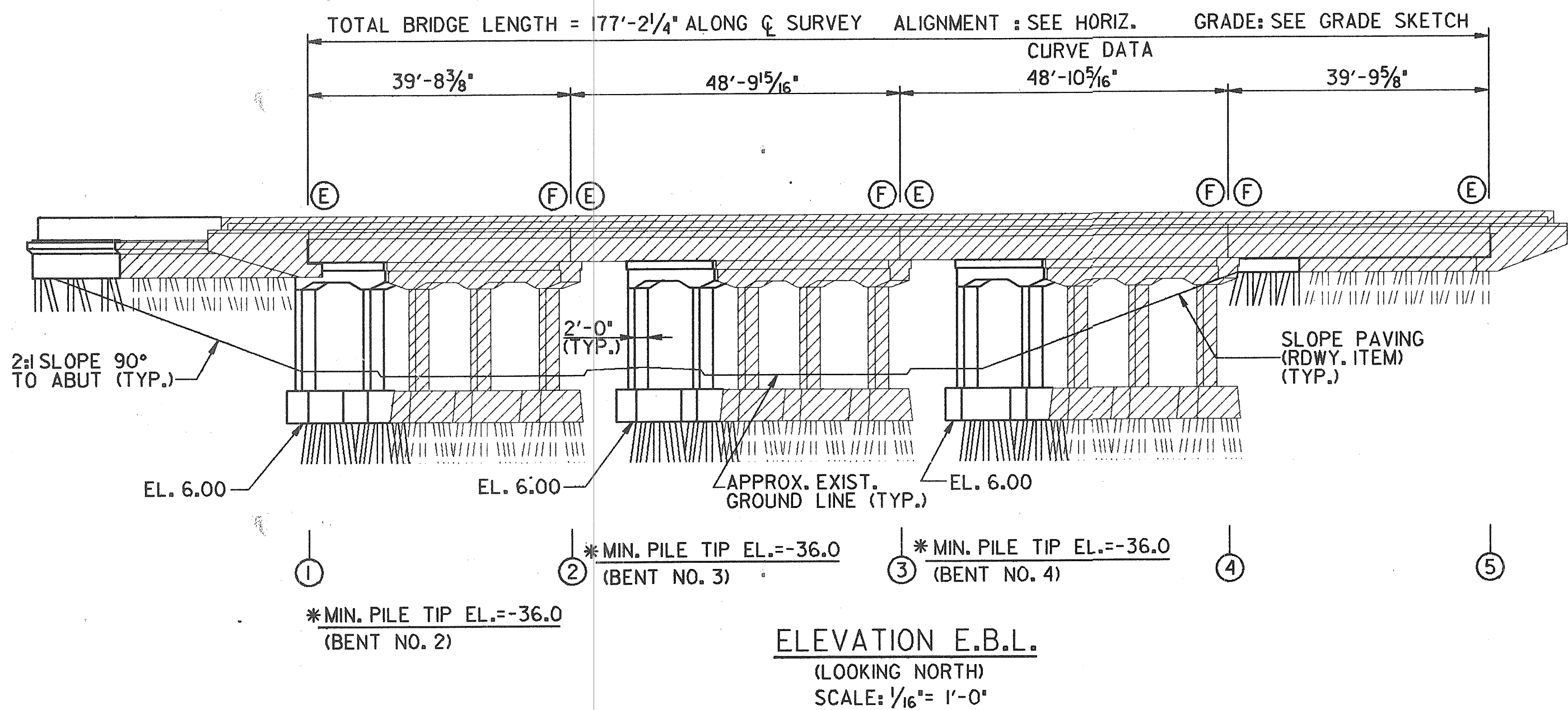
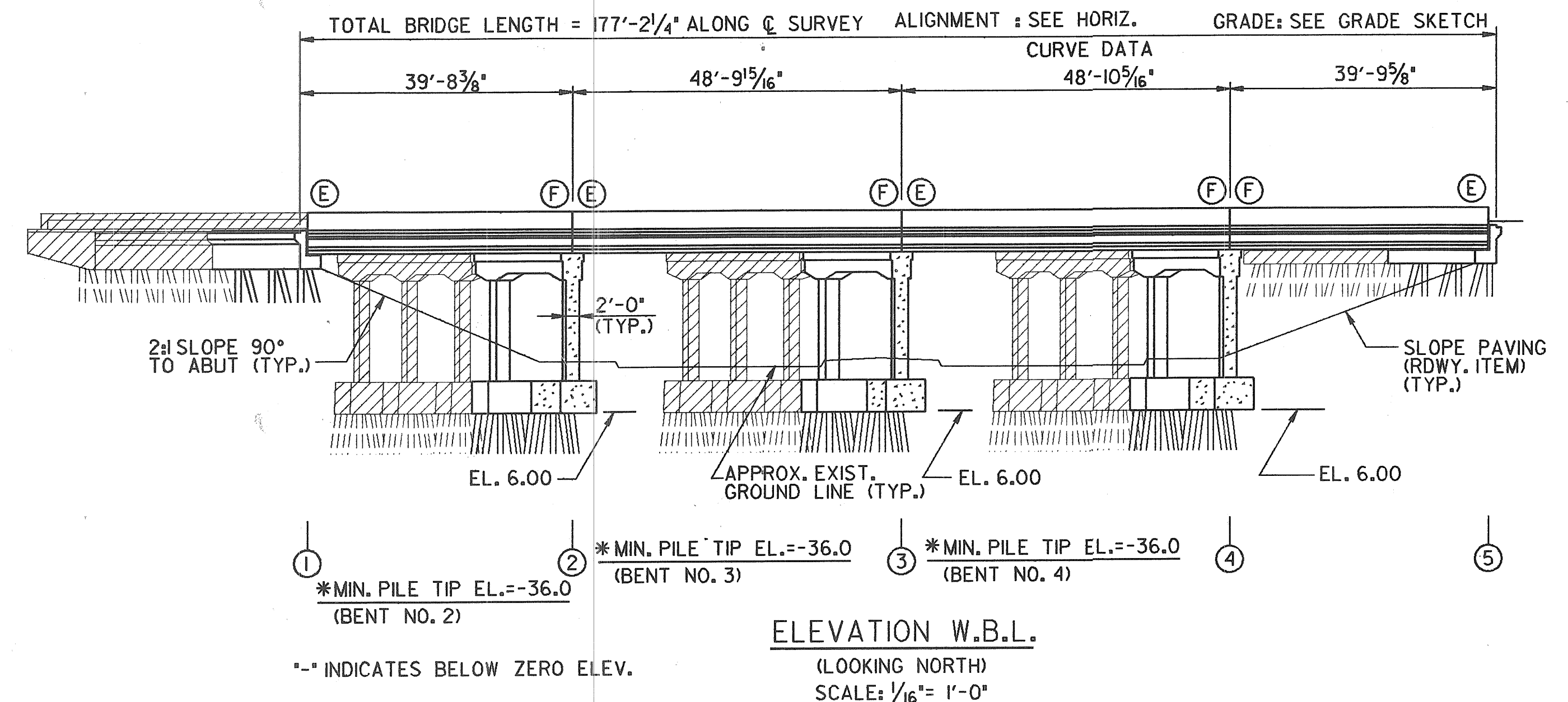
SUMMARY OF QUANTITIES
PROJECT NO. I-IR-10-1(84)
MOBILE COUNTY

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

REQUIRED WIDENING AND PARTIAL REMOVAL OLD R.C.D.G. BRIDGES

REINFORCED WIDENING AND PARTIAL REMOVAL OLD R.C.C. BRIDGES																											
STATION	SIDE	E LENGTH LIN. FT.	206A REMOVAL OF OLD BRIDGE LUMP SUM	215A UNCLASSIFIED BRIDGE EXCAVATION CU. YD.	502A STEEL REINFORCEMENT LB.	505A STEEL TEST PILE (HP10X42) EACH	505A PRESTRESSED CONC TEST PILES (EACH)			505B LOADING TEST (HP 10X42) EACH	505B LOADING TEST (EACH)			505C STEEL PILING (HP 10X42) LIN FT	505C PRETENSIONED- PRESTRESSED CONC. PILING (LIN FT)			508A STRUCTURAL STEEL LB	508C BEARING PLATES BRONZE SET			510A BRIDGE SUBSTRUCTURE CONC. CL. A. Cu.Yds	510-C REINFORCED BRIDGE CONC. SUPERSTRUCTURE LUMP SUM	513B PRETENSIONED PRESTRESSED CONCRETE GIRDERS TYPE II	513B PRETENSIONED PRESTRESSED CONCRETE GIRDERS TYPE III	STD DWG No's	
							12"sq	14"sq	24"sq		12"sq	14"sq	24"sq		12"sq	14"sq	24"sq			30							
555+41.45	206A-50		1	755	141,400	1		1		1		1		2,250		3988		22,130		1		595	1 @ 867cy.				
			591+16.85	206A-52		1	340	71,700	1		1		1		1152		1225		12,700				298	1 @ 366cy.		1379	
			1	1095	213100	2		2		2		2		3402		5213		34830		1		893	1		1379		
555+41.45	206A-51		1	755	136,900	1		1		1		1		2340		3988		26,480		1		581	1 @ 769				
			591+16.85	206A-53		1	450	81200	1		1		1		1440		1627		16110				336	1 @ 319cy		1379	
			597+19.36	INSIDE OUTSIDE	1	300	52,550	1	1		1	1		946	1203		12,300					248	1 @ 262cy	938			
			597+19.36		1	190	26000	1	1		1	1		637	802		10690				134	1 @ 147CY	313				
			607+73.22	INSIDE OUTSIDE	1	290	60,500	1		1		1		1344	1907		12,600					258	1 @ 289	1032			
			607+73.22		1	193	31500	1		1		1		672	1271		10530				134	1 @ 182	344				
621+66.47	INSIDE OUTSIDE	1	259	58,500	1		1		1		1		1344	1936		9200				258	1 @ 249	1030					
621+66.47		1	235	68100	1		1		1		1512	2596		15210				300	1 @ 255	1032							
			1	2672	515250	8	2	6		8	2	6		10235	2005	13325		113120		1		2249	1	4689	1379		

FHWA REG. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	ALA.	17-TR-10-1 (84)	1987	31	159H



BRIDGE GENERAL NOTES

SEE STANDARD DRAWING NO. BGN-1 (1SHT.)

ROADWAY : VARIES FROM 62'-1 1/8" TO 61'-6 3/8" (WESTBOUND)
AND VARIES FROM 60'-5 3/8" TO 58'-3 1/4" (EASTBOUND)
GUTTER TO GUTTER WITH BARRIER RAIL.

1. SEE STANDARD DRAWING NO. BGN-1 (1SHT.)
2. HS20-44 AND ALTERNATE LOADING PPM20-4, DATED 8-10-56.
5. ABUTS. - 23 TONS, BENTS 53 TONS.
- 7.
- 13.
- 15.
- 16.
- 18.
- 21.
- 23.
- 24.
- 25.
- 27.

- NOTE : EXISTING BRIDGE TO BE RETAINED FOR INSIDE WIDENING IS INDICATED BY CROSS-HATCHED AREAS (TYP. ALL BRIDGE SHEETS). SEE OUTSIDE WIDENING BRIDGE SHEETS FOR REMAINING REMOVAL OF EXTERIOR PORTION OF EXISTING BRIDGES.
- NOTE : THE FINAL BRIDGE DECK FINISH BEHIND THE SCREED SHALL BE OBTAINED BY EITHER WOOD FLOATING OR BURLAP DRAG TO MATCH THE EXIST. DECK FINISH.
- NOTE : (E) DENOTES EXPANSION
(F) DENOTES FIXED
- NOTE : SEE BRIDGE SHEET 2 FOR EXISTING VERTICAL CLEARANCE. SEE OUTSIDE WIDENING BRIDGE SHEETS FOR PROPOSED MINIMUM VERTICAL CLEARANCE.
- △NOTE : TEST PILES SHALL NOT BE LOAD TESTED UNTIL SEVEN (7) DAYS, MINIMUM, AFTER DRIVING.
- NOTE : USE 3" CLEAR FROM FACE OF PILE TO SPIRAL REINF. STEEL. CONCRETE SHALL BE A FLY-ASH MIX USING TYPE II CEMENT OR TYPE I CEMENT PROVIDED THE TRICALCIUM ALUMINATE CONTENT IN THE TYPE I CEMENT IS LESS THAN 8%. THE AMOUNT OF THE FLY-ASH SHALL NOT BE LESS THAN 12 LBS. PER BAG OF CEMENT.
- NOTE : QUANTITY SHOWN IS ALL BRIDGE END SLAB WORK INCLUDING OUTSIDE WIDENING

SPECIAL NOTE REGARDING EPOXY ADHESIVES

PRIOR TO PLACING NEW CONC. AGAINST ANY BROKEN OR SCARIFIED SURFACE, A TYPE II EPOXY ADHESIVE SHALL BE APPLIED TO THE ROUGHENED CONC.

ALL DOWEL BARS PLACED IN EXIST. CONC. SHALL BE SET W/ A TYPE I, GRADE I EPOXY ADHESIVE.

SEE SECTION 870, EPOXY ADHESIVES, OF THE STD. SPECIFICATIONS.

SPECIAL NOTES

1. TEMPORARY BARRIER RAILS SHALL BE ERECTED CONCURRENT W/ REMOVAL OF EXIST. DECK, CURB, & HANDRAIL.
2. THE TOP OF EXIST. DECK SLAB SHALL BE SAWED A MIN. OF 1/2", MAX. OF ONE (1) INCH DEEP ALONG BREAKLINE PRIOR TO REMOVING THE SUPERSTRUCTURE CONCRETE.
3. ALL PLAN ELEVATIONS & DIMENSIONS ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR AND ANY NECESSARY ADJUSTMENTS MADE PRIOR TO ORDERING ANY MATERIAL.

ESTIMATED QUANTITIES - "IR" FUNDS			
QUANTITY	UNIT	DESCRIPTION	
1	LUMP SUM	REMOVAL OF OLD BRIDGE @ STA. 621+66.47 (PARTIAL ONLY W.B.L. & E.B.L. - INSIDE WIDENING)	
259	CU. YD.	UNCLASSIFIED BRIDGE EXCAVATION	
58,500	LB.	STEEL REINFORCEMENT	
1	EACH	STEEL TEST PILES (HP10x42)	
1	EACH	PRETENSIONED - PRESTRESSED CONCRETE TEST PILES (14" SQUARE)	
1	EACH	LOADING TESTS (HP10x42)	
1	EACH	LOADING TESTS (14" SQUARE)	
1344	LIN. FT.	STEEL PILING (HP10x42)	
1936	LIN. FT.	PRETENSIONED - PRESTRESSED CONCRETE PILING (14" SQUARE)	
9200	LB.	STRUCTURAL STEEL	
258	CU. YD.	BRIDGE SUBSTRUCTURE CONCRETE, CLASS "A"	
1	LUMP SUM	REINFORCED BRIDGE CONCRETE SUPERSTRUCTURE, STA. 621+66.47, APPROX. 249 CU. YD. (W.B.L. & E.B.L.)	
1030	LIN. FT.	PRETENSIONED - PRESTRESSED CONCRETE GIRDERS, TYPE II (SPECIALTY ITEM)	
1571	SQ. YD.	REINFORCED CEMENT CONCRETE BRIDGE END SLAB	

REQUIRED

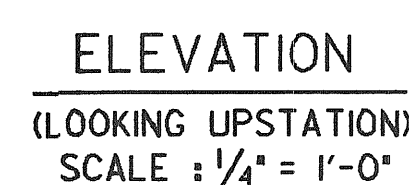
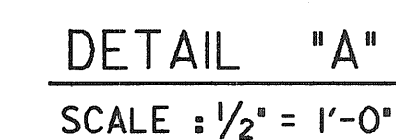
WIDENING 39'-8 3/8", 48'-9 1/8", 48'-10 5/16", 39'-9 5/8"	
PRETENSIONED - PRESTRESSED AASHTO GIRDERS,	
TYPE II SIMPLE SPAN	BR. SHT. NO. 1 THRU 8
WIDENING CONCRETE INT. BENTS (PILE FTGS.)	BR. SHT. NO. 9 AND 10
WIDENING CONCRETE AND STEEL PILE ABUTMENTS	BR. SHT. NO. 11 THRU 13
EXIST. ORIGINAL BRIDGE PLANS	BR. SHT. NO. E36 THRU E43
TEST BORING RECORD	BR. SHT. NO. 2A OF 3A
BRIDGE GENERAL NOTES	STD. DWG. BGN-1 (1SHT.)
STANDARD DETAILS	STD. DWG. I-131 (3 SHTS.)
* * TRAFFIC PROTECTION	STD. TP-1 (2 SHTS.)
REINFORCED CONCRETE BRIDGE END SLAB	SPECIAL DWG. NO. BES-450-0
PRETENSIONED - PRESTRESSED CONCRETE PILES	STD. DWG. NO. PSCP-1
LIGHT POLE SUPPORT	STD. DWG. LPS-1
* * TRAFFIC PROTECTORS WILL ONLY BE REQUIRED UNDER THE NEW CONSTR. AREAS (5'-0" MIN. OUTSIDE THE LIMITS OF NEW CONSTR.)	

NOTE :

ALL INTERIOR JOINTS SHALL BE RECONSTRUCTED IN ACCORDANCE WITH BRIDGE SHEET 3A OF 3A.

QUANTITIES FOR THIS WORK ARE INCLUDED IN ESTIMATED QUANTITIES SHOWN ON GENERAL ELEVATION SHEET OF OUTSIDE WIDENING.

I CERTIFY THAT CHECKS OF (1) DESIGN CALCULATIONS AND (2) DETAILS AND DRAFTING OF PLANS HAVE BEEN MADE BY COMPETENT ENGINEERS OF THIS ORGANIZATION BARGE, WAGGONER, SUMNER, & CANNON <i>Jack L. Wood</i> 7-7-87 TITLE : SENIOR VICE-PRESIDENT DATE : 7-7-87 PROFESSIONAL NO. 12008 Alabama Reg. Engineer No. 12008	BRIDGE SHEET NO. 1 OF 26 REVISIONS		STATE OF ALABAMA HIGHWAY DEPARTMENT PROJECT NO. 17-TR-10-1 (84) INSIDE WIDENING OF I-10 BRIDGES OVER TEXAS STREET AT STATION 621+66.47 MOBILE COUNTY, ALABAMA			
	APPROVED: <i>William J. McAttee</i> SECTION SUPERVISOR <i>Charles H. Cook</i> BRIDGE ENGINEER		GENERAL ELEVATION			
	SCALE: AS SHOWN		DESIGNED: WAP DRAWN: BWSC CAD/D REINF CHKD: TWWJ CHECKED: TWWJ		QUANTITIES COMP: TWWJ CHKD:	
					DATE 6/30/87	



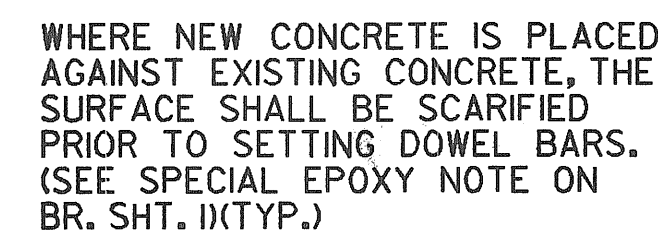
	A	B	C	D	E	F	G	H	J	K	L	M	N	P
BENT NO. 2	30.4658	30.4720	30.6720	30.6781	30.8782	30.8842	30.2619	30.2673	30.4379	30.4436	30.6139	30.6199	30.0119	6.00
BENT NO. 3	30.5862	30.5923	30.7905	30.7966	30.9949	31.0009	30.3681	30.3736	30.5495	30.5553	30.7310	30.7370	30.1182	6.00
BENT NO. 4	30.7066	30.7128	30.9091	30.9152	31.1116	31.1176	30.4748	30.4803	30.6615	30.6673	30.8483	30.8543	30.2248	6.00

		BENT NO. 2	BENT NO. 3	BENT NO.
ITEM	UNITS			
SUBSTRUCTURE CONCRETE	CU. YD.	60.4	60.5	60.6
STEEL REINFORCEMENT	LBS.	15077	15117	15157

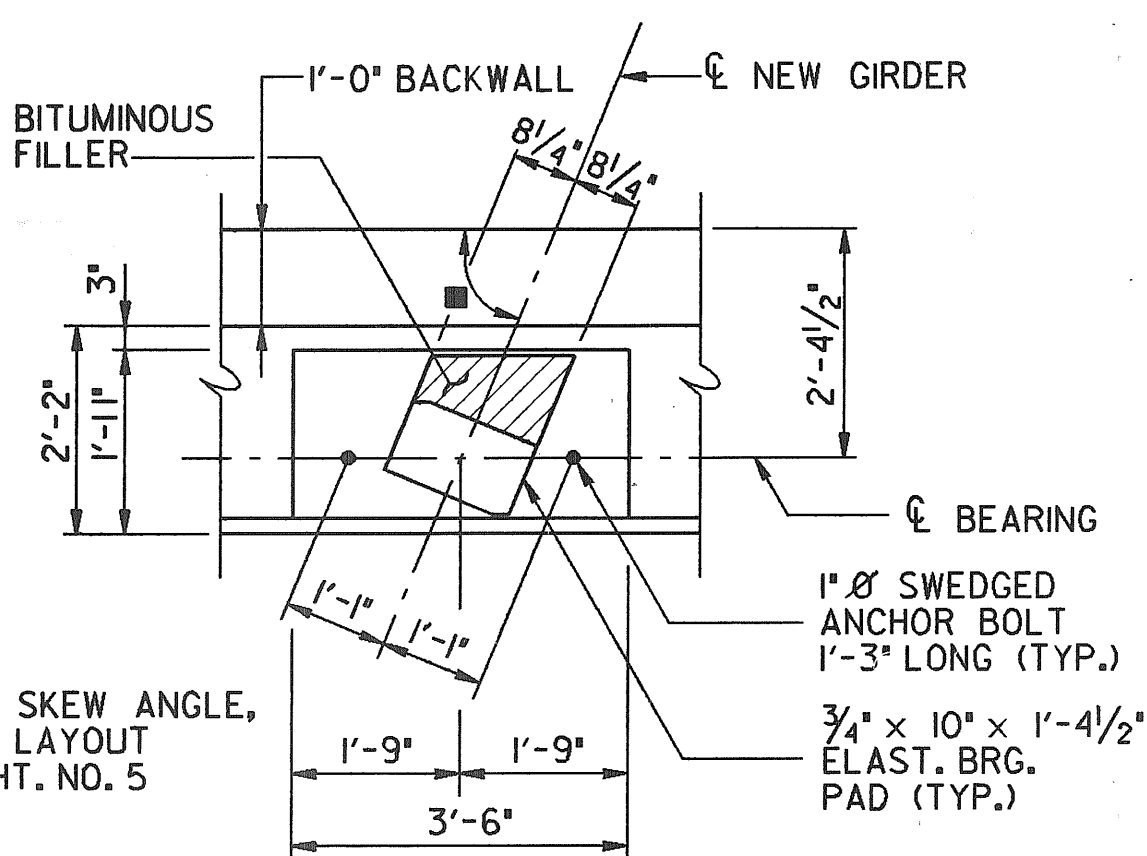
BARGE, WAGGONER, SUMNER, & CANNON	BRIDGE SHEET NO. 9 OF 26		STATE OF ALABAMA HIGHWAY DEPARTMENT			
	REVISIONS		PROJECT NO. IR-10-I(84) INSIDE WIDENING OF I-10 BRIDGES OVER TEXAS STREET AT STATION 621+66.47 MOBILE COUNTY, ALABAMA			
	APPROVED:		BENTS NO.2, NO.3, & NO.4			
	SECTION SUPERVISOR <i>William D. McAttee</i> CHIEF BRIDGE DESIGN ENGINEER <i>Charles H. Cook</i> BRIDGE ENGINEER		SCALE: AS SHOWN	DESIGNED: WAP DRAWN: BWSW CAD/D REINF CHKD: CHECKED: TWW	QUANTITIES COMP: TWW CHKD: WAP	DATE 6/30/87

[illegible]

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



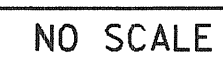
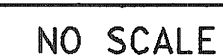
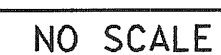
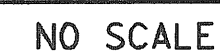
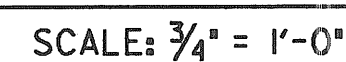
ABUT. NO. 1	
A	34.2512
B	34.0795
C	33.9077
D	33.8171
E	34.6275
F	33.172±
G	30.21
H	30.3817
J	29.8288
K	30.5278
L	30.3558
M	30.1838
N	34.5364
P	34.3288
Q	34.1211
R	30.6190
S	30.0168
T	30.7923
U	30.5847
V	30.3771
W	29.73
X	31.692±
Y	33.8572
Z	34.5872
AA	27.3817
BB	26.8288
CC	27.6190
DD	27.0168



DETAIL "A"

SCALE : $\frac{1}{2}" = 1'-0"$

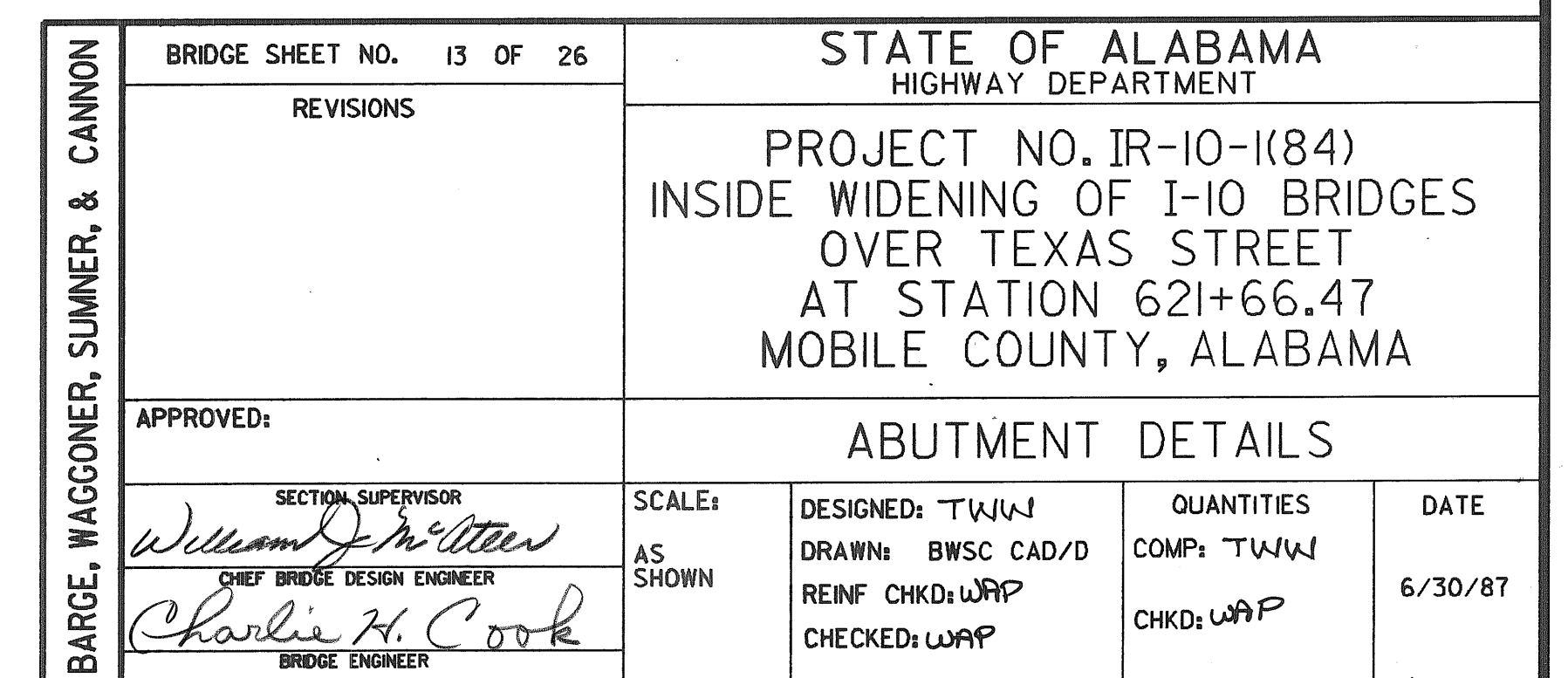
BARGE, WAGGONER, SUMNER, & CANNON	BRIDGE SHEET NO. 11 OF 26	STATE OF ALABAMA HIGHWAY DEPARTMENT			
	REVISIONS	PROJECT NO. IR-10-I(84) INSIDE WIDENING OF I-10 BRIDGES OVER TEXAS STREET AT STATION 621+66.47 MOBILE COUNTY, ALABAMA			
	APPROVED:	ABUTMENT NO. I			
	SECTION SUPERVISOR <i>William J. Witten</i> CHIEF BRIDGE DESIGN ENGINEER <i>Charlie F. Cook</i> BRIDGE ENGINEER	SCALE: AS SHOWN	DESIGNED: TWWJ DRAWN: BWSG CAD/D REINF CHKD: CHECKED: WAP	QUANTITIES COMP: CHKD:	DATE 6/30/87


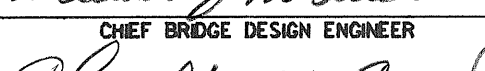


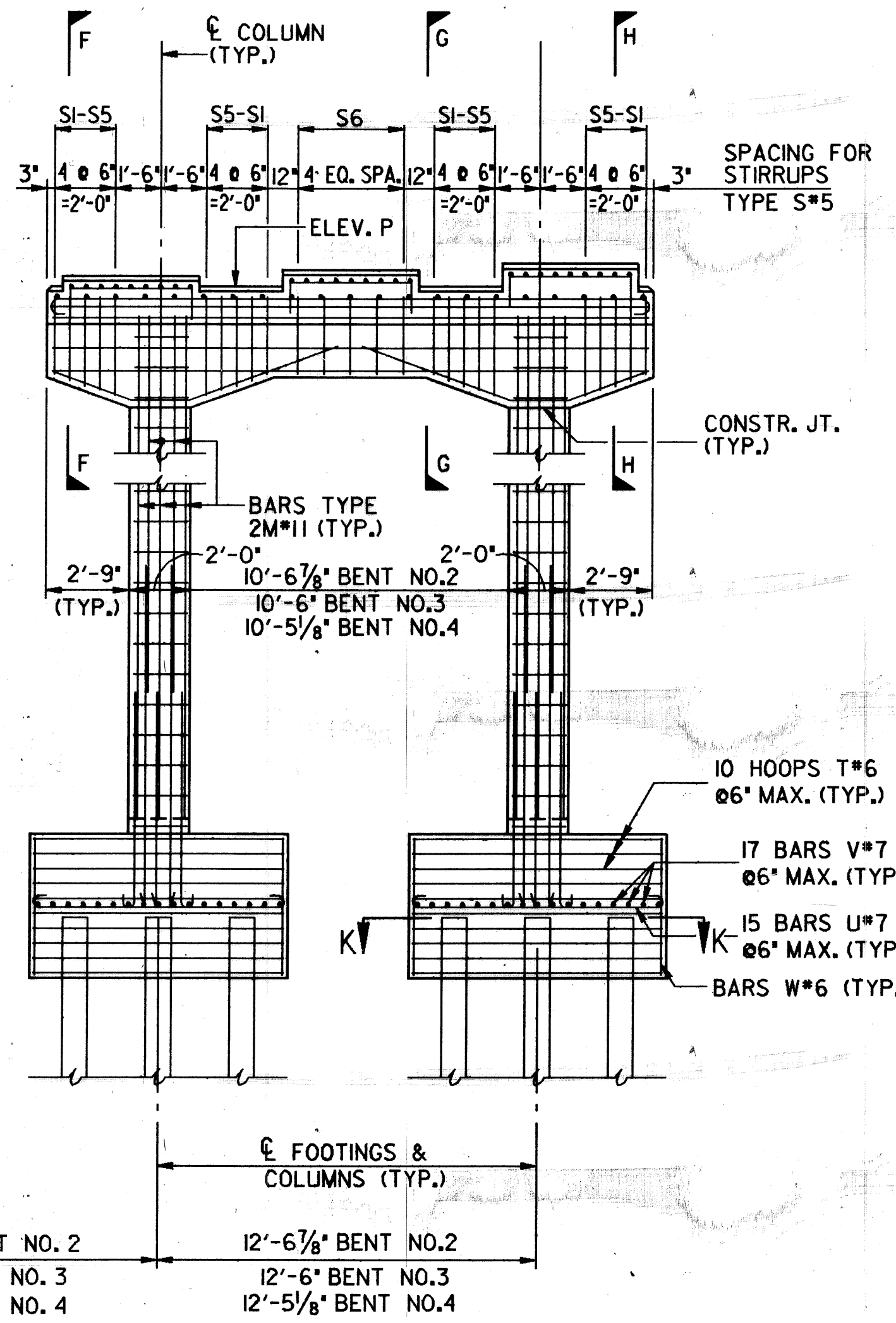
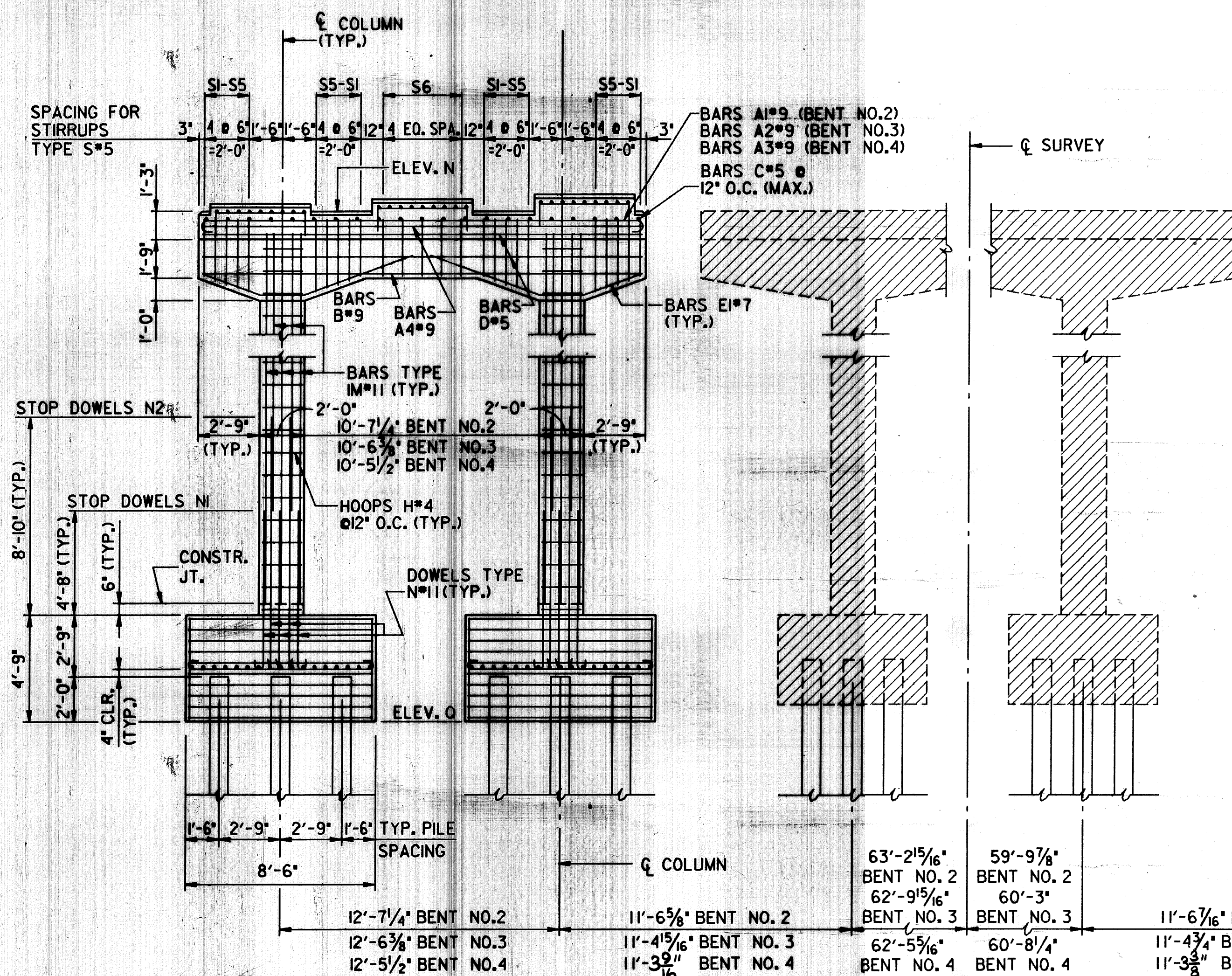
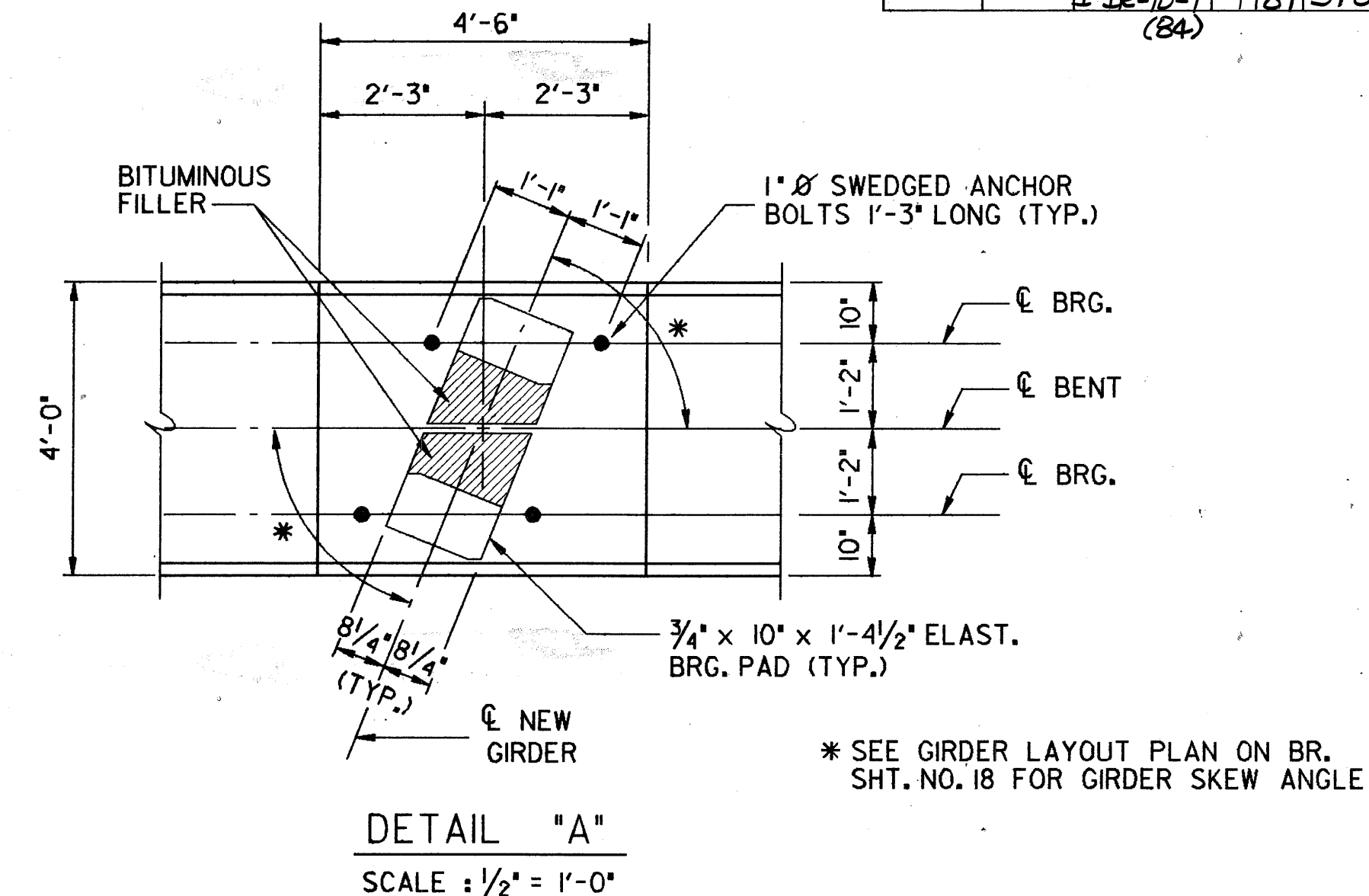
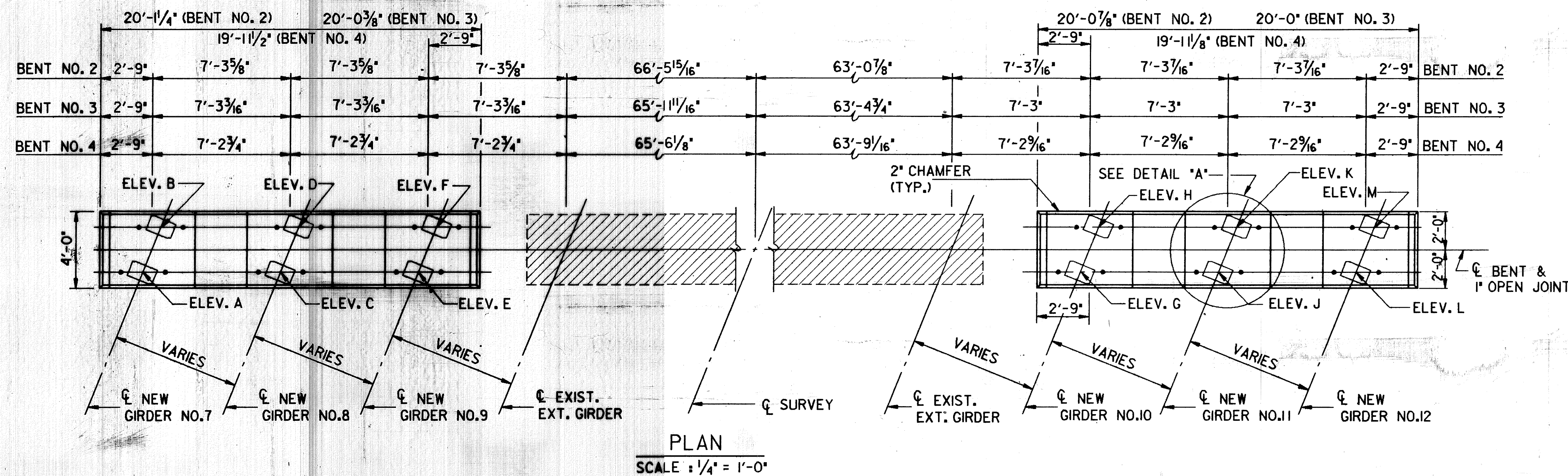
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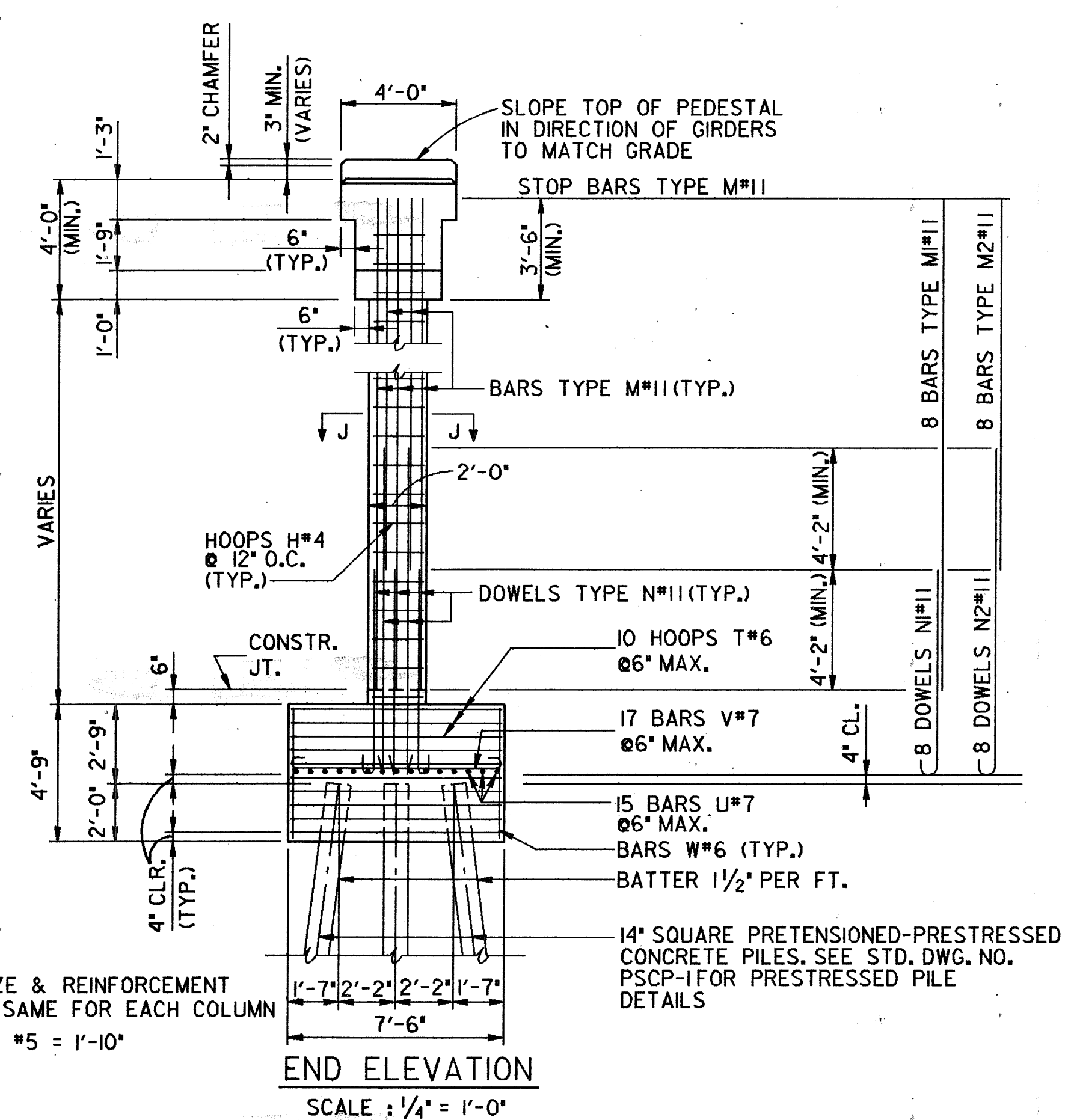
NO SCALE



BARGE, WAGGONER, SUMNER, & CANNON	BRIDGE SHEET NO. 14 OF 26		STATE OF ALABAMA HIGHWAY DEPARTMENT		
	REVISIONS		PROJECT NO. IR-10-1(84) OUTSIDE WIDENING OF I-10 BRIDGES OVER TEXAS STREET AT STATION 621+66.47 MOBILE COUNTY, ALABAMA		
	APPROVED:		GENERAL ELEVATION		
	SECTION SUPERVISOR  CHIEF BRIDGE DESIGN ENGINEER  BRIDGE ENGINEER		SCALE:	DESIGNED: WAP DRAWN: BWSC CAD/D REIN CHKD: CHECKED: TWJW	QUANTITIES COMP: TWJW CHKD: WAP



NOTE: FOOTING SIZE & REINFORCEMENT TO BE THE SAME FOR EACH COLUMN
NOTE: BAR SPLICE #5 = 1'-10"



ELEVATION
(LOOKING UPSTATION)
SCALE: 1/4" = 1'-0"

NOTE: QUANTITIES INDICATE ARE THE COMBINED TOTALS FOR E.B.L. AND W.B.L. OUTSIDE WIDENING.

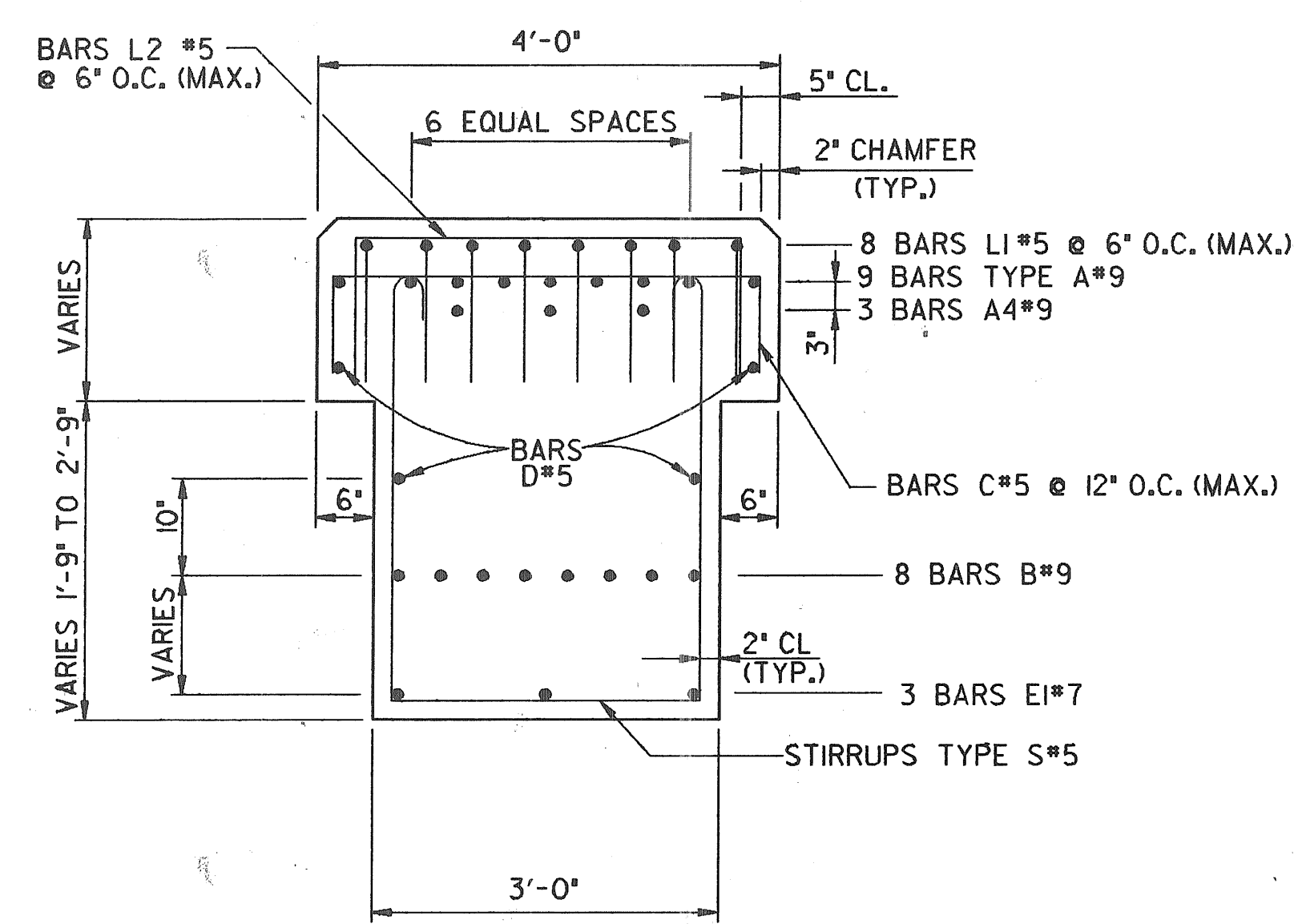
TABLE OF ESTIMATED QUANTITIES

ITEM	UNITS	BENT NO. 2	BENT NO. 3	BENT NO. 4
SUBSTRUCTURE CONCRETE	CU. YD.	75.2	75.2	75.2
STEEL REINFORCEMENT	LBS.	18,608	18,623	18,647

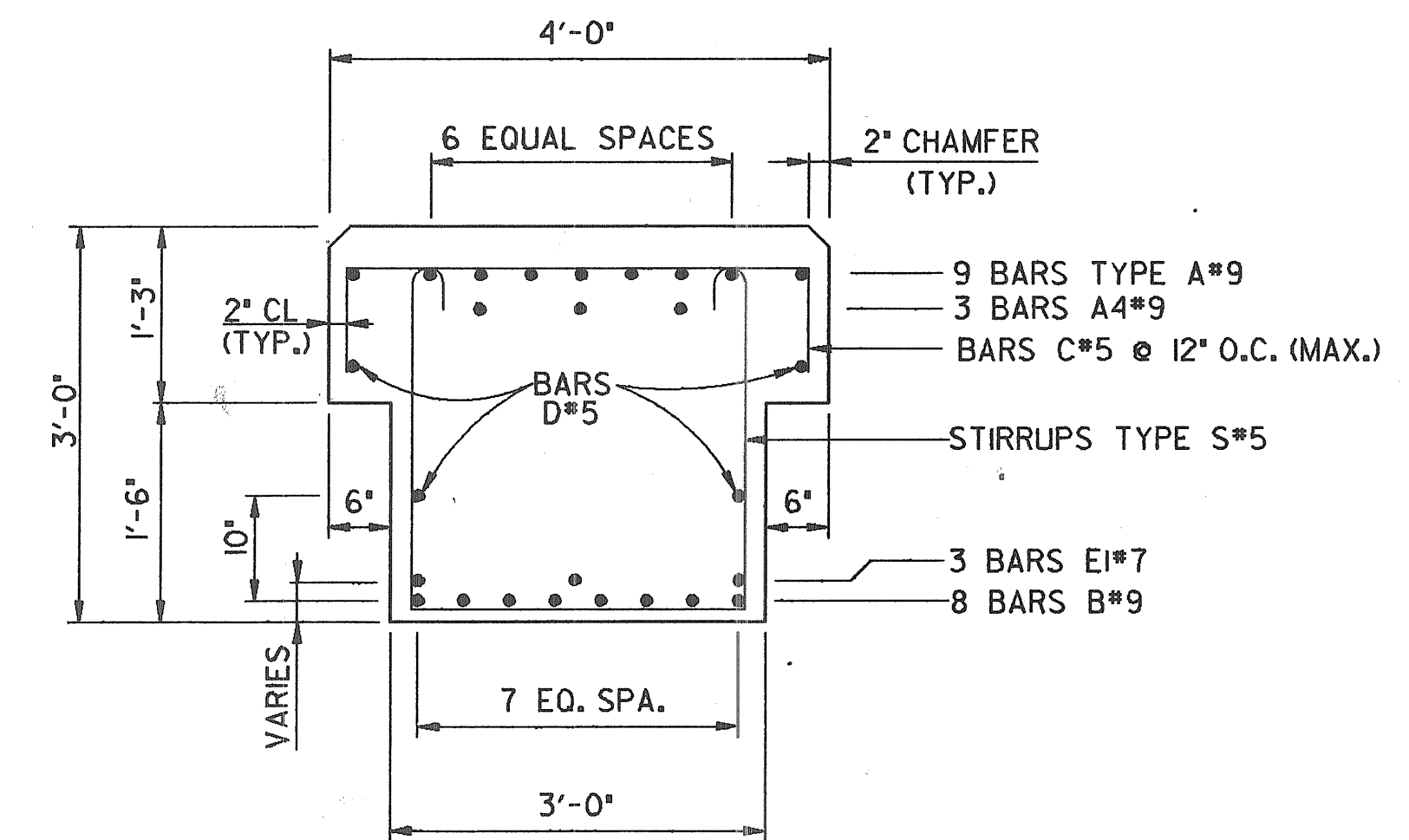
TABLE OF ELEVATIONS

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q
BENT NO. 2	28.6963	28.7027	28.8857	28.8920	29.0750	29.0813	31.9946	32.0008	32.1837	32.1898	32.3727	32.3788	28.4463	31.7446	6.00
BENT NO. 3	28.8207	28.8270	29.0098	29.0161	29.1988	29.2051	32.1155	32.1217	32.3043	32.3105	32.4930	32.4992	28.5707	31.8655	6.00
BENT NO. 4	28.9451	29.9515	29.1339	29.1403	29.3227	29.3291	32.2364	32.2426	32.4250	32.4312	32.6135	32.6197	28.6951	31.9864	6.00

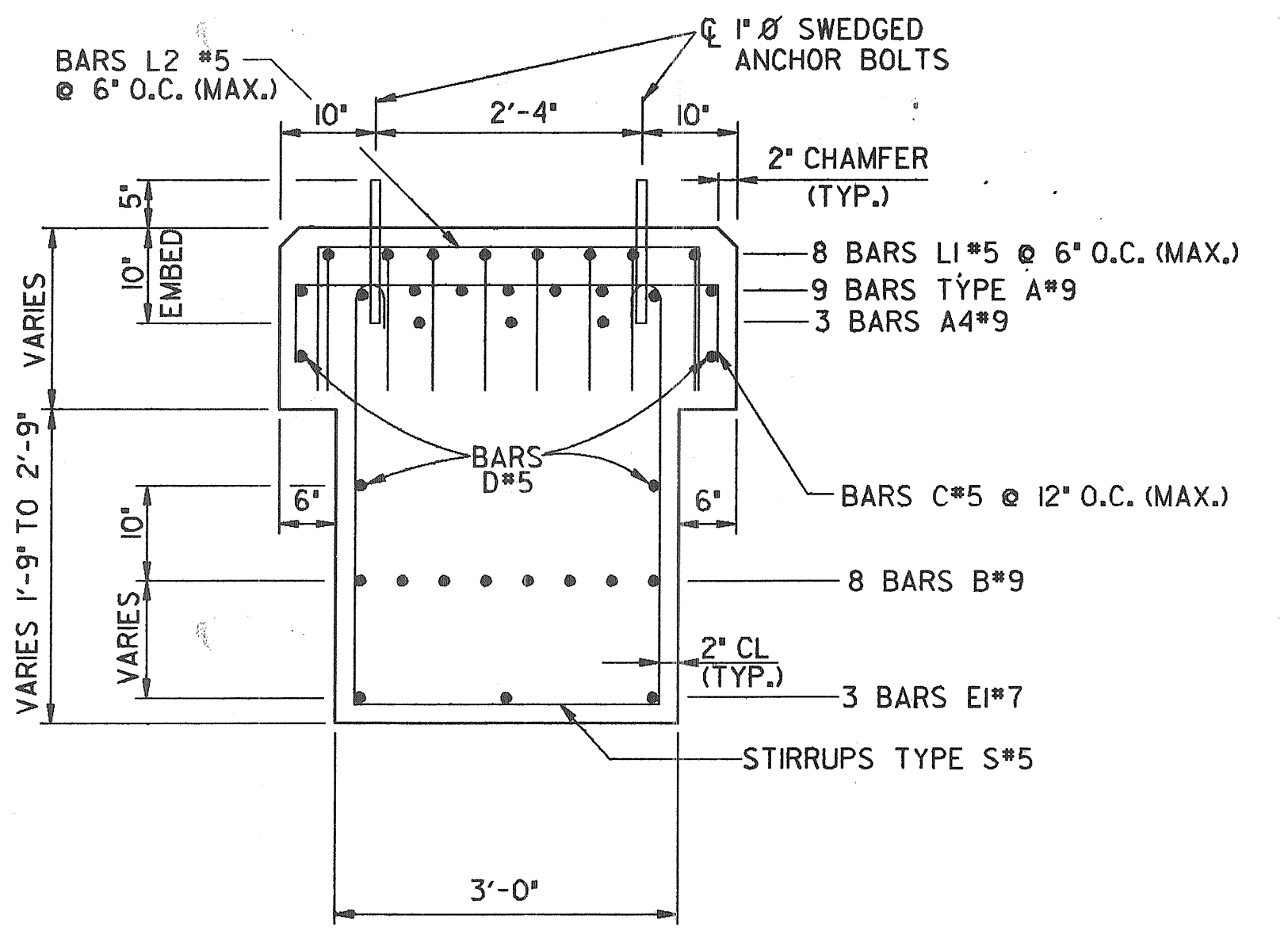
BRIDGE SHEET NO. 22 OF 26 REVISIONS	STATE OF ALABAMA HIGHWAY DEPARTMENT			
	PROJECT NO. IR-10-K(84) OUTSIDE WIDENING OF I-10 BRIDGES OVER TEXAS STREET AT STATION 621+66.47 MOBILE COUNTY, ALABAMA			
	BENTS NO. 2, NO. 3, & NO. 4			
	APPROVED:	DESIGNED: WWP	QUANTITIES	DATE
SECTION SUPERVISOR William J. Wooten CHIEF BRIDGE DESIGN ENGINEER	SCALE: AS SHOWN	DRAWN: BWSC CAD/D REINFC: TWW	CHKD: WWP	7/06/87
BRIDGE ENGINEER Charles H. Cook		CHECKED: TWW		



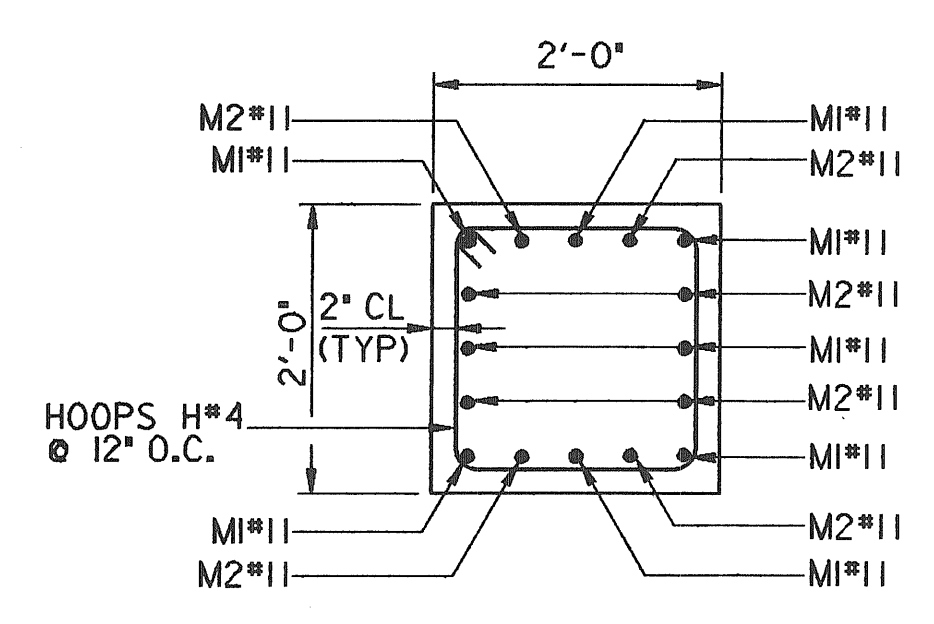
SECTION "F-F"
SCALE : 3/4" = 1'-0"



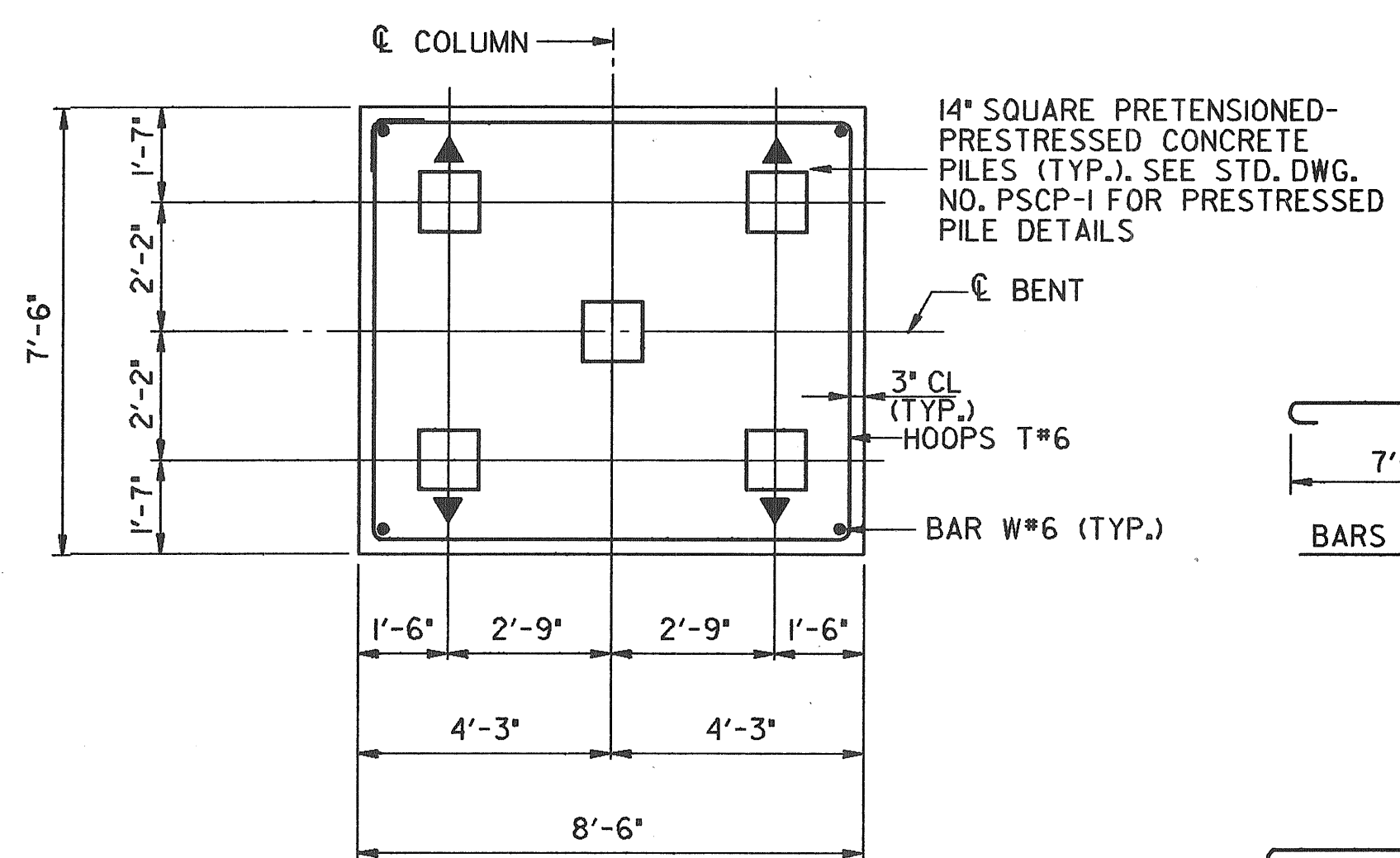
SECTION "G-G"
SCALE : 3/4" = 1'-0"



SECTION "H-H"
SCALE : 3/4" = 1'-0"

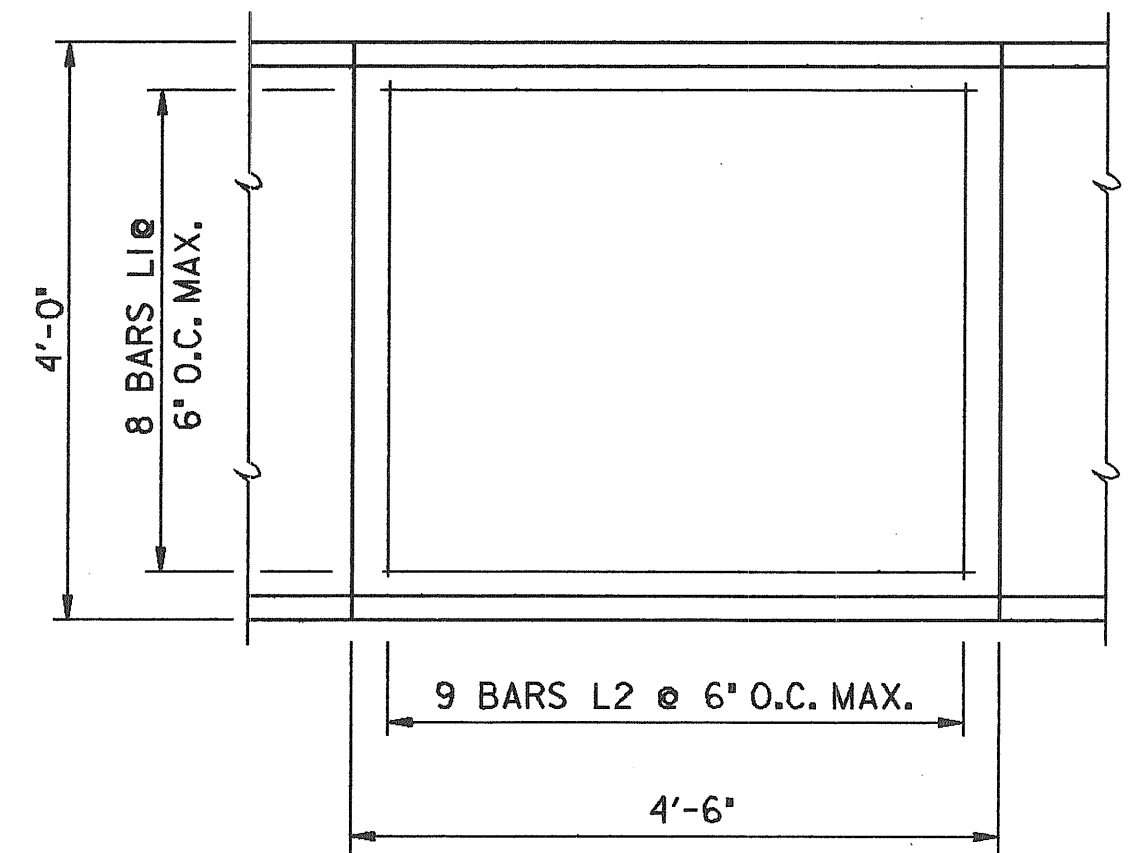


SECTION "J-J"
SCALE : 3/4" = 1'-0"

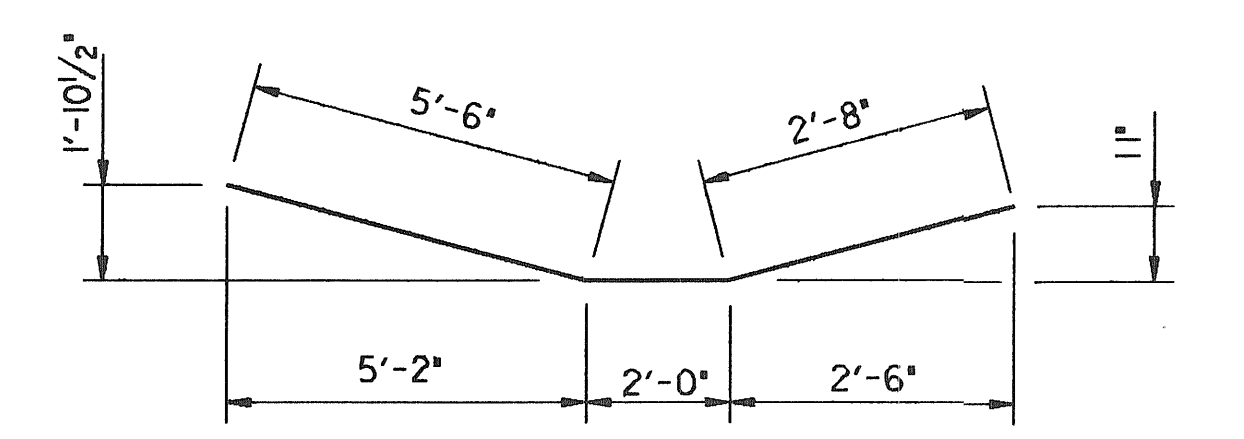


SECTION "K-K" @ TOP OF PILES
SCALE : 3/8" = 1'-0"

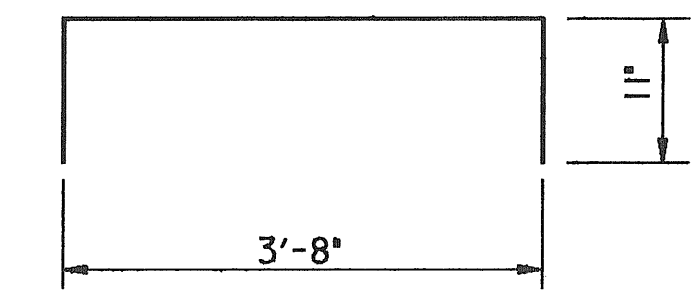
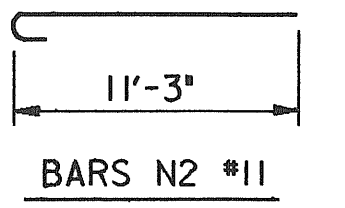
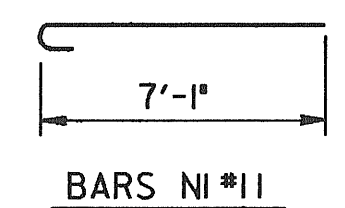
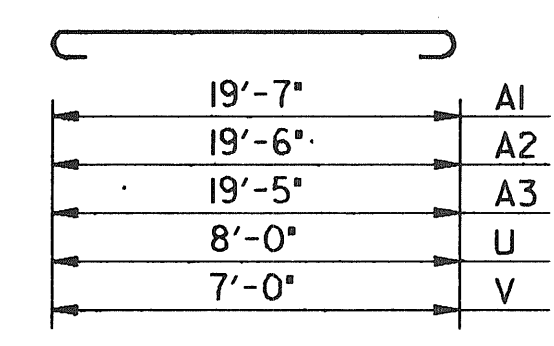
▲ DENOTES : PILES TO BE BATTERED & DIRECTION



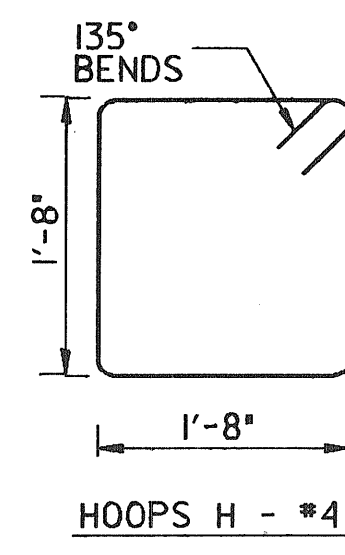
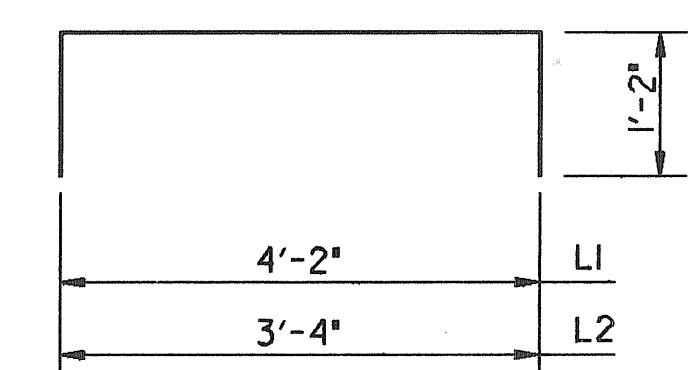
PEDESTAL REINFORCEMENT DETAIL
SCALE : 3/4" = 1'-0"



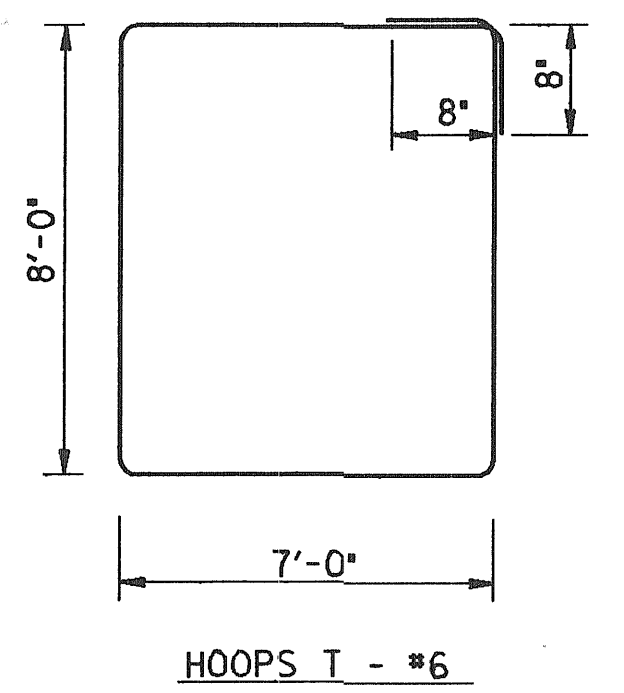
BARS EI #7



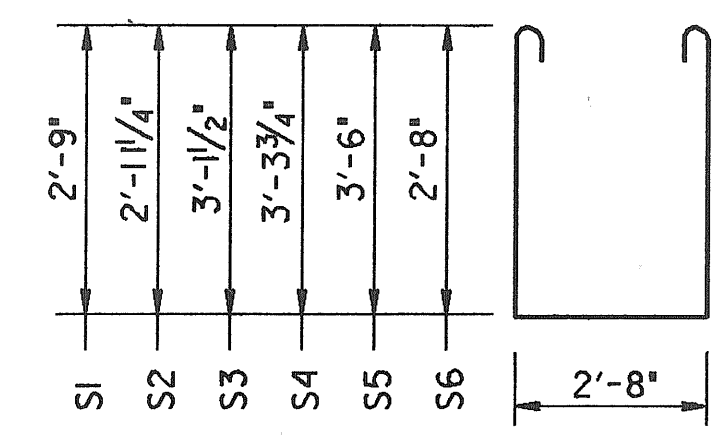
BARS C #5



HOOPS H - #4



HOOPS T - #6



STIRRUPS S #5

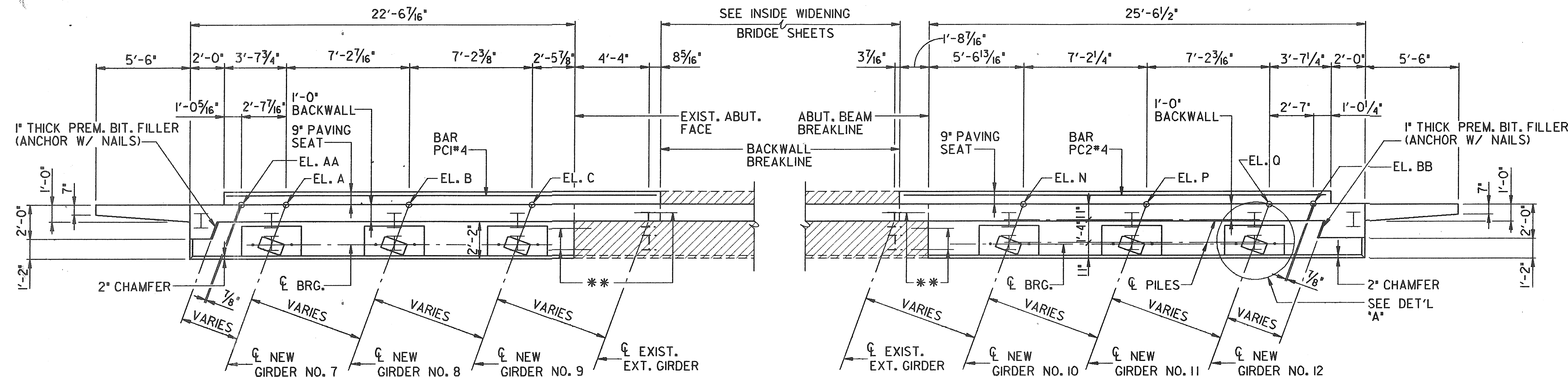
BILL OF STEEL REINFORCEMENT							
BAR	SIZE	BENT NO. 2		BENT NO. 3		BENT NO. 4	
		NO. REQ'D	LENGTH	NO. REQ'D	LENGTH	NO. REQ'D	LENGTH
A1	9	18	22'-1"	—	—	—	—
A2	9	—	—	18	22'-0"	—	—
A3	9	—	—	—	—	18	21'-11"
A4	9	6	19'-7"	6	19'-6"	6	19'-5"
B	9	16	19'-7"	16	19'-6"	16	19'-5"
C	5	42	5'-6"	42	5'-6"	42	5'-6"
D	5	8	19'-7"	8	19'-6"	8	19'-5"
E1	7	12	10'-2"	12	10'-2"	12	10'-2"
H	4	78	7'-8"	78	7'-8"	78	7'-8"
L1	5	48	6'-6"	48	6'-6"	48	6'-6"
L2	5	54	5'-8"	54	5'-8"	54	5'-8"
IM1	11	16	16'-10"	16	16'-10"	16	16'-11"
IM2	11	16	12'-8"	16	12'-8"	16	12'-9"
2M1	11	16	20'-0"	16	20'-1 1/2"	16	20'-3"
2M2	11	16	15'-10"	16	15'-11 1/2"	16	16'-1"
N1	11	32	8'-8"	32	8'-8"	32	8'-8"
N2	11	32	12'-10"	32	12'-10"	32	12'-10"
S1	5	8	9'-4"	8	9'-4"	8	9'-4"
S2	5	8	9'-8 1/2"	8	9'-8 1/2"	8	9'-8 1/2"
S3	5	8	10'-1"	8	10'-1"	8	10'-1"
S4	5	8	10'-5 1/2"	8	10'-5 1/2"	8	10'-5 1/2"
S5	5	8	10'-10"	8	10'-10"	8	10'-10"
S6	5	10	9'-2"	10	9'-2"	10	9'-2"
T	6	40	31'-4"	40	31'-4"	40	31'-4"
U	7	60	9'-8"	60	9'-8"	60	9'-8"
V	7	68	8'-8"	68	8'-8"	68	8'-8"
W	6	16	4'-3"	16	4'-3"	16	4'-3"

NOTE: ALL BAR BENDING DIMENSIONS ARE OUT TO OUT UNLESS OTHERWISE NOTED.

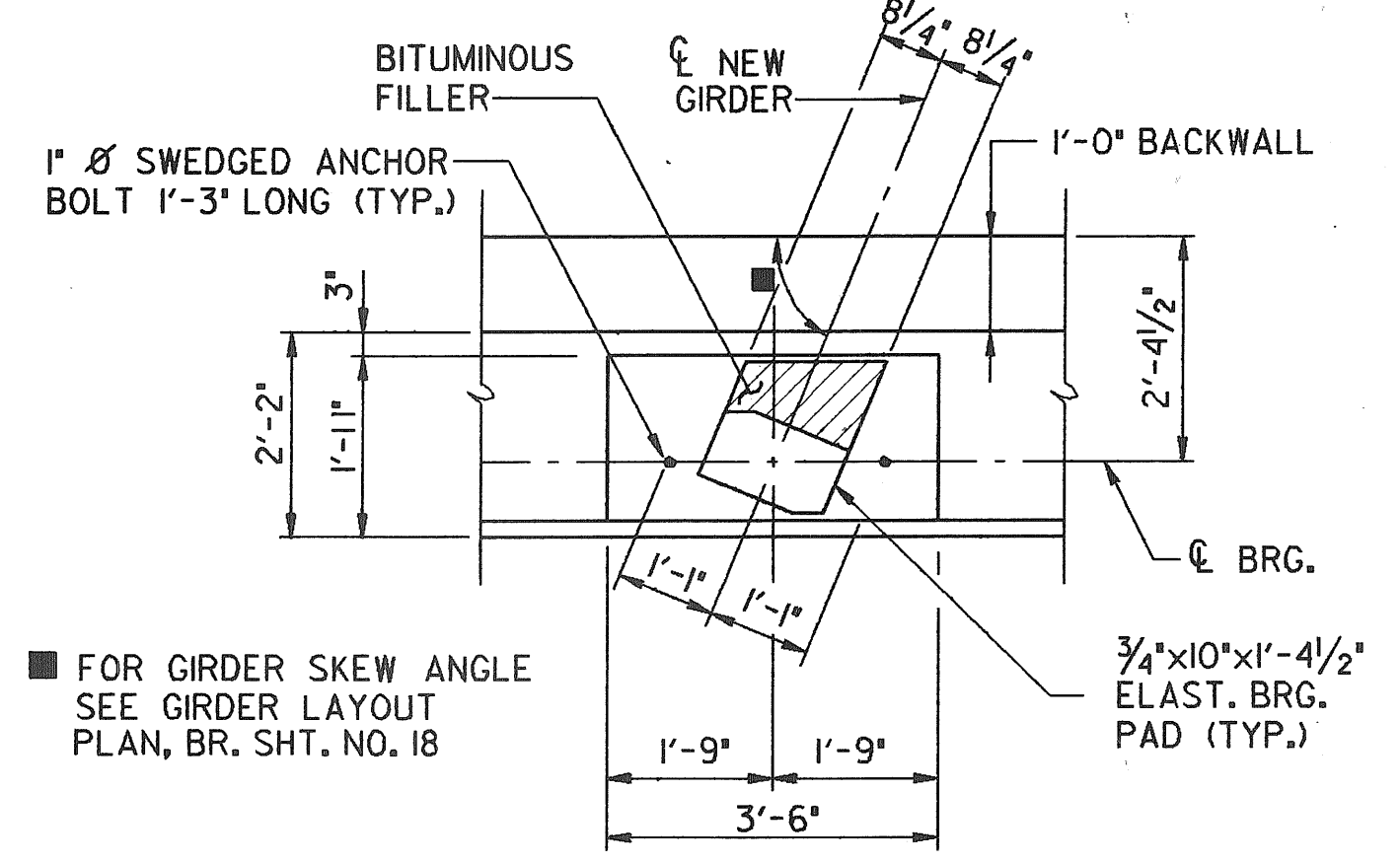
BARGE, WAGGONER, SUMNER, & CANNON	BRIDGE SHEET NO. 23 OF 26	STATE OF ALABAMA HIGHWAY DEPARTMENT		
	REVISIONS	PROJECT NO. IR-10-K(84) OUTSIDE WIDENING OF I-10 BRIDGES OVER TEXAS STREET AT STATION 621+66.47 MOBILE COUNTY, ALABAMA		
	APPROVED:	BENT DETAILS		
	SECTION SUPERVISOR <i>William D. McQueen</i> CHIEF BRIDGE DESIGN ENGINEER BRIDGE ENGINEER <i>Charlie H. Cook</i>	SCALE: AS SHOWN	DESIGNED: WAP DRAWN: BWS-CAD/D REINF CHKD: WAP CHECKED: TWW	QUANTITIES COMP: CHKD: DATE 7/06/87

BARGE, WAGGONER, SUMNER, & CANNON	BRIDGE SHEET NO. 24 OF 26	STATE OF ALABAMA HIGHWAY DEPARTMENT			
	REVISIONS	PROJECT NO. IR-10-I(84) OUTSIDE WIDENING OF I-10 BRIDGES OVER TEXAS STREET AT STATION 621+66.47 MOBILE COUNTY, ALABAMA			
	APPROVED:	ABUTMENT NO. 1			
	SECTION SUPERVISOR <i>William D. McAllen</i> CHIEF BRIDGE DESIGN ENGINEER	SCALE: AS SHOWN	DESIGNED: <i>TWW</i> DRAWN: BWSC CAD/D REINF CHKD: CHECKED: <i>WAP</i>	QUANTITIES COMP: CHKD:	DATE 7/06/87
	<i>Charles H. Cook</i> BRIDGE ENGINEER				

FHWA REG. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	ALA.	IR-10-1	1987	31X	159H



PLAN
SCALE: 1/4" = 1'-0"



DETAIL "A"
SCALE: 1/2" = 1'-0"

** INDICATES DOWEL BARS NO.6 X 2'-6" LONG EMBEDDED 1'-0" INTO EXIST. CONC. DOWEL HOLES (1" Ø MIN.) TO BE FILLED W/ APPROVED EPOXY ADHESIVE. SEE BR. SHT. NO. 14 AND SECTION 870 OF THE STD. SPECIFICATIONS.

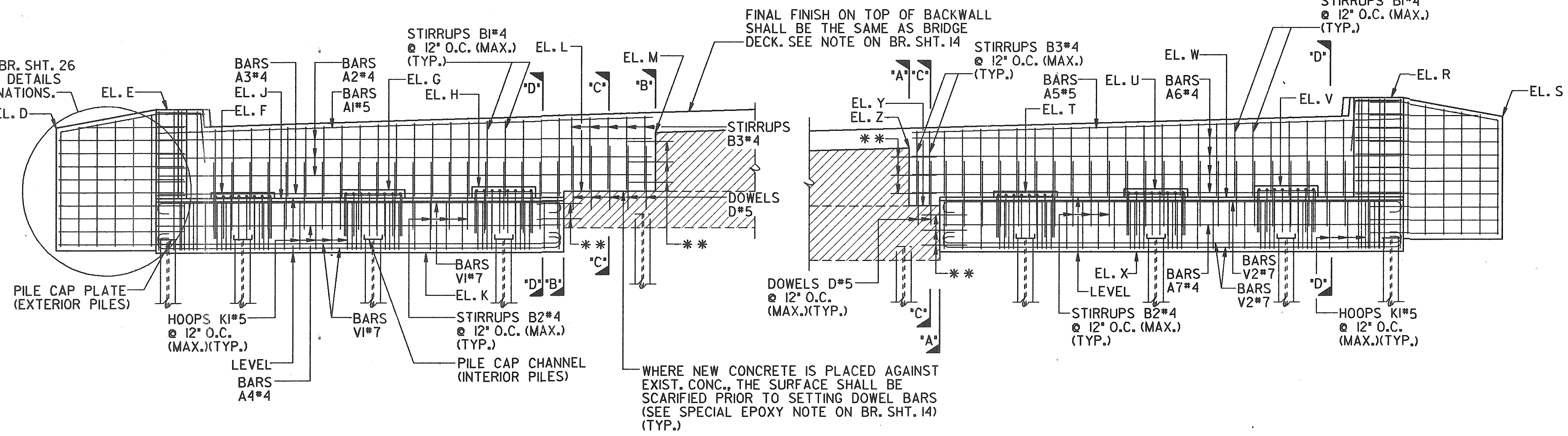
NOTE: EXIST. HORIZONTAL BACKWALL & ABUTMENT BEAM REINFORCEMENT TO EXTEND INTO NEW BACKWALLS & ABUTMENT BEAMS. MIN. EXTENSION INTO NEW CONC. = 1'-6". EXISTING REINFORCEMENT TO BE CLEANED AND STRAIGHTENED.

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

NOTE: SEE DETAIL "B" BRIDGE SHEET 26 FOR SPACING OF HOOPS KI#5

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

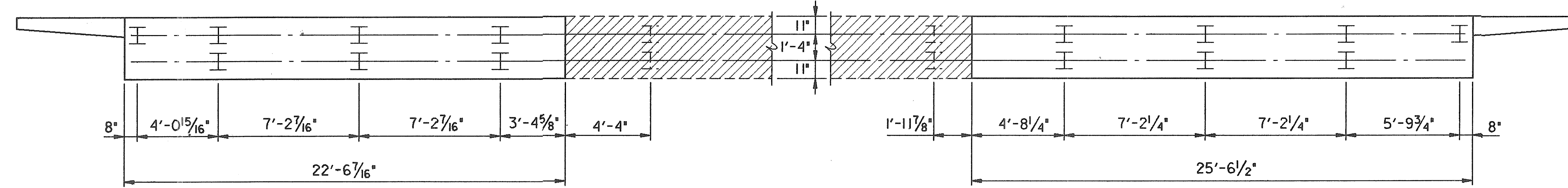
SEE DETAIL "A" BR. SHT. 26 FOR ADDITIONAL DETAILS AND BAR DESIGNATIONS.



ELEVATION
(LOOKING UPSTATION)
SCALE: 1/4" = 1'-0"

TABLE OF
ELEVATIONS

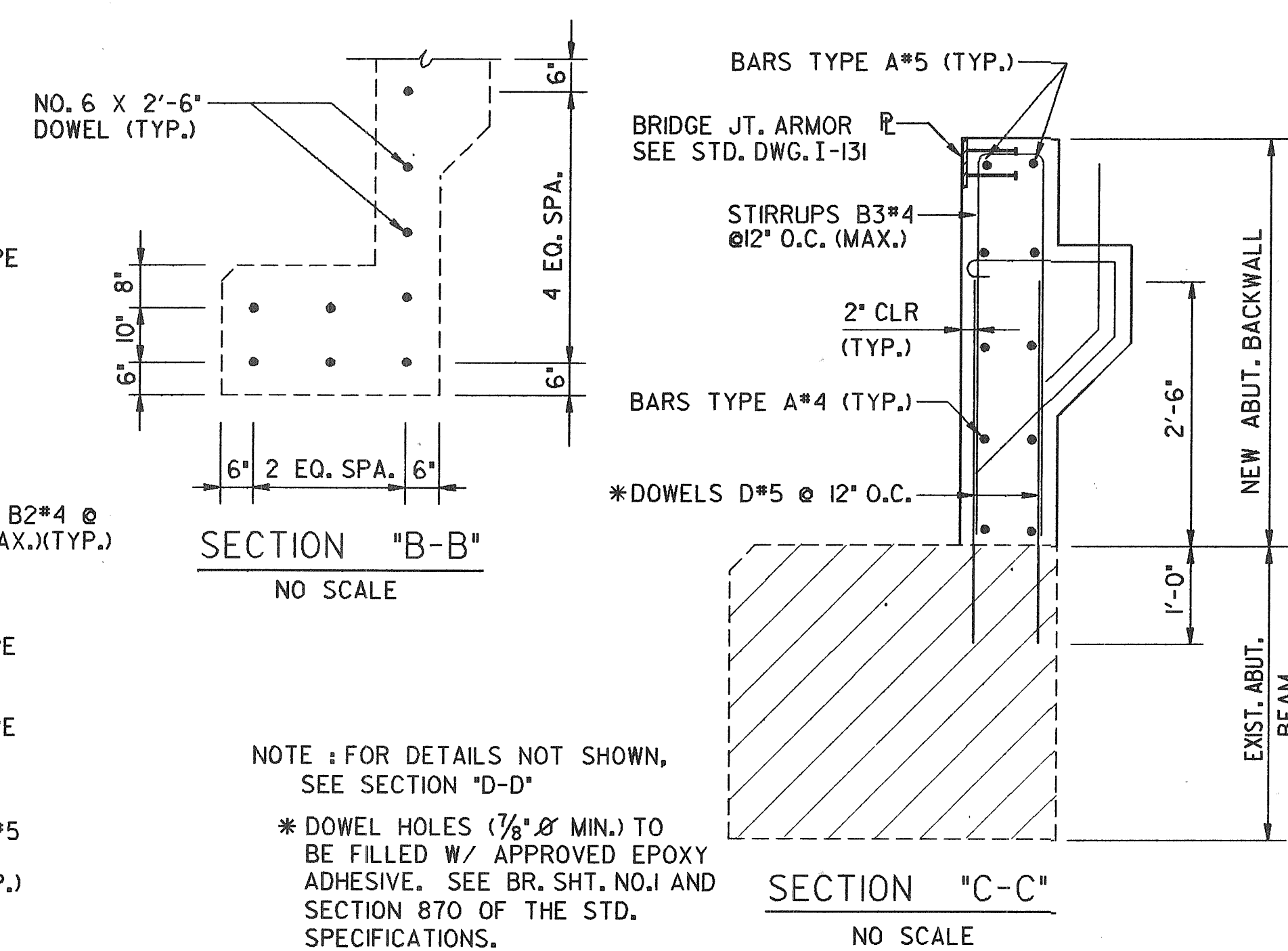
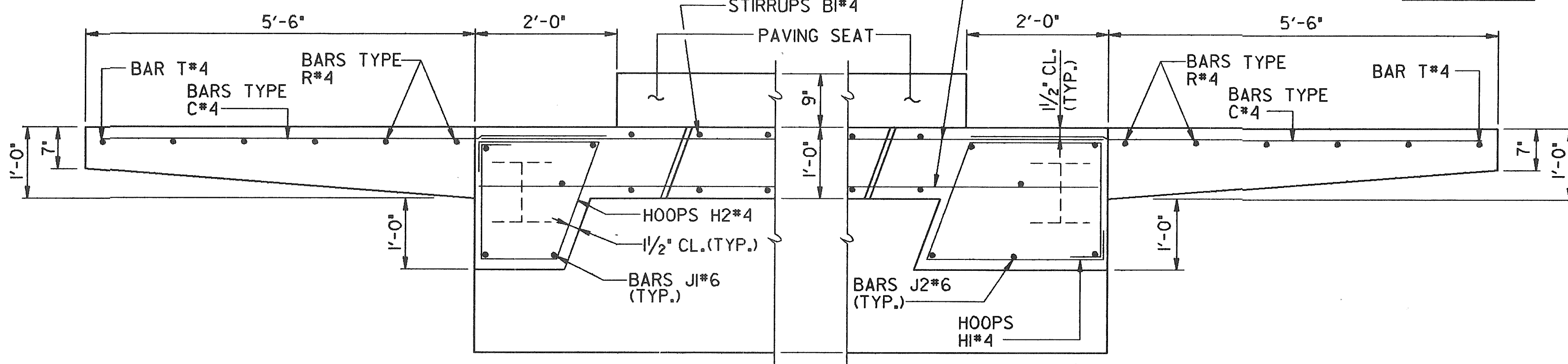
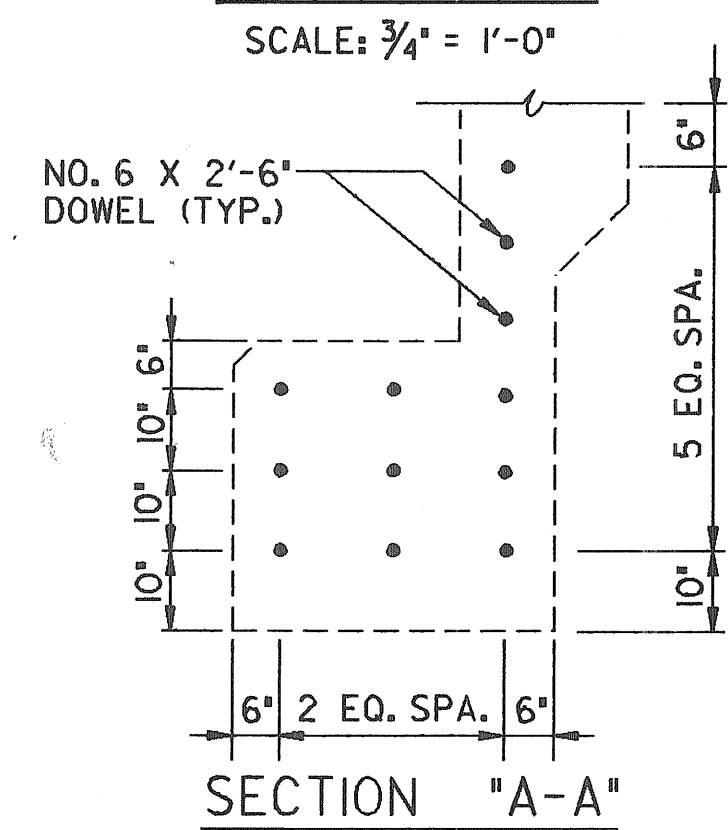
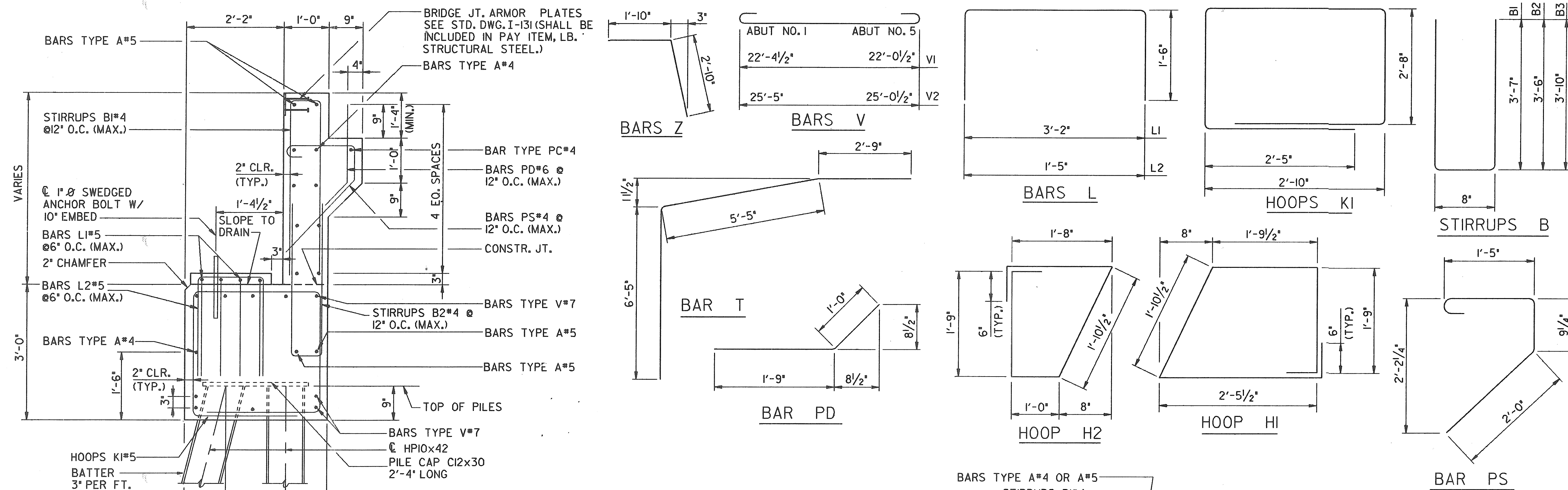
ABUT. NO. 5	
A	32.7791
B	32.9677
C	33.563
D	32.7129
E	33.7129
F	29.0431
G	29.2318
H	29.4204
J	28.7931
K	25.7931
L	29.13
M	32.37(+)
N	36.0676
P	36.2560
Q	36.4443
R	37.5117
S	36.5117
T	32.3318
U	32.5202
V	32.7085
W	32.0818
X	29.0818
Y	31.62
Z	34.80(+)
AA	32.7129
BB	36.5117



PILE LOCATION PLAN
SCALE: 1/4" = 1'-0"

BRIDGE SHEET NO. 25 OF 26 REVISIONS APPROVED: SECTION SUPERVISOR <i>William J. McArthur</i> CHIEF BRIDGE DESIGN ENGINEER <i>Charles H. Cook</i> BRIDGE ENGINEER	STATE OF ALABAMA HIGHWAY DEPARTMENT PROJECT NO. IR-10-K(84) OUTSIDE WIDENING OF I-10 BRIDGES OVER TEXAS STREET AT STATION 621+66.47 MOBILE COUNTY, ALABAMA		
	ABUTMENT NO. 5		
	SCALE: AS SHOWN	DESIGNED: T.W.J. DRAWN: B.W.C. CAD/D REINF. CHKD: CHECKED: W.A.P.	QUANTITIES COMP: CHKD: DATE 7/06/87

BARGE, WAGGONER, SUMNER, & CANNON



BAR	SIZE	ABUT. NO. 1		ABUT. NO. 5	
		NO. REQ'D	LENGTH	NO. REQ'D	LENGTH
A1	5	2	27'-9"	2	27'-3 1/2"
A2	4	8	27'-9"	6	27'-3 1/2"
A3	4	3	22'-4 1/2"	2	22'-3 1/2"
A4	4	6	27'-10"	3	22'-4 1/2"
A5	5	2	27'-10"	2	27'-3"
A6	4	2	25'-8"	8	27'-3"
A7	4	3	25'-7"	3	25'-4 1/2"
B1	4	43	7'-10"	43	7'-10"
B2	4	43	7'-8"	43	7'-8"
B3	4	7	8'-4"	7	8'-4"
C1	4	18	7'-2"	18	7'-2"
C2	4	2	6'-2"	2	6'-2"
DOWEL D	5	14	3'-6"	14	3'-6"
DOWEL E	6	21	2'-6"	21	2'-6"
H1	4	7	8'-10 1/2"	8	8'-10 1/2"
H2	4	8	7'-3 1/2"	7	7'-3 1/2"
J1	6	7	8'-1"	7	7'-7"
J2	6	8	7'-7"	8	8'-1"
K1	5	82	13'-0"	81	13'-0"
L1	5	24	6'-2"	24	6'-2"
L2	5	48	4'-5"	48	4'-5"
PCI	4	1	25'-8"	1	25'-2 1/2"
PC2	4	1	25'-9 1/2"	1	25'-2"
PD	6	52	2'-9"	52	2'-9"
PS	4	52	4'-8 1/4"	52	4'-8 1/4"
R1	4	2	6'-8"	2	6'-8"
R2	4	2	6'-10"	2	6'-10"
R3	4	2	7'-0"	2	7'-0"
R4	4	2	7'-2"	2	7'-2"
R5	4	2	7'-4"	2	7'-4"
T	4	2	14'-7"	2	14'-7"
V1	7	10	24'-0 1/2"	10	23'-8 1/2"
V2	7	10	27'-1"	10	26'-8 1/2"
Z	5	4	4'-8"	4	4'-8"

NOTE: ALL BAR BENDING DIMENSIONS ARE OUT-TO-OUT UNLESS OTHERWISE NOTED.

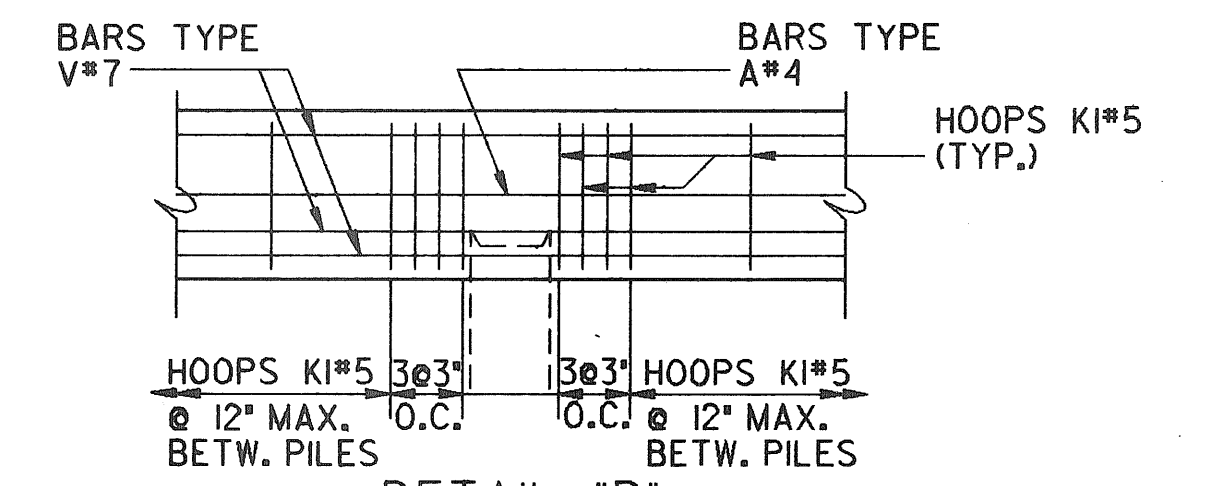


TABLE OF ESTIMATED QUANTITIES

ITEM	UNITS	ABUT. NO. 1	ABUT. NO. 5
SUBSTRUCTURE CONCRETE	CU.YD.	30.6	30.3
STEEL REINFORCEMENT	LBS.	4502	4462
STRUCTURAL STEEL	LBS.	1056	1044

BRIDGE SHEET NO. 26 OF 26 REVISIONS APPROVED: <i>William D. Smith</i> CHIEF BRIDGE DESIGN ENGINEER <i>Charlie H. Cook</i> BRIDGE ENGINEER	STATE OF ALABAMA HIGHWAY DEPARTMENT PROJECT NO. IR-10-1(84) OUTSIDE WIDENING OF I-10 BRIDGES OVER TEXAS STREET AT STATION 621+66.47 MOBILE COUNTY, ALABAMA		
	ABUTMENT DETAILS		
	SCALE: AS SHOWN DESIGNED: TWW DRAWN: BWS CAD/D REIN CHKD: WWP CHECKED: WWP	QUANTITIES COMP: TWW CHKD: WWP	DATE 7/06/87
	COMBINED TOTAL FOR E.B.L. & W.B.L. OUTSIDE WIDENING		

NOTE: FOR DETAILS NOT SHOWN, SEE SECTION "D-D"
 * DOWEL HOLES (7/8" Ø MIN.) TO BE FILLED W/ APPROVED EPOXY ADHESIVE. SEE BR. SHT. NO. 1 AND SECTION 870 OF THE STD. SPECIFICATIONS.

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

WARREN-LAWRENCE ST.

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

ELEV. DEPTH	DESCRIPTION	N	CR	S	REMARKS
14.0 0.0					
3.0 11.0	Medium moist brown very silty clay w/sand	5.5	8		I-10 over Warren-Lawrence St.
-3.5 17.5	Medium damp yellow & brown very silty clay w/a small amount of sand	10.5	7		
-9.0 23.0	Medium wet yellow, tan & gray very silty clay w/sand	15.5	5		
-15.5 29.5	Very stiff damp yellow, tan, & gray very sandy clay	20.5	4		
-18.0 32.0	Dense wet white coarse sand	25.5	16		
		30.5	36		
	Very dense wet yellow very stily sand w/occasional small amounts of organic material	35.5	55		
		40.4	50		
		45.5	50		
		50.5	50		
		55.5	53		
-46.5 60.5		60.5	55		

VIRGINIA ST.

LOCATION: Sta. 608+60.70; C/L of I-10

ELEV. DEPTH	DESCRIPTION	N	CR	S	REMARKS
10.0 0.0					
6.0 4.0	Loose moist red sand w/clay				I-10 over Virginia St.
2.2 7.8	Loose damp red sand w/clay	5.5	6		
1.2 8.8	Medium wet red & gray sand	10.5	2		
	Soft wet gray, brown, & tan clay	15.5	2		
-8.0 18.0	Medium damp gray clay w/organic material	20.5	4		
-17.4 27.4	Medium damp brown & tan clay w/silt	25.5	4		
-22.0 32.0	Medium wet tan & gray sand	30.5	6		
-25.0 35.0	Dense wet tan coarse sand	35.5	26		
-26.0 36.0					
	Very dense wet gray slightly coarse sand	40.3	50		
		45.5	57		
	Very dense wet yellow & tan slightly coarse sand	50.3	50		
		55.5	53		
-50.5 60.5		60.5	52		

TEXAS ST.

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

ELEV. DEPTH	DESCRIPTION	N	CR	S	REMARKS
12.0 0.0					
9.0 3.0	Loose moist tan, brown, & gray sand w/clay & silt	5.3	6		I-10 over Texas St.
2.0 10.0	Medium damp brown & tan clay w/sand	10.3	11		
-4.0 16.0	Stiff wet gray & brown silty clay w/a small amount of sand	15.3	10		
	Medium wet tan & gray sand w/clay	20.3	12		
-14.0 26.0		25.3	15		
	Dense wet tan coarse sand	30.3	37		
		35.3	41		
-26.0 38.0					
	Very dense wet yellow & tan sand	40.1	50		
		45.3	54		
-36.8 48.8					
-38.2 50.2	Very dense wet gray sand	50.2	50		

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)
- SYMBOLS DESCRIBED BELOW:
- UNDISTURBED SAMPLE (ASTM D-1587)
- WATER TABLE, TIME OF BORING
- WATER TABLE, 24 HOUR READING
- LOSS OF DRILLING FLUID

BRIDGE SHEET NO. 2 A OF 3 A		STATE OF ALABAMA HIGHWAY DEPARTMENT	
REVISIONS		PROJECT NO. I-IR-10-1C(84) WIDENING OF I-10 BRIDGES OVER BROAD ST., TENN. ST., WAR.-LAW. ST., VIRGINIA ST., AND TEXAS ST. MOBILE COUNTY, ALABAMA	
APPROVED:		TEST BORING RECORD	
SECTION SUPERVISOR <i>William D. Mott</i> CHIEF BRIDGE DESIGN ENGINEER		SCALE:	DESIGNED: G.W. TRACED: F.B. CHECKED: F.B.
BRIDGE ENGINEER <i>Charlie H. Cook</i>		QUANTITIES COMP: CHKD:	DATE MARCH 1986