

"A FULLY CONTROLLED ACCESS FACILITY"

WEST MEMPHIS INTERCHANGE - I-55

ROUTE 40 SECTION 52

FED. AID PROJECT IR-40-5(90)278

JOB R10003

LAYOUT SCALE: 1" = 1000'

ARK. HWY. DIST. NO. 1

① STA. 175+63.21 BR. END
382'-7 3/8" COMPOSITE
W-BEAM SPANS
BRIDGE NO. 330R
CLEAR RD'Y. 64'-0"
STA. 179+45.83 BR. END

② STA. 60+76.59 BR. END
120'-6" R.C. DECK
GIRDER SPANS
BRIDGE NO. 2673 R.
CLEAR RDWY 59'-9"
STA. 61+97.09 BR. END

③ STA. 60+43.11 BR. END
120'-0" R.C. DECK
GIRDER SPANS
BRIDGE NO. 2873 AR
CLEAR RDWY VARIES
STA 61+63.11 BR. END

④ STA. 60+01.54 BR. END
120'-0" R.C. SLAB SPANS
BRIDGE NO. 2673 BR
32'-0" CLEAR RDWY.
STA 61+21.54

⑤ STA. 61+19.32 BR. END
120'-0" R.C. SLAB SPANS
BRIDGE NO. 2673 CR
32'-0" CLEAR RDWY.
STA. 62+39.32

DESIGN DATA

DESIGN YEAR	2008
1988 ADT	= 55,130
2008 ADT	= 88,590
DHV	= 9,745
D	= 0.60
T	= 25%
V	= 70 MPH

SECTION 404 PERMIT NOT REQUIRED

RECOMMENDED FOR APPROVAL

BRIDGE DESIGN ENGINEER

ROADWAY DESIGN ENGINEER

DISTRICT ENGINEER

APPROVED

CHIEF ENGINEER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
RECOMMENDED FOR APPROVAL

DATE _____

APPROVED

DIVISION ENGINEER

DATE _____

LENGTH COMPUTED ALONG CENTER LINES IS SHOWN FOR INFORMATION ONLY					
GROSS LENGTH OF	PROJECT	10184.00	FEET OR	1.929	MILES
NET	" " ROADWAY	10064.00	" "	1.906	"
NET	" " BRIDGES	120.00	" "	.023	"
NET	" " PROJECTS	10184.00	" "	1.929	"

P.E. JOB 1620
C44-0400-303

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
7-12-89	9-17-89			6	ARK.			
				JOB NO.		R10008	48	235
				① 3130R,2673R,AR,BR,CR-QTY.-29942				

SCHEDULE OF BRIDGE QUANTITIES-JOB R10008

BRIDGE NO.	CODE NO.	NAME PLATE TITLE	UNIT OF STRUCTURE	ITEM NO.	801	SS & 802	*SS & 802	803	804	804	SS & 805	SS & 805	SS & 807	807	809	812	816	820	821	SS & 822	SP JOB R10008		
				ITEM	UNCLASSIFIED EXCAVATION FOR STRUCTURES-BRIDGE	CLASS S CONCRETE	CLASS S(AE) CONCRETE	BOILED LINSEED OIL	REINFORCING STEEL (GRADE 60)	EPOXY COATED REINFORCING STEEL (GRADE 60)	CONCRETE PILING (16" OCT.) OR 16" SQ.)	CONCRETE PILING (16" OCT.) OR 14" SQ.)	STRUCTURAL STEEL IN BEAM SPANS (A36)	PAINTING STRUCTURAL STEEL	PREFORMED JOINT SEAL	BRIDGE NAME PLATE (TYPE C)	CONCRETE RIPRAP	CLEANING AND PAINTING EXISTING STRUCTURAL STEEL (TYPE 11)	MODIFICATION OF EXISTING BRIDGE STRUCTURE (BRIDGE NO.)	BRIDGE DECK OVERLAY	REPLACING EXISTING EXPANSION SHOES		
					UNIT	CU. YD.	CU. YD.	CU. YD.	GAL.	LB.	LB.	LIN. FT.	LIN. FT.	LB.	TON	LIN. FT.	EACH	CUBIC YARD	TON	LUMP SUM	SQUARE YARD	EACH	
3130R	X271	7TH STREET	BENT 1	21	35.36			0.3	4,897			385	1,111	0.6		1	109						
			BENT 2	41	34.74				4,722			540										1	
			BENT 3	43	34.24				4,656			540											
			BENT 4	41	34.25				4,655			540											
			BENT 5	43	34.18				4,575			540											
			BENT 6	43	35.33				4,731			540											
			BENT 7	21	36.20			0.3	4,886			385	1,111	0.6			133						
			SPAN 1-55'-0 9/16" COMP. W-BM.				102.39	8.7	11,451	10,750			49,328	24.7	109			22.6					
			SPAN 2-65'-0" COMP. W-BM.				120.26	10.3	13,069	12,723			63,196	31.6	73			29.7					
			SPAN 3-70'-0" COMP. W-BM.				123.85	11.0	13,934	13,667			134,558	67.3	73								
			SPAN 4-70'-0" COMP. W-BM.				123.85	11.0	13,934	13,667			134,560	67.3	73								
			SPAN 5-65'-0" COMP. W-BM.				120.26	10.3	13,069	12,723			63,198	31.6	73			29.7					
			SPAN 6-55'-0 9/16" COMP. W-BM.				102.39	8.7	11,451	10,750			49,328	24.7	109			22.6					
			BRIDGE NO. 3130																		1		
			TOTALS FOR BR. NO. 3130R	253	244.30	693.00	60.6		110,030	74,280		3,470	496,390	248.4	510	1	242	104.6	1		1		1
2673R	X020	TEN MILE BAYOU	BENT 1	4	2.99				376		90												
			BENTS 2, 3 & 4		5.70				921		270												
			BENT 5	2	2.71				357		90												
			SPAN 1 - 30'-6" R.C. SLAB			21.26	0.9		3,575														
			SPAN 2 - 29'-9" R.C. SLAB			21.61	0.9		3,525														
			SPAN 3 - 29'-9" R.C. SLAB			21.61	0.9		3,525														
			SPAN 4 - 30'-6" R.C. SLAB			22.42	1.0		3,621							1							
			BRIDGE NO. 2673W																	1			
			TOTALS FOR BR. NO. 2673R	6	11.40	86.90	3.7		15,900		450					1				1			
			2673AR	X020	TEN MILE BAYOU	BENT 1	3	2.23				290		45									
BENT 2		2.05							355		90												
BENT 3		2.75							464		90												
BENT 4		3.45							597		135												
BENT 5	5	5.22							731		135												
SPAN 1 - 30'-0" R.C. SLAB						112.24	4.4	0.8	16,784	16,378						1							
SPAN 2 - 30'-0" R.C. SLAB						116.59	4.5	1.1	17,451	17,023													
SPAN 3 - 30'-0" R.C. SLAB						121.48	4.7	1.3	18,165	17,756													
SPAN 4 - 30'-0" R.C. SLAB						127.09	4.9	1.3	18,790	18,346													
BRIDGE NO. 2673AW																					1		
TOTALS FOR BR. NO. 2673AR	8	15.70	177.40	16.6	1.5	21,170	20,940	495					1				1						
2673BR	X020	TEN MILE BAYOU	BENTS 1 & 5	28	7.64				882		180												
			BENTS 2, 3 & 4		5.16				834		270												
			SPANS 1 & 4 - 30'-0" R.C. SLAB			51.54	5.2		9,766							1				213.33			
			SPANS 2 & 3 - 30'-0" R.C. SLAB			50.26	5.2		9,588											213.33			
			BRIDGE NO. 2673B																	1			
			TOTALS FOR BR. NO. 2673BR	28	12.80	101.80	10.4		21,070		450					1				1	426.66		
2673CR	X020	TEN MILE BAYOU	BENTS 1 & 5	28	7.64				882		180												
			BENTS 2, 3 & 4		5.16				834		270												
			SPANS 1 & 4 - 30'-0" R.C. SLAB			51.54	5.2		9,766							1				213.33			
			SPANS 2 & 3 - 30'-0" R.C. SLAB			50.26	5.2		9,588											213.33			
			BRIDGE NO. 2673C																	1			
			TOTALS FOR BR. NO. 2673CR	28	12.80	101.80	10.4		21,070		450					1				1	426.66		
TOTALS FOR JOB R10008					323	297.00	1,089.60	103.6	103,600	74,280	1,845	3,470	496,390	243.4	510	5	242	104.6	—	853.32	!		

*Includes SS 501-3

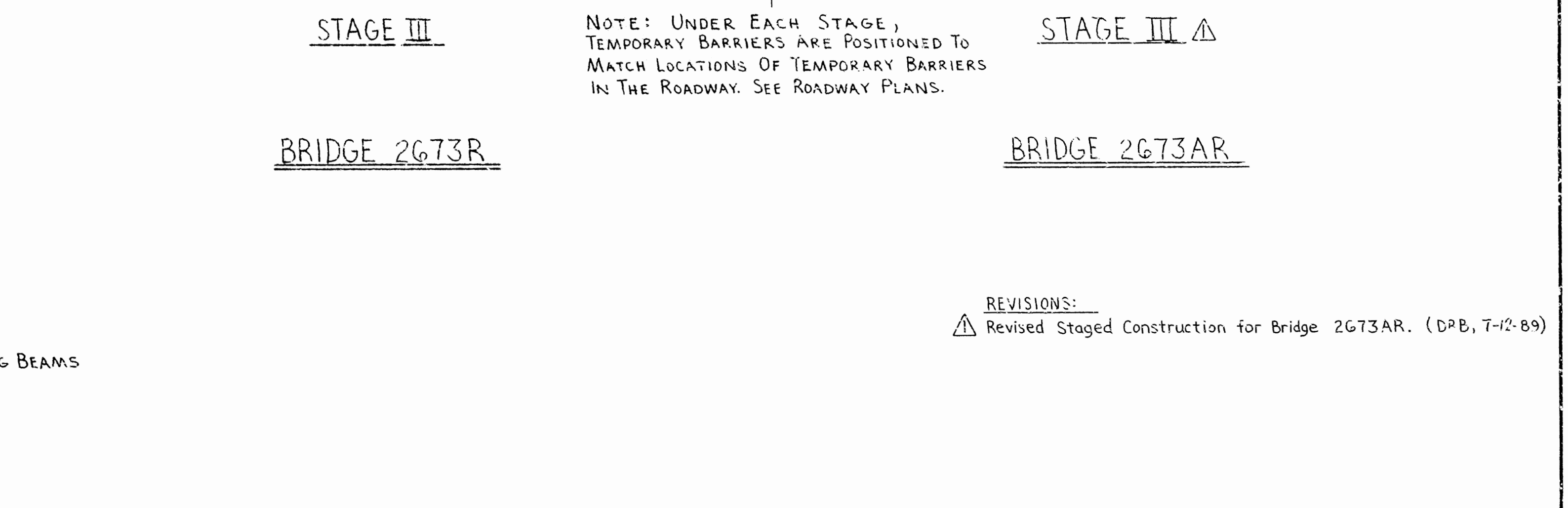
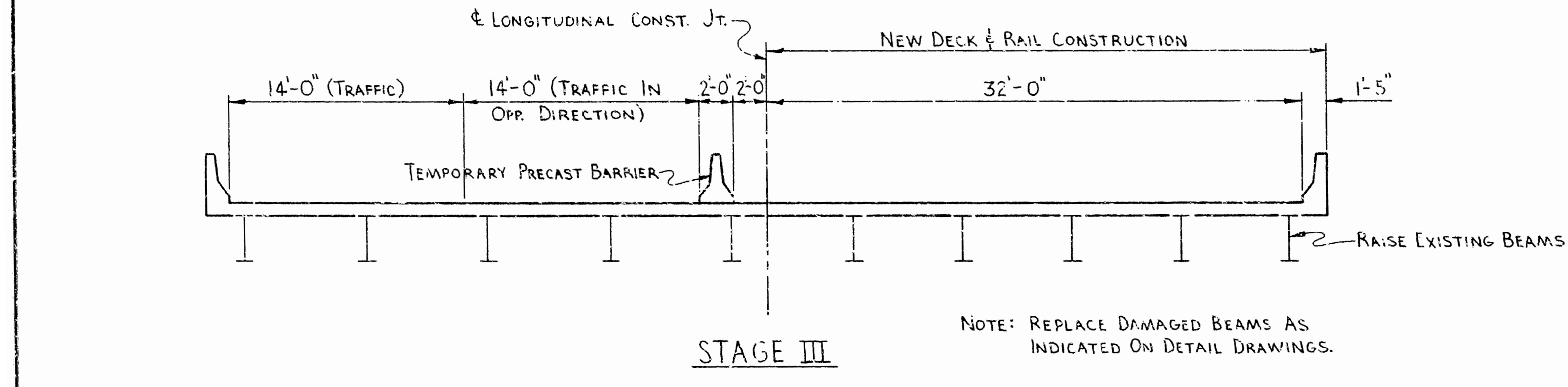
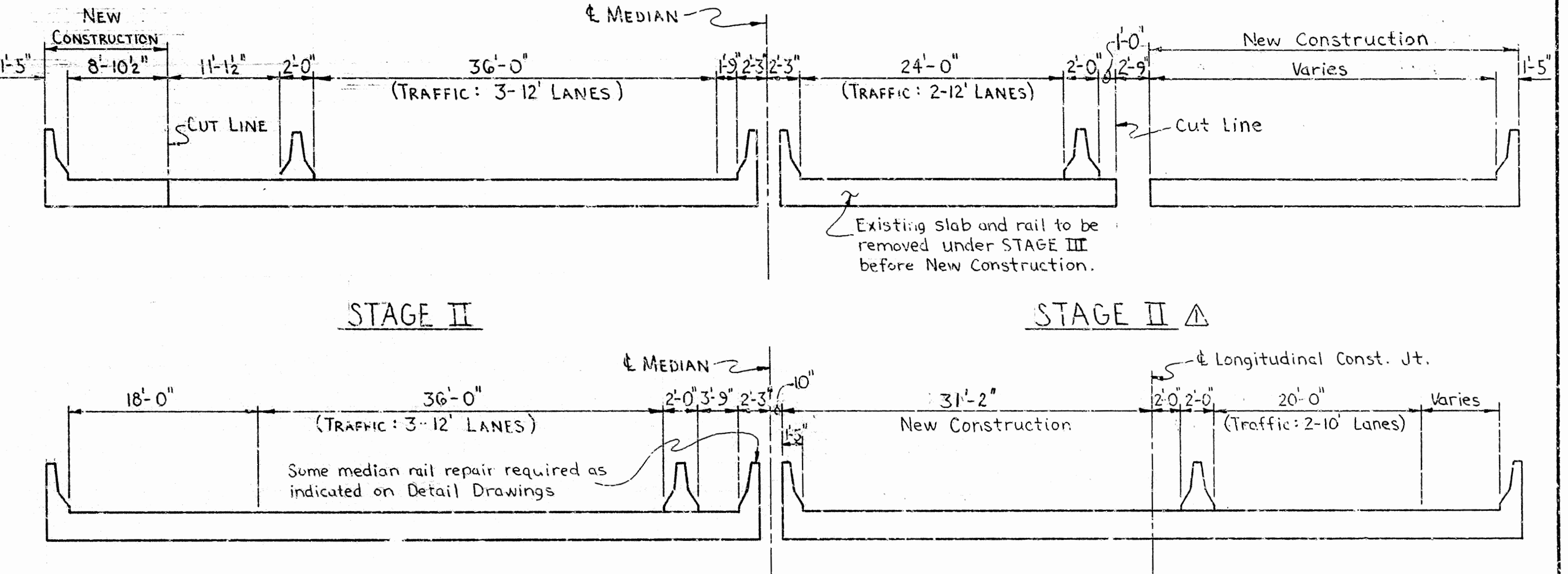
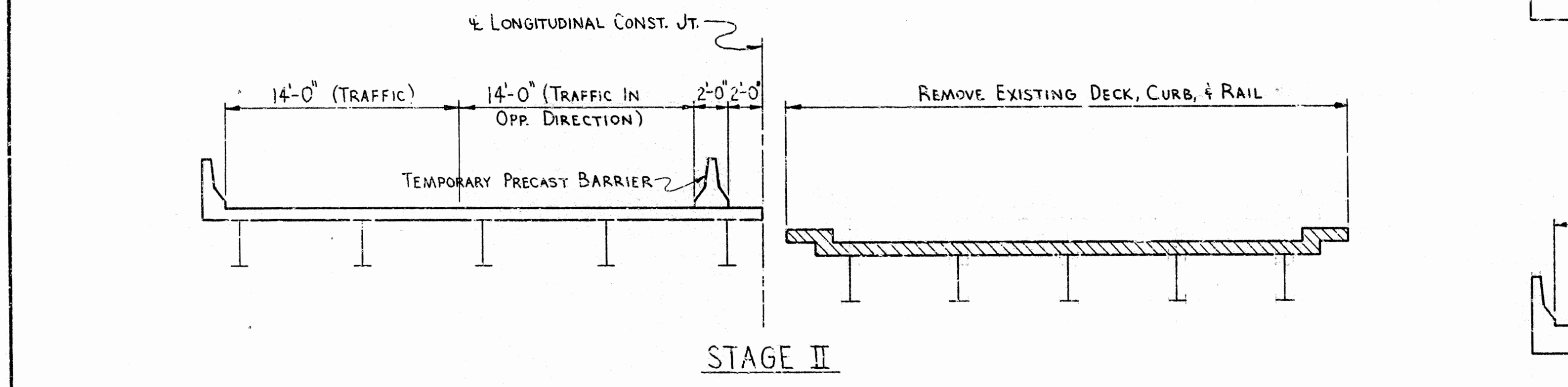
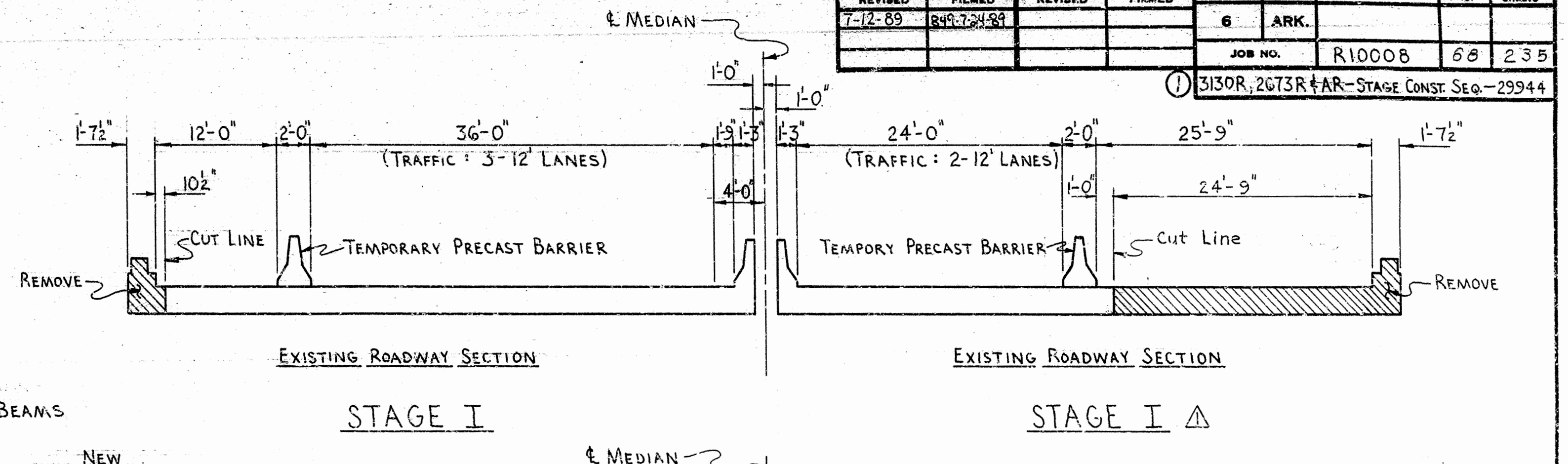
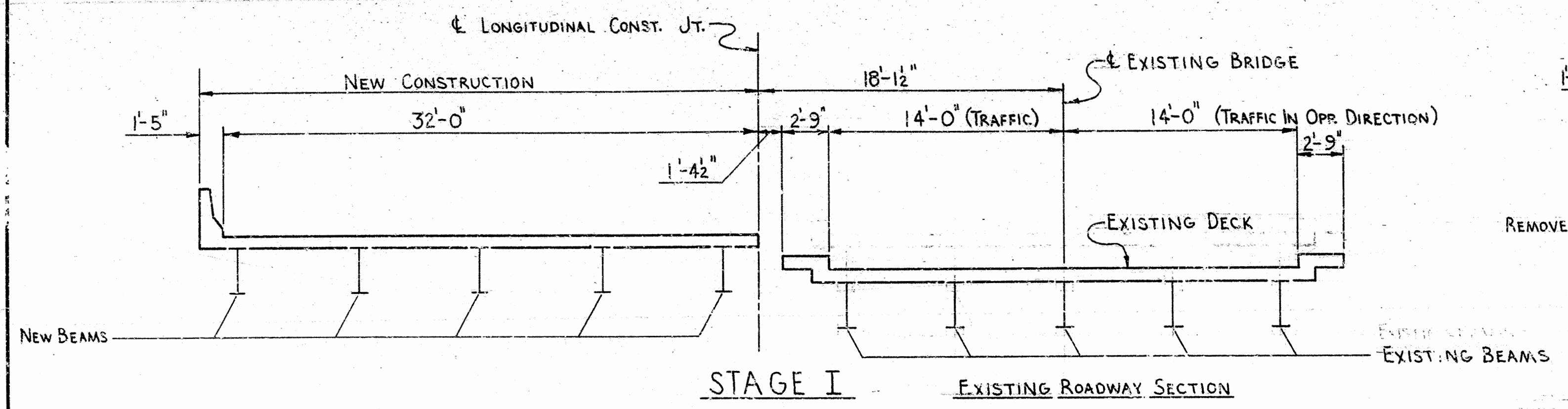
△ Revised: Changed quantity. 7-12-89, LM

SCHEDULE OF BRIDGE QUANTITIES
WEST MEMPHIS INTERCHANGE - I-55
CRITTENDEN COUNTY
ROUTE 1-40 & I-55 SEC. 52
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
DRAWN BY: L.M. DATE: 8-12-88
CHECKED BY: M.C. DATE: 12-21-88 SCALE: NONE
DESIGNED BY: DATE:
BRIDGE NO. 3130R, 2673R, AR, BR, CR DRAWING NO. 29942

DALE F. LOE
DESIGN SECTION SUPERVISOR

Veral Pindexter
BRIDGE ENGINEER

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
7-12-89	8-15-88			6	ARK.			
				JOB NO.	R10008		68	235
(1) 3130R, 2673R & AR - STAGE CONST. SEQ. - 29944								



BRIDGE 3130R
LOOKING FORWARD

BRIDGE 2673R

BRIDGE 2673AR

STAGE CONSTRUCTION SEQUENCE
WEST MEMPHIS INTERCHANGE - I-55
CRITTENDEN COUNTY

NOTE: THE CONTRACTOR MAY CONSTRUCT ANY PART OF THE SUBSTRUCTURE OR SUPERSTRUCTURE AS SOON AS POSSIBLE UNDER ANY STAGE WHEN APPROVED BY THE ENGINEER.

ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
DRAWN BY: DRB DATE: 7-26-88
CHECKED BY: CUF DATE: 8-15-88 SCALE: NONE
DESIGNED BY: DRB DATE: 7-26-88
BRIDGE NO. 3130R
2673R & AR DRAWING NO. 29944

Paul Pinkerton
BRIDGE ENGINEER

For R/W DATA - SEE RDWY PLANS For Details of Approach Slabs and Gutters @ Both Ends Of Bridge, SEE DWG. NOS. 29975 & 29976.

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
7-12-89	8-26-89			6	ARK.			
				JOB NO.		R10008	91	255
				① 2673R & AR - LAYOUT -		29967		

GENERAL NOTES

CONSTRUCTION SPECIFICATIONS: Arkansas State Highway and Transportation Department Standard Specifications for Highway Construction, 1988 edition, with applicable supplemental specifications and special provisions.

DESIGN SPECIFICATIONS: AASHTO Standard Specifications for Highway Bridges, 1983 with current interim specifications.

LIVE LOADING: HS20 METHOD OF DESIGN: Load Factor

DETAIL DRAWINGS: DRAWING NO.

Bents	29968-29970
Spans	29971-29973
Staged Construction Sequence	29944
Embankment Construction	1888A
Concrete Bearing Piling	2303
Guard Rail Connection	GR-S & GR-BA
Type C Bridge Name Plates	2389A
Approach Slabs	29976
Approach Gutters	29975
Median Parapet Rail Repair	29974
Temporary Precast Barriers	1876B

BOILED LINSEED OIL: Boiled linseed oil treatment shall be applied to the roadway surface and to the face and top of the concrete parapet rail (New construction only).

BRIDGE DECK: The concrete bridge deck shall be given a fine finish as specified for final finishing in subsection 802.20 for Class 5 Bridge Roadway Surface Finish (New construction only).

CONCRETE PILING: Piling for Bents 1 through 5 shall be 16" octagonal precast concrete and shall be driven with an approved air, steam, or diesel hammer to a minimum bearing of 44 tons per pile. Drive all piles to a minimum penetration of 20' below natural ground. Lengths of piling shown are assumed for estimating quantities only. Actual lengths to be determined in the field.

The proposed work for bridge 2673R consists of widening the outer side of the bridge; removing some existing approach gutters; widening existing approach slabs; adding new approach gutters; modifying all existing bents; removing and replacing portions of the median rail. See Job Special Provisions.

The contractor shall make check measurements of the existing bridge and make adjustments necessary to fit the new work to the existing structure.

All existing material not used in the finished structure shall become the property of the contractor.

For maintenance of traffic, see Job Special Provisions and Staged Construction Sequence on Drawing No. 29944

Half-size sheets of the existing bridge may be obtained upon request to the Bridge Division of the Arkansas State Highway and Transportation Department.

* In lieu of using 16" octagonal precast concrete piling, 16" square precast concrete piling may be used. New pile shapes shall not be mixed.

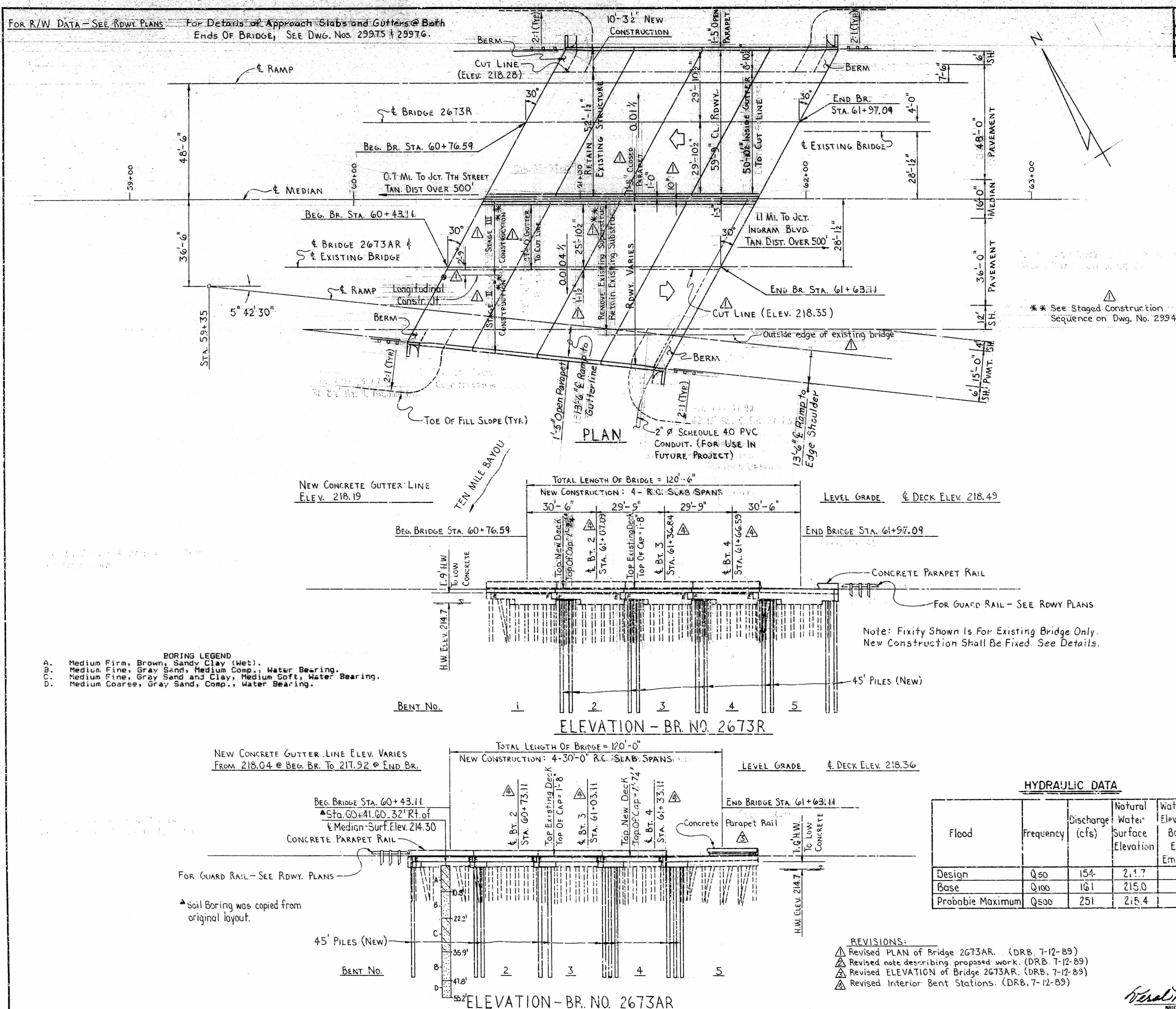
The proposed work for bridge 2673AR consists of removing the existing superstructure; adding a new superstructure; removing all existing approach slabs and gutters; adding new approach slabs and gutters; modifying all existing bents. See Job Special Provisions.

LAYOUT OF BRIDGE OVER TEN MILE BAYOU WEST MEMPHIS INTERCHANGE - I-55

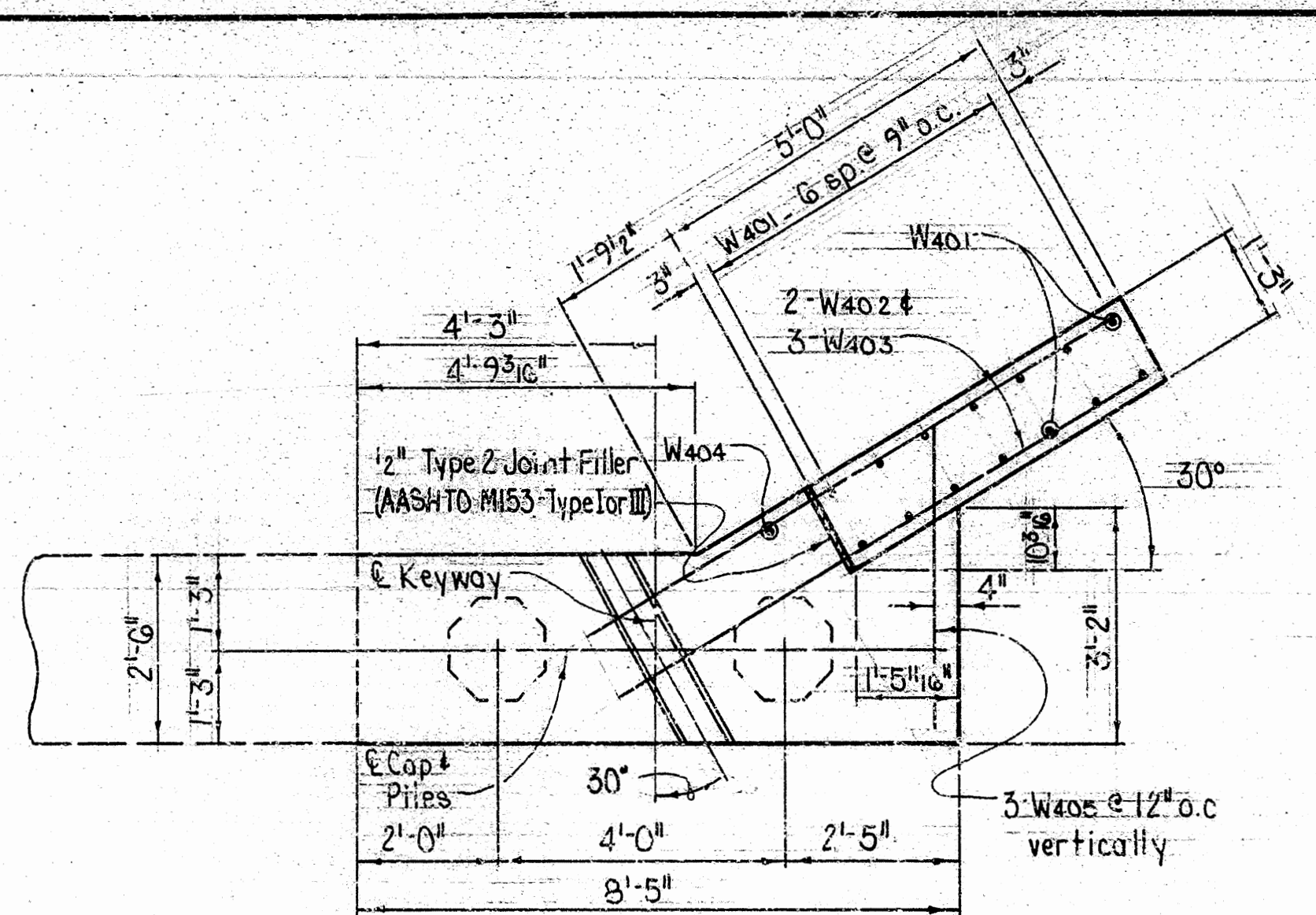
CRITTENDEN COUNTY
ROUTE 1-408 SEC. 52
1-55
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: DRB DATE: 10-13-87
CHECKED BY: D.H.P. DATE: 7-16-88
DESIGNED BY: DRB DATE: 10-13-87

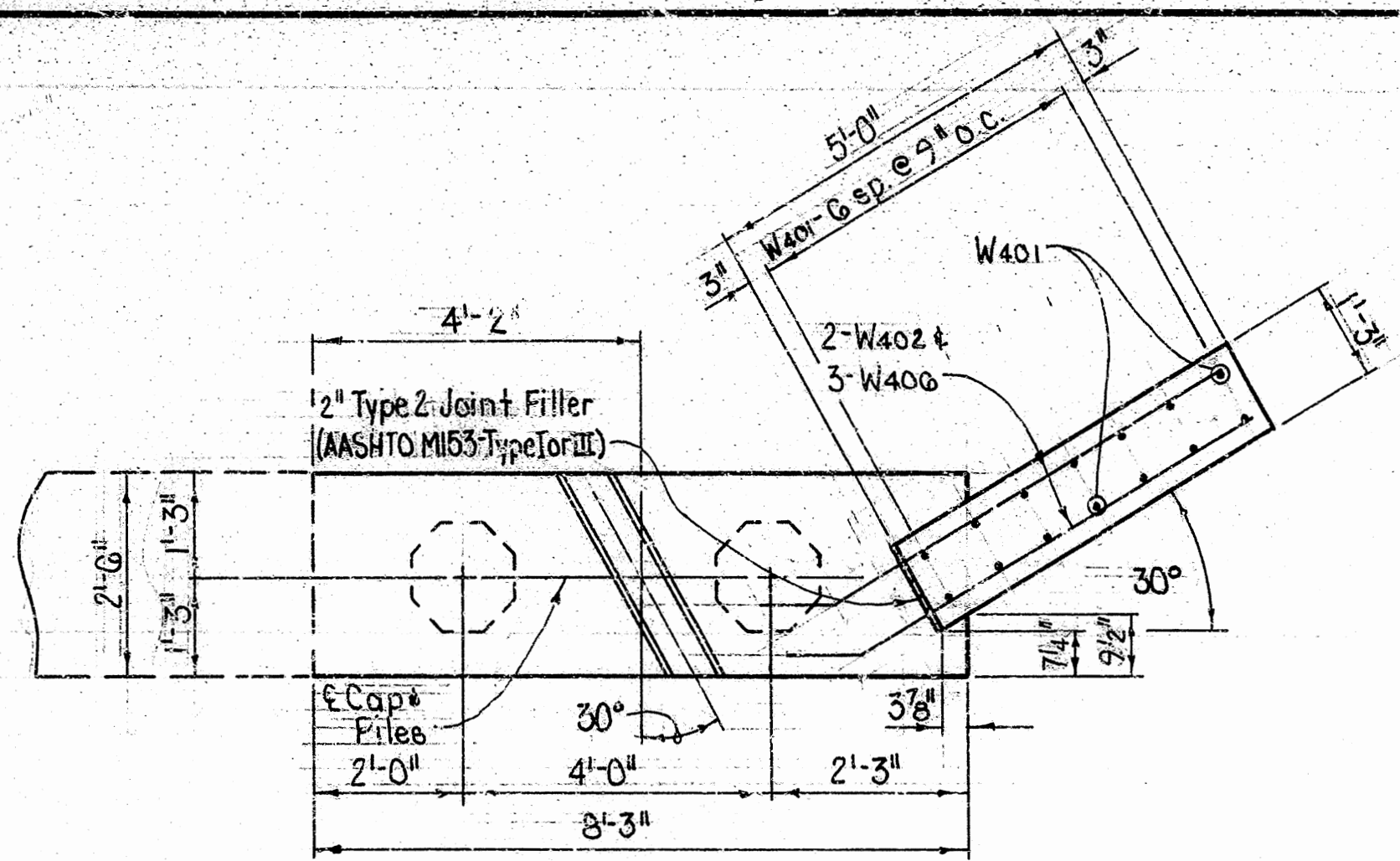
BRIDGE NO. 2673R & AR DRAWING NO. 29967



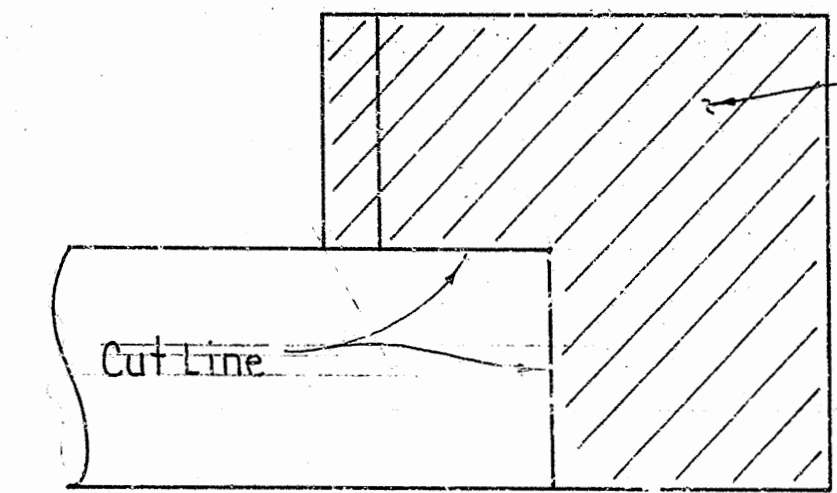
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		R10008	92	235
						2673R - BENTS - 29968		



PLAN-BENT 1
Scale: 1/2" = 1'-0"



PLAN-BENT 5
Scale: 1/2" = 1'-0"



REMOVAL DETAILS
No Scale

Note: Remove all concrete & reinforcing steel from existing wings at Cut Line as shown from Bents 1 & 5.

BAR LIST - PER BENT

MARK	NUMBER REQUIRED			LENGTH	P.D.	BENDING DIAGRAMS
	BT. 1	BT. 2, 3, 4	BT. 5			
B401	12	12	12	9'-0"	2"	
B402	6	6	6	6'-4"	2"	
B403	2	-	-	8'-1"	Str.	
B404	-	2	-	7'-10"	Str.	
B405	-	-	2	7'-11"	Str.	
W401	14	-	14	3'-8"	Str.	
W402	4	-	4	4'-8"	Str.	
W403	6	-	-	8'-4"	Str.	
W404	1	-	-	2'-2"	Str.	
W405	3	-	-	4'-0"	Str.	
W406	-	-	6	6'-10"	2"	
B601	6	-	-	8'-9"	4 1/2"	
B602	6	-	-	8'-1"	Str.	
B603	-	6	-	8'-6"	4 1/2"	
B604	-	6	-	7'-10"	Str.	
B605	-	-	6	8'-7"	4 1/2"	
B606	-	-	6	7'-11"	Str.	
D601	4	4	4	3'-0"	Str.	
D602	7	14	7	2'-6"	Str.	

*D601 dowel bars are not paid for directly. See Section 821 of the Standard Specifications.

GENERAL NOTES

All concrete shall be Class S with a minimum 28 day compressive strength, $f'_c = 3500$ psi. Concrete shall be poured in the dry and all exposed corners to be chamfered 3/4" unless otherwise noted.

All reinforcing steel shall conform to ASTM A615 or A617, Grade 60 (Yield Strength = 60,000 psi.)

Construction Specifications: Arkansas State Highway and Transportation Department Standard Specifications for Highway Construction, 1980 edition, with applicable supplemental specifications and special provisions.

Design Specifications: AASHTO Standard Specifications for Highway Bridges, 1983 edition, with current interim specifications.

For additional notes, see layout.

Type 2 Joint Filler shall be subsidiary to the item Class S Concrete

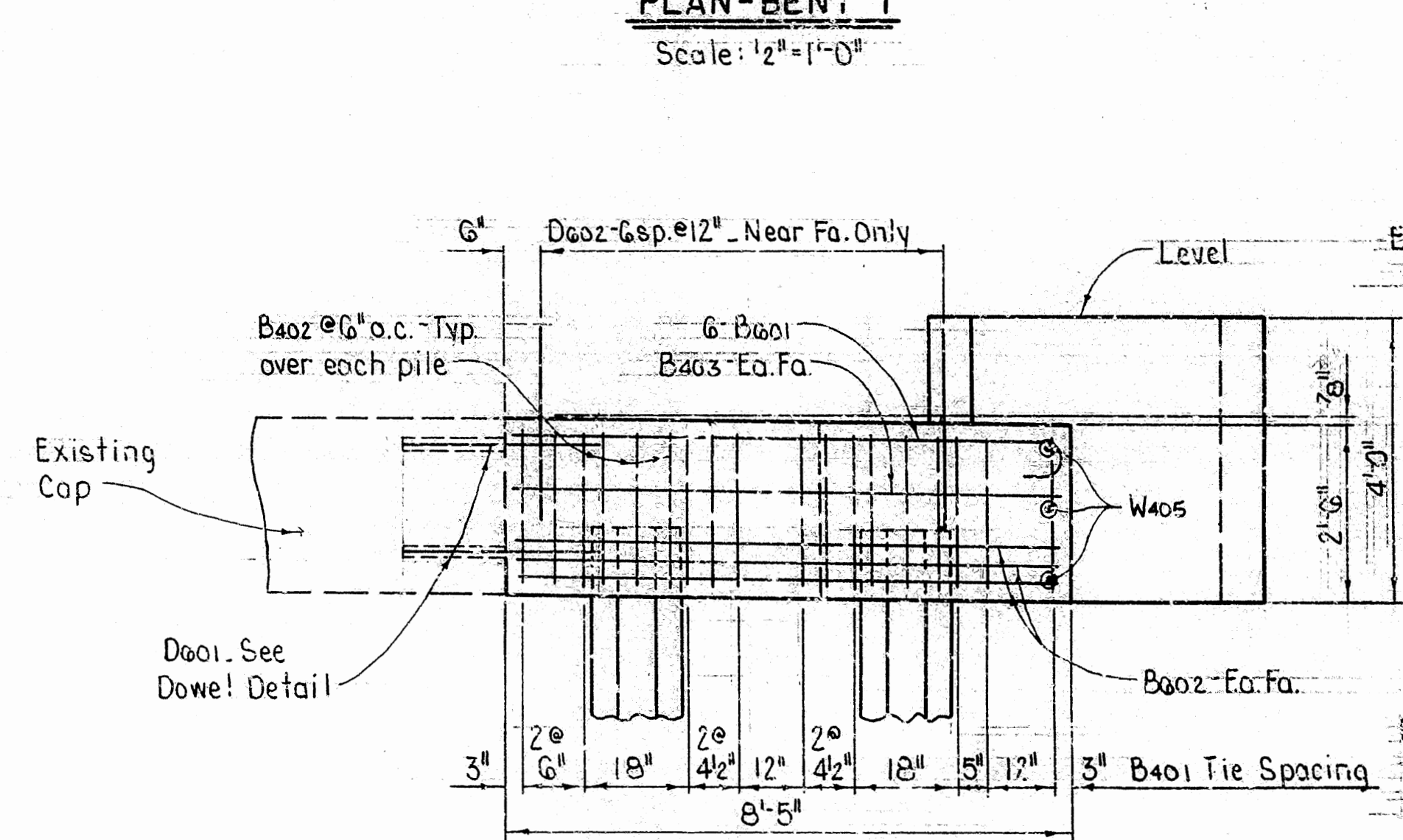
Wing shall be poured after span is complete.

**DETAILS OF REMODELING BENTS
TEN MILE BAYOU**

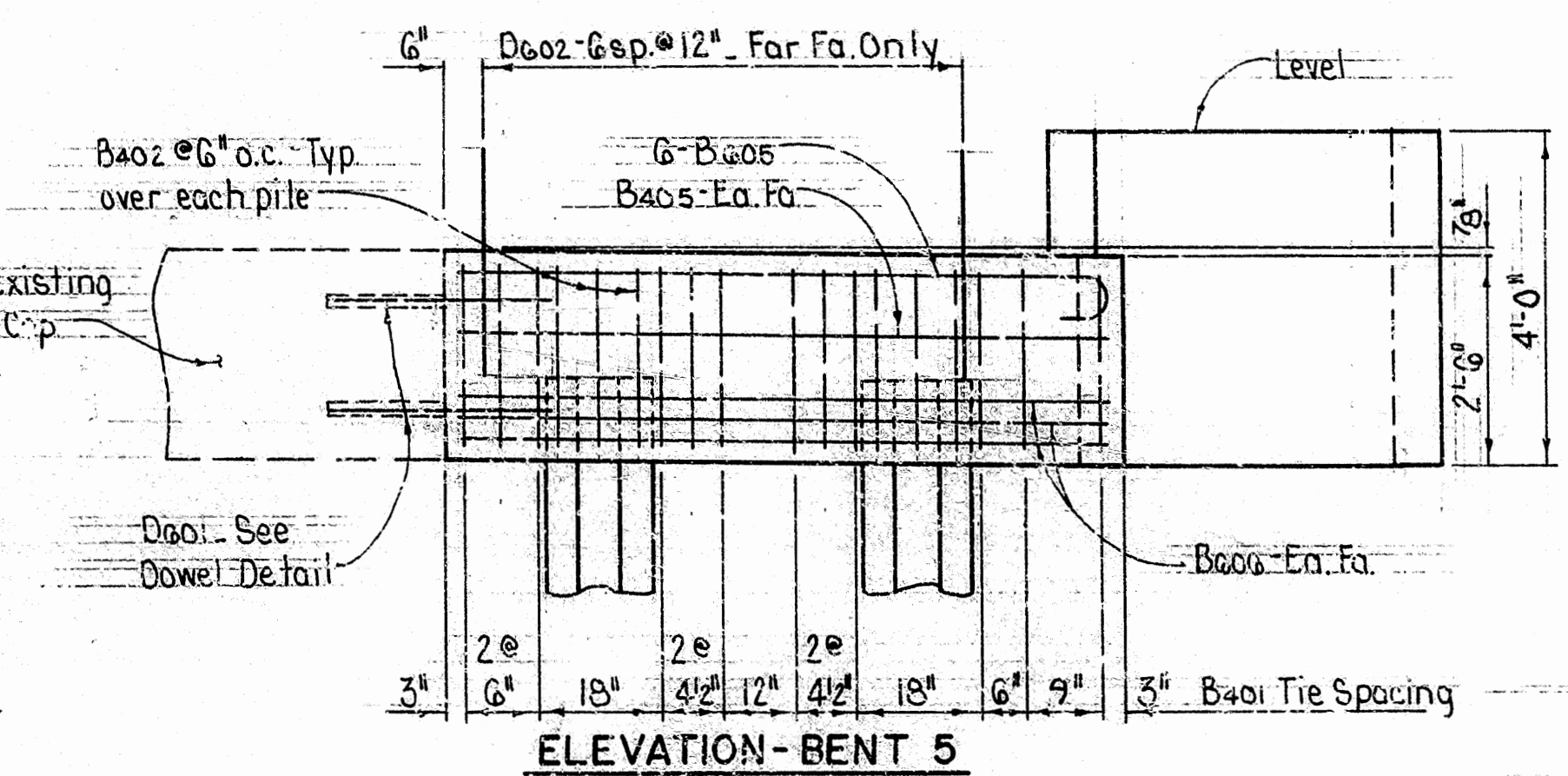
ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: KDH DATE: 30 JUN 88
CHECKED BY: DRB DATE: 8-19-88
DESIGNED BY: D.H.P. DATE: 2-16-88

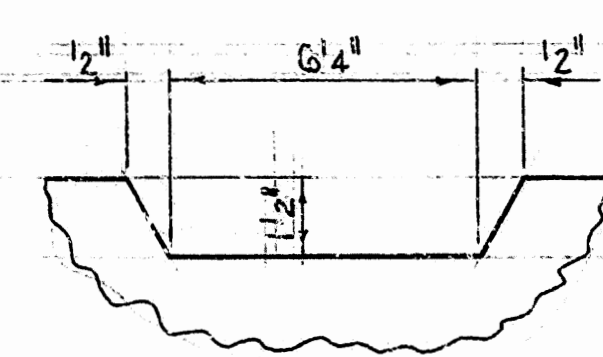
BRIDGE NO. 2673R DRAWING NO. 29968



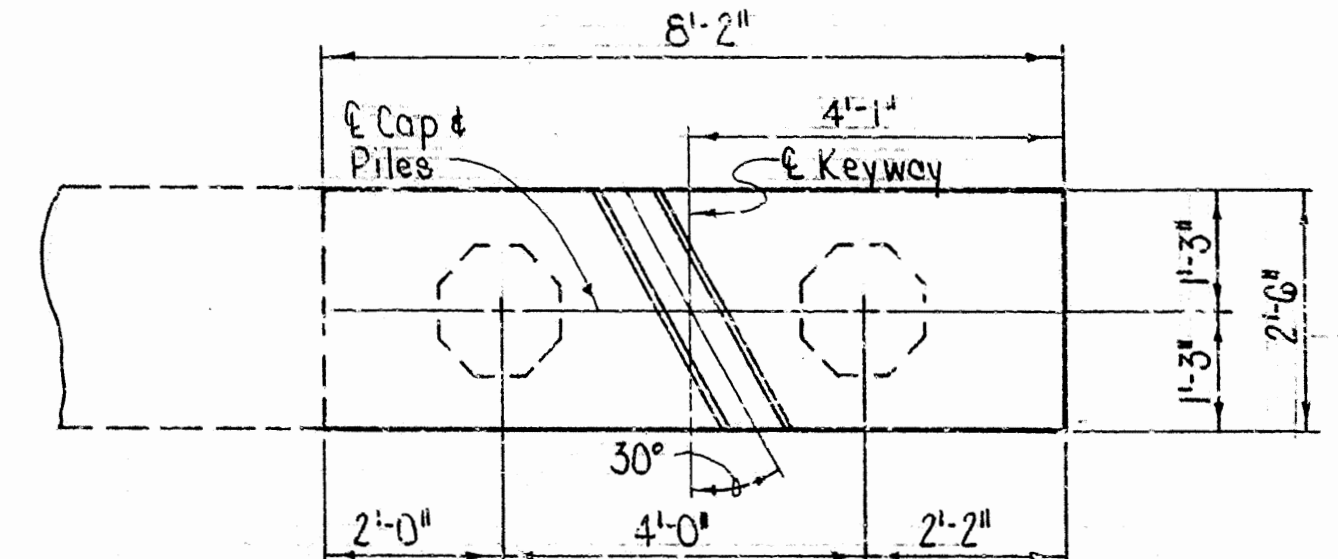
ELEVATION-BENT 1
Looking Back
Scale: 1/2" = 1'-0"



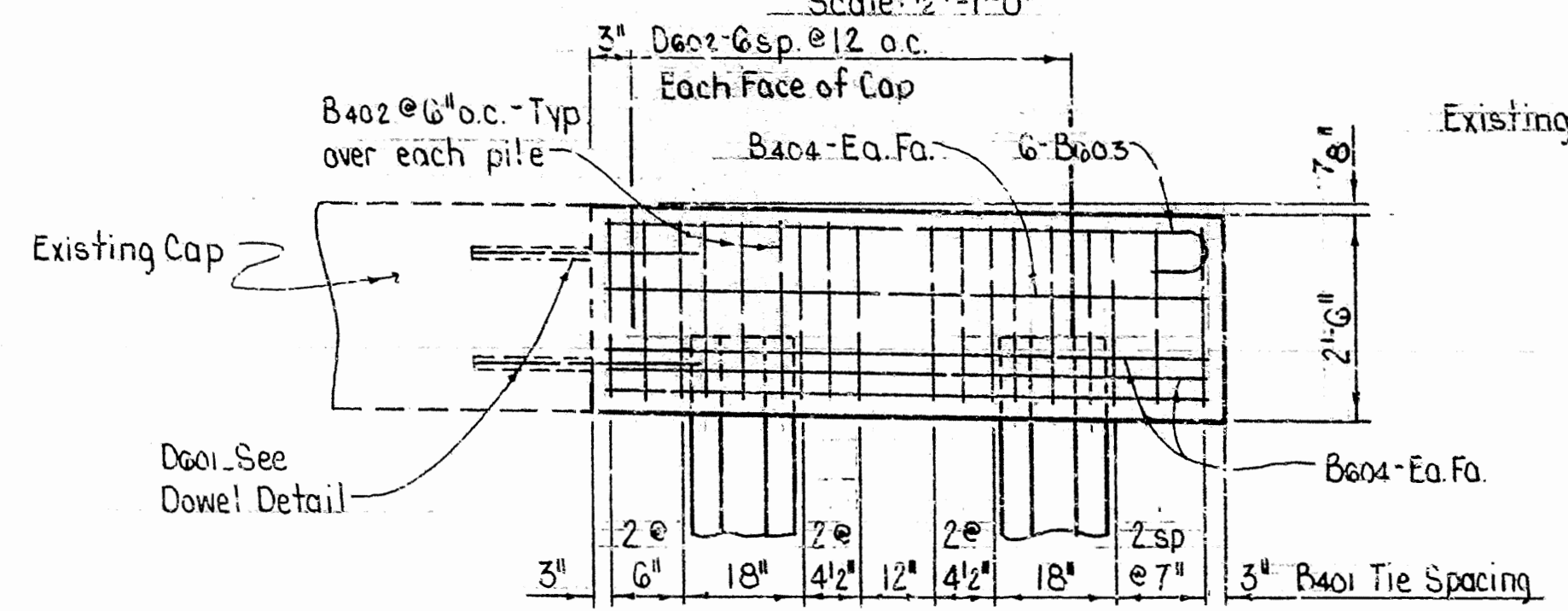
ELEVATION-BENT 5
Looking Back
Scale: 1/2" = 1'-0"



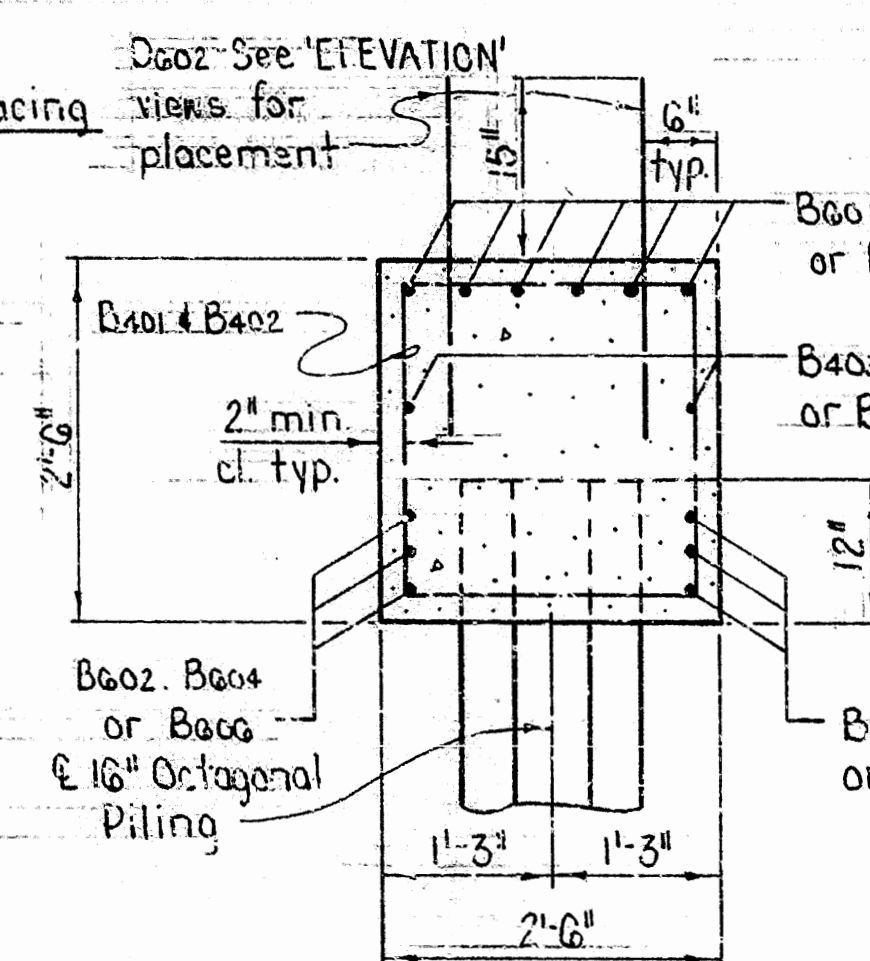
KEYWAY DETAILS
No Scale



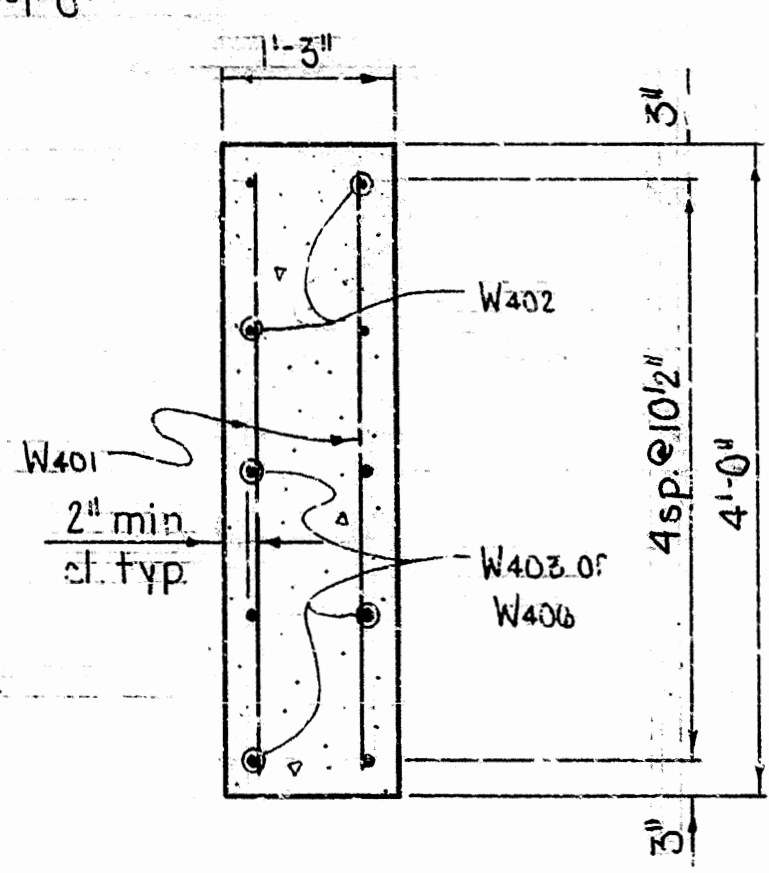
PLAN-BENTS 2, 3 & 4
Scale: 1/2" = 1'-0"



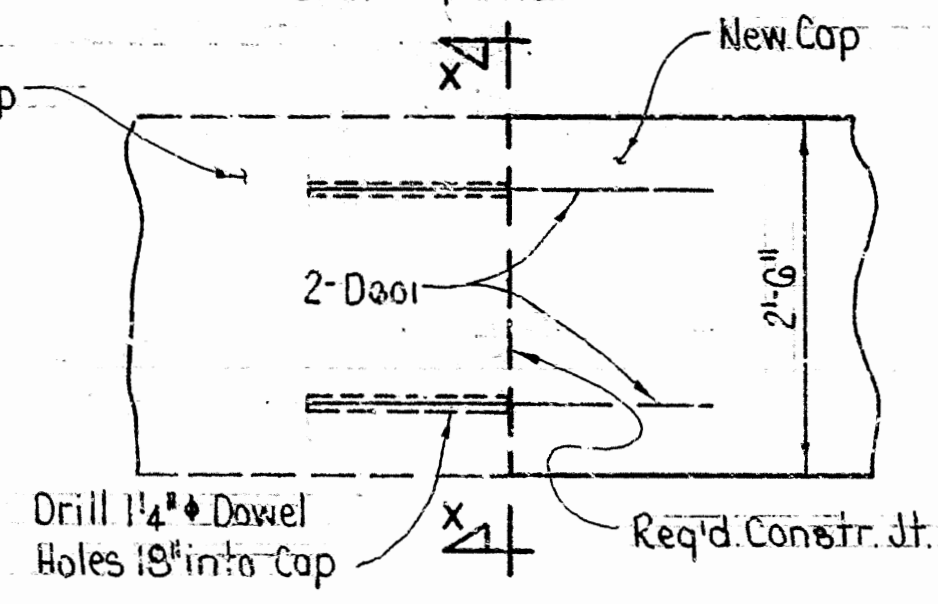
ELEVATION-BENTS 2, 3 & 4
Looking Back
Scale: 1/2" = 1'-0"



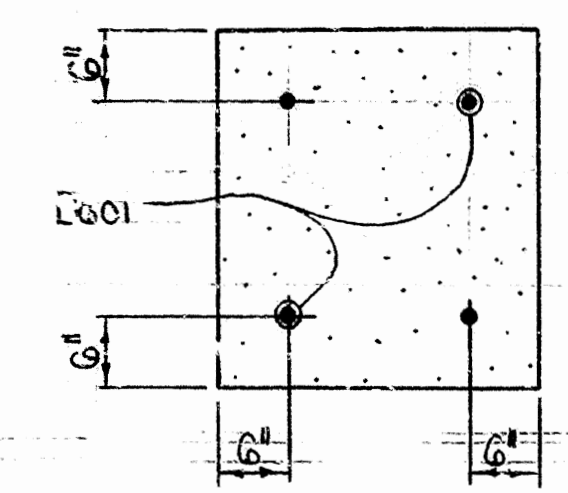
TYP SECTION THRU CAP
Scale: 3/4" = 1'-0"



TYP SECTION THRU WINGS
Scale: 3/4" = 1'-0"



DOWEL DETAIL
Scale: 3/4" = 1'-0"



SECTION X-X
Scale: 3/4" = 1'-0"



4'-0"

2'-6"

1/16"

D602 - 4 sp. @ 12" 6"

Near Side of Cap

6-B601

B403-Ea. Fa.

B402 @ 6" o.c.

Req'd. Constr. Jt.

B602-Ea. Fa.

D601 - See Dowel Detail, Dwg. No. 29970

B401 Tie Spacing 3" 4 sp. @ 6 1/2" 18" 4 sp. @ 6 1/2" 3"

4'-0"

2'-6"

2 1/2"

6"

D602 - 17 sp. # 12" - Far Side of Cap

6-B603

B404-Ea. Fa.

B402 # 6" o.c. Typ. over each pile

Req'd. Constr. Jt.

W406

B604-Ea. Fa.

D601 - See Dowel Detail, Dwg. No. 29970

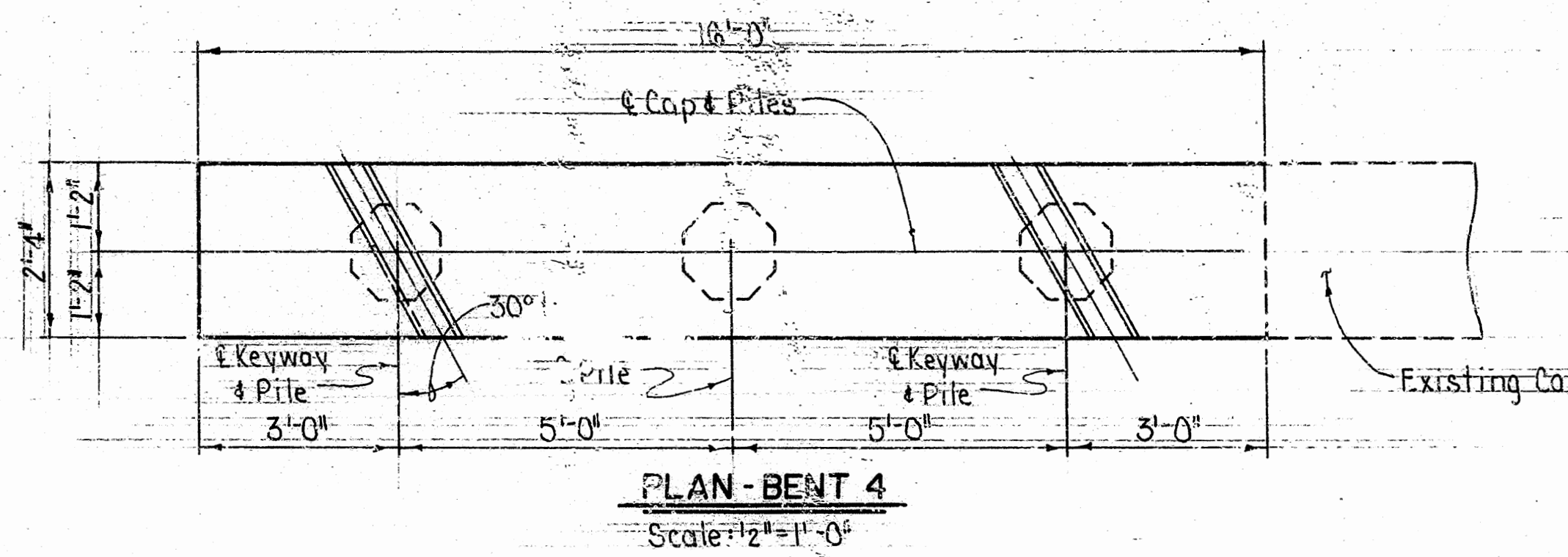
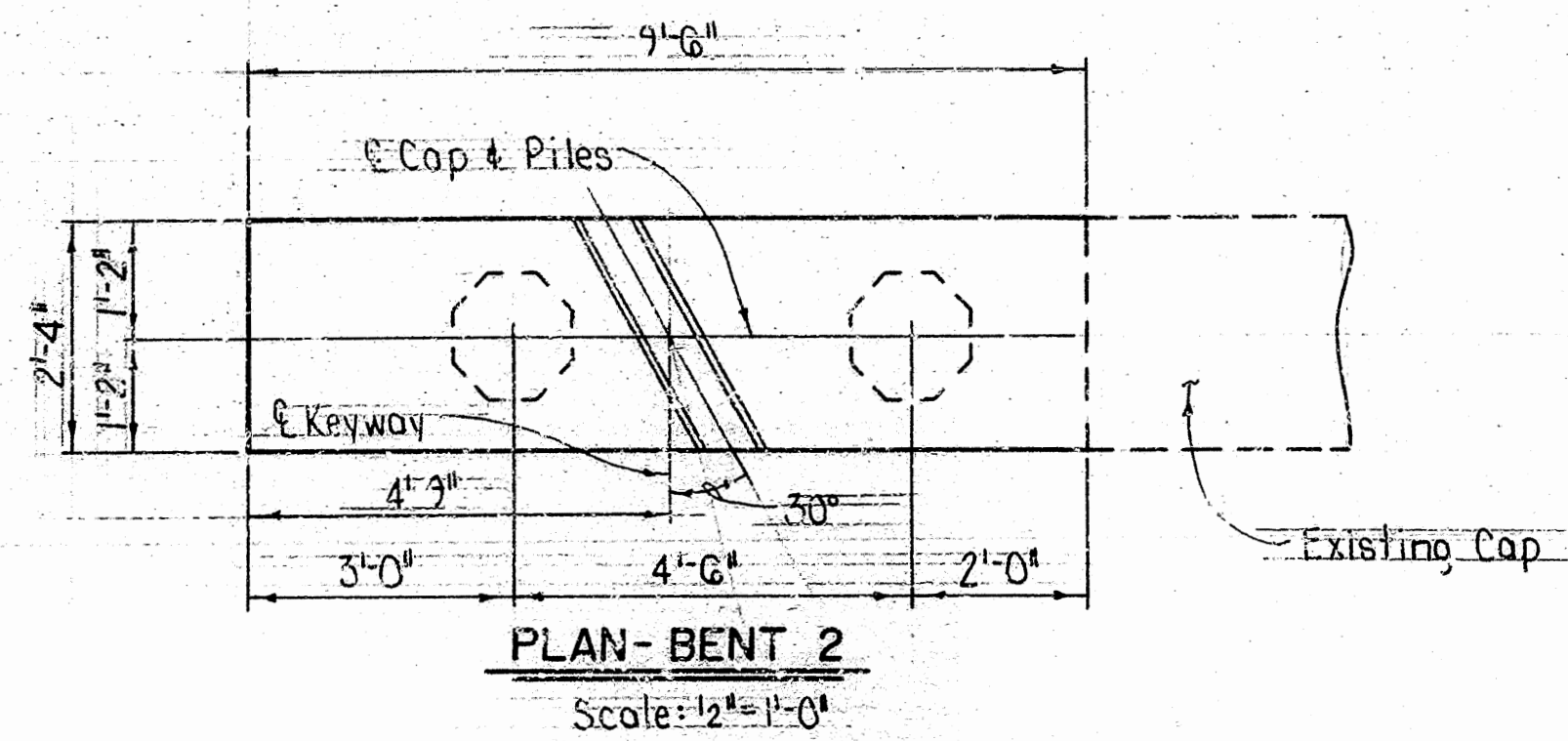
B401 Tie Spacing 3" 3 sp. @ 9" 2 sp. @ 6" 18" 2 sp. @ 6" 3 sp. @ 10" 2 sp. @ 6" 18" 2 sp. @ 6" 3 sp. @ 10" 2 sp. @ 6" 18" 3 sp. @ 9" 3"

KDHE514	1,550,3000,1620	BRI0008.BIO
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148

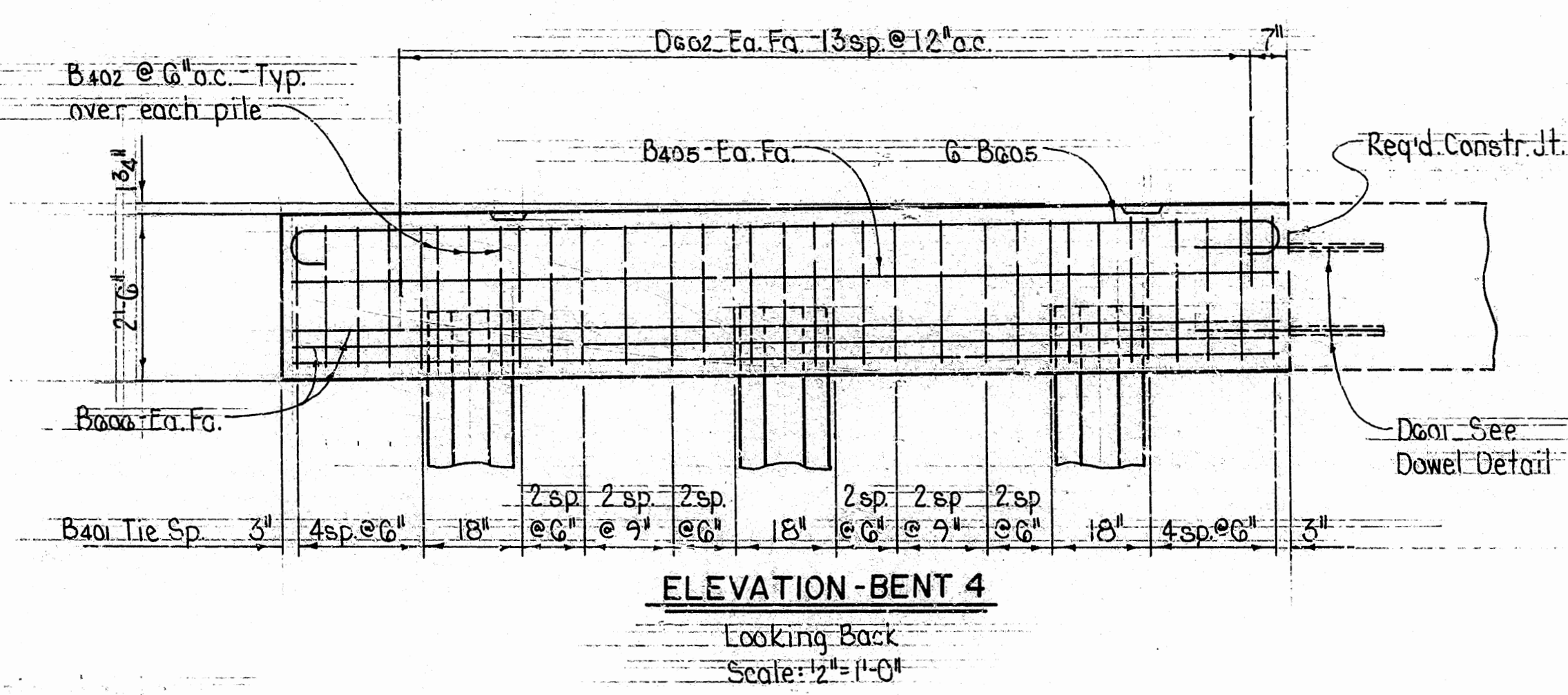
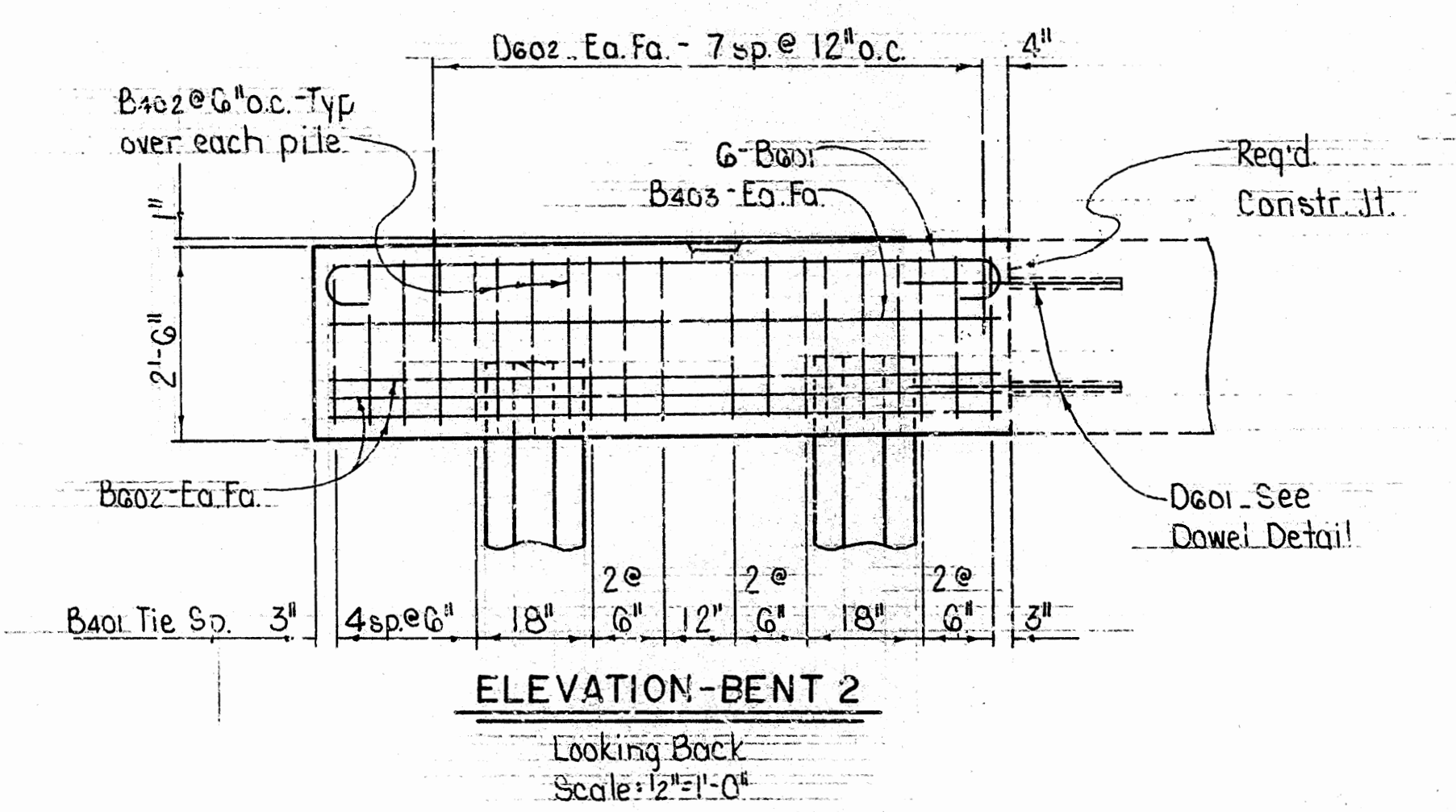
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	RI0008		34	235

2673AR - INT. BENTS - 29970



BAR LIST - PER BENT						BENDING DIAGRAMS
MARK	NUMBER REQUIRED	BENT 2	BENT 3	BENT 4	P. D.	
B401	14	18	24	8'-8"	2"	
B402	6	6	9	6'-2"	2"	
B403	2	-	-	9'-2"	Str.	
B404	-	2	-	12'-5"	Str.	
B405	-	-	2	15'-8"	Str.	
B601	6	-	-	10'-6"	4 1/2"	
B602	6	-	-	9'-2"	Str.	
B603	-	6	-	13'-9"	4 1/2"	
B604	-	6	-	12'-5"	Str.	
B605	-	-	6	17'-0"	4 1/2"	
B606	-	-	6	15'-8"	Str.	
D601*	4	4	4	3'-0"	Str.	
D602	16	22	28	2'-6"	Str.	Dimensions are out to out of bars.

*D601 dowel bars are not paid for directly. See Section 821 of the Standard Specifications.



GENERAL NOTES

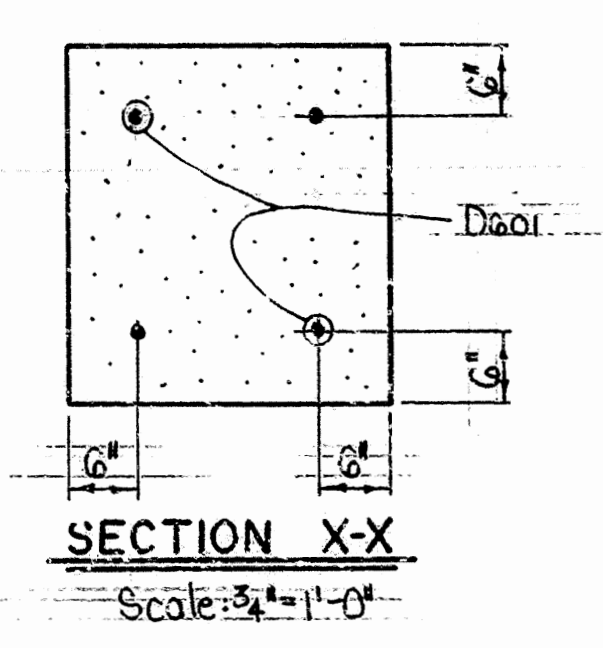
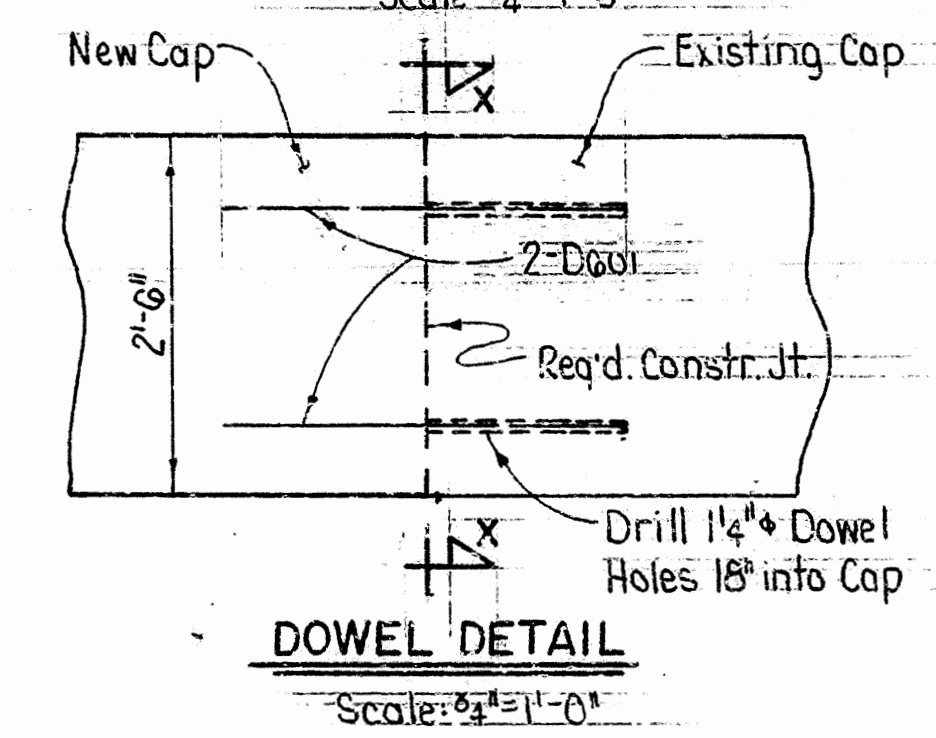
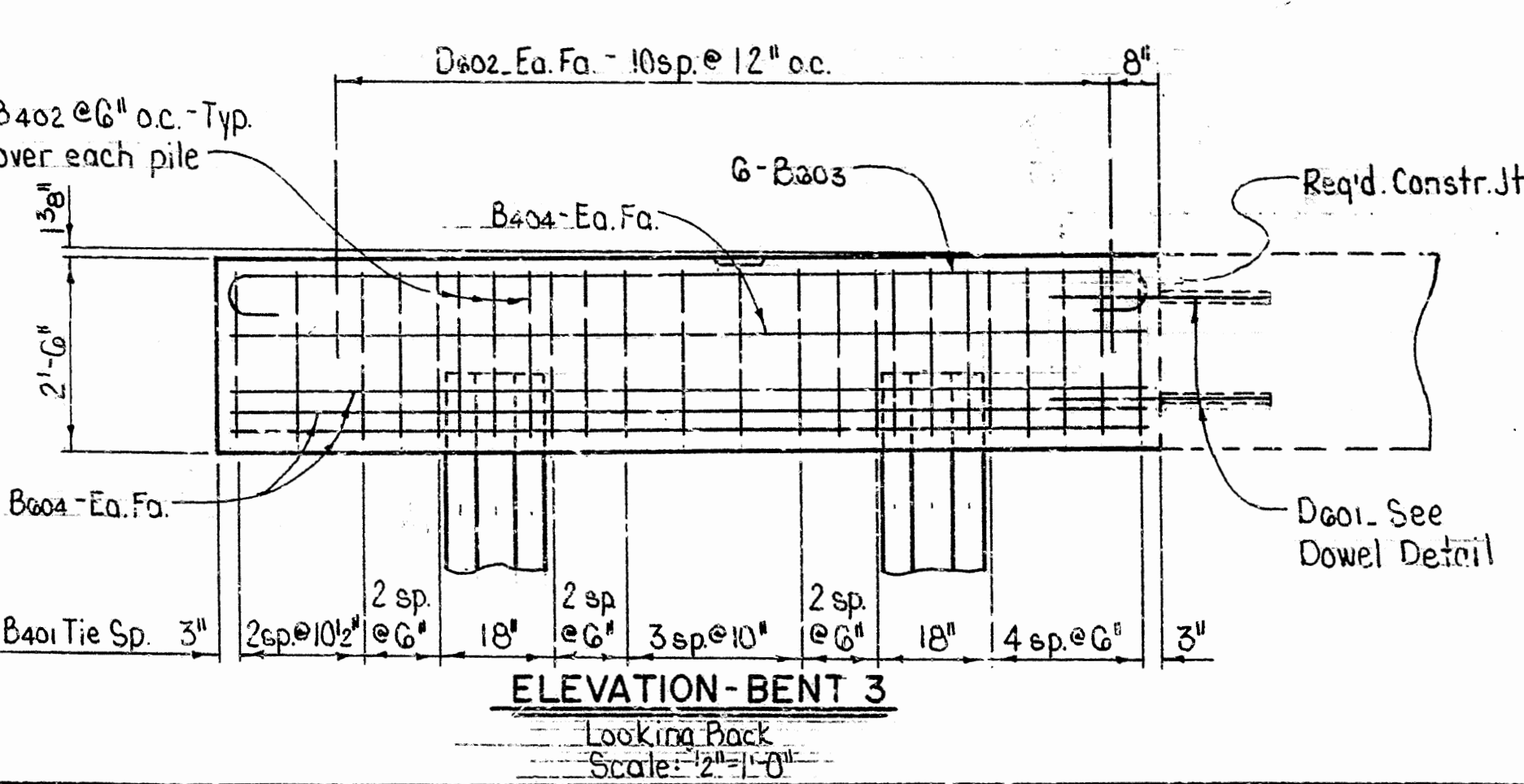
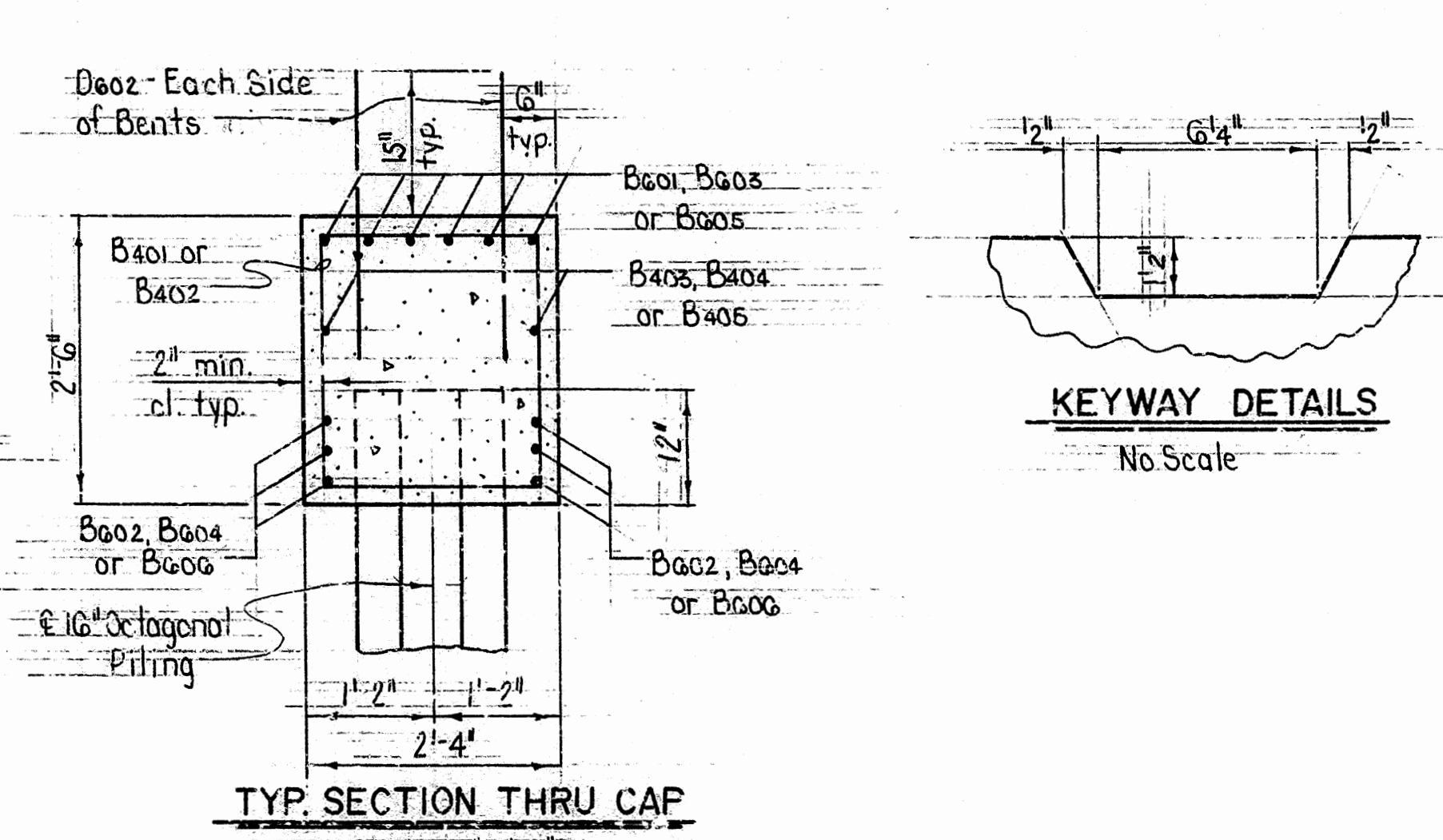
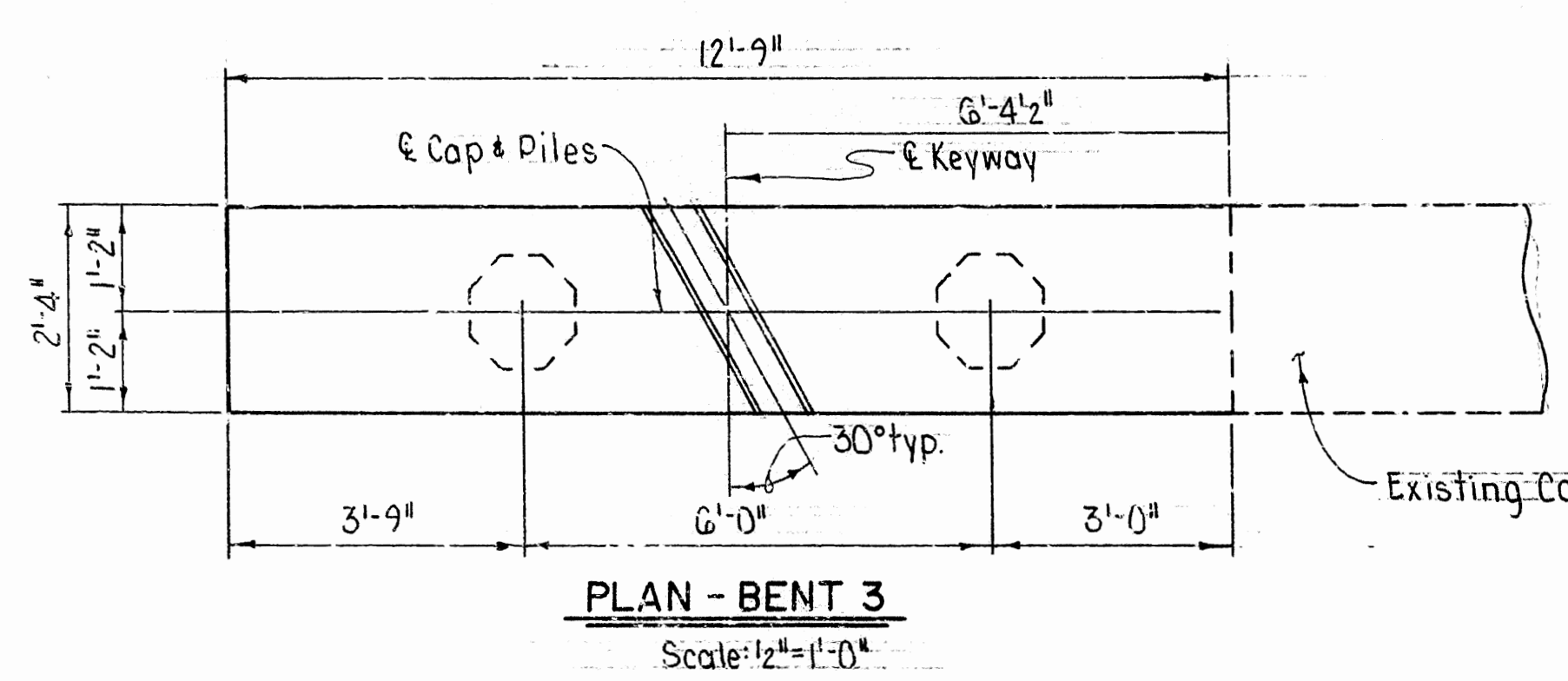
All concrete shall be Class S with a minimum 28 day compressive strength, $f'_c = 3500$ psi. Concrete shall be poured in the dry and all exposed corners to be chamfered 3/4" unless otherwise noted.

All reinforcing steel shall conform to ASTM A615 or A617, Grade 60 (Yield Strength = 60,000 psi.)

Construction Specifications: Arkansas State Highway and Transportation Department Standard Specifications for Highway Construction, 1988 edition, with applicable supplemental specifications and special provisions.

Design Specifications: AASHTO Standard Specifications for Highway Bridges, 1983 edition, with current interim specifications.

For additional notes, see layout.



DETAILS OF REMODELING INT. BENTS
TEN MILE BAYOU

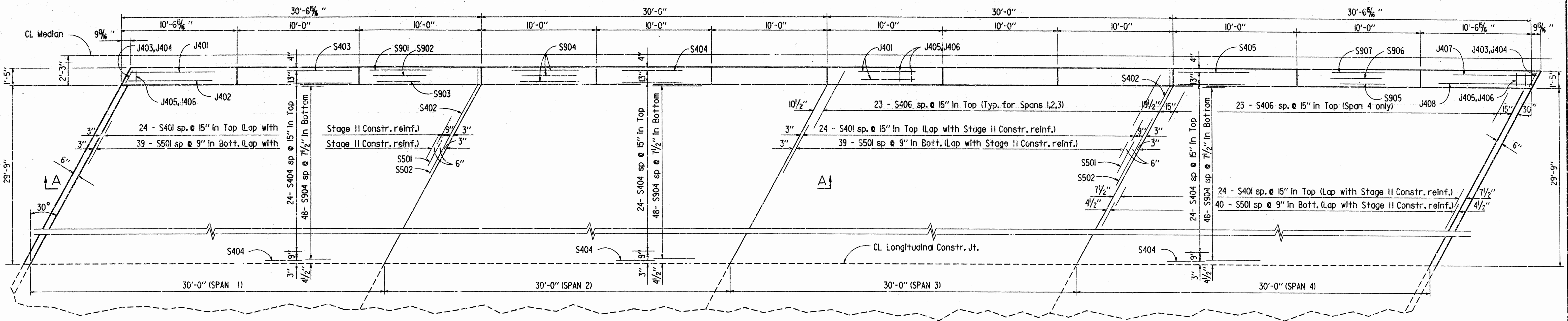
ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: KDH DATE: 8 JUL 88
CHECKED BY: MFC DATE: 8-19-88
DESIGNED BY: DHP DATE: 7-6-88

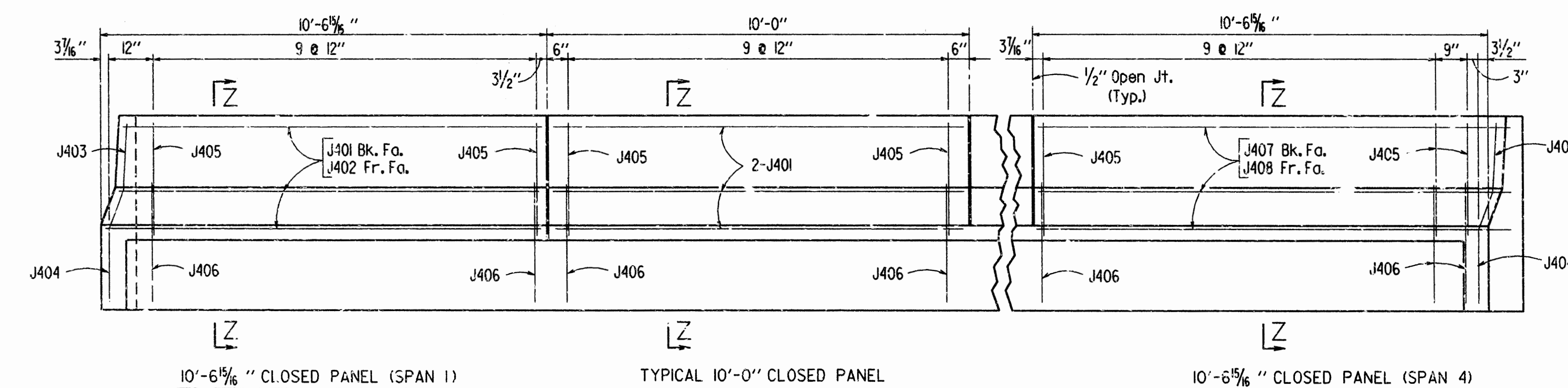
BRIDGE NO. 2673 AR DRAWING NO. 29970

SCALE: AS NOTED

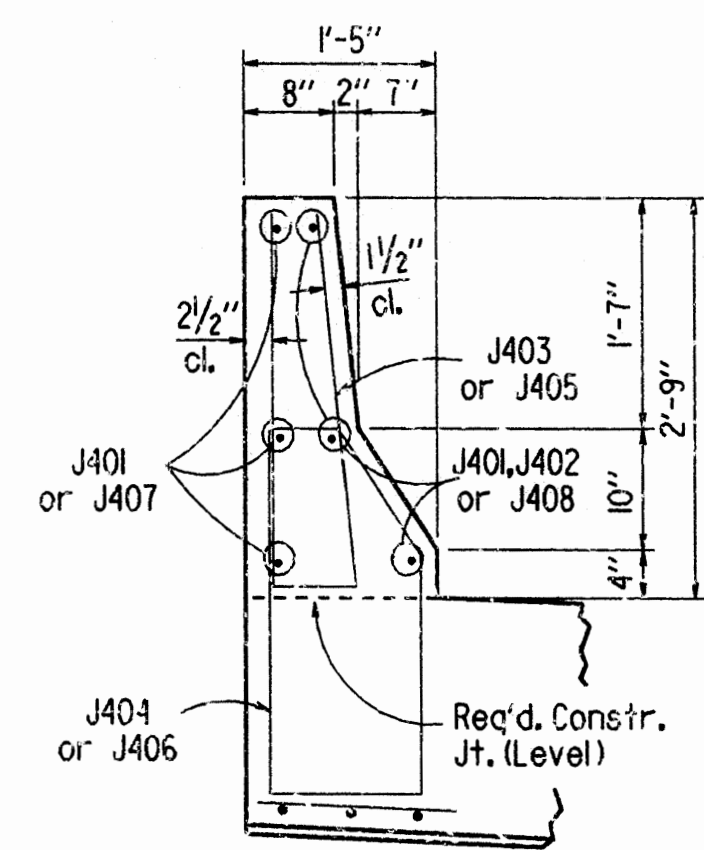
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
7-12-89	8-1-7-84-84			6	ARK.		95	
				2673AR	SPAN	29971A		



PLAN-NEW CONSTRUCTION
1/4" = 1'-0"

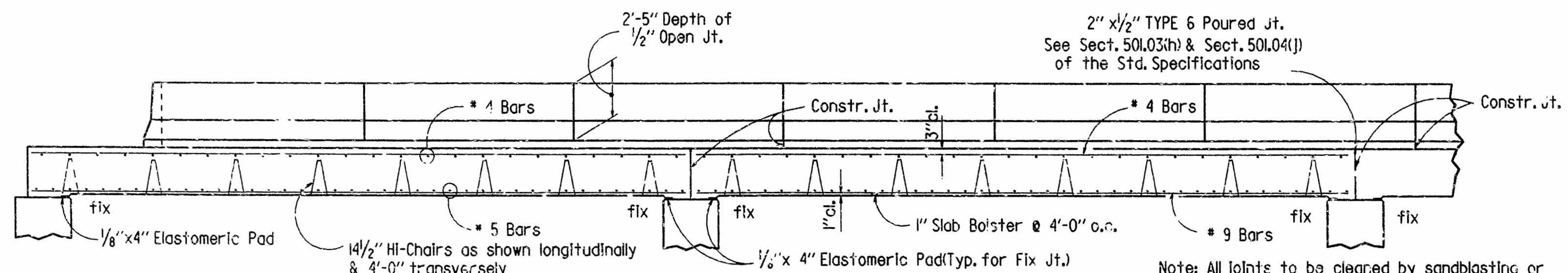


LONGITUDINAL SECTION AT CURB
1/2" = 1'-0"

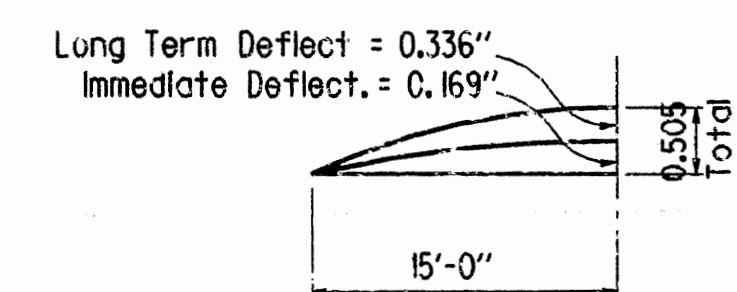


SECTION Z-Z
3/4" = 1'-0"

BAR LIST									
Mark	Number Required				Length	A	B	Pin Dia.	Bending Diagrams
	Span 1	Span 2	Span 3	Span 4					
S901	1				29'-6"			Str.	
S902	1				29'-9"			Str.	
S903	1				30'-1"			Str.	
S904	48	51	51	48	29'-8"			Str.	
S905				1	30'-4"			Str.	
S906				1	30'-7"			Str.	
S907				1	30'-10"			Str.	
S501	40	40	40	40	35'-10"			Str.	
S502	1	1	1		35'-7"	34'-4"	1'-3"	3 3/4"	
S401	24	24	24	24	36'-4"	35'-10"	4 1/2"	3"	
S402	1	1	1		35'-7"	34'-4"	1'-3"	3"	
S403	1				29'-7"			Str.	
S404	25	26	26	25	29'-8"			Str.	
S405				1	30'-10"			Str.	
S406	23	23	23	23	5'-6"	5'-0"	4 1/2"	3"	
J401	15	18	18	12	9'-6"			Str.	
J402	3				10'-1"			Str.	
J403	1			1	5'-7"			2"	
J404	1			1	7'-4"			2"	
J405	30	30	30	31	5'-6"			2"	
J406	30	30	30	31	7'-1"			2"	
J407				3	10'-10"			Str.	
J408				3	10'-4"			Str.	



LONGITUDINAL SECTION A-A
1/4" = 1'-0"



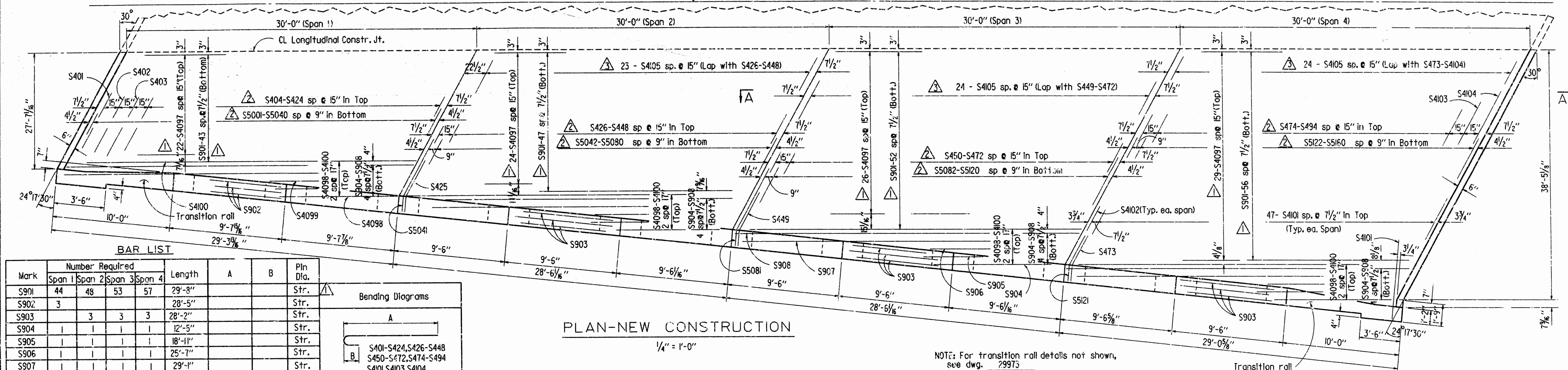
DEAD LOAD CAMBER DIAGRAMS
N.T.S.

Notes: For Details of slab cross-sections, see dwg. 29973
For General Notes, see dwg. 29973

DETAILS OF 30'-0" R.C. SLAB SPANS
BRIDGE 2673AR OVER TEN MILE BAYOU
CRITTENDEN COUNTY
ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.


DRAWN BY: L.M. DATE: 7-7-89
CHECKED BY: D.R.B. DATE: 7-7-89
DESIGNED BY: D.H.P. DATE: 7-6-88
BRIDGE NO. 2673AR DRAWING NO. 29971A

CL Bridge 2673 AR



Mark	Number Required				Length	A	B	Pin Dia.
	Span 1	Span 2	Span 3	Span 4				
S901	44	48	53	57	29'-8"			Str.
S902	3				28'-5"			Str.
S903		3	3	3	28'-2"			Str.
S904	1	1	1	1	12'-5"			Str.
S905	1	1	1	1	18'-11"			Str.
S906	1	1	1	1	25'-7"			Str.
S907	1	1	1	1	29'-1"			Str.
S908	1	1	1	1	29'-5"			Str.
S5001-S5040	1 ea.				34'-9" to 38'-0"			Str.
S5041		1			38'-0"	36'-8 1/2"	1'-3"	3 3/4"
S5042-S5080		1 ea.			38'-11" to 41'-3"			Str.
S5081			1		41'-2"	39'-11"	1'-3"	3 3/4"
S5082-S5120			1 ea.		41'-5" to 44'-6"			Str.
S5121				1	44'-5"	43'-2"	1'-3"	3 3/4"
S5122-S5160				1 ea.	44'-8" to 47'-9"			Str.
S401	1				35'-7"	35'-1"	4 1/2"	3"
S402	1				35'-8"	35'-3"	4 1/2"	3"
S403	1				35'-11"	35'-5"	4 1/2"	3"
S404-S424	1 ea.				35'-7" to 38'-6"	35'-11" to 37'-11 1/2"	4 1/2"	3"
S425		1			38'-0"	36'-8 1/2"	1'-3"	3"
S426-S448		1 ea.			12'-2" to 15'-3"	11'-8" to 14'-9"	4 1/2"	3"
S449			1		14'-8"	13'-5"	1'-3"	3"
S450-S472			1 ea.		15'-5" to 18'-6"	14'-11 1/4" to 18'-0"	4 1/2"	3"
S473				1	17'-11"	16'-8"	1'-3"	3"
S474-S494				1 ea.	18'-9" to 21'-5"	18'-2 1/2" to 20'-11"	4 1/2"	3"
S4097	22	24	26	29	29'-8"			Str.
S4098	1	1	1	1	12'-5"			Str.
S4099	1	1	1	1	28'-11"			Str.
S4100	1	1	1	1	29'-4"			Str.
S4101	47	47	47	48	6'-6"	6'-0"	4 1/2"	3"
S4102	1	1	1	1	7'-3"	6'-0"	1'-3"	3"
S4103				1	21'-11"	21'-5"	4 1/2"	3"
S4104				1	22'-11"	21'-7"	4 1/2"	3"
P401	16	24	24	16	6'-4"			2"
P402	16	24	24	16	7'-11"			2"
P403	12	18	18	12	5'-10"			2"
P404	12	18	18	12	3'-2"			2"
P405	8	12	12	8	9'-2"			Str.
P601	10	15	15	10	9'-2"			Str.
R401	4			4	7'-5"			2"
R402	4			4	7'-6"			2"
R403	8			8	3'-11"			2"
R404	6			6	9'-8"			Str.
R405	3			3	3'-2"			Str.
R601	6			6	8'-5"			4 1/2"
R602	3			3	5'-0"			Str.
S4105		23	24	24	28'-4"			Str.

S401-S424, S426-S448
S450-S472, S474-S498
S4101 S4103 S4104

$S410, S4105, S4104$

 $S425, S449, S473, S4102,$
 $S504, S5081, S5121$

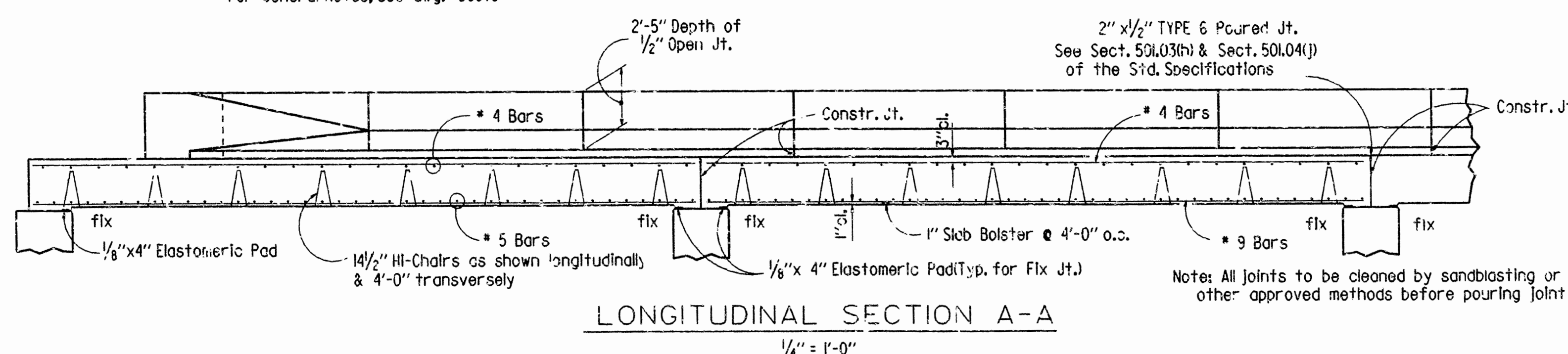
For Bending Diagrams not shown, see dwg. 29973

Dimensions are out to out of bars.

Dimensions are out
to out of bars.

Note: For Details of slab cross-section, see dwg. 29973

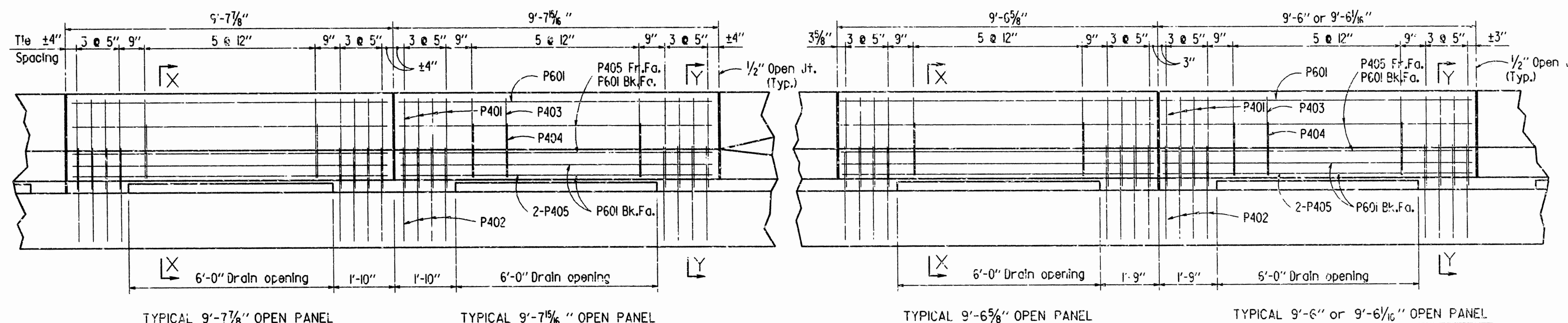
For General Notes, see dwg. 29973



① Revised: Added to No. Req'd. 7-12-89,LM
② Revised: Added Length to reinf. 7-12-89,LM
③ Revised: Added new reinf. 7-12-89,LM
④ Revised: Corrected bar designations in Bending Diagrams. 7-12-89, LM

NOTE: For transition roll details not shown,
see dwg. 29973

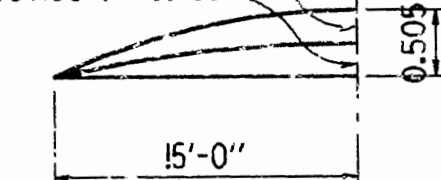
Transition rail



LONGITUDINAL SECTION AT CURB

$$1/2'' = 1' - 0'$$

Long Term Deflect = 0.336"
Immediate Deflect. = 0.169"



DEAD LOAD
CAMBER DIAGRAMS
N.T.S.

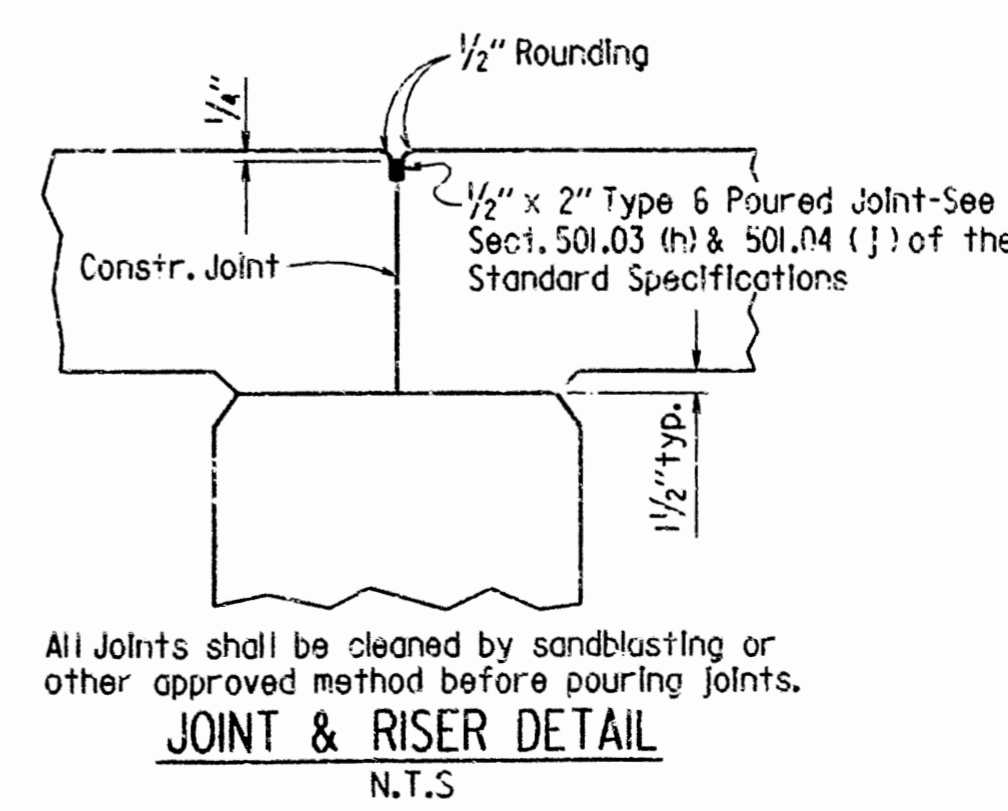
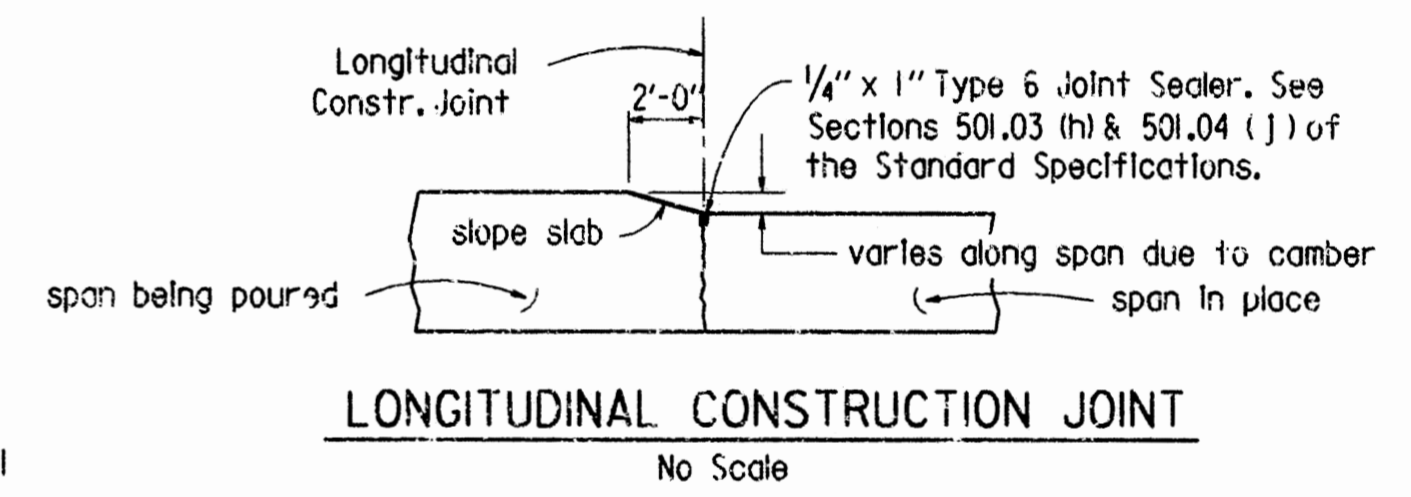
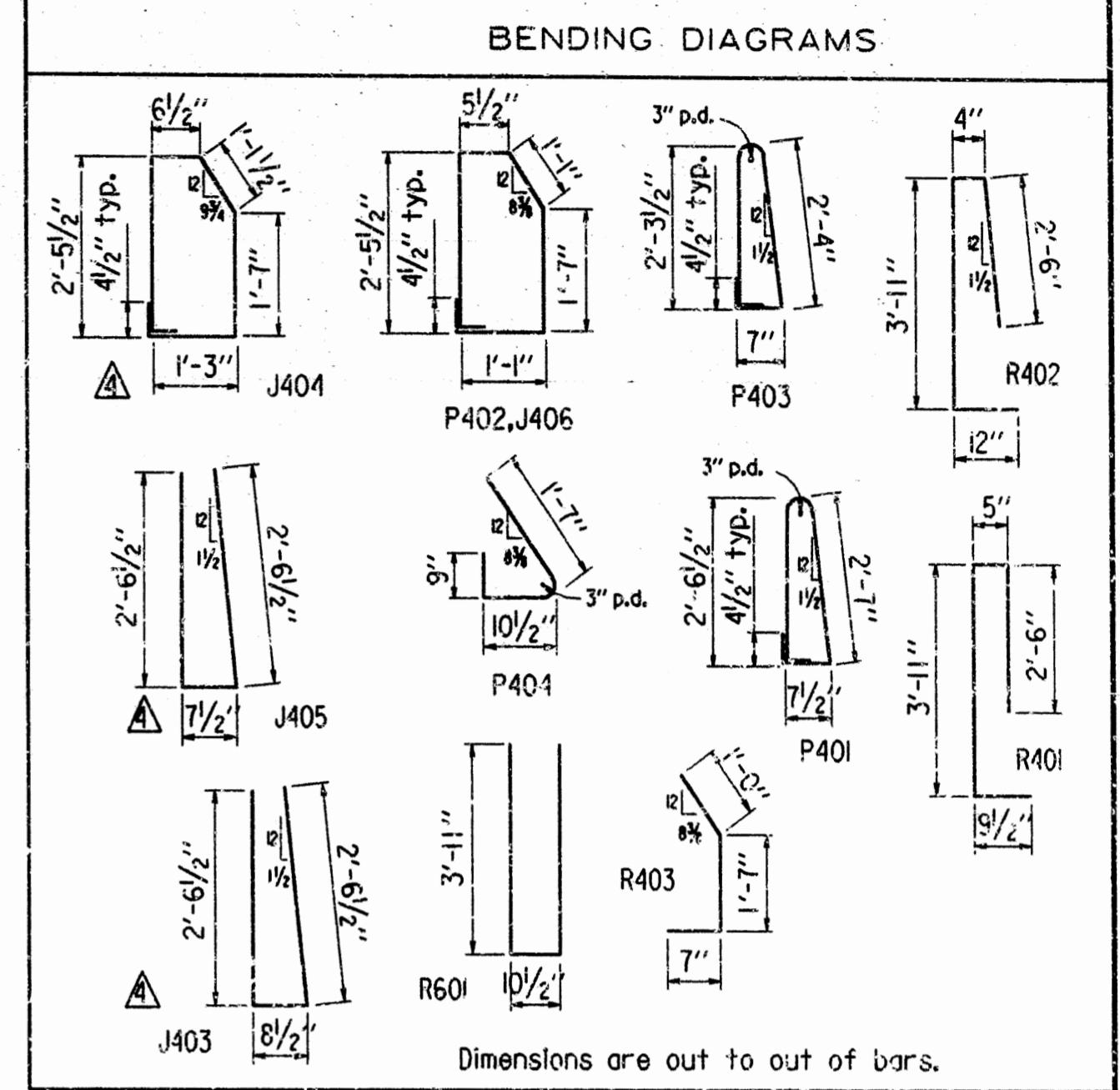
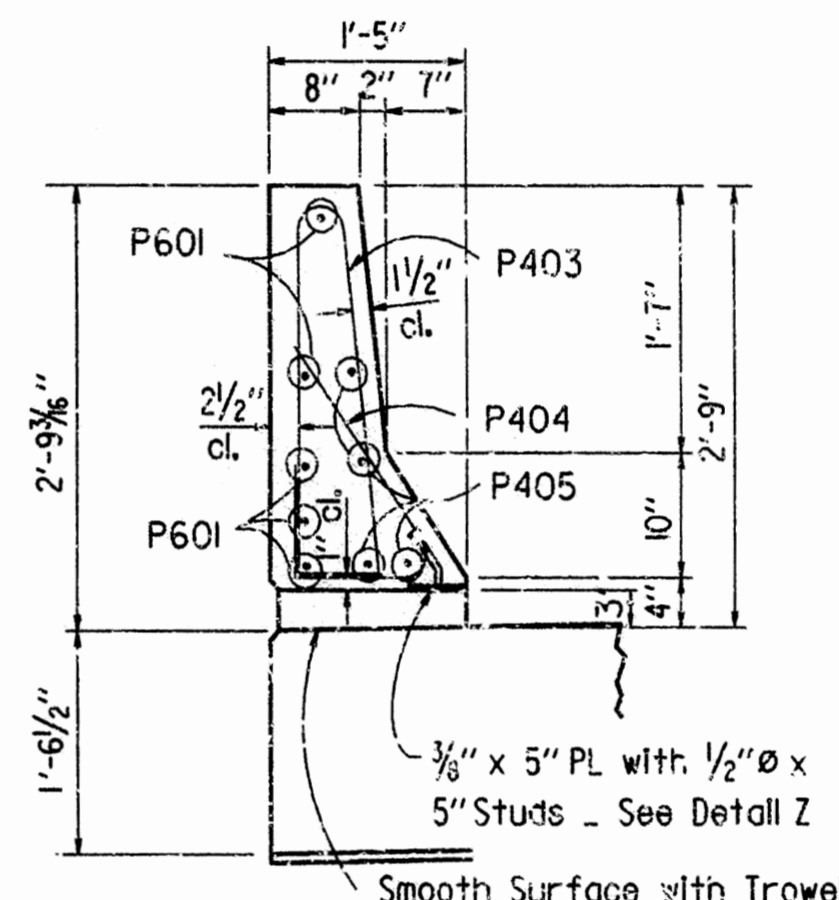
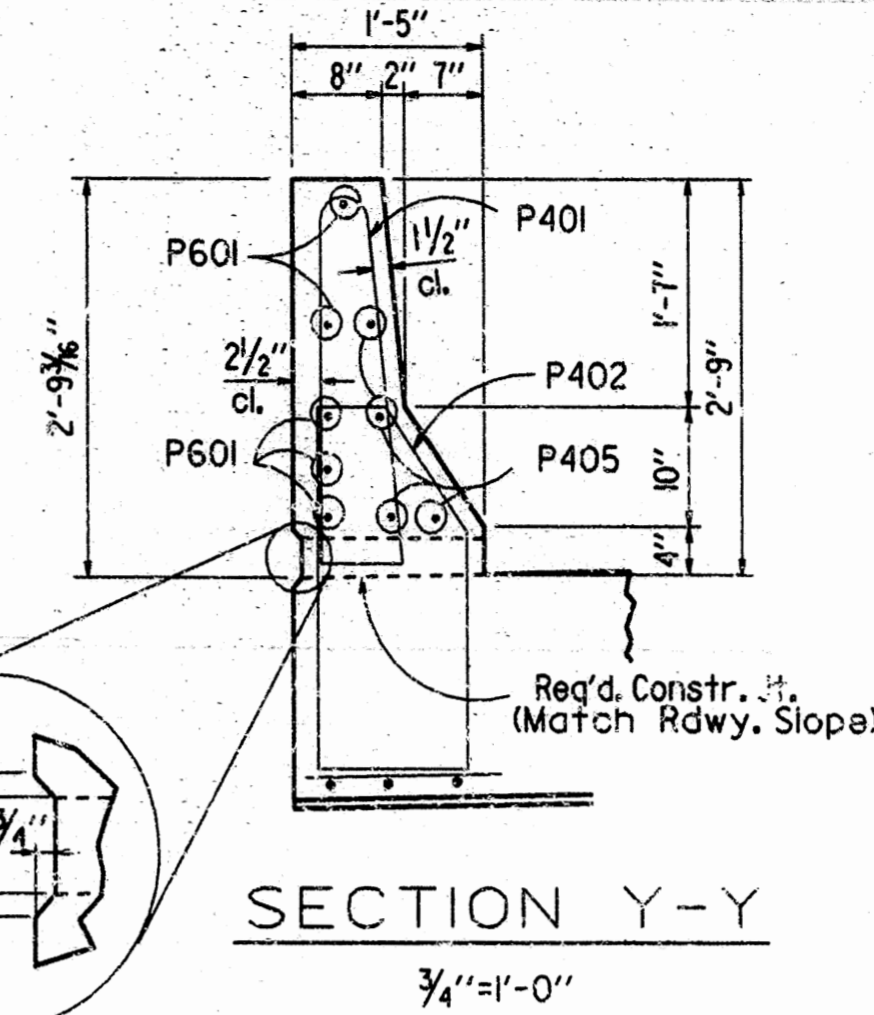
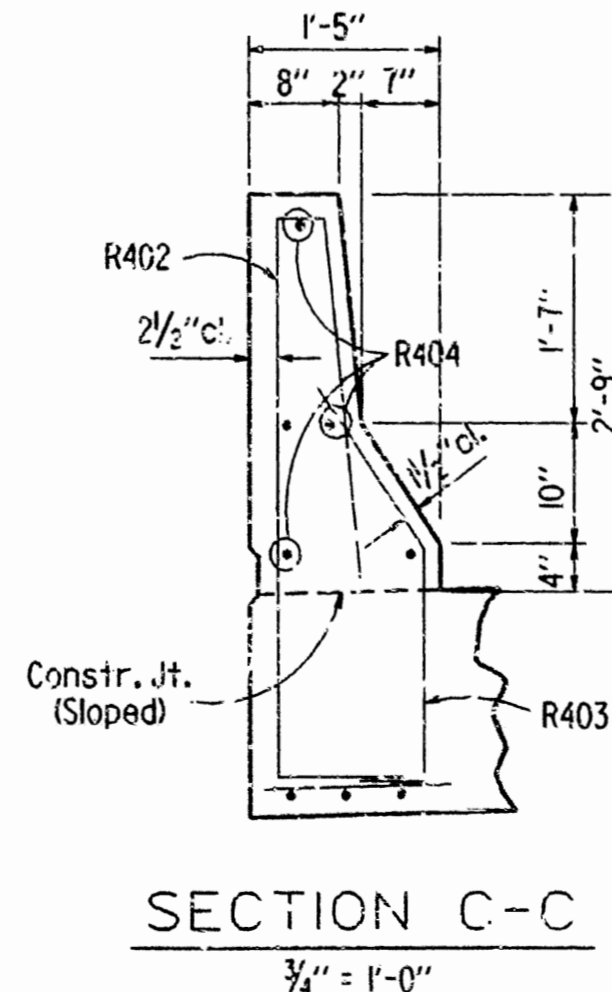
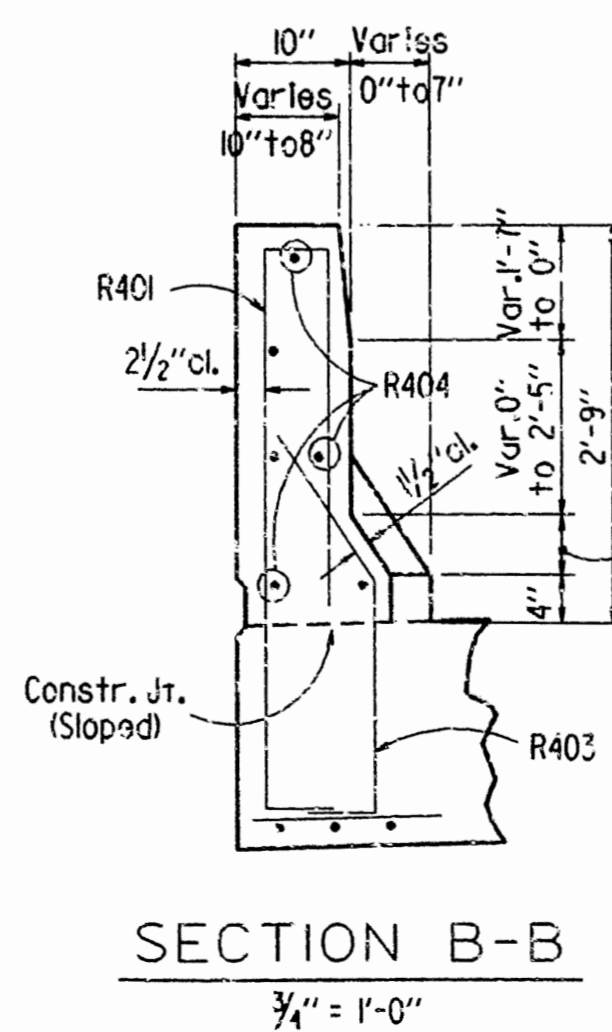
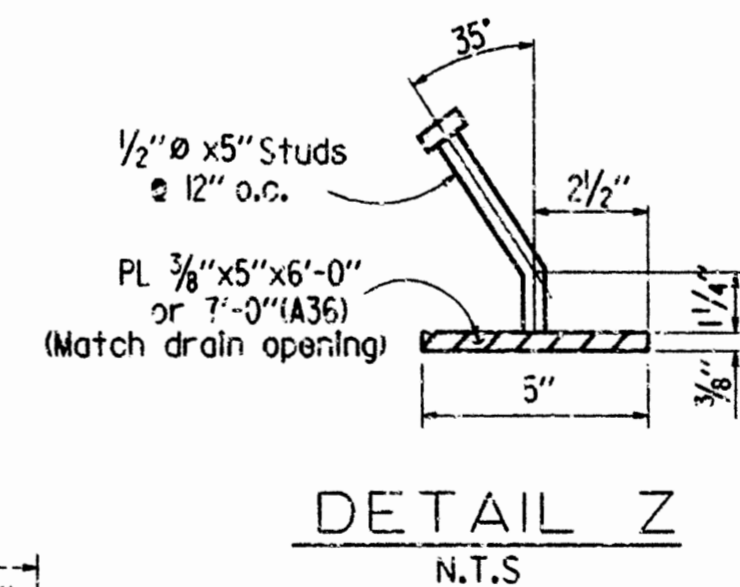
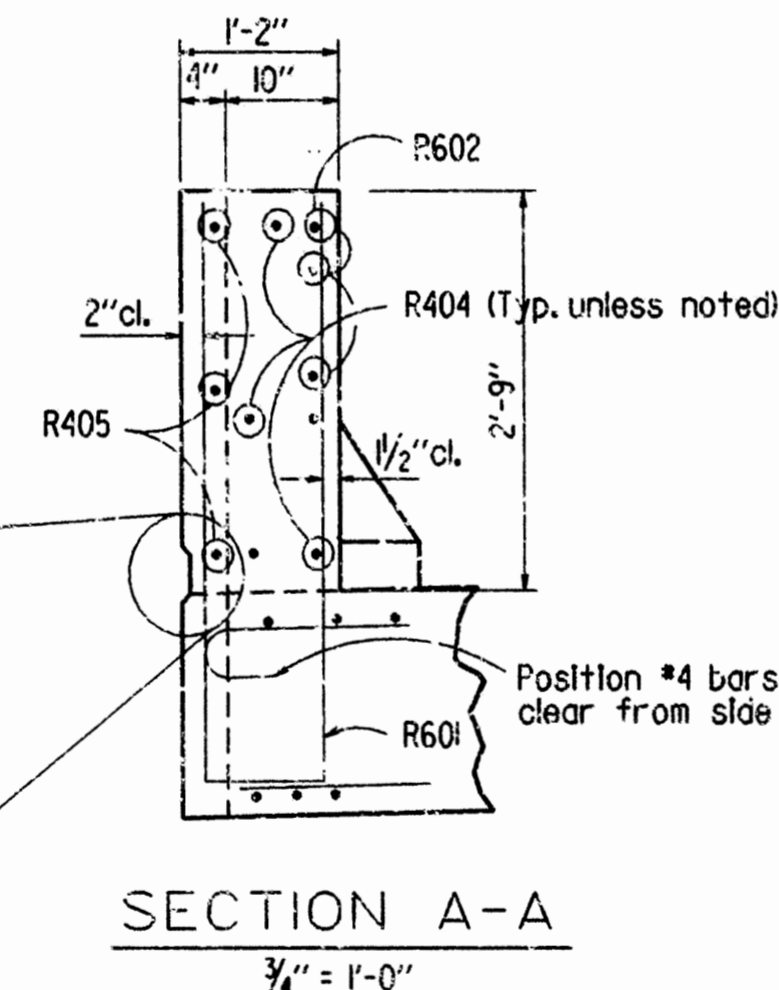
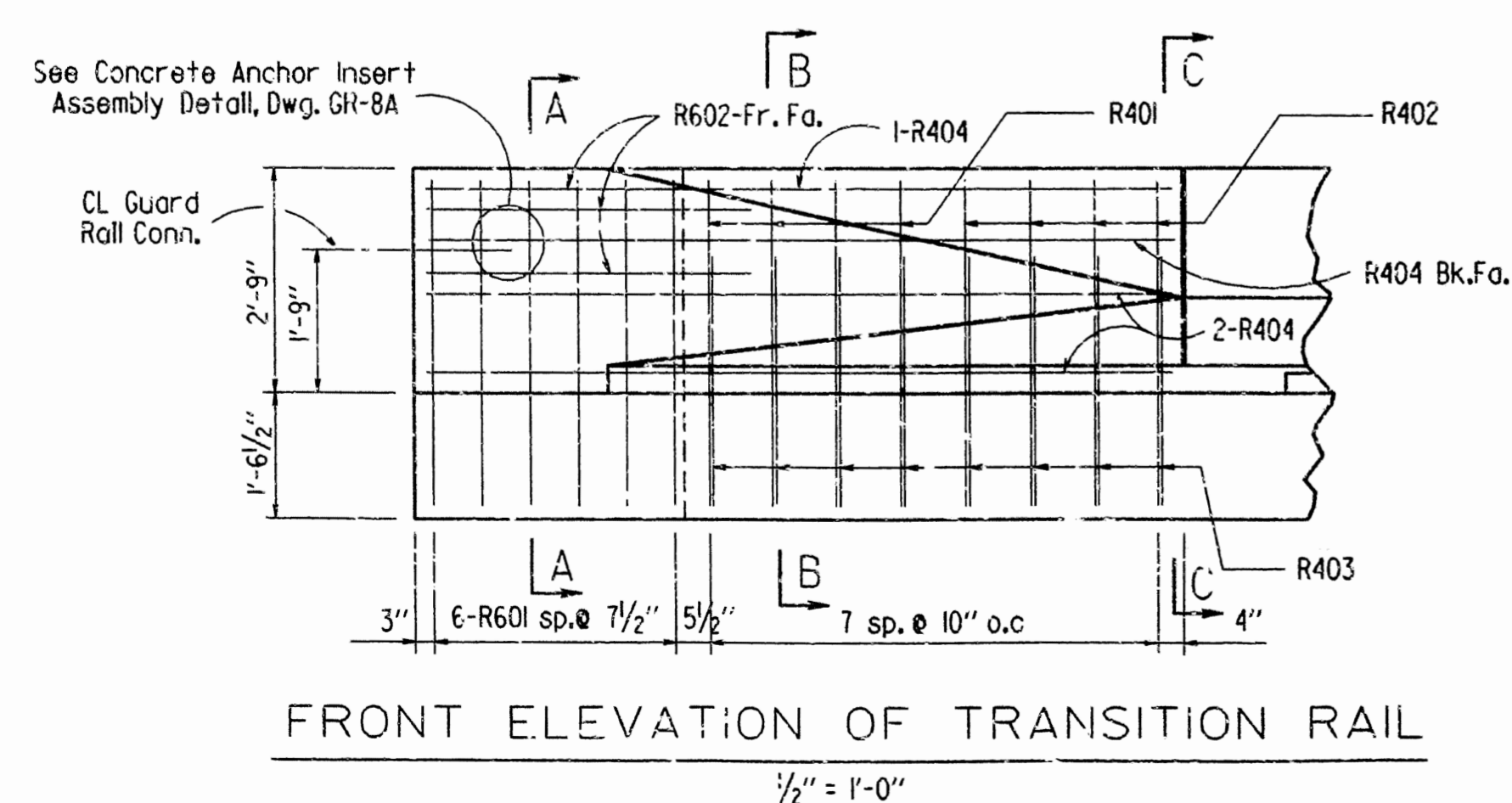
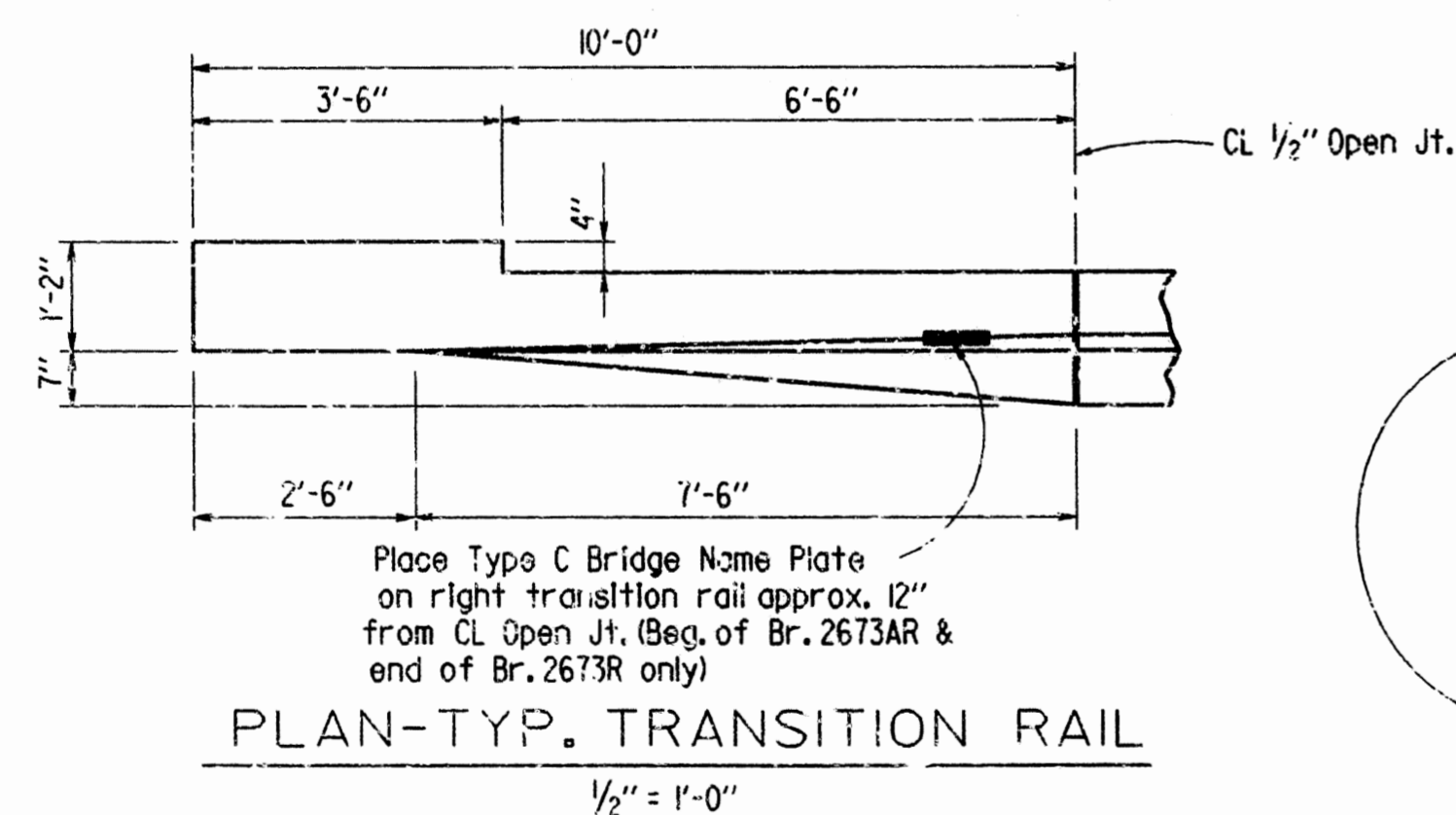
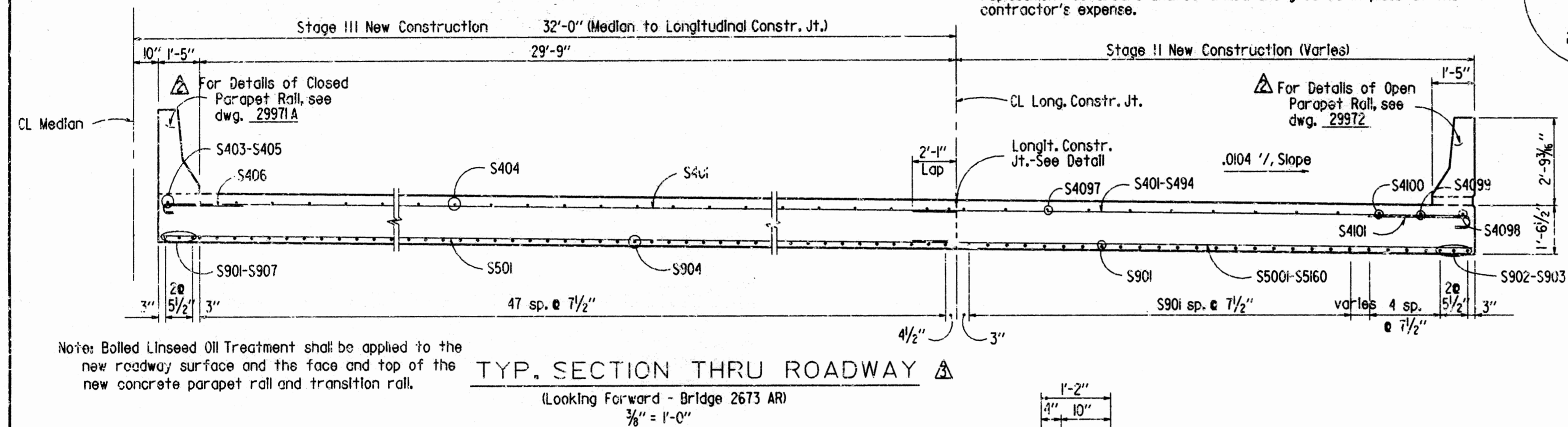
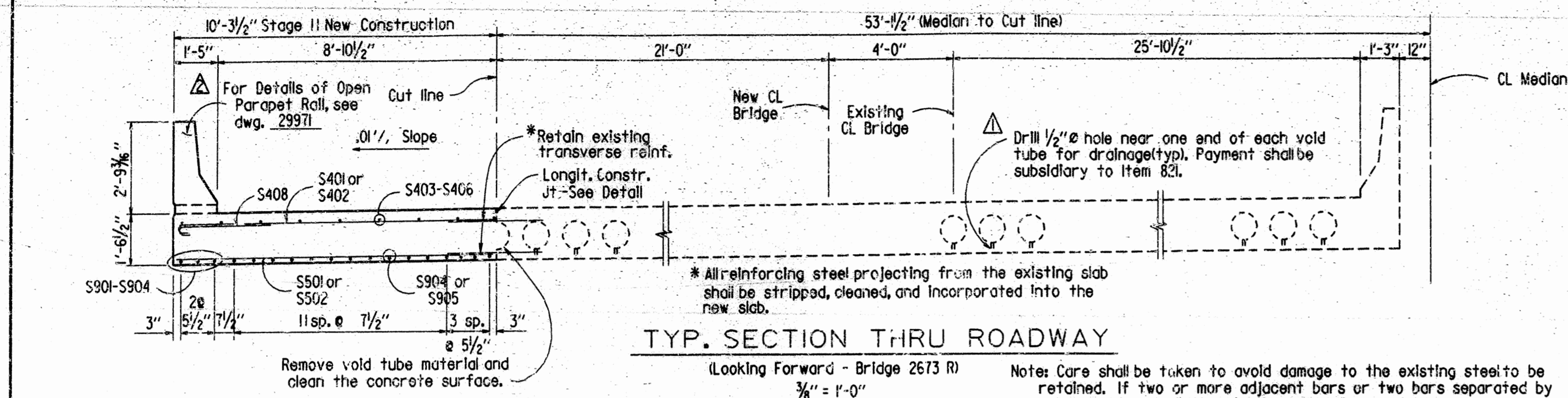
DETAILS OF 30'-0" R.C. SLAB SPANS
BRIDGE 2673AR OVER TEN MILE BAYOU
CRITTENDEN COUNTY
ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION

DRAWN BY: L.M. DATE: 7-8-88
CHECKED BY: IMC DATE: 12-19-89 SCALE: As Shown
DESIGNED BY: D.H.P. DATE: 7-6-88
BRIDGE NO. 2673 AR DRAWING NO. 29912

BRIDGE ENGINEER

1 MMEE47 PBI0008A2 SII 1 550 3001 003

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
7-24-89	8-5-2-13-89			6	ARY.			
7-12-89	8-5-2-24-89				JOB NO.	RI0008	97	235
				2673 R & AR	SPAN		29973	



GENERAL NOTES

All concrete shall be Class S(AE). All exposed corners to be chamfered $\frac{1}{4}"$ unless otherwise noted. 28 day compressive strength of Class S(AE) Concrete = 4000 psi.

Reinforcing Steel to be ASTM A615 or A617, Grade 60.

Bar supports for reinforcing bars will not be paid for directly, but will be considered subsidiary to the item 'Reinforcing Steel'.

Structural Steel shall be measured and paid for as Class S(AE) Concrete.

Elastomeric Pad and Poured Joint shall be measured and paid for as Class S(AE) Concrete. Elastomeric material shall meet the requirements of Section 808.02 of the Standard Specifications and shall be in one piece for the full width and length of the bearing.

Specifications: Arkansas State Highway and Transportation Department Standard Specifications for Highway Construction, 1988 edition, with applicable Supplemental Specifications and Special Provisions.

Design Specifications: AASHTO Standard Specifications for Highway Bridges, 1983 edition, with current Interim specifications.

Design Live Loading: HS20 Method of Design: Load Factor

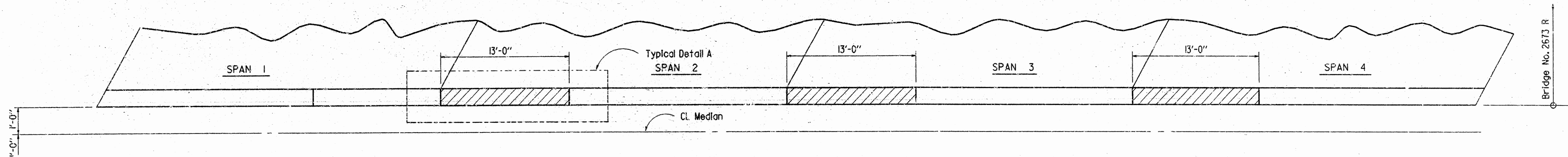
Dead Load: 266 w/sf (Includes 24 w/sf future surface).

Live Load: .174 $\text{wheels/ft.} + \text{impact}$

COMMON DETAILS FOR R.C. SLAB SPANS
FOR BRIDGES 2673AR & 2673R OVER
TEN MILE BAYOU
ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
DRAWN BY: L.W. DATE: 7-19-88
CHECKED BY: M.C. DATE: 12-19-88 SCALE: As Shown
DESIGNED BY: D.H.P. DATE: 7-6-88
BRIDGE NO. 2673 R & AR DRAWING NO. 29973

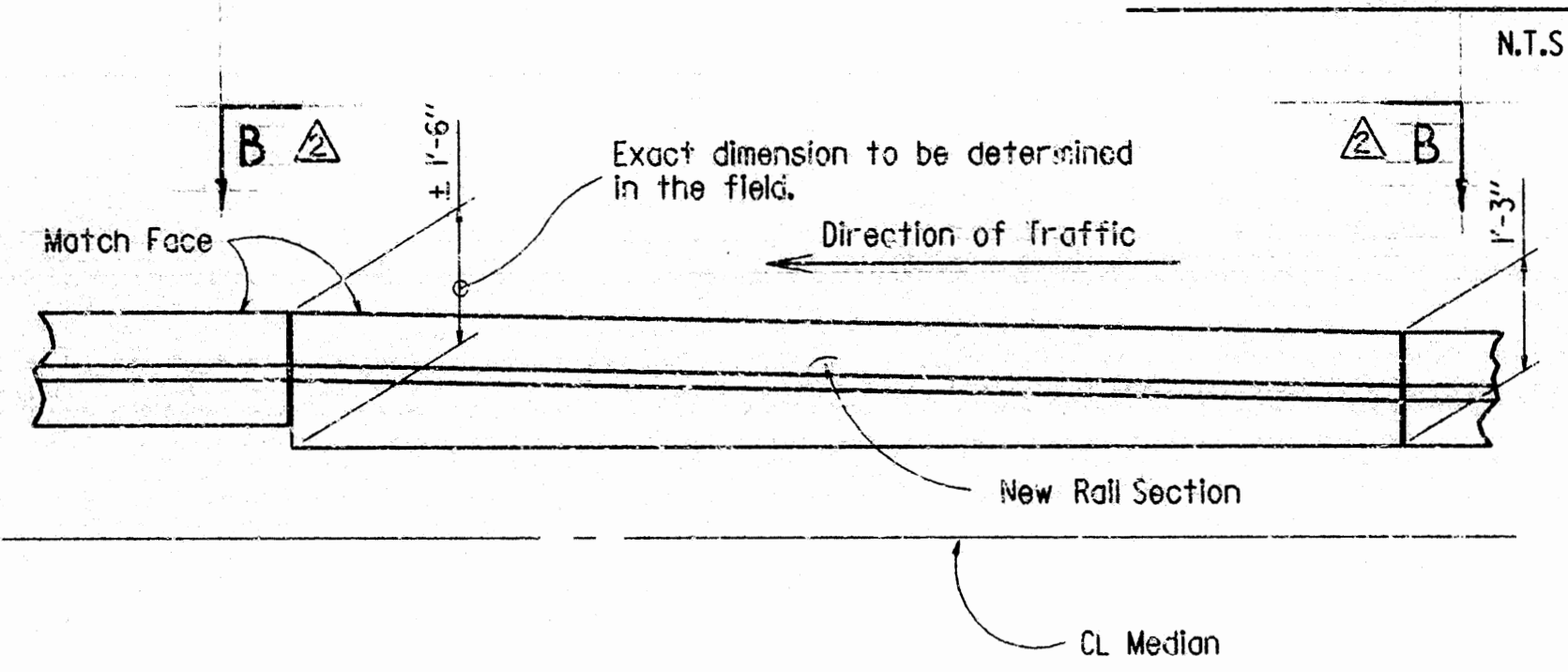
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7-12-89	8-17-89			6	ARK.			
				JOB NO.		RI0008	98	235

① 2673 R RAIL REPAIR 29974



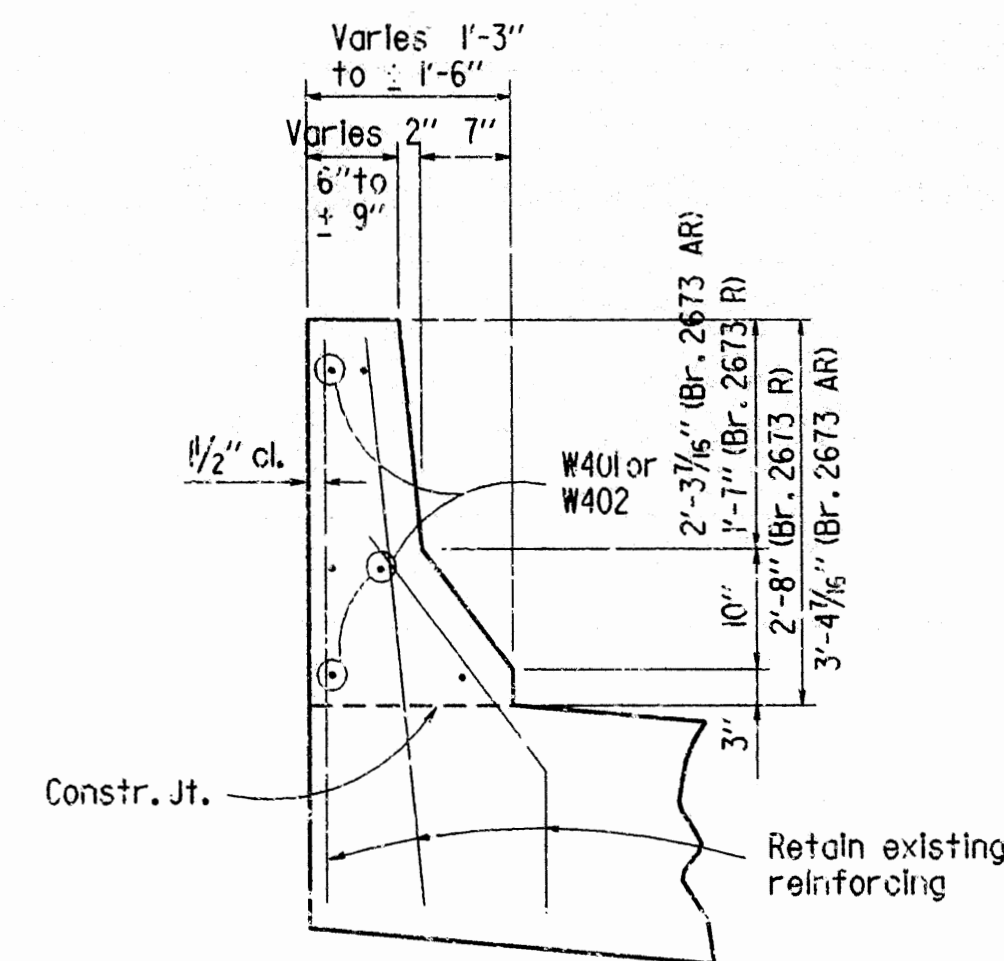
PLAN - PARAPET RAIL REPAIR

Note: Remove existing parapet rails that are shaded and replace with new rails as shown in Detail A



TYPICAL DETAIL A

N.T.S.

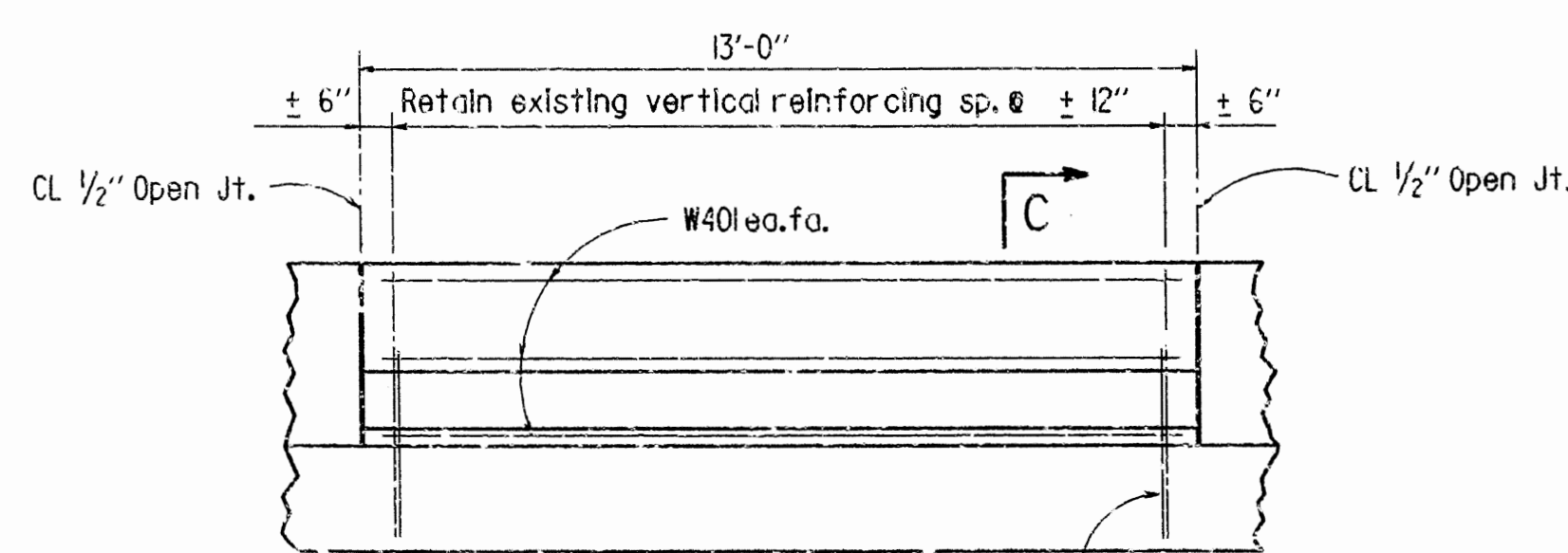


SECTION C-C

3/4" - 1'-0"

BAR LIST

Bridge No.	Mark	No. Req'd.				Length	Pin Dia.
		Span 1	Span 2	Span 3	Span 4		
2673 R	W401		6		6	12'-7"	Str.
	W402						



VIEW B-B

3/8" - 1'-0"

All reinforcing steel projecting from the existing slab into the new rail shall be stripped, cleaned, and incorporated into the new rail.

Note: Care shall be taken to avoid damage to the existing steel to be retained. If two or more adjacent bars or two bars separated by only one bar are broken in the concrete removal process, replacement dowel bars shall be drilled and grouted in place at the contractor's expense.

- REVISIONS:
- Removed detail. (DRB, 7-12-89)
 - Added View B-B identifier. (DRB, 7-12-89)
 - Removed portion of Bar List. (DRB, 7-12-89)
 - Removed Bridge No. 2673AR. (DRB, 7-12-89)

For General Notes, see Dwg. 29973

DETAILS OF MEDIAN PARAPET RAIL REPAIR
TEN MILE BAYOU

ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: L.M. DATE: 8-4-88
CHECKED BY: MEC DATE: 8-19-88 SCALE: As Shown
DESIGNED BY: DATE:
BRIDGE NO. 2673 R DRAWING NO. 29974

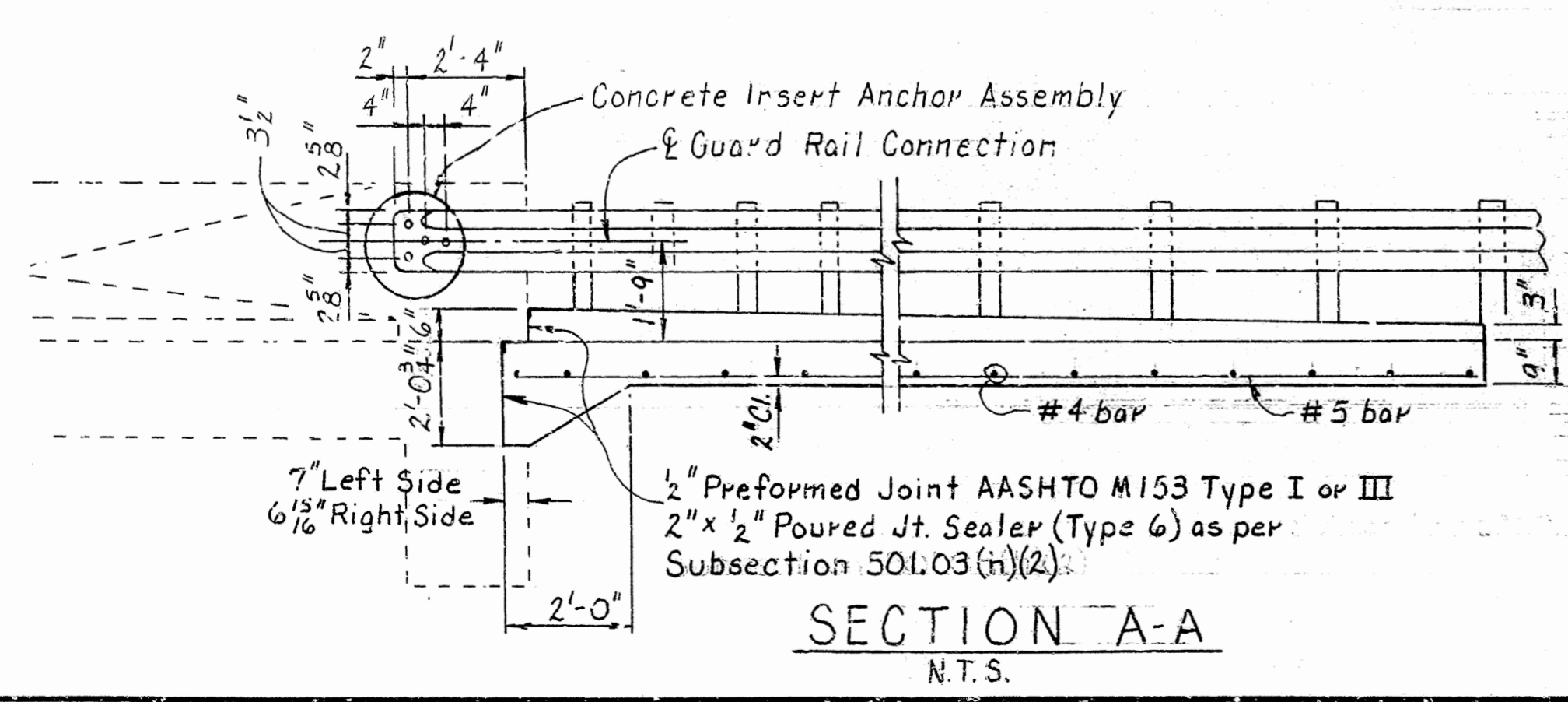
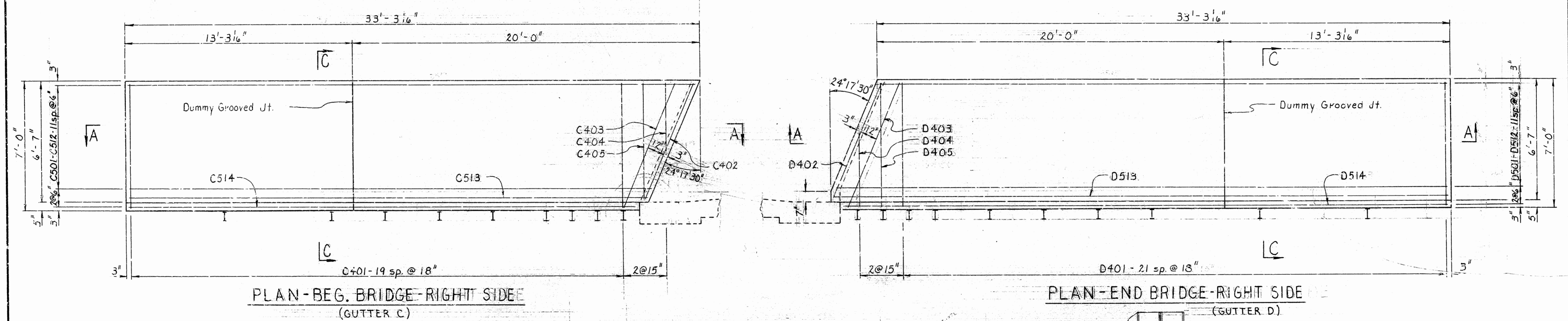
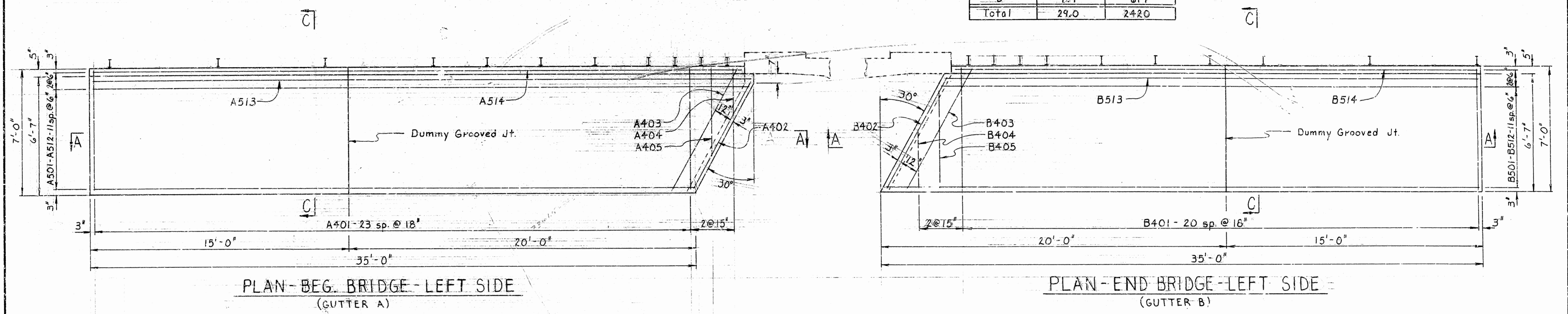
BRIDGE ENGINEER

LMM547,BII93LS53

1,300,550,1620

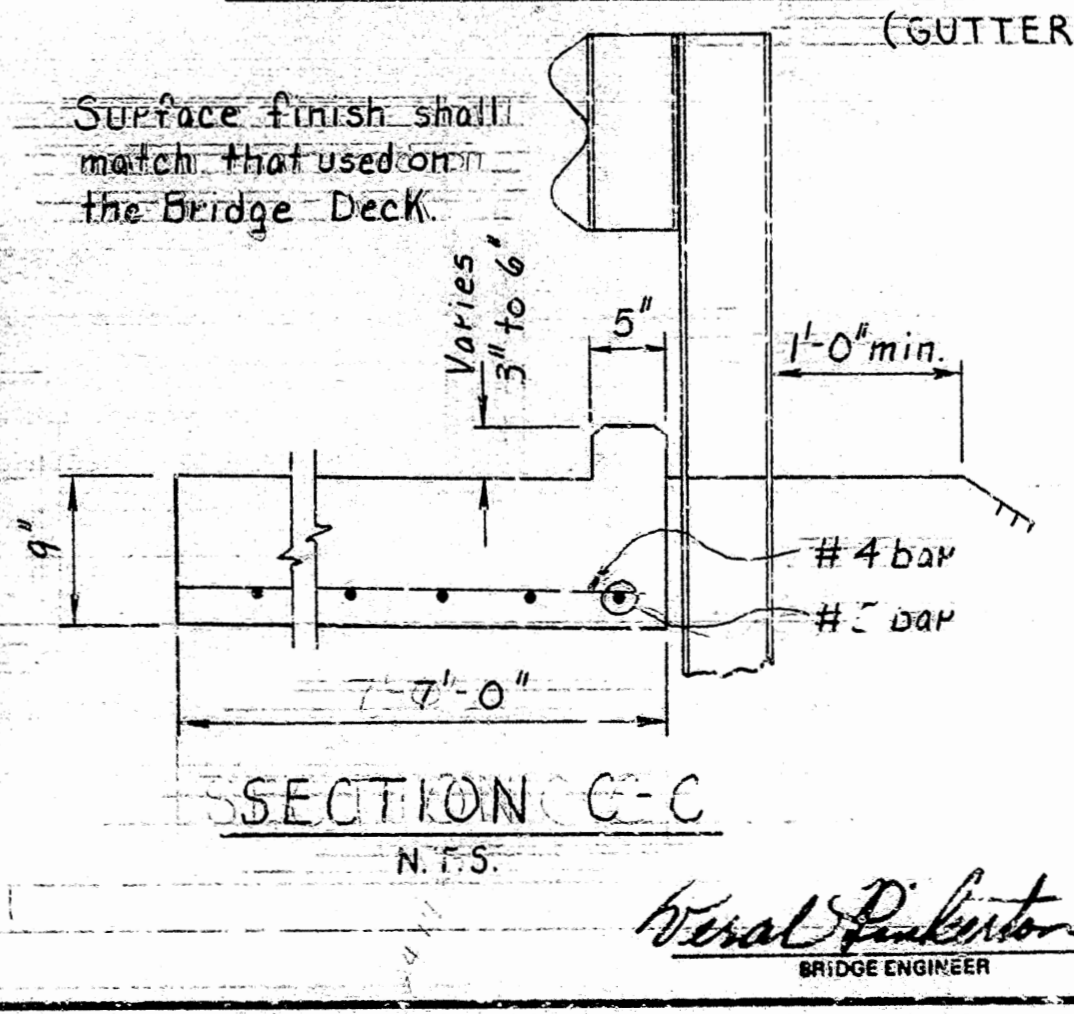
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				5	ARK.			
				JOB NO.	R10008	99	235	
				① 2673R & AR Gutters 29975				

QUANTITIES		
Approach Gutters	Concrete	Reinforcing
A	7.9	655
B	7.0	585
C	6.7	563
D	7.4	617
Total	29.0	2420



BAR LIST

Mark	No. Req'd	Length	Mark	No. Req'd	Length	Mark	No. Req'd	Length	Mark	No. Req'd	Length
A401	24	6'-8"	B401	21	6'-8"	C401	20	6'-8"	D401	22	6'-8"
A402	1	6'-8"	B402	1	7'-2"	C402	1	6'-10"	D402	1	6'-10"
A403	1	7'-8"	B403	1	7'-8"	C403	1	7'-3"	D403	1	7'-3"
A404	1	2'-7"	B404	1	3'-4"	C404	1	3'-11"	D404	1	4'-3"
A405	1	4'-9"	B405	1	5'-6"	C405	1	6'-3"	D405	1	6'-8"
A501	1ea.	34'-9"	B501	1ea.	34'-6"	C501	1ea.	32'-9"	D501	1ea.	35'-0"
A512	1	37'-11"	B512	1	31'-3"	C512	1	30'-3"	D512	1	35'-6"
A513	1	38'-0"	B513	1	31'-0"	C513	1	37'-1"	D513	1	35'-7"
A514	1	37'-6"	B514	1	30'-3"	C514	1	29'-4"	D514	1	35'-0"



For General Notes See Dwg. 29976

DETAILS OF APPROACH GUTTERS
TEN MILE BAYOU

ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

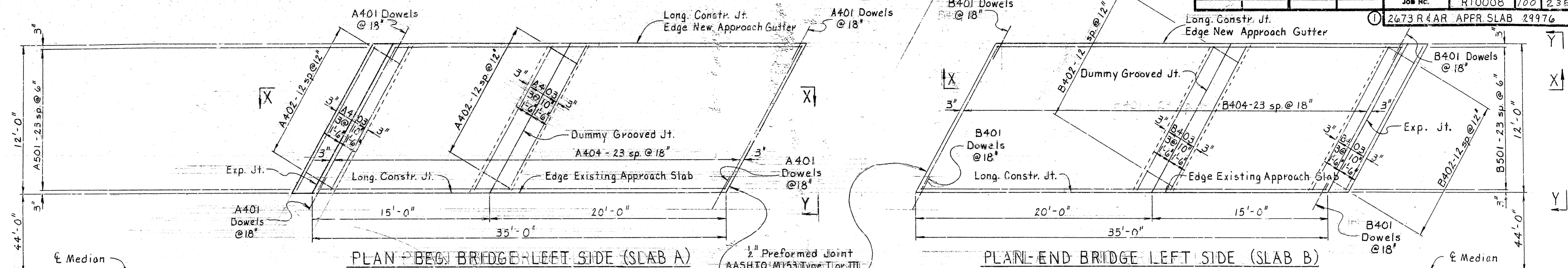
DESIGNED BY: D.H.P. DATE: 6-2-88
CHECKED BY: D.R.S. DATE: 8-19-88
DESIGNED BY: D.H.P. DATE: 2-16-88

BRIDGE NO. 2673R & AR DRAWING NO. 29975

SCALE: 3/8" = 1'-0" or as shown

BRIDGE ENGINEER

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
7-12-89	8-15-89			6	ARK.			
				JOB NO.	R10008 100 236			
Long. Constr. Jt.				2673	R&R APPR. SLAB		29976	



QUANTITIES

Approach Slabs	Concrete	Reinforcing
A	18.0	1293
B	18.0	1293
C	11.0	879
D	33.0	2365
Total	80.0	5630

GENERAL NOTES

CONCRETE SHALL BE CLASS S OR CLASS S(AE) OR MIXTURE USED FOR PORTLAND CEMENT CONCRETE PAVEMENT.

REINFORCEMENT STEEL SHALL CONFORM TO ASTM A651 OR A617. GRADE 60 ($E_s = 60,000$ PSI).

APPROACH SLABS AND APPROACH GUTTERS WILL BE MEASURED AND PAID FOR IN ACCORDANCE WITH SECTION 504 OF THE STANDARD SPECIFICATIONS.

DO NOT REPLACE EXISTING APPROACH SLABS AND GUTTERS WITH NEW APPROACH SLABS AND GUTTERS AS SHOWN. RETAIN REINFORCING STEEL EXTENDING FROM EXISTING APPROACH SLAB. PROVIDE ADDITIONAL DOWELS AS SHOWN. DOWEL BARS SHALL BE DRILLED AND GROUTED 18" INTO EXISTING CONCRETE USING 1" DIA. HOLES AND NON-SHRINK GROUT. CLEAN AND ROUGHEN CONTACT SURFACE TO INSURE A GOOD BOND. PAYMENT FOR PLACING DOWEL BARS WILL BE CONSIDERED SUBSIDIARY TO THE ITEM "APPROACH SLABS AND GUTTERS."

REVISIONS:

- △ Removed note. (DRB, 7-12-89)
- △ Added note. (DRB, 7-12-89)
- △ Revised note. (DRB, 7-12-89)
- △ Changed dimension. (DRB, 7-12-89)

DETAILS OF APPROACH SLABS
TEN MILE BAYOU

ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: D.H.P. DATE: 6-2-88
CHECKED BY: DRB DATE: 8-12-88
DESIGNED BY: D.H.P. DATE: 2-16-88
SCALE: $\frac{1}{4}" = 1'-0"$ or as shown

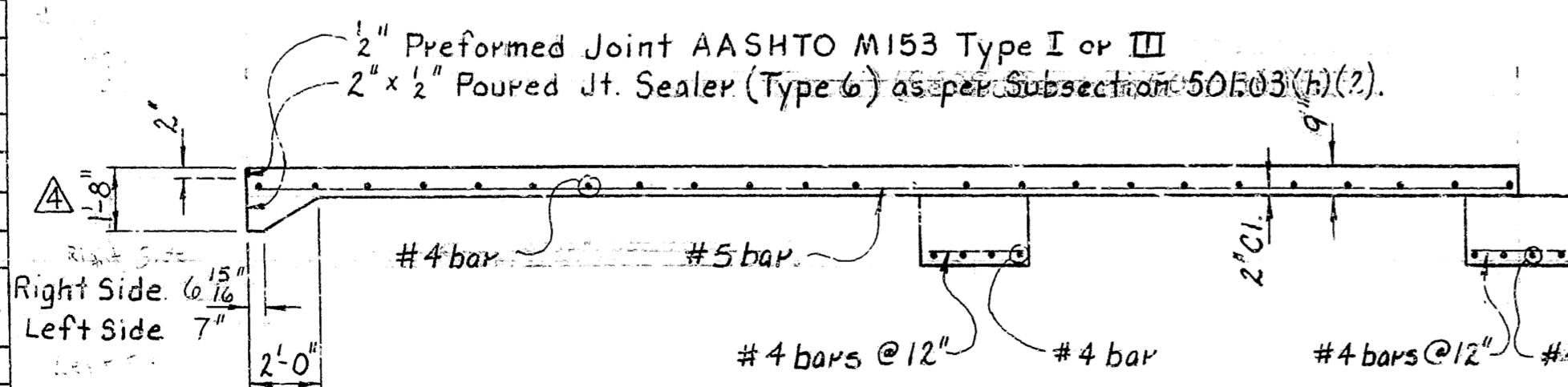
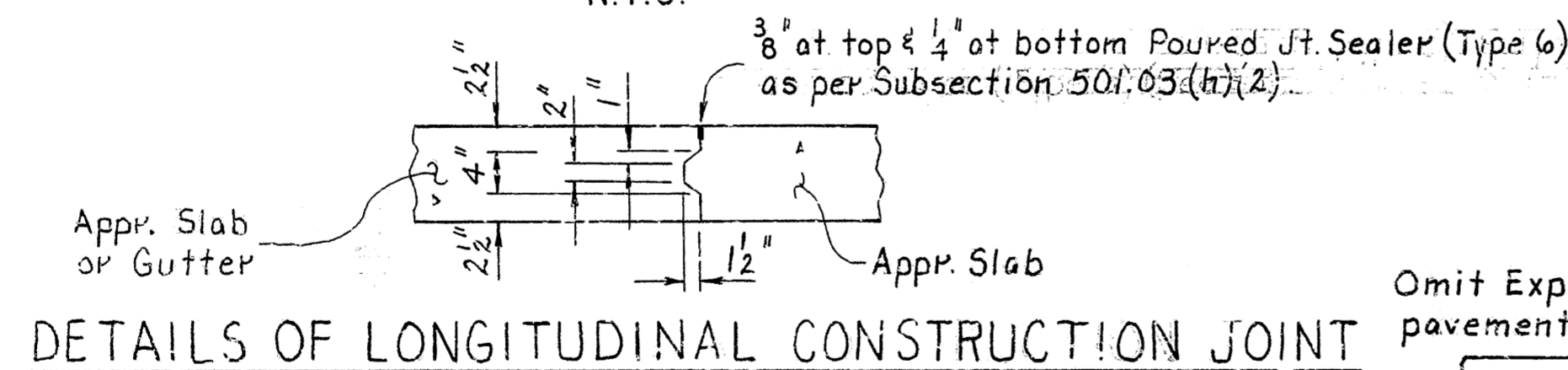
BRIDGE NO. 2673R&R DRAWING NO. 29976

BAR LIST

Mark	No. Req'd	Length
A401	48	3'-0"
A402	26	2'-7"
A403	8	13'-5"
A404	24	13'-5"
A501	24	34'-7"
B401	48	3'-0"
B402	26	2'-7"
B403	8	13'-5"
B404	24	13'-5"
B501	24	34'-7"
C401	46	3'-0"
C402	13	2'-7"
C403	4	6'-5"
C404	4	8'-0"
C405	1 ea	6'-7"
C428		10'-4"
C501	12	34'-7"
C502	2	32'-10"
C503	1	29'-3"
C504	1	24'-0"
C505	1	18'-8"
C506	1	13'-5"
D401	46	3'-0"
D402	51	2'-7"
D403	4	25'-6"
D404	4	27'-2"
D405	1 ea	23'-7"
D428		27'-4"
D501	41	34'-7"
D502	2	32'-10"
D503	1	29'-3"
D504	1	24'-0"
D505	1	18'-8"
D506	1	13'-5"

PLAN - BEG. BRIDGE RIGHT SIDE (SLAB C)

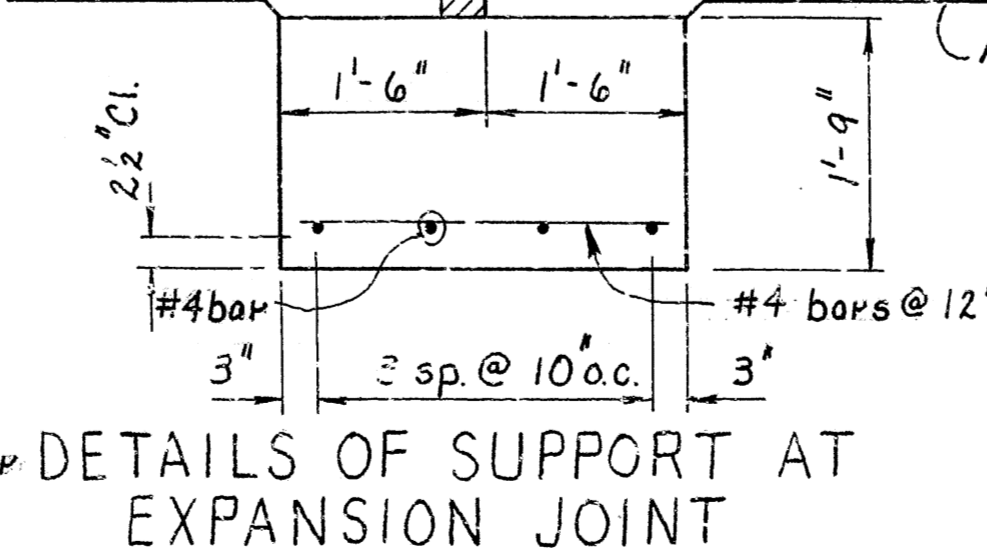
Match Slope of Bridge Deck
Surface finish shall match that used on the Bridge Deck

VIEW Y-Y
N.T.S.

PLAN - END BRIDGE RIGHT SIDE (SLAB D)

Omit Exp. Jt. when pavement is asphalt.

Type III joint as per Subsection 501.03(h)(1).



DETAILS OF DUMMY GROOVED JOINT

$\frac{3}{4}" = 1'-0"$

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	RI0008	101	235	
① 2673BR&CR - LAYOUT - 30321								

GENERAL NOTES

CONSTRUCTION SPECIFICATIONS: Arkansas State Highway and Transportation Department Standard Specifications for Highway Construction, 1988 edition, with applicable supplemental specifications and special provisions.

DESIGN SPECIFICATIONS: AASHTO Standard Specifications for Highway Bridges, 1983 with current interim specifications.

LIVE LOADING: HS20

METHOD OF DESIGN: Load Factor

DETAIL DRAWINGS:

DRAWING NO.

Bents 30322
Spans 30323-30324
Embankment Construction 1988A
Concrete Bearing Piling 1989
Guard Rail Connection BR-6 & GR-8A
Type C Bridge Name Plates 2387A
Approach Gutters 30325
Temporary Precast Barriers 1976B

BOILED LINSEED OIL: Boiled linseed oil treatment shall be applied to the roadway surface and to the face and top of the concrete parapet rail.

BRIDGE DECK: The concrete bridge deck shall be given a time finish as specified for final finishing in subsection 802.20 for Class 5 Bridge Roadway Surface Finish.

CONCRETE PILING: Piling for Bents 1 through 5 shall be 16" octagonal precast concrete and shall be driven with an approved air, steam, or diesel hammer to a minimum bearing of 44 ton per pile. Drive all piles to a minimum penetration of 20' below natural ground. Lengths of piling shown are based on the existing piling records. Order lengths shown, cut-off or build-up, if necessary, shall be paid for in accordance with the standard specifications.

In lieu of using 16" octagonal precast concrete piling, 16" square precast concrete piling may be used. New pile shape shall not be used.

The proposed work consists of widening the outer sides of both bridges; adding new approach gutters and modifying all existing bents; removing existing asphalt overlay; overlaying existing deck.

The contractor shall make check measurements of the existing bridge and make adjustments necessary to fit the new work to the existing structure.

All existing material not used in the finished structure shall become the property of the contractor.

For maintenance of traffic, see Job Special Provisions and Stage Construction Sequence.

Half-size plans of the existing bridge may be obtained upon request from the Bridge Division of the Arkansas State Highway and Transportation Department.

BORING LEGEND

- A. Medium Firm, Brown, Sandy, Clay.
- B. Medium Firm, Brown Clay (Wet).
- C. Medium Firm, Brown Sandy Clay (Wet).
- D. Medium Fine, Gray Sand & Clay, Medium Soft, Water Bearing.
- E. Medium Fine, Gray Sand, Water Bearing.
- F. Medium Coarse, Gray Sand, Comp., Water Bearing.
- G. Medium Fine, Gray Sand, Medium Comp., Water Bearing.
- H. Medium Coarse, Gray Sand.

HYDRAULIC DATA

Flood	Frequency	Discharge (cfs)	Natural Water Surface Elevation	Water Surface Elevation with Backwater Existing Embankment
Design	Q ₅₀	154	214.7	214.7
Base	Q ₁₀₀	161	215.0	215.0
Probable Maximum	Q ₅₀₀	251	215.4	215.4

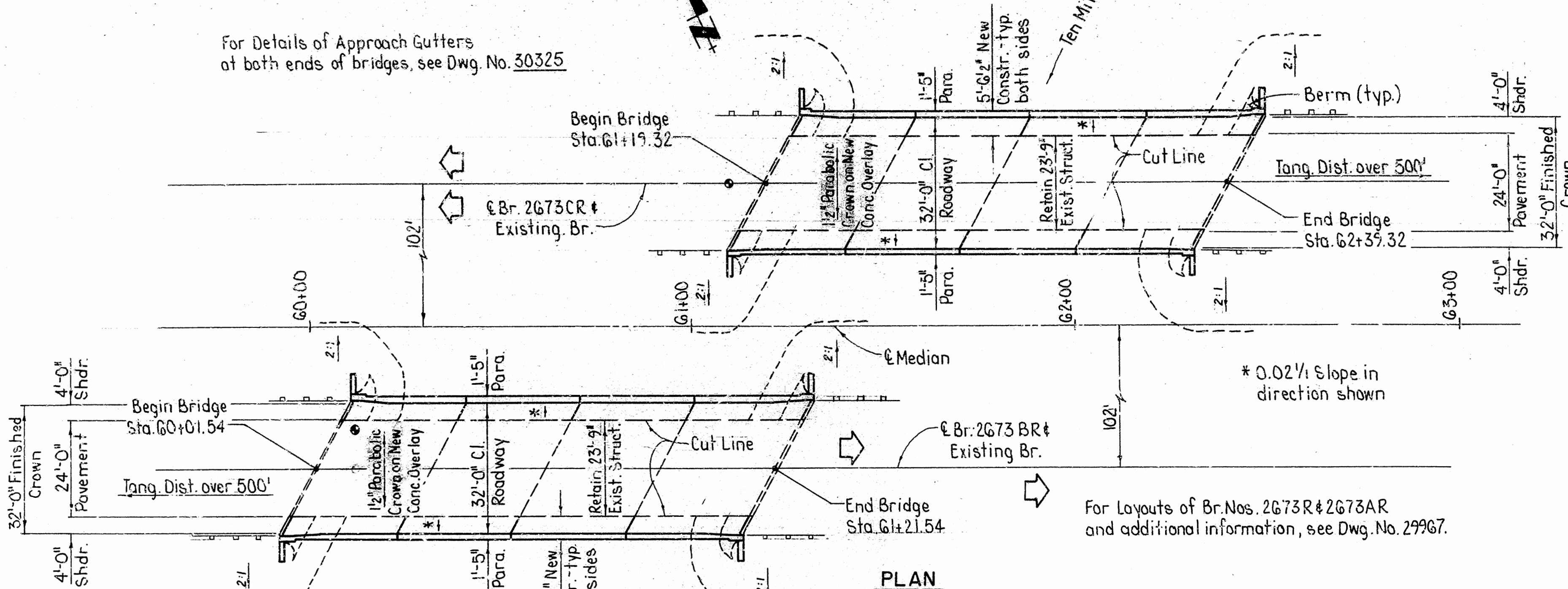
LAYOUT OF BRIDGE OVER
TEN MILE BAYOU
WEST MEMPHIS INTERCHANGE I-55
CRITTENDEN COUNTY
ROUTE 1-40, 155 SEC. 52

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: KDH DATE: 16 NOV 88
CHECKED BY: MEC DATE: 12-1-88
DESIGNED BY: D.H.F. DATE: 7-6-88

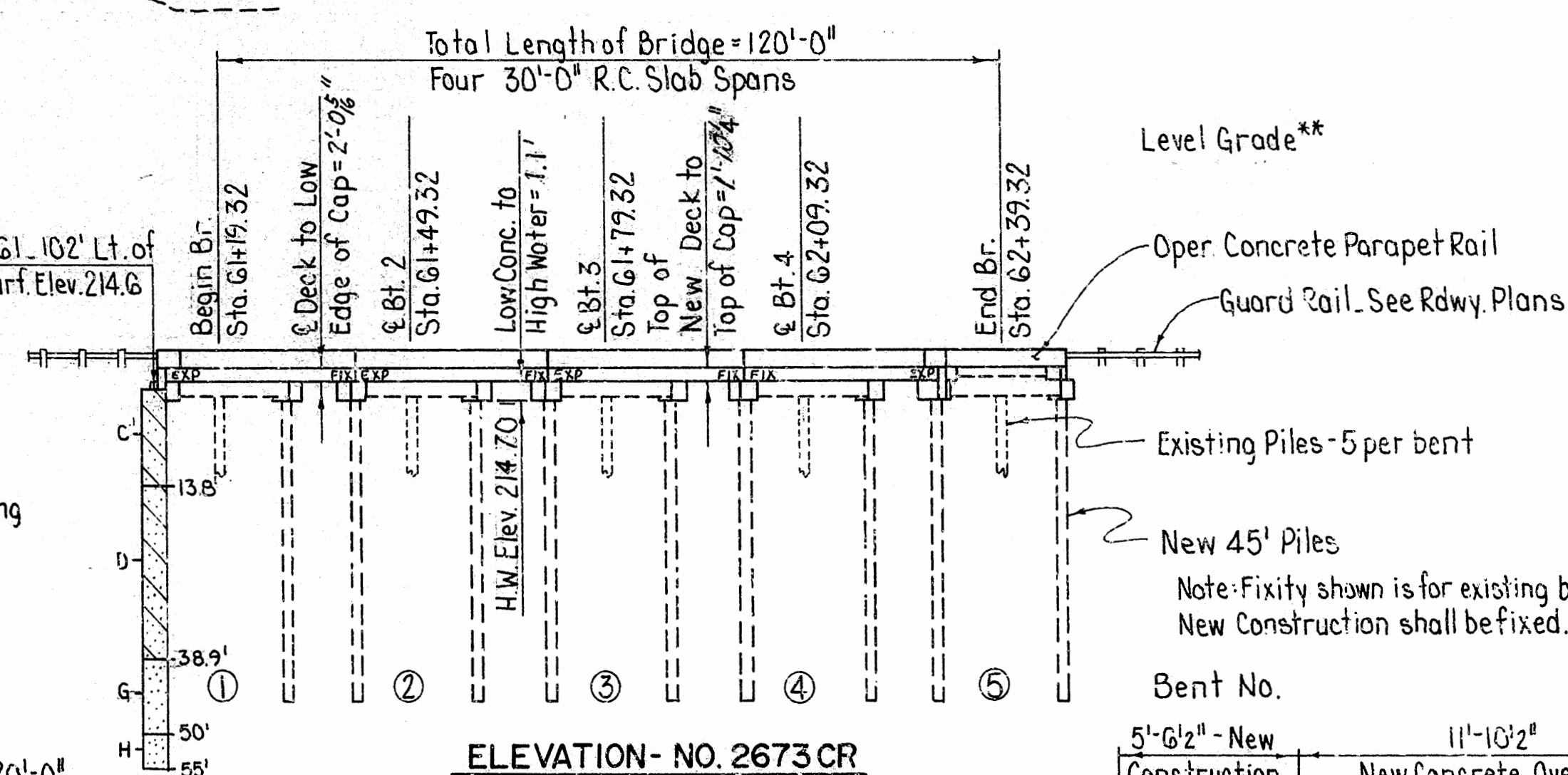
BRIDGE NO. 2673BR&CR DRAWING NO. 30321

For Details of Approach Gutters
at both ends of bridges, see Dwg. No. 30325

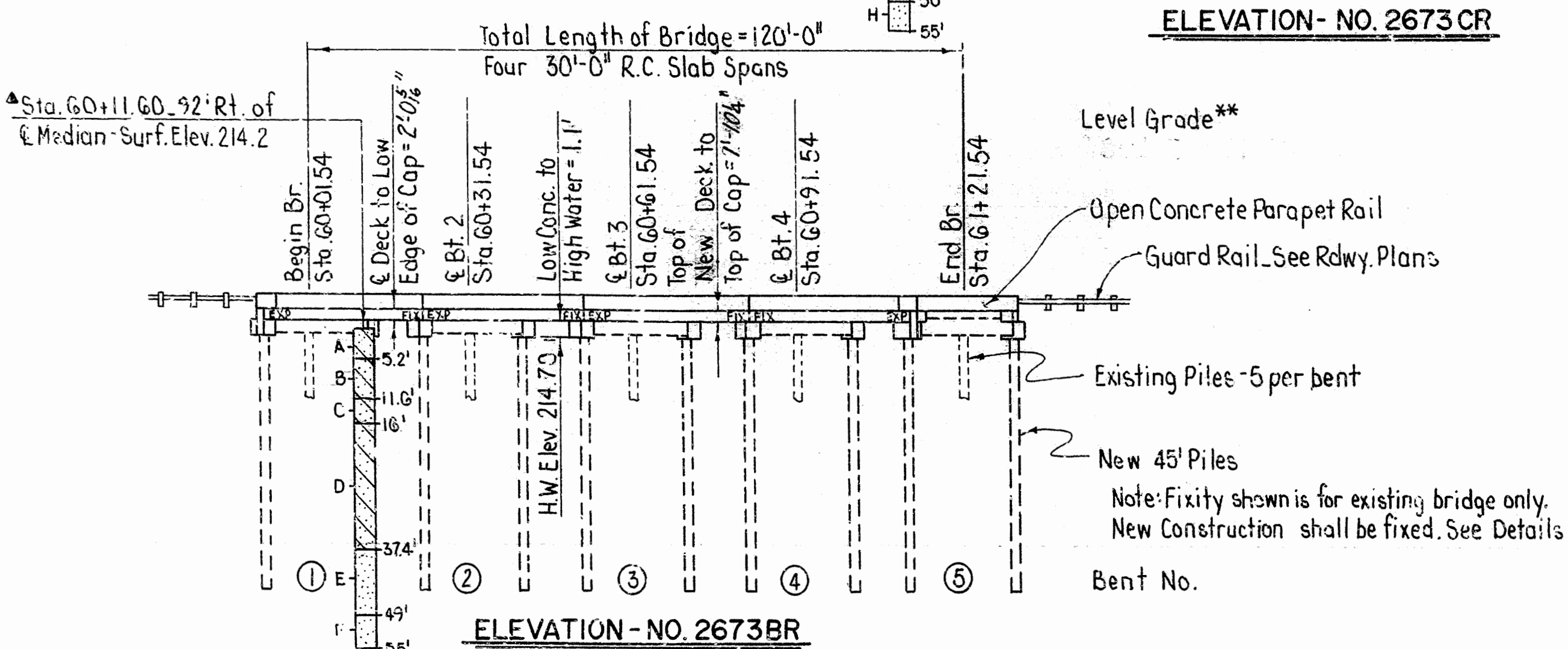


PLAN

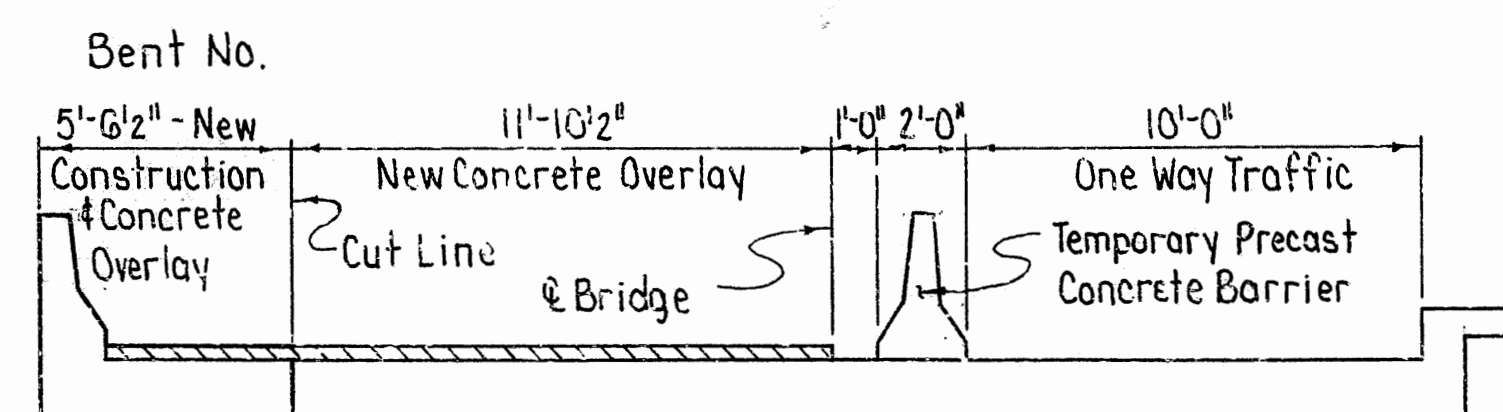
For Layouts of Br. Nos. 2673R & 2673AR
and additional information, see Dwg. No. 29967.



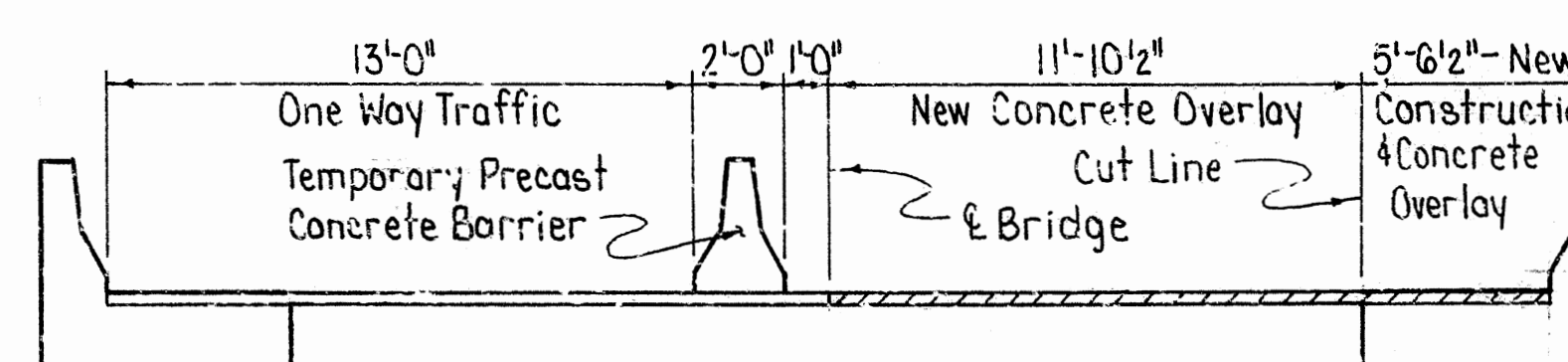
ELEVATION - NO. 2673 CR



ELEVATION - NO. 2673 BR



STAGE I CONSTRUCTION



STAGE II CONSTRUCTION

STAGE CONSTRUCTION SEQUENCE

No Scale

BRIDGE ENGINEER

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		RI0008	102	238

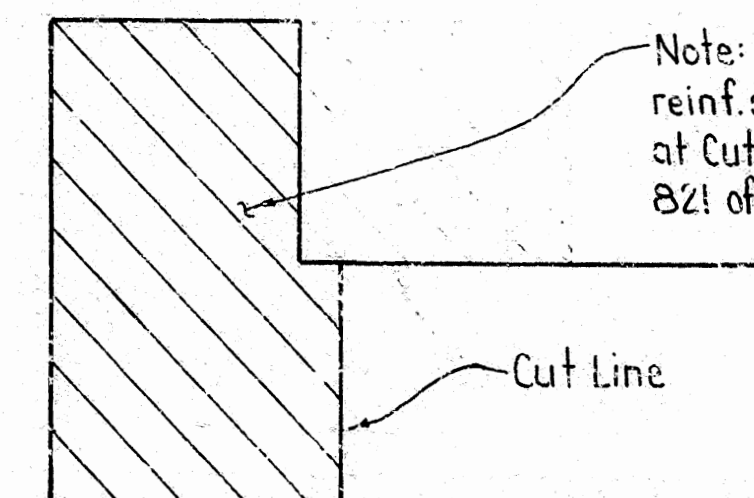
① 2673BR8CR-BENTS-30322

BAR LIST - PER BENT

MARK	NO. REQUIRED		LENGTH	A	B	P.D.	BENDING DIAGRAMS
	END	INT.					
B401	12	12	8'-8"			2"	
B402	6	6	6'-2"			2"	
B403	4	-	3'-11"			Str.	
B404	-	4	3'-8"			Str.	
W401	28	-	3'-11"			Str.	
W402	8	-	4'-8"			Str.	
W403	6	-	8'-0"	7'-6"	4'-2"	3"	
W404	1	-	2'-2"			Str.	
W405	3	-	3'-10"			Str.	
W406	6	-	7'-1"			3"	
D601	8	8	3'-0"			Str.	
D602	4	8	2'-6"			Str.	

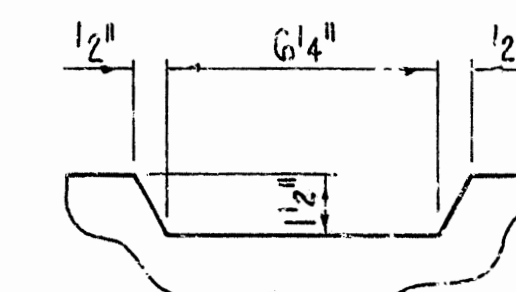
Dimensions are out to out of bars.

* D601 Dowel Bars shall not be paid for directly.
See Section 821 of the Standard Specifications.



REMOVAL DETAILS

No Scale



No Scale

GENERAL NOTES

All concrete shall be Class "S" with a minimum 28 day compressive strength $f'_c = 3500$ psi. Concrete shall be poured in the dry and all exposed corners to be chamfered $3/4"$ unless otherwise noted.

All reinforcing steel shall conform to ASTM A615 or A617, Grade 60 (yield strength = 60,000 psi.).

CONSTRUCTION SPECIFICATIONS: Arkansas State Highway and Transportation Department Standard Specifications for Highway Construction, 1988 edition, with applicable Supplemental Specifications and Special Provisions.

DESIGN SPECIFICATIONS: AASHTO Standard Specifications for Highway Bridges, 1993 with current interim specifications.

Payment for Type 2 Joint Filler shall be subsidiary to Class S Concrete.

Wings shall be poured after span is complete.

For additional information see layout.

DETAILS OF REMODELING BENTS
TEN MILE BAYOU

ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: KDH DATE: 7 DEC 88

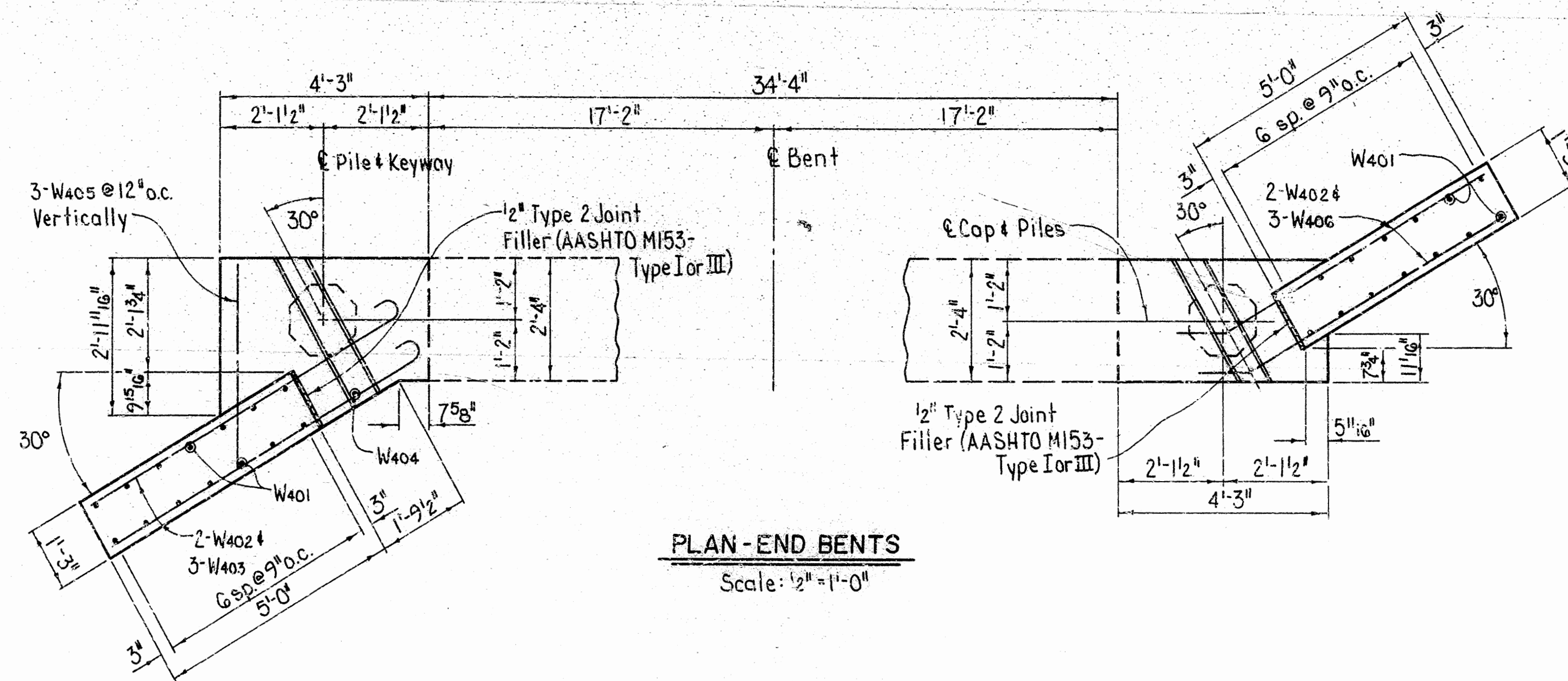
CHECKED BY: MLC DATE: 12-15-88

DESIGNED BY: DHP DATE: 7-6-88

SCALE: AS NOTED

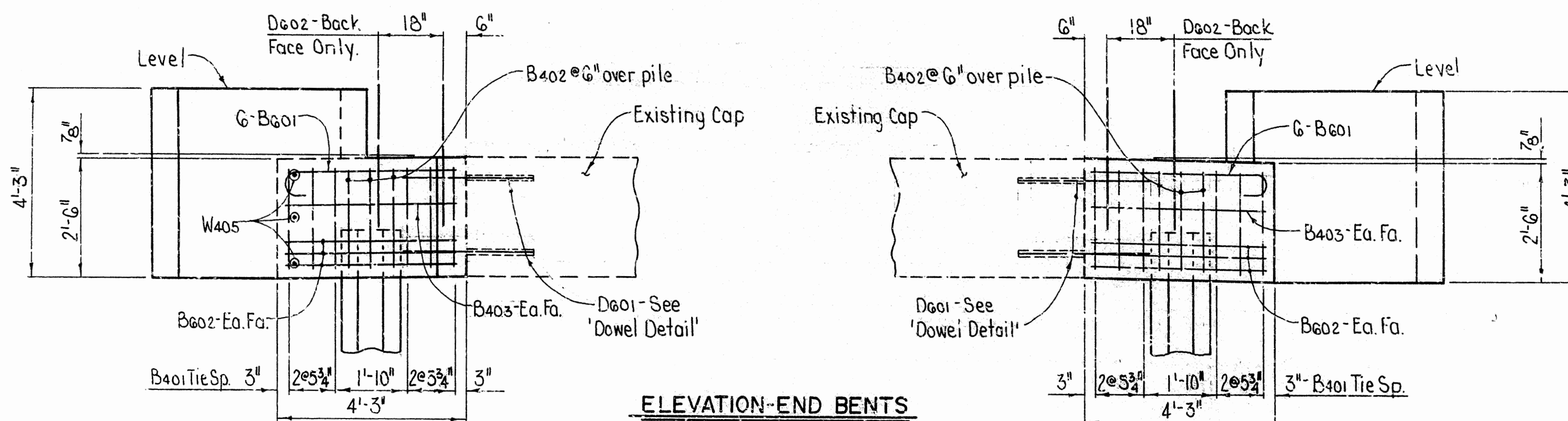
BRIDGE NO. 2673BR8CR DRAWING NO. 30322

Eric Pinkerton
BRIDGE ENGINEER



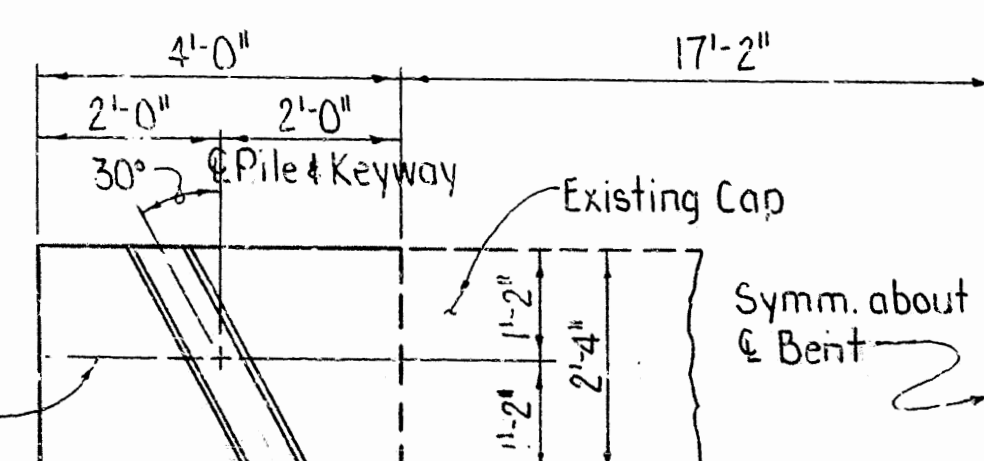
PLAN-END BENTS

Scale: 1/2" = 1'-0"



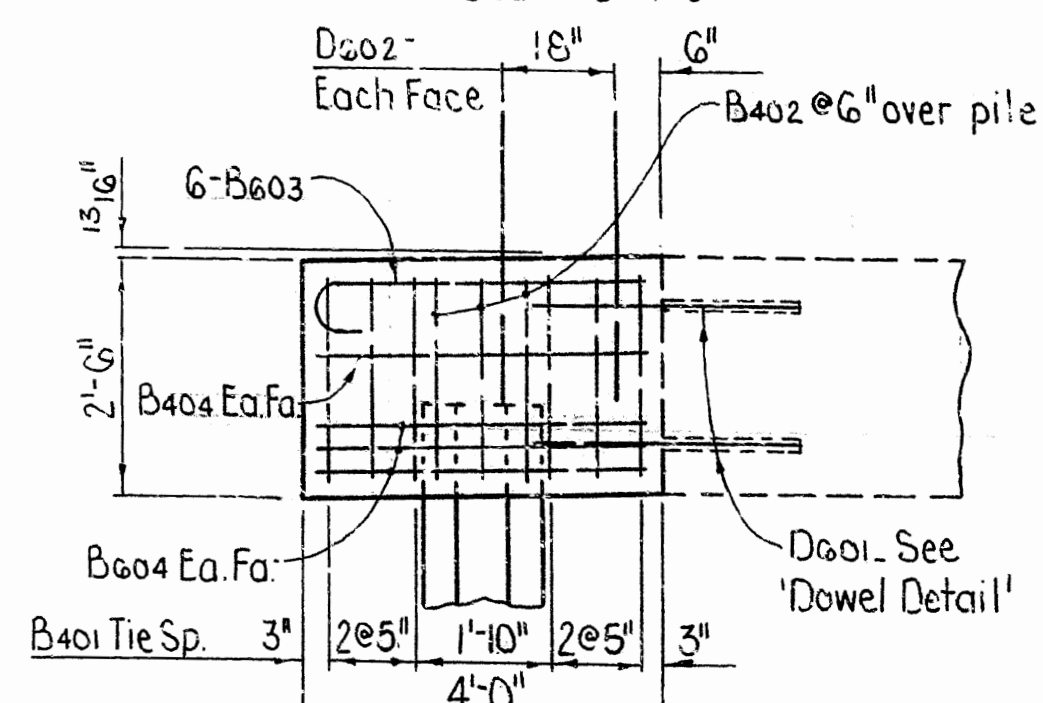
ELEVATION-END BENTS

Bent 1 - Looking Ahead
Bent 5 - Looking Back
Scale: 1/2" = 1'-0"



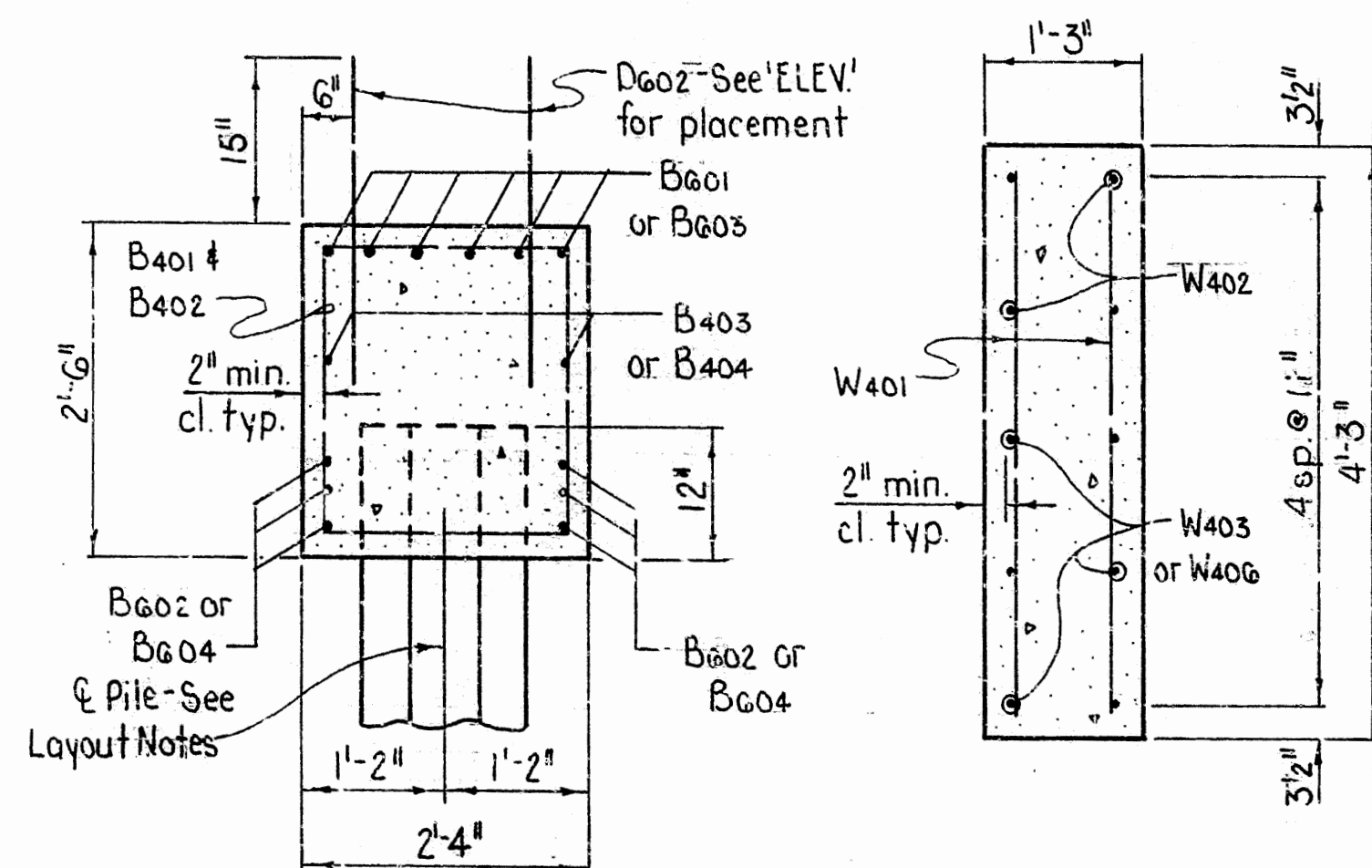
PLAN-INT. BENTS

Scale: 1/2" = 1'-0"



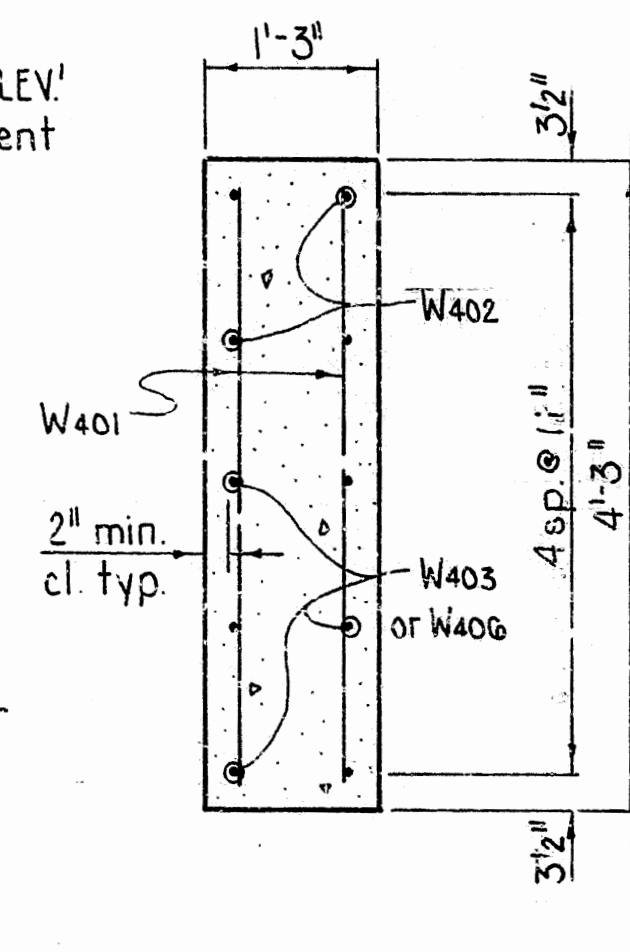
ELEVATION-INT. BENTS

Scale: 1/2" = 1'-0"



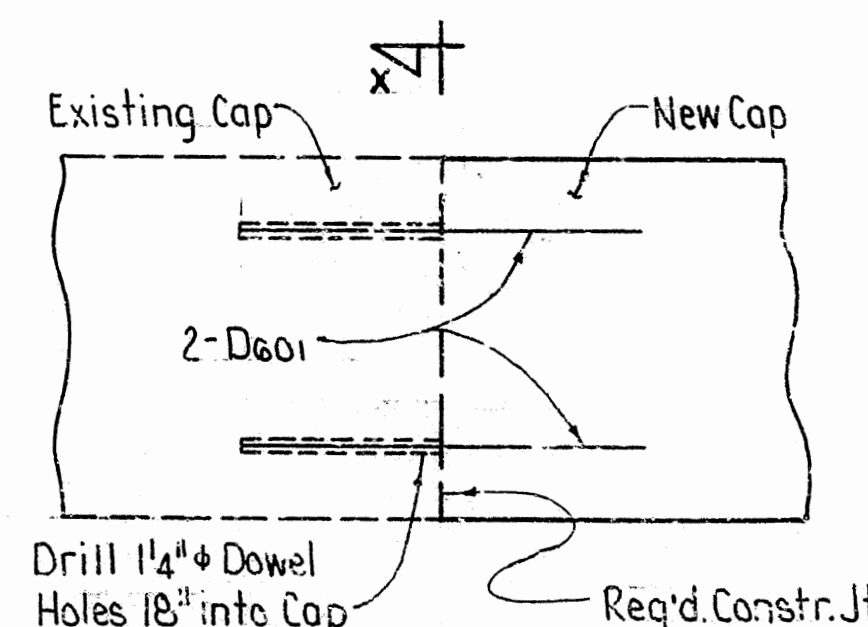
TYP. SECTION THRU CAP

Scale: 3/4" = 1'-0"



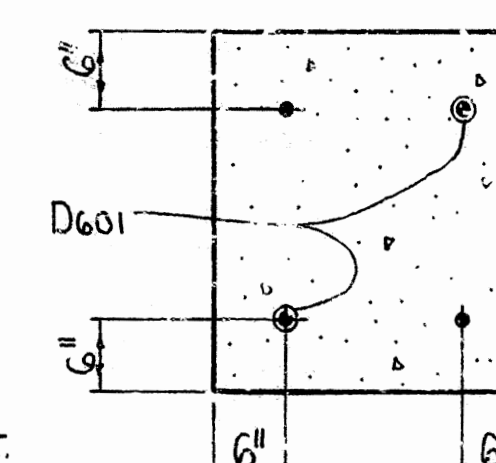
TYP. SECTION THRU WING

Scale: 3/4" = 1'-0"



DOWEL DETAIL

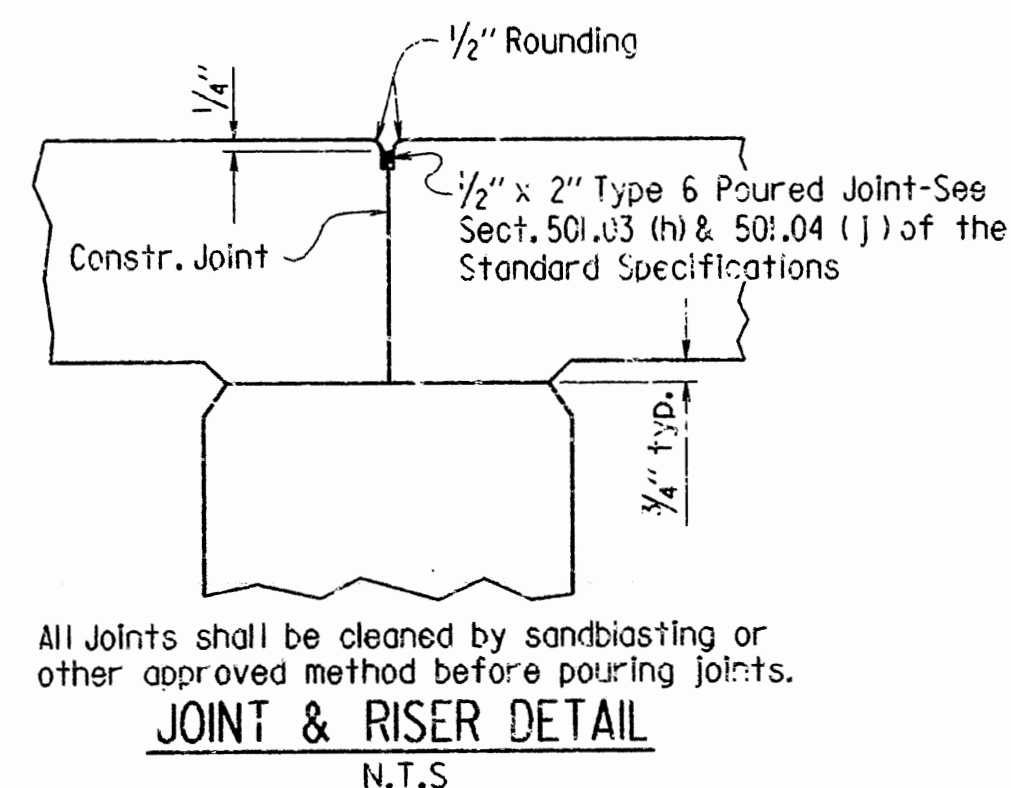
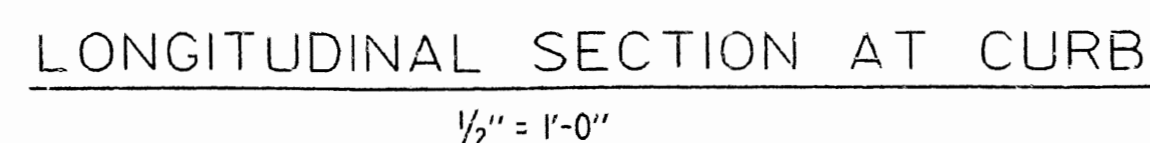
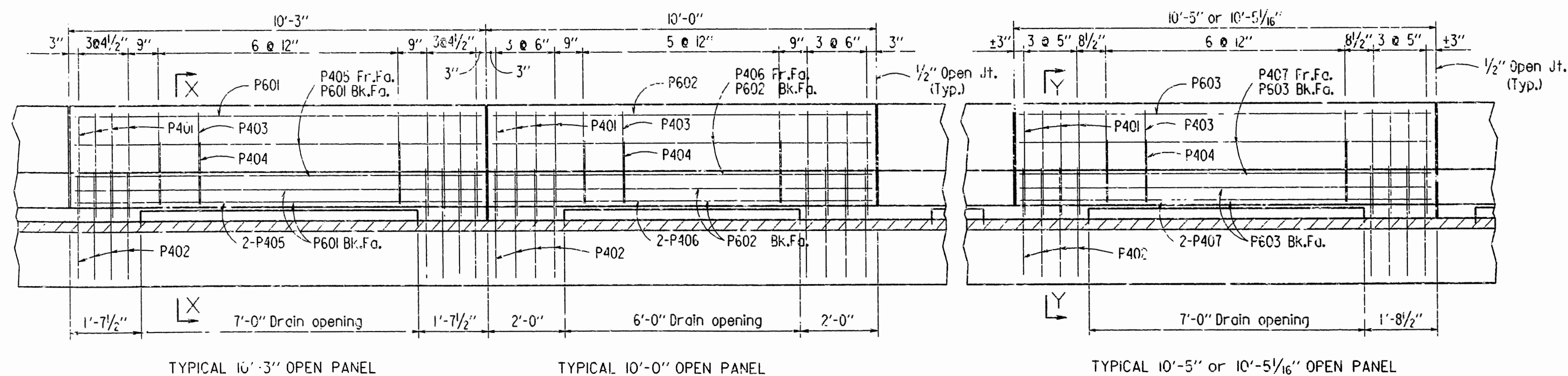
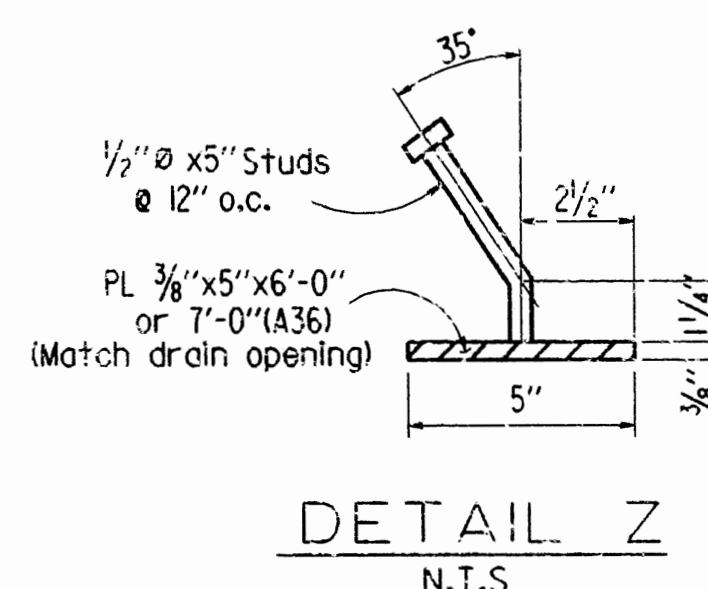
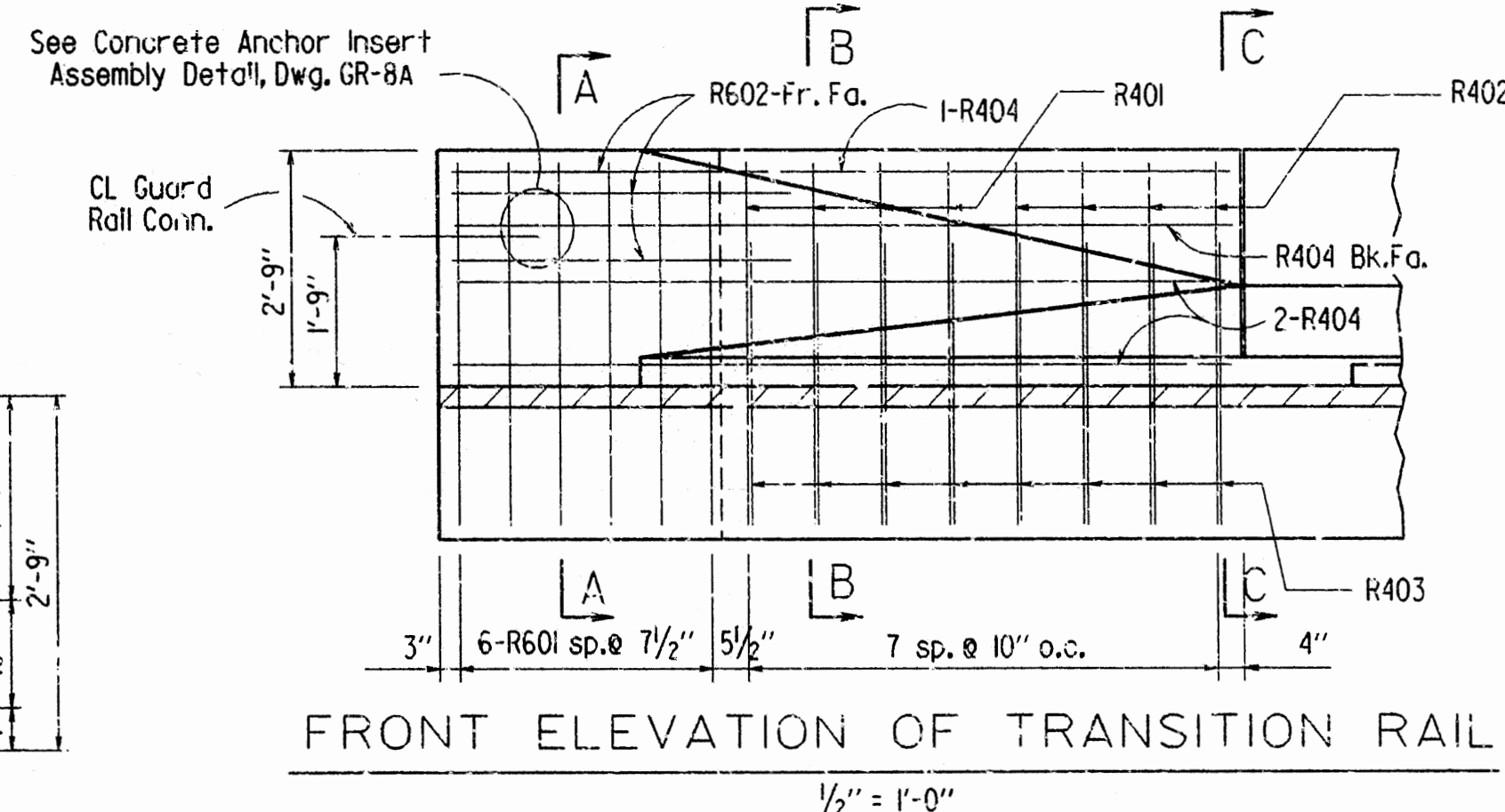
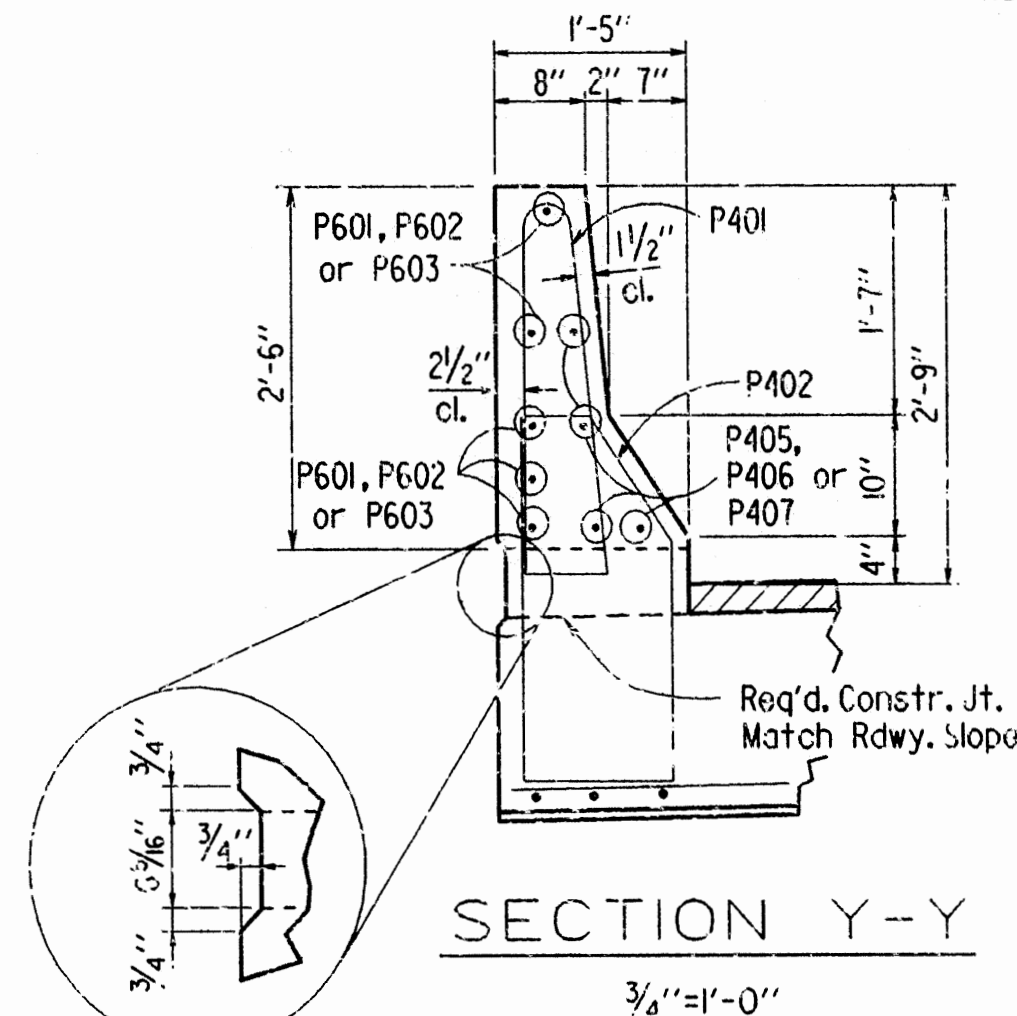
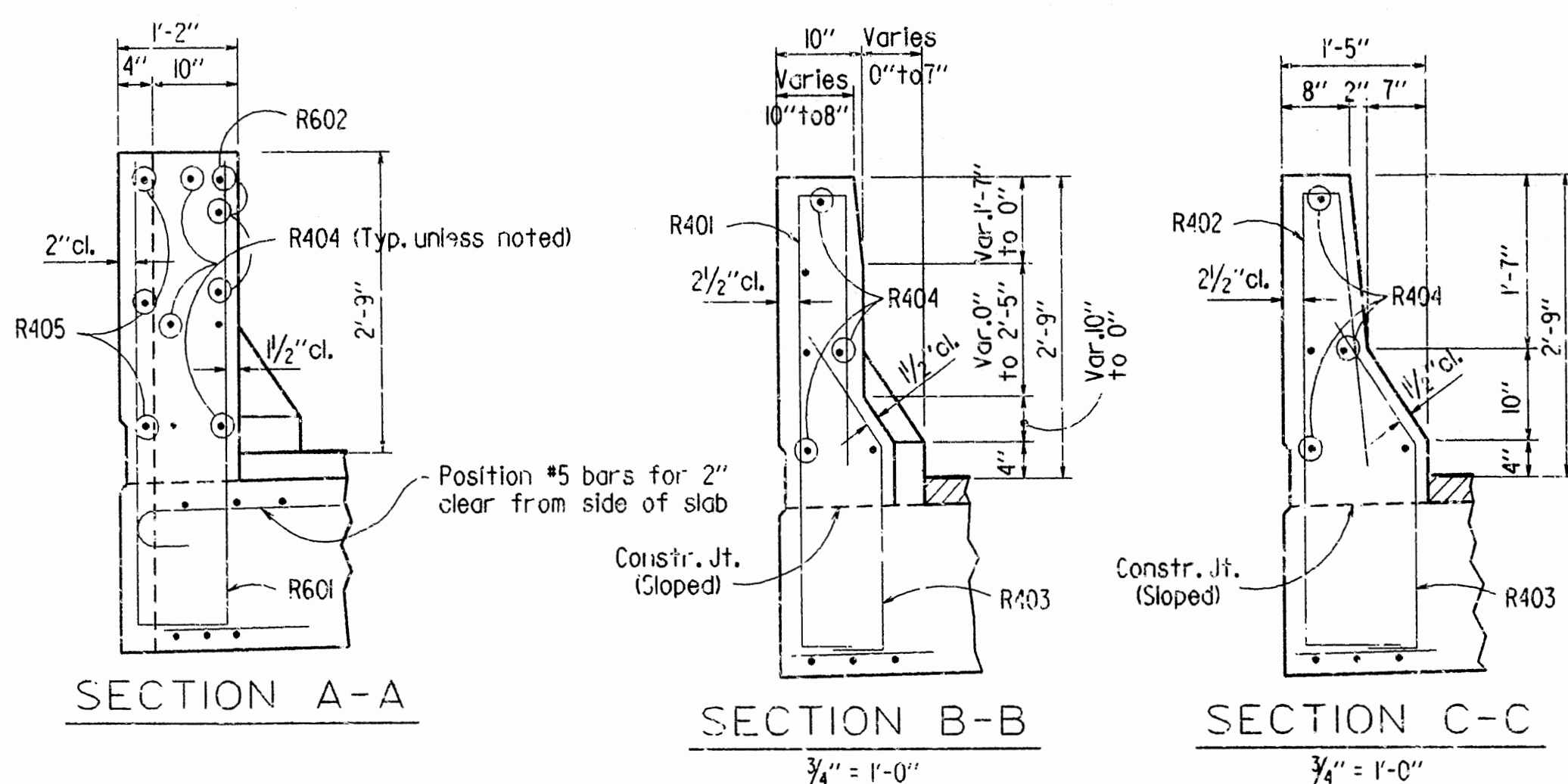
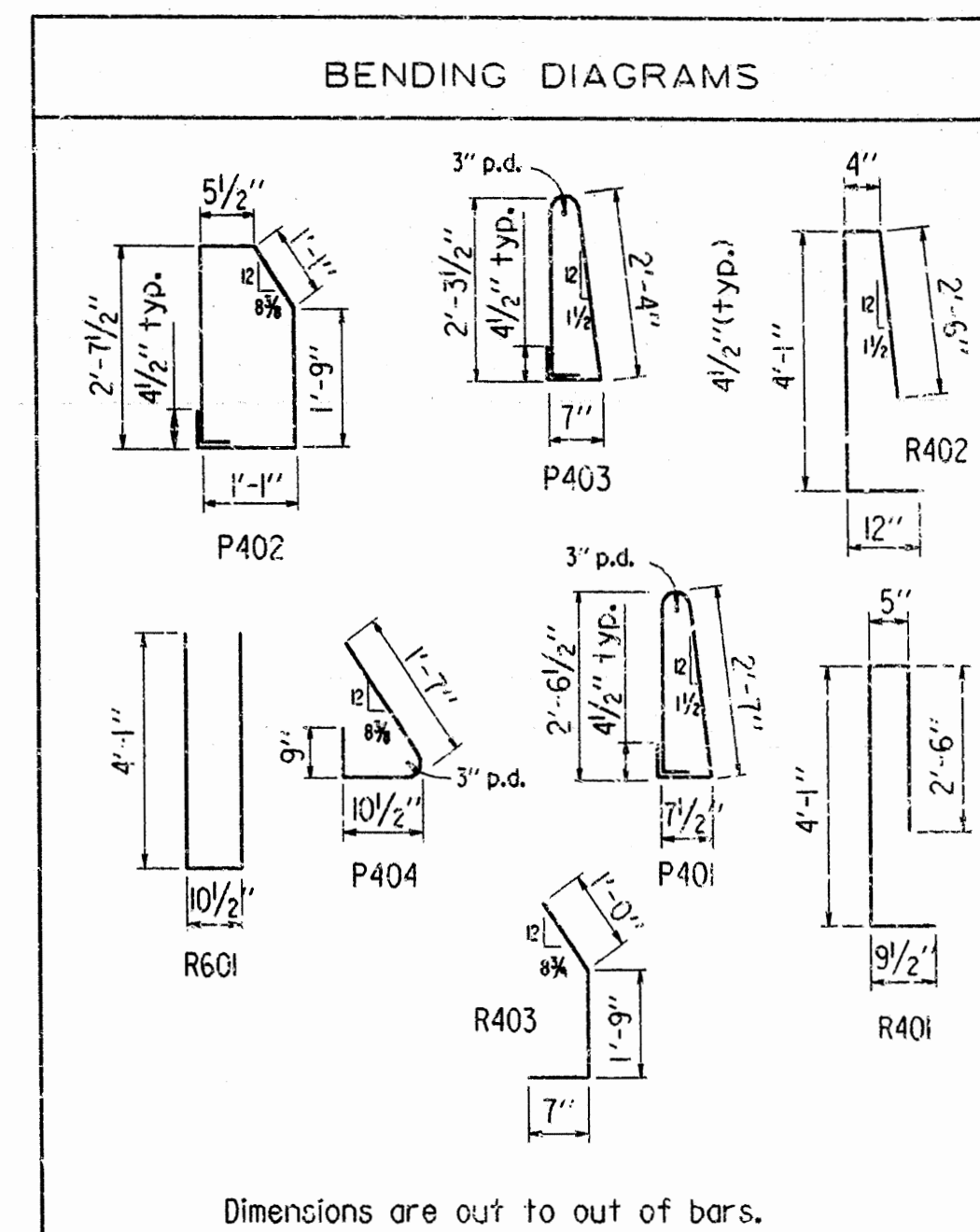
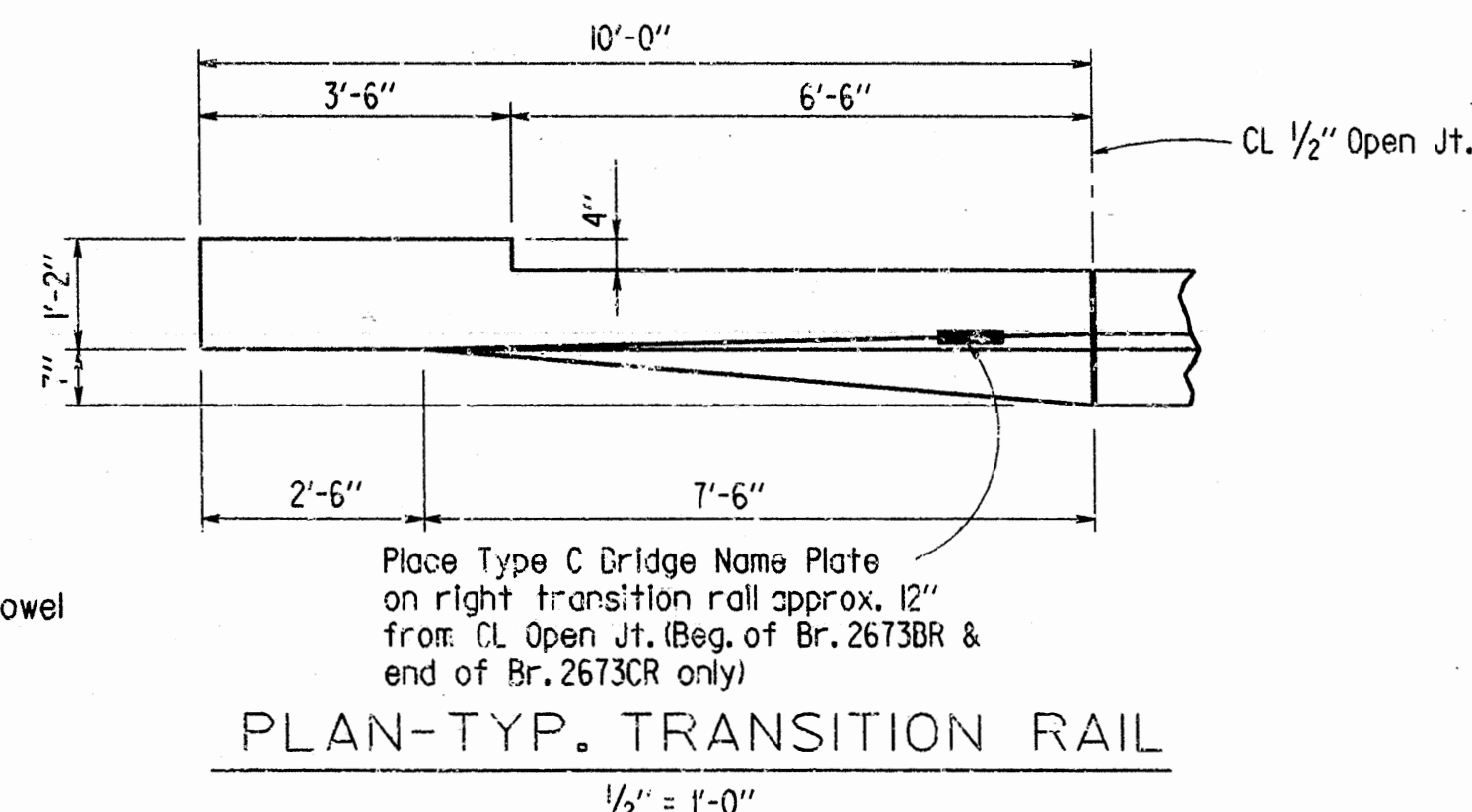
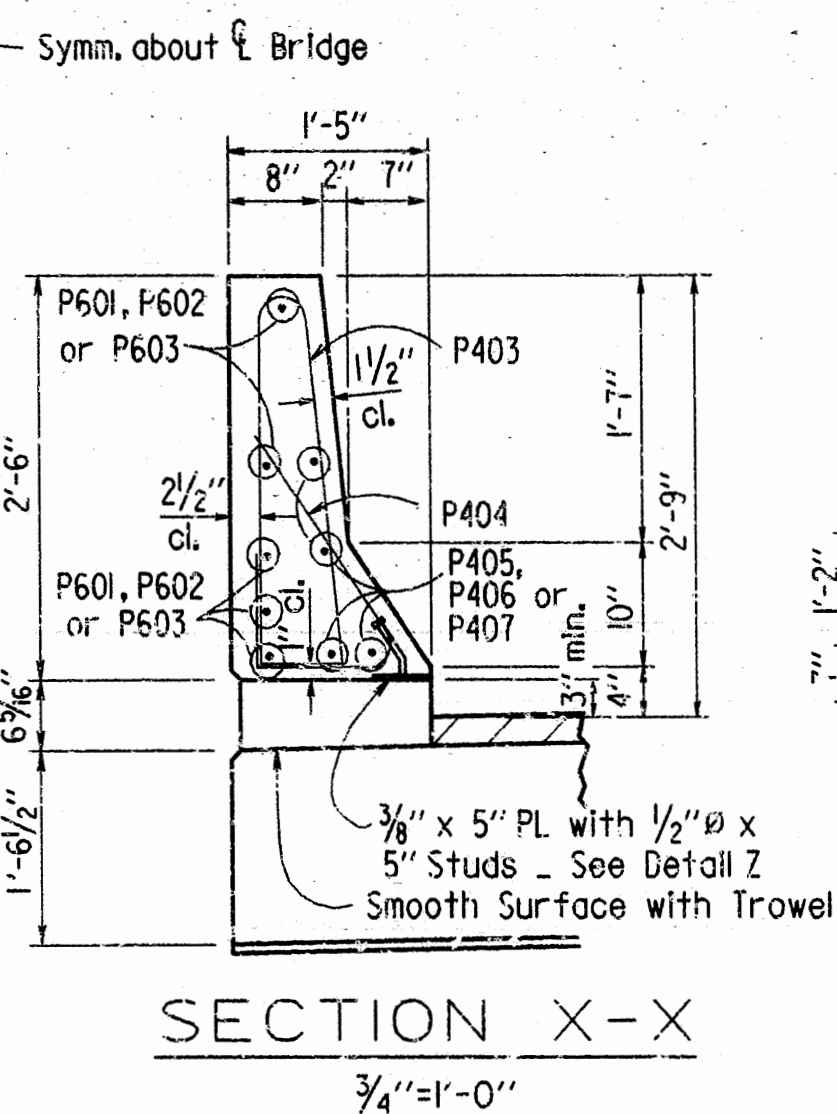
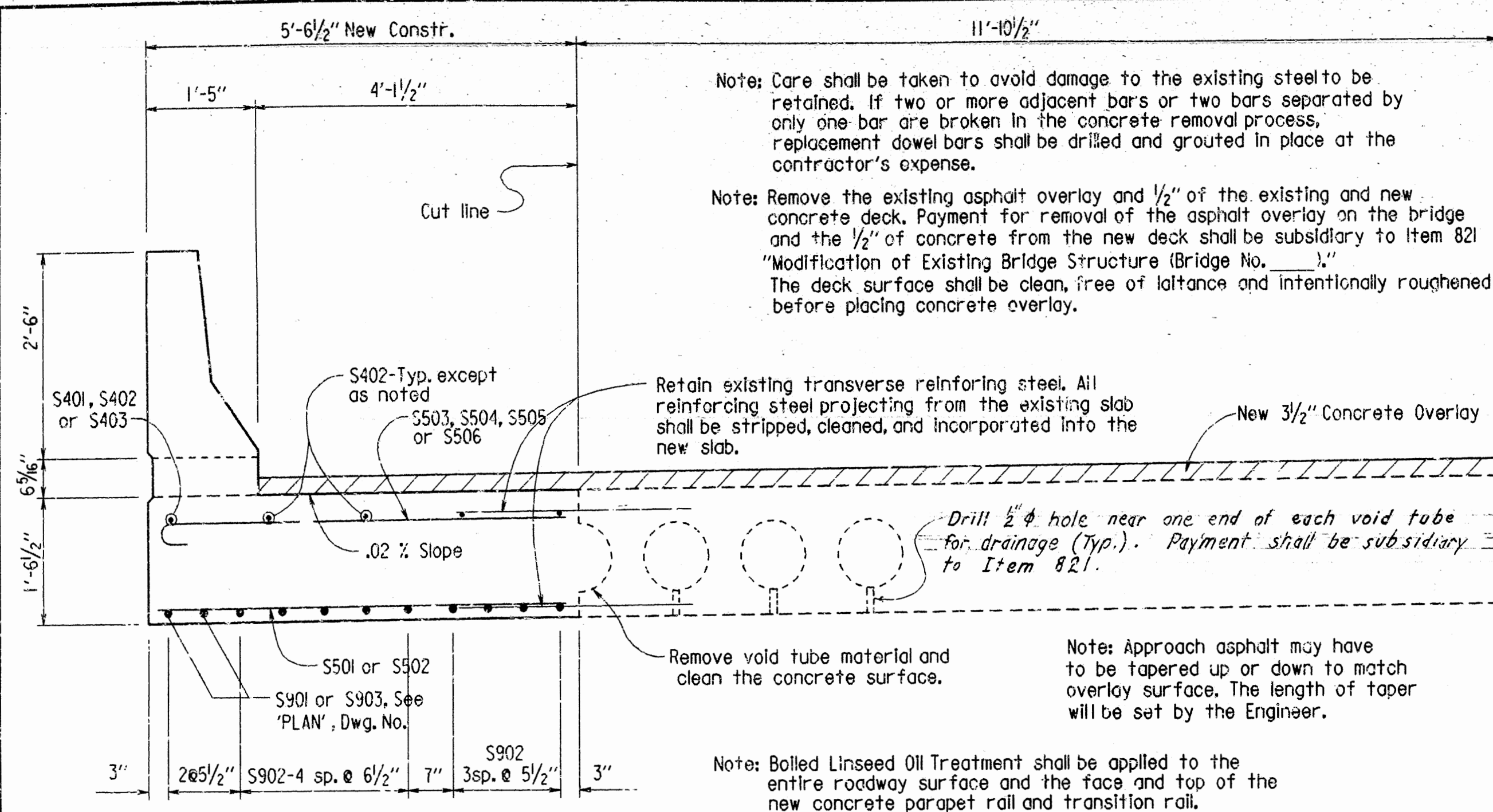
Scale: 3/4" = 1'-0"



SECTION X-X

Scale: 3/4" = 1'-0"

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1-24-89	4 th 2-13-89			6	ARK.			
				JOB NO.		RI0008	103	235
<div style="display: flex; align-items: center;"> 1 2673BR&CR-R-C SLAB SPANS-3032 </div>								



GENERAL NOTES

All concrete shall be Class S(AE). All exposed corners to be chamfered $\frac{3}{4}"$ unless otherwise noted. 28 day compressive strength of Class S(AE) Concrete = 4000 psi.

Reinforcing Steel to be ASTM A615 or A617, Grade 60.

Bar supports for reinforcing bars will not be paid for directly, but will be considered subsidiary to the item 'Reinforcing Steel'.

Structural Steel shall be measured and paid for as Class S(AE) Concrete.

Elastomeric Pad and Poured Joint shall be measured and paid for as Class S(AE) Concrete. Elastomeric material shall meet the requirements of Section 808.02 of the Standard Specifications and shall be in one piece for the full width and length of the bearing.

Specifications: Arkansas State Highway and Transportation Department Standard Specifications for Highway Construction, 1988 edition, with applicable Supplemental Specifications and Special Provisions.

Design Specifications: AASHTO Standard Specifications for Highway Bridges, 1983 edition, with current interim specifications.

Design Live Loading: HS20

Method of Design: Load Factor

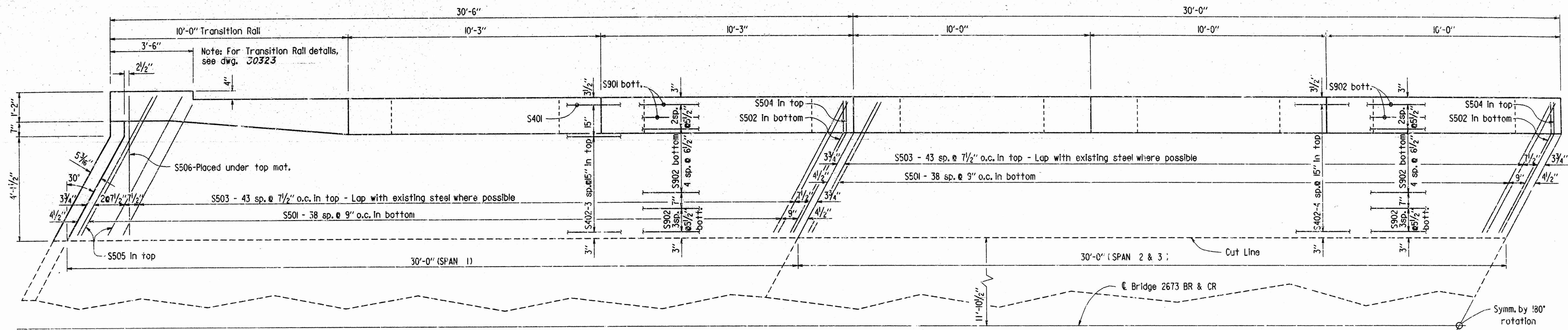
Dead Load: 266 #/sf (Includes 24 #/sf future surfacel).

Live Load: .174 #wheels/ft. + impact

SHEET 1 OF 2
REMODELING DETAILS FOR R.C. SLAB SPANS
FOR BRIDGES 2673BR & 2673CR OVER
TEN MILE BAYOU
CRITTENDEN COUNTY
ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
DRAWN BY: KDH DATE: 29 NOV 88
CHECKED BY: MEC DATE: 12-28-88 SCALE: AS NOTED
DESIGNED BY: DHP DATE: 7-6-88
BRIDGE NO. 2673 BR & CR DRAWING NO. 30323

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		RIO008	104	235

① 2673BR&CR-R.C.SLAB SPAN-30324



PLAN - NEW CONSTRUCTION - SPANS 1, 2 & 3

Scale: 1/2" = 1'-0"

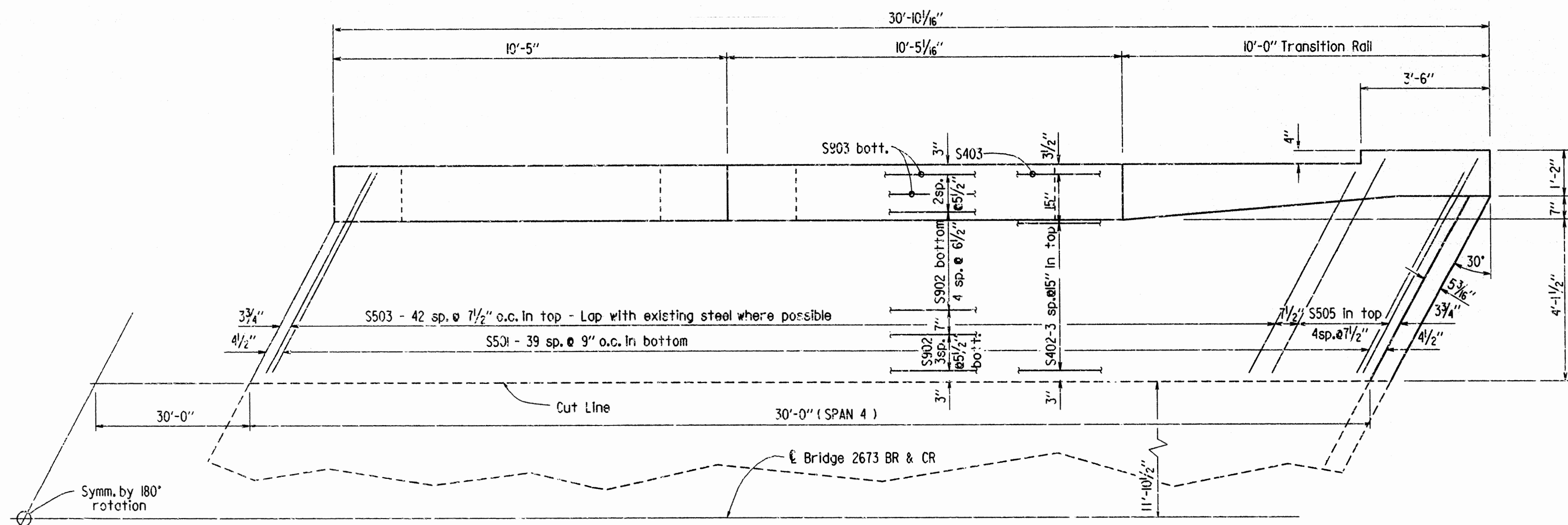
BAR LIST

Mark	Number Required	Length	A	B	Pin Dia.	Bending Diagrams
	Span 1	Sp. 2 & 3	Span 4			
S901	2	2	2	30'-2"		Str.
S902	18	22	18	29'-8"		Str.
S903	2		2	30'-6"		Str.
S501	79	78	79	6'-1"		Str.
S502	1	2	1	5'-11"	4'-8"	1'-3"
S503	87	88	87	6'-8"	6'-1"	5"
S504	1	2	1	5'-11"	4'-8"	1'-3"
S505	8		8	6'-6"		Str.
S506	1		1	6'-2"	5'-7"	5"
S401	1		1	30'-2"		Str.
S402	8	10	8	29'-8"		Str.
S403	1		1	30'-6"		Str.
P401	32	48	32	6'-4"		2"
P402	32	48	32	7'-4"		2"
P403	28	36	28	5'-10"		2"
P404	28	36	28	3'-2"		2"
P405	8		8	9'-11"		Str.
P406		24		9'-8"		Str.
P407	8		8	10'-1"		Str.
P601	10		10	9'-11"		Str.
P602		30		9'-8"		Str.
P603	10		10	10'-1"		Str.
R401	8		8	7'-7"		2"
R402	8		8	7'-8"		2"
R403	16		16	3'-4"		2"
R404	12		12	9'-8"		Str.
R601	6		6	3'-2"		Str.
R602	12		12	8'-8"		4 1/2"
R603	6		6	5'-0"		Str.

For Bending Diagrams not shown, see Dwg. 30323

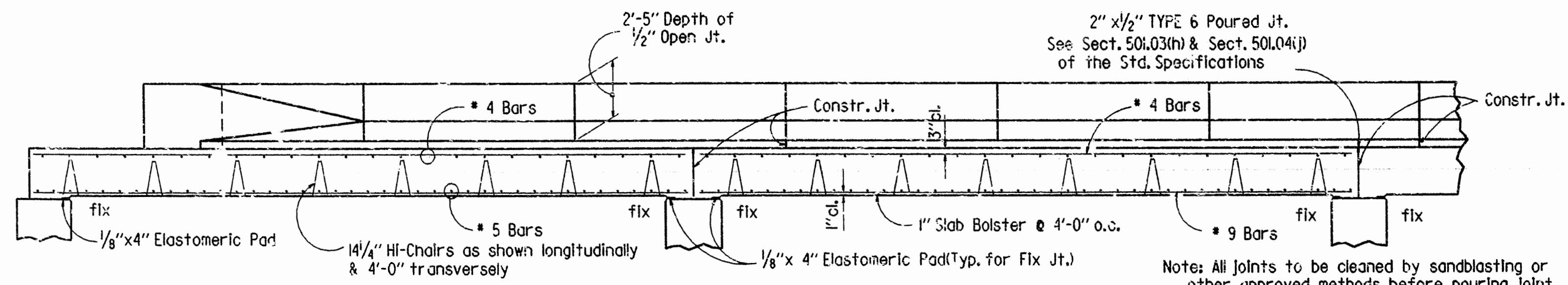
Dimensions are out to out of bars.

Note: For Details of slab cross-sections, see Dwg. 30323
For General Notes, see Dwg. 30323



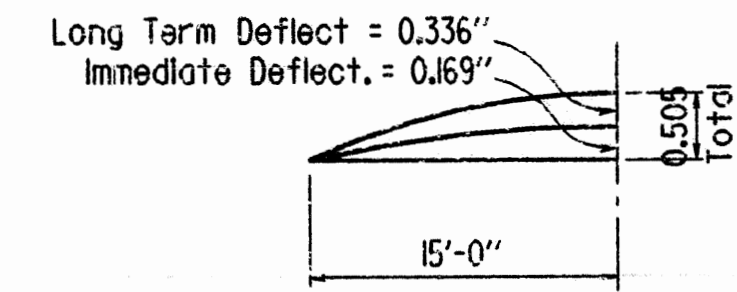
PLAN - NEW CONSTRUCTION - SPAN 4

Scale: 1/2" = 1'-0"



LONGITUDINAL SECTION THRU NEW CONSTRUCTION

1/4" = 1'-0"



DEAD LOAD CAMBER DIAGRAM
N.T.S.

SHEET 2 OF 2
REMODELING DETAILS FOR R.C. SLAB SPANS
FOR BRIDGES 2673BR & 2673CR OVER
TEN MILE BAYOU
CRITTENDEN COUNTY
ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
DRAWN BY: KDH DATE: 9 DEC 88
CHECKED BY: MLC DATE: 12-19-88
DESIGNED BY: DHP DATE: 7-6-88
BRIDGE NO. 2673 BR & CR DRAWING NO. 32324

