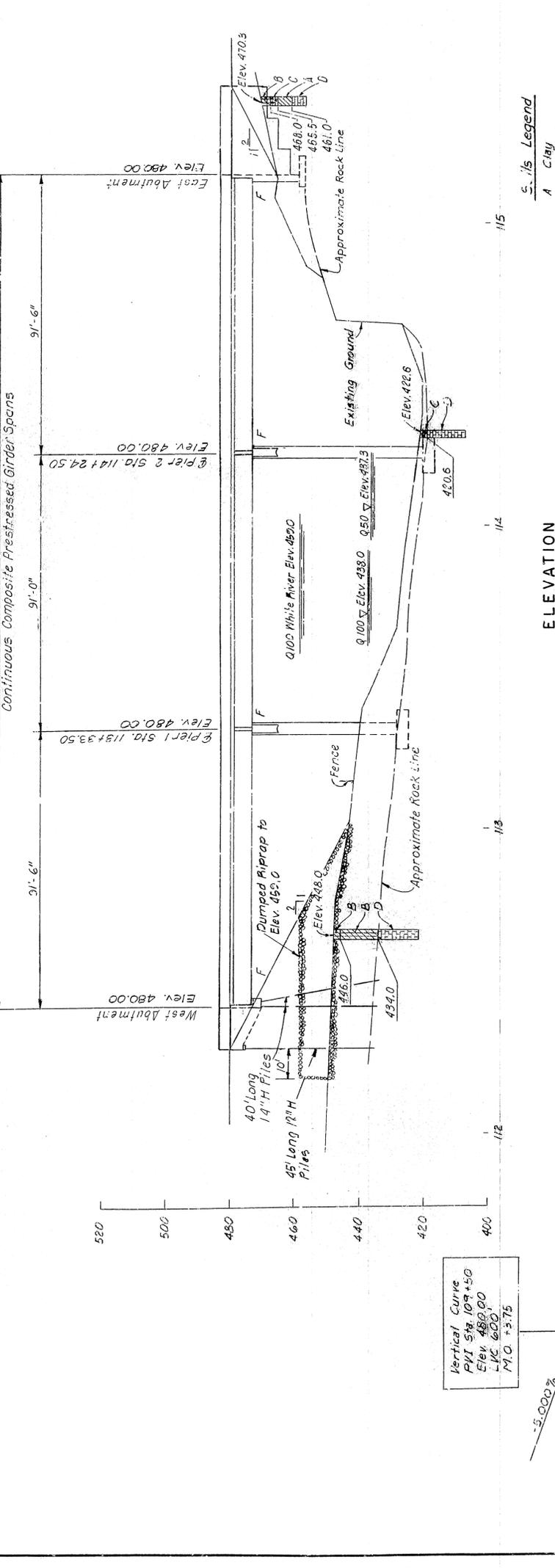
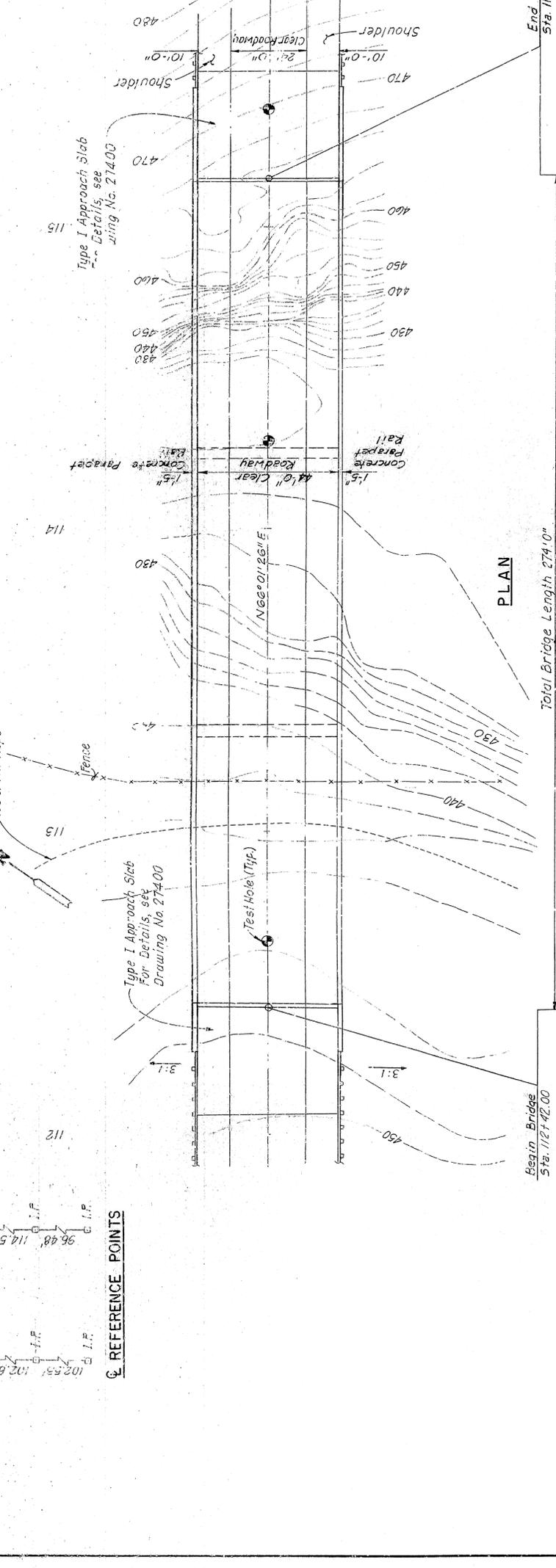


DATE REVISION	DATE FILMED	DATE REVISION	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.
				6	ARK.	9785	36
JOB NO. 9785							166
6058 PLAN AND ELEV							ALT.: 27343

36

TBM - M.I.S. 4" Cedar 36' Rt.
Sta. 113+05
Elev. 443.07

TBM - M.I.S. 40" Twin Oak 190' Rt.
Sta. 120+50
Elev. 482.50



REFERENCE POINTS

102.53'	102.67'	I.P.
96.48'	114.58'	I.P.
90.1'	Sta. 107+70.93	I.P.
90.1'	Sta. 112+18+00.43	I.P.

Vertical Curve

PVI Sta. 109+50	Elev. 480.00
L+K 600'	M.O. +3.75

DISCHARGE

DISCHARGE	ELEV.	BACKWATER ELEV. WHITE RIVER
0.50	437.3	443.8
0.100	438.0	459.0

S. I.S. Legend

A	Clay
B	Silty Clay
C	Weathered Limestone and Chert Gravel
D	Gray Limestone

CONSTRUCTION SPECIFICATION: ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 1978, AND APPLICABLE SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: A.A.S.H.T.O. STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 1983 EDITION.

DESIGN LIVE LOADING: HS 20

METHOD OF DESIGN: LOAD FACTOR

FATIGUE LOAD CYCLE: CASE II

UNIT STRESSES:

CLASS S CONCRETE (PRESTRESSED GIRDER ONLY)	F _c	5,500 PSI
CLASS S CONCRETE	F _c	3,500 PSI
CLASS S (AE) CONCRETE	F _c	60,000 PSI
REINFORCING STEEL (GR. 60)	F _y	36,000 PSI
STRUCTURAL STEEL ASTM (A36)	F _y	270,000 PSI

PRESTRESSING STRANDS (LOW-RELAXATION)
HP 12x53
HP 14x73

PILE BEARING CAPACITY
70 TONS
96 TONS

GENERAL PLAN AND ELEVATION
U.S. HIGHWAY 62
FALLEN ASH CREEK BRIDGE

ALT. NO. 1
SHEET 1 OF 1

BRIDGE NO. 6058
DRAWING NO. 27349

BRIDGE ENGINEER

ARIZONA STATE HIGHWAY COMMISSION
MARION COUNTY
ROUTE SEC.
LITTLE ROCK, ARK.

DRAWN BY: J.D.T. DATE: MAR. 28, 1984
CHECKED BY: H.J.P. DATE: APR. 13, 1985
DESIGNED BY: D.H.W. DATE: FEB. 28, 1985

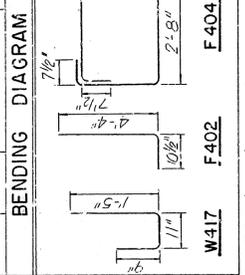
SCALE: 1" = 20'

STATE	FED. AID PROJ. NO.	MARKET NO.	TOTAL SHEETS
ARK.		38	166
PROJ. NO.	6	9783	2735
6058 DETAILS OF WEST ABUT.			

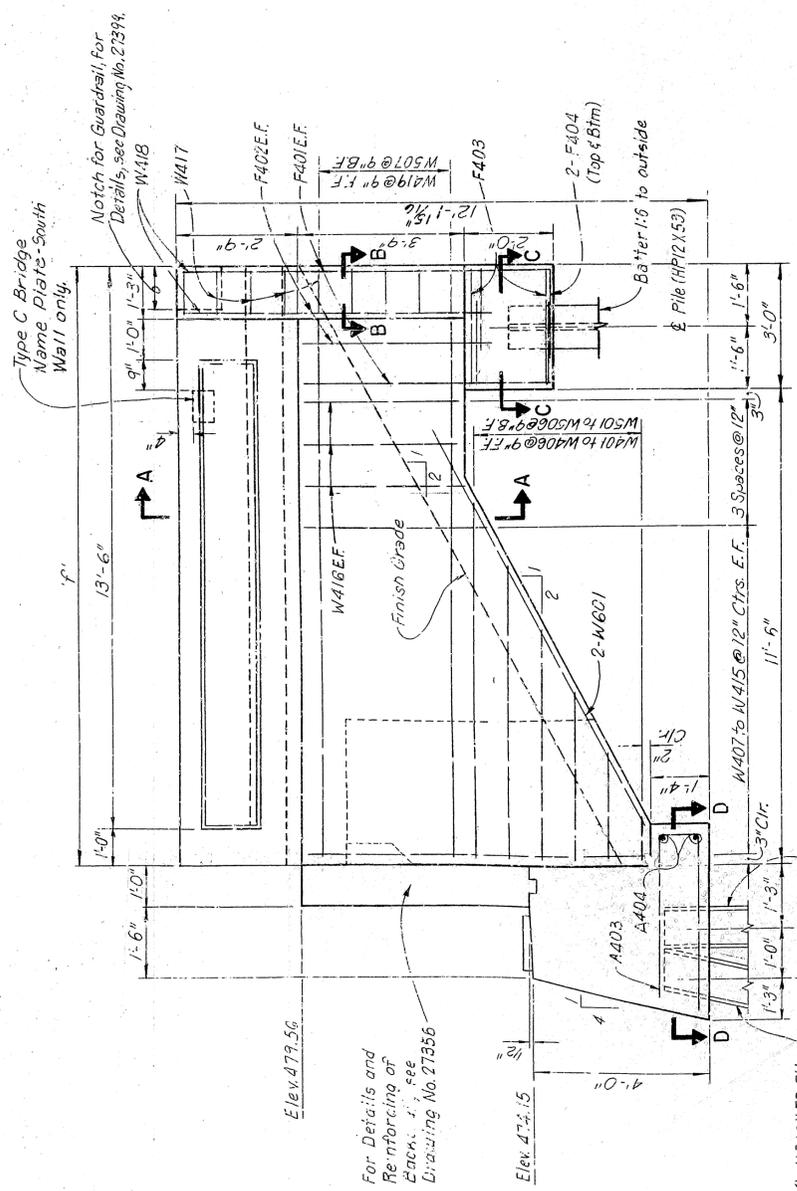
VARIABLES FOR PARAPET RAILING		
CLOSED PARAPET		
"r"	k	n
14'-6"	2 1/2"	15"

- NOTES:
- For Parapet Reinforcing and Bending Diagrams, see Diag. No. 27399
 - For Guard Fence Bolt Details, see Drawing No. 27398.

REINFORCEMENT SCHEDULE			
MARK	NO	LENGTH	PIN DIA
W401	2 Ea.	1'-0" to 8'-6"	5/8"
W205			
W407	4 Ea.	7'-9" to 4'-0"	5/8"
W415			
W418	12	3'-5"	Str.
W417	18	2'-11"	2"
W419	4	6'-4"	Str.
W419	10	14'-2"	Str.
W501	2 Ea.	1'-0" to 8'-6"	Str.
W508			
V507	10	14'-2"	Str.
W601	4	10'-6"	Str.
F401	8	5'-5"	Str.
F402	8	5'-1 1/2"	2"
F403	8	2'-8"	Str.
F404	8	10'-2"	2"
P401	32	6'-3"	2"
P403	32	5'-8"	2"
P406	14	1'-2"	5/8"

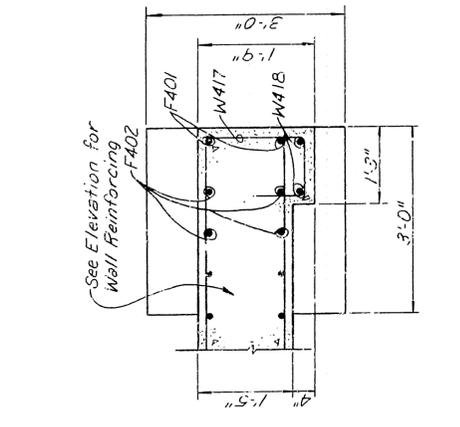


NOTE: Dimensions of Bars are out-to-out.

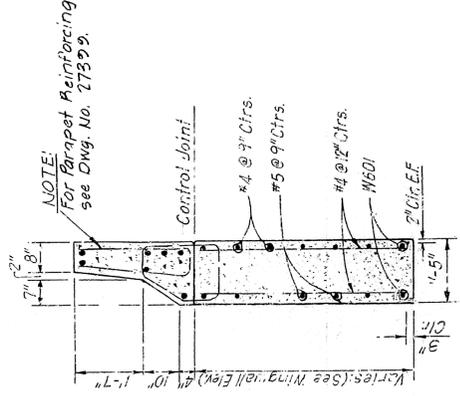


WINGWALL ELEVATION
Scale: 1/4" = 1'-0"

For Details and Reinforcing of Backs, see Drawing No. 27356



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

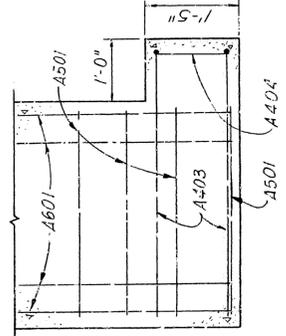


SECTION A-A
Scale: 1/2" = 1'-0"

NOTE: Treatment for outside Parapet Railing shown on Diag. No. 27399

NOTE: See Elevation for Wall Reinforcing F402

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



AL.T. NO. 1
SHEET 2 OF 2
DETAILS OF WEST ABUTMENT
FALLEN ASH CREEK BRIDGE

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

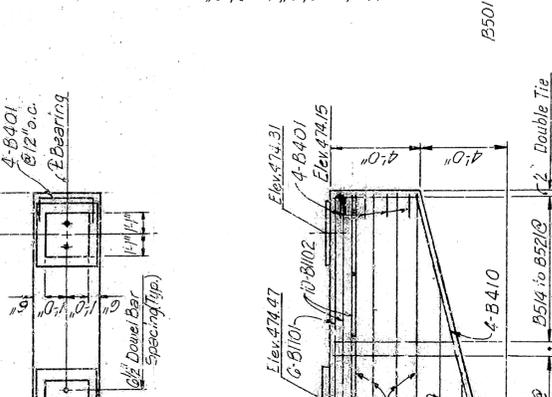
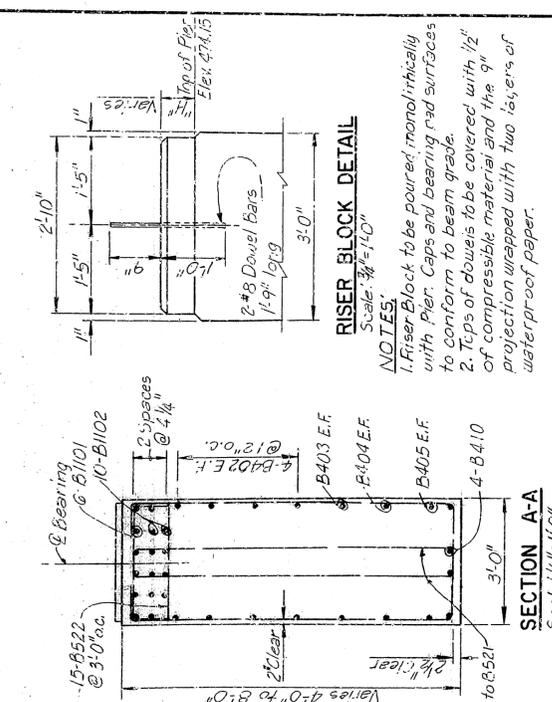
DRAWN BY: P.B.S. DATE: MARCH, 1965
CHECKED BY: H.J.P. DATE: MARCH, 1965
DESIGNED BY: D.C.W. DATE: MARCH, 1965

BRIDGE NO. 6058 DRAWING NO. 27351

BRIDGE ENGINEER

REVISED	DATE	BY	REASON

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
6	ARK	9183	39	106
JOB NO.		05058 DETAILS OF PIERS 1&2 27352		

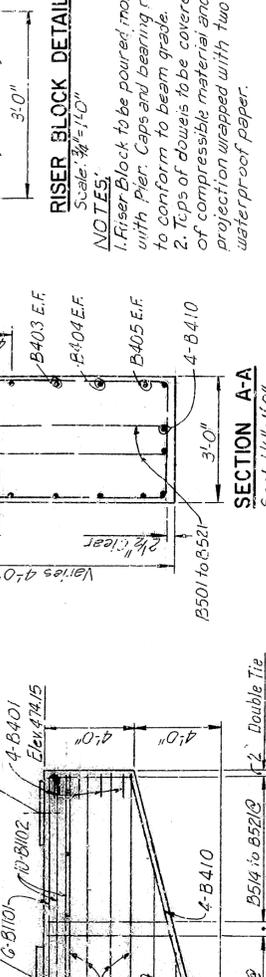
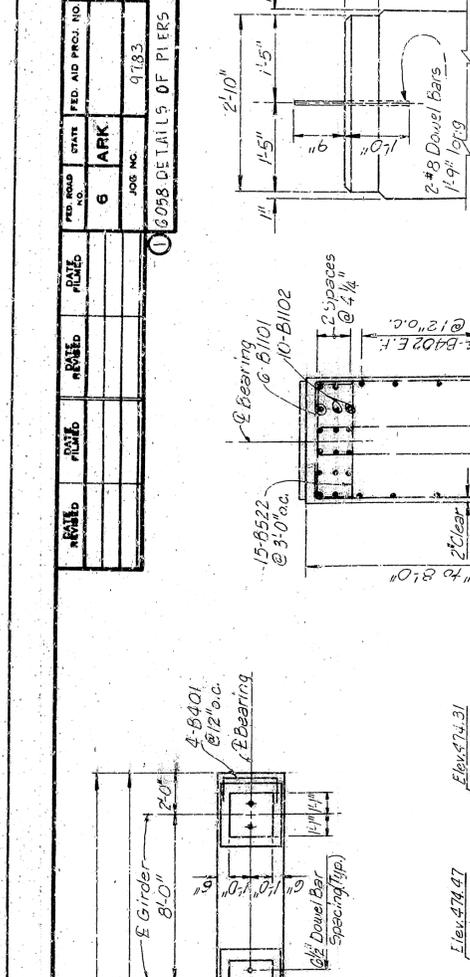


ALT. NO. 1
SHEET 1 OF 1
DETAILS OF PIERS 1 AND 2
FALLEN ASH CREEK BRIDGE
MARION COUNTY
ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

BRIDGE NO. 6058
DRAWING NO. 27352

DESIGNED BY: D.M.F. DATE: MARCH 1985
CHECKED BY: H.J.F. DATE: MARCH 1985
SCALE: As Noted

BRIDGE ENGINEER



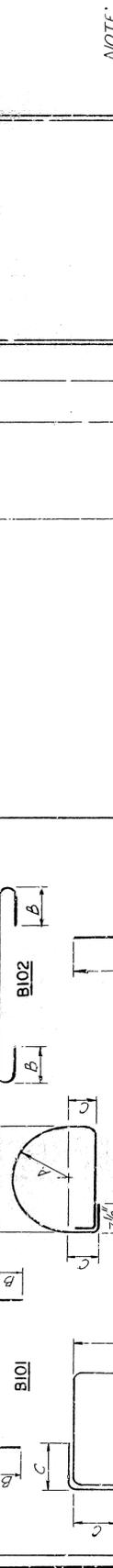
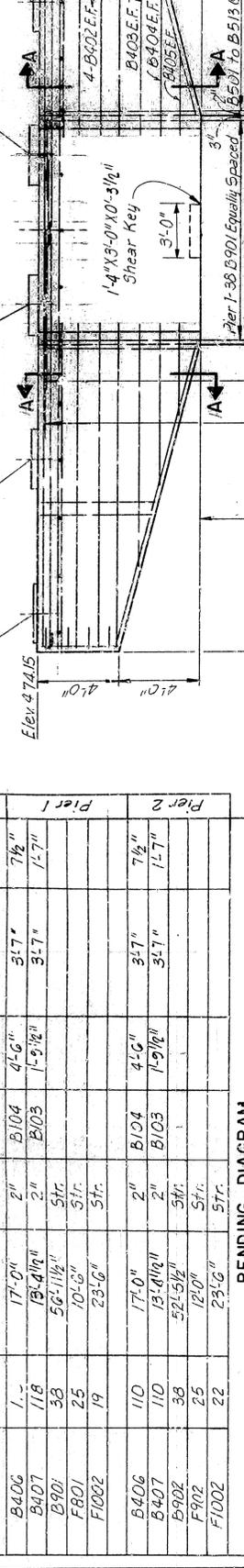
ELEVATION (PIER 1)
Scale: 3/8" = 1'-0"

ELEVATION (PIER 2)
Scale: 3/8" = 1'-0"

ELEVATION
PIER 1 AND PIER 2
Scale: 1/4" = 1'-0"

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

REINFORCEMENT SCHEDULE			
MARK	NO.	LENGTH	PIN DIA. TYPE
B401	8	4'-4 1/2"	2" B101
B402	16	16'-10"	5tr.
B403	4	12'-0"	5tr.
B404	4	8'-7"	5tr.
B405	4	2'-7"	5tr.
B408	4	5'-3 1/2"	2" B101
B409	6	2'-0"	5tr.
B410	8	16'-11 1/2"	5tr.
B501 to B521	4 Each	Varies 3'-0" to 7'-6 1/2"	9 1/4"
B522	15	2'-8"	5tr.
B1102	6	4'-10"	5tr.
B1102	10	4'-10"	5tr.
F901	38	10'-1 1/2"	9"
B406	1-	17'-0"	2"
B407	18	13'-4 1/2"	2"
B901	38	5'-11 1/2"	5tr.
F901	25	10'-0"	5tr.
F1002	19	23'-0"	5tr.
B406	110	17'-0"	2"
B407	110	13'-4 1/2"	2"
B902	38	5'-11 1/2"	5tr.
F902	25	12'-0"	5tr.
F1002	22	23'-0"	5tr.



ELEVATION
PIER 1 AND PIER 2
Scale: 1/4" = 1'-0"

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

NOTE: Dimensions of Bars are Out-to-out.

NOTE: Reinforcing Symmetrical about E. Piers.

NOTE: Omit reinforcing for 4" less than 4".

NOTE: Dimensions of Bars are Out-to-out.

NOTE: Reinforcing Symmetrical about E. Piers.

NOTE: Omit reinforcing for 4" less than 4".

NOTE: Dimensions of Bars are Out-to-out.

NOTE: Reinforcing Symmetrical about E. Piers.

NOTE: Omit reinforcing for 4" less than 4".

NOTE: Dimensions of Bars are Out-to-out.

NOTE: Reinforcing Symmetrical about E. Piers.

NOTE: Omit reinforcing for 4" less than 4".

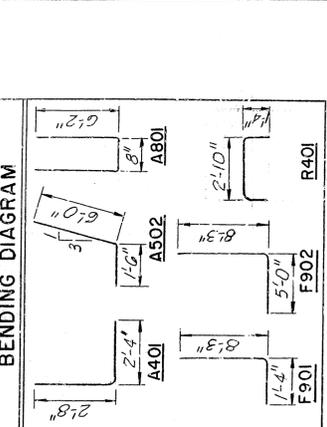
NOTE: Dimensions of Bars are Out-to-out.

NOTE: Reinforcing Symmetrical about E. Piers.

NOTE: Omit reinforcing for 4" less than 4".

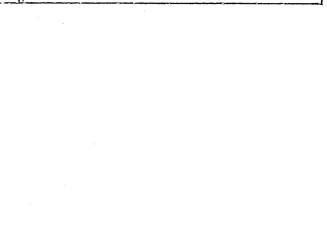
REVISED	DATE	BY	REASON

MARK	NO.	LENGTH	PIN DIA.
A401	88	4'-11"	2"
A501	33	4'-6"	5/8"
A502	47	14'-11 1/2"	5/8"
A504	32	7'-5"	2 1/2"
A504	8	14'-9"	5/8"
A701	35	12'-8"	5/8"
A801	47	12'-7"	6"
A801	19	50'-4"	5/8"
F502	47	5'-6"	5/8"
F801	51	12'-0"	5/8"
F802	4	5'-0"	5/8"
F901	35	9'-4"	7/8"
F902	33	13'-0"	9"
F901	4	5'-4"	2"
R402	6	2'-6"	5/8"

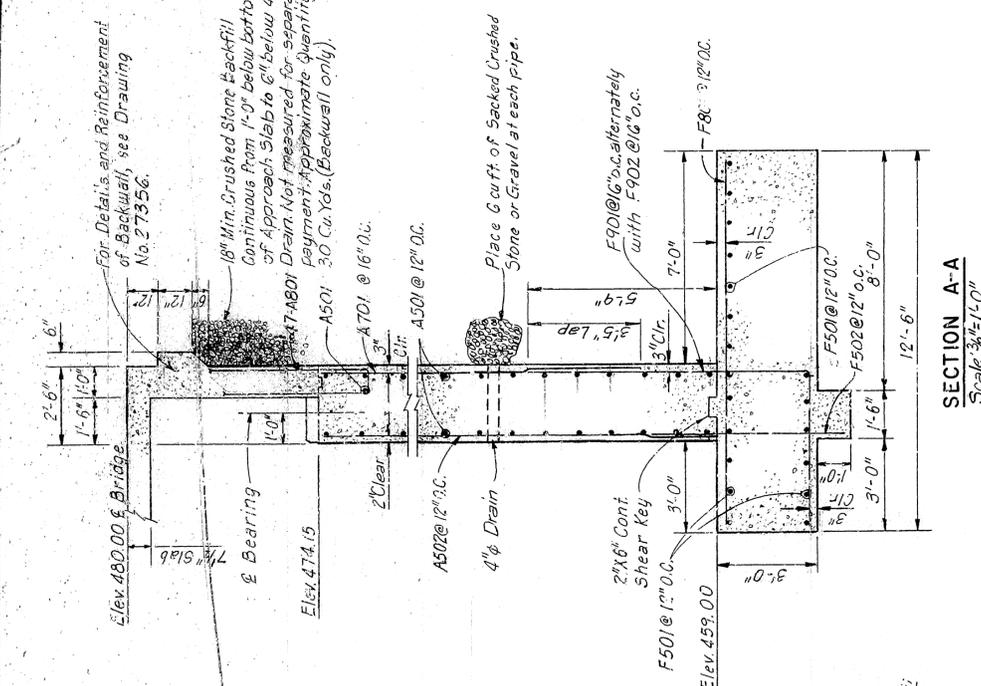


NOTE: Dimensions of Bars are out-to-out.

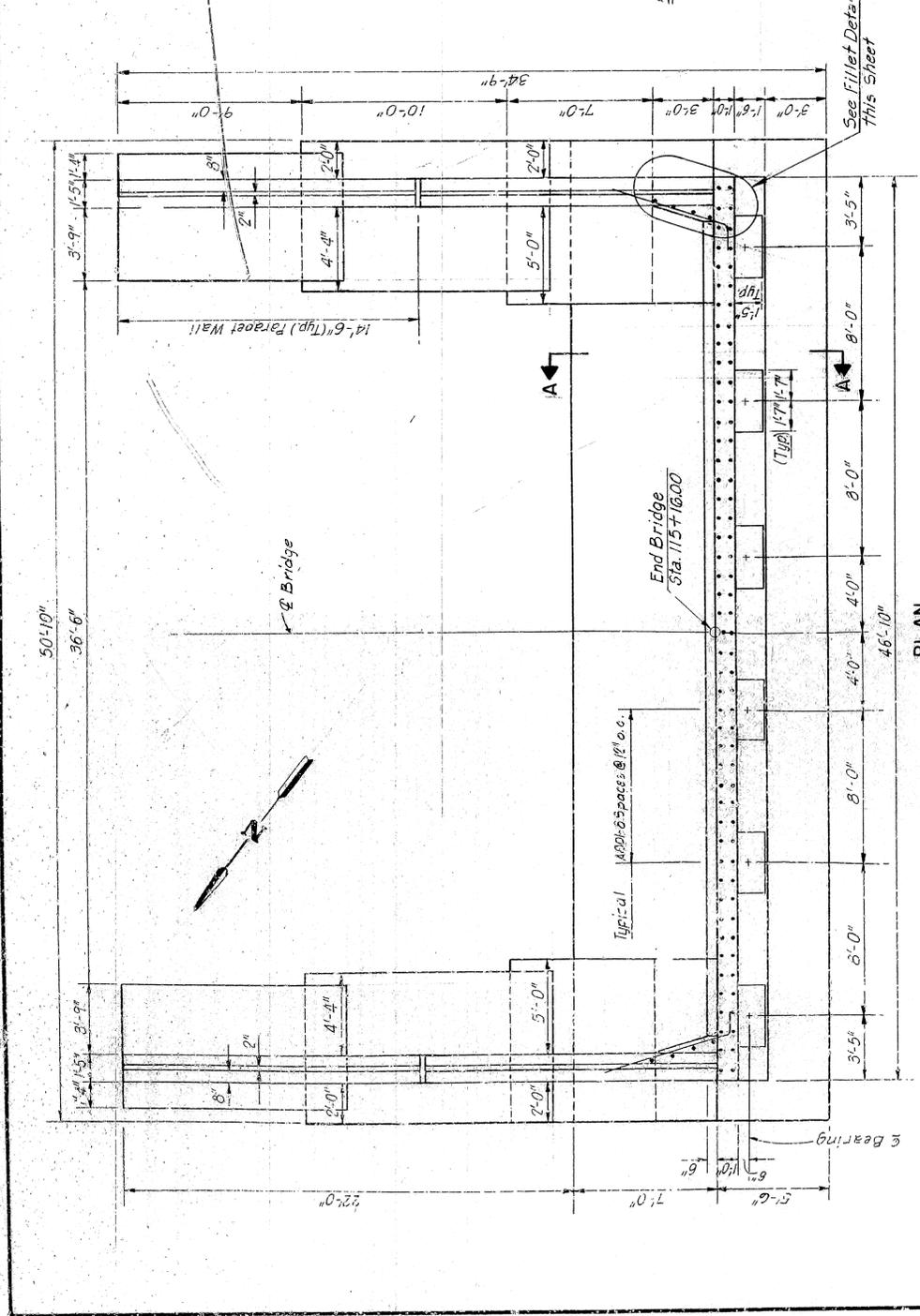
REINFORCEMENT SCHEDULE
MARK NO. LENGTH PIN DIA.
A401 88 4'-11" 2"
A501 33 4'-6" 5/8"
A502 47 14'-11 1/2" 5/8"
A504 32 7'-5" 2 1/2"
A504 8 14'-9" 5/8"
A701 35 12'-8" 5/8"
A801 47 12'-7" 6"
A801 19 50'-4" 5/8"
F502 47 5'-6" 5/8"
F801 51 12'-0" 5/8"
F802 4 5'-0" 5/8"
F901 35 9'-4" 7/8"
F902 33 13'-0" 9"
F901 4 5'-4" 2"
R402 6 2'-6" 5/8"



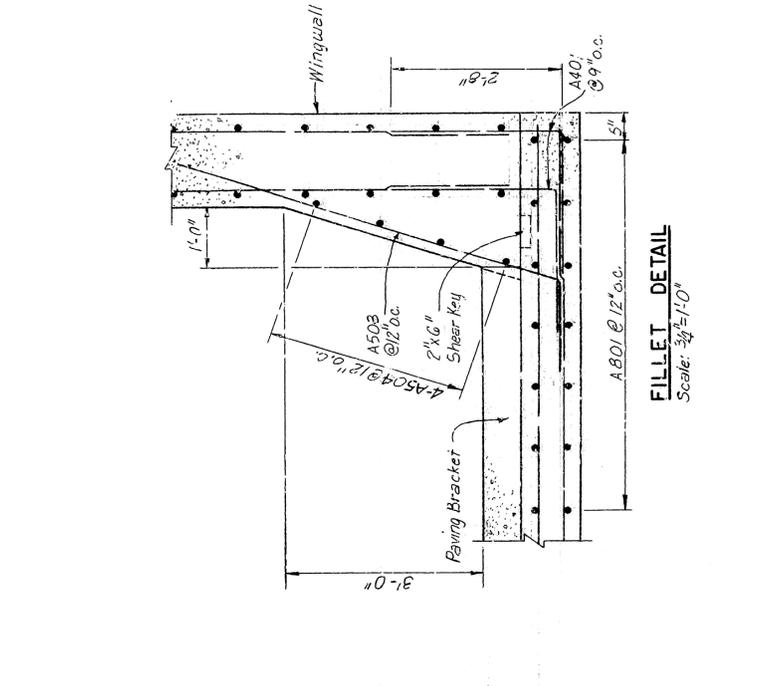
NOTE: Dimensions of Bars are out-to-out.



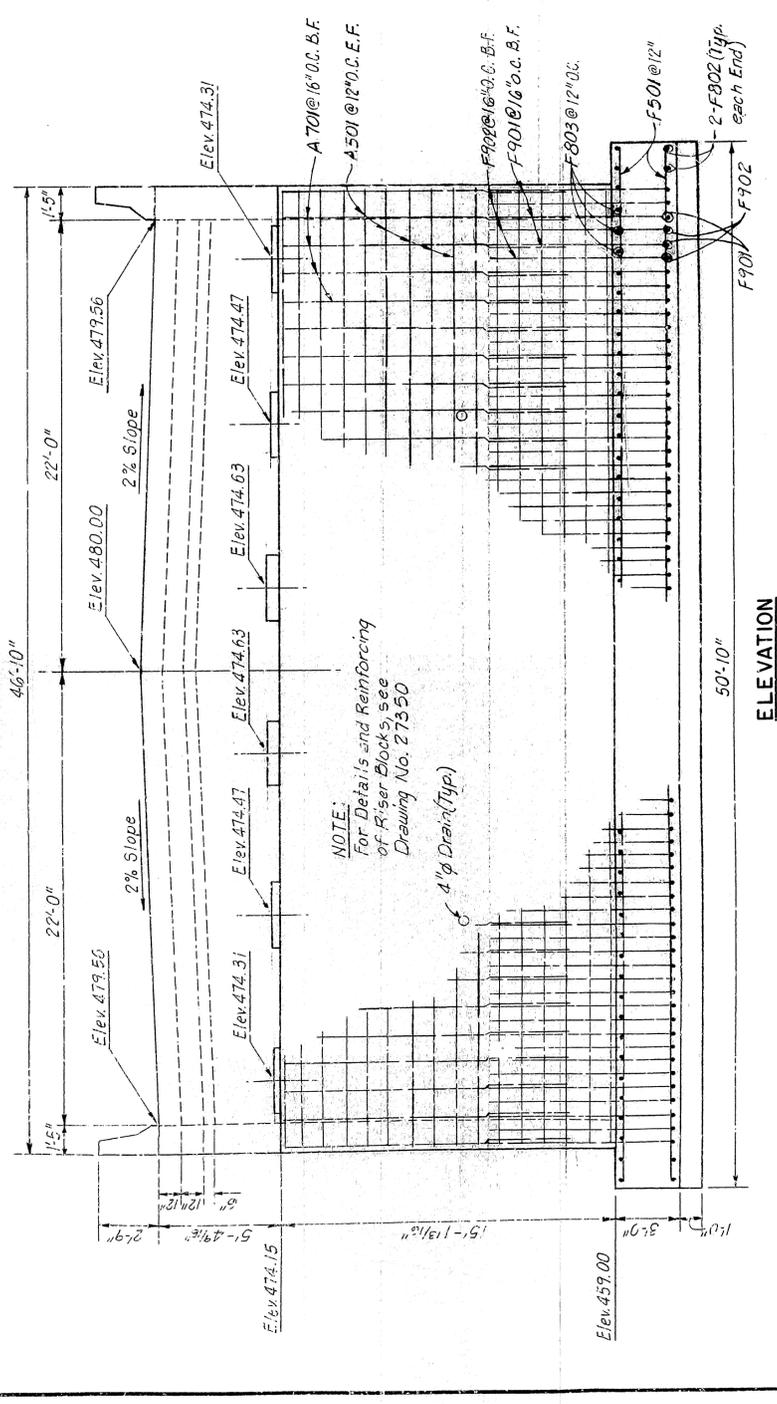
SECTION A-A
Scale: 3/4" = 1'-0"



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



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



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

ALT. NO. 1
SHEET 1 OF 2
DETAILS OF EAST ABUTMENT
FALLEN ASH CREEK BRIDGE

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

DESIGNED BY: P.E.B. DATE: MARCH 1955
CHECKED BY: H.W.P. DATE: MARCH 1955
DRAWN BY: D.M.W. DATE: MARCH 1955

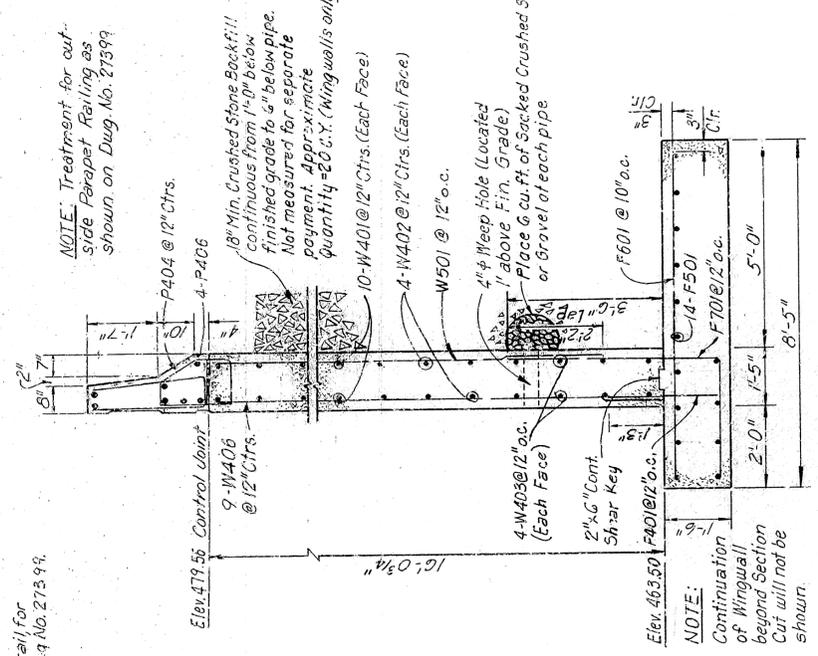
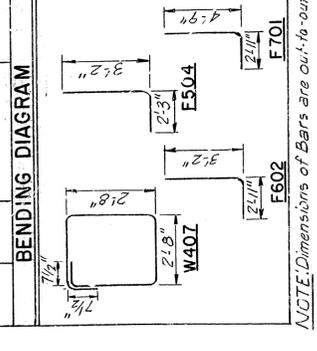
BRIDGE NO. 6058
DRAWING NO. 27353

PROJ. NO.	6	STATE	ARK.	FED. AID PROJ. NO.		TOTAL SHEETS	166
DATE	9/83	JOB NO.	9783				
6038 DETAILS OF EAST ABUT. 27354							

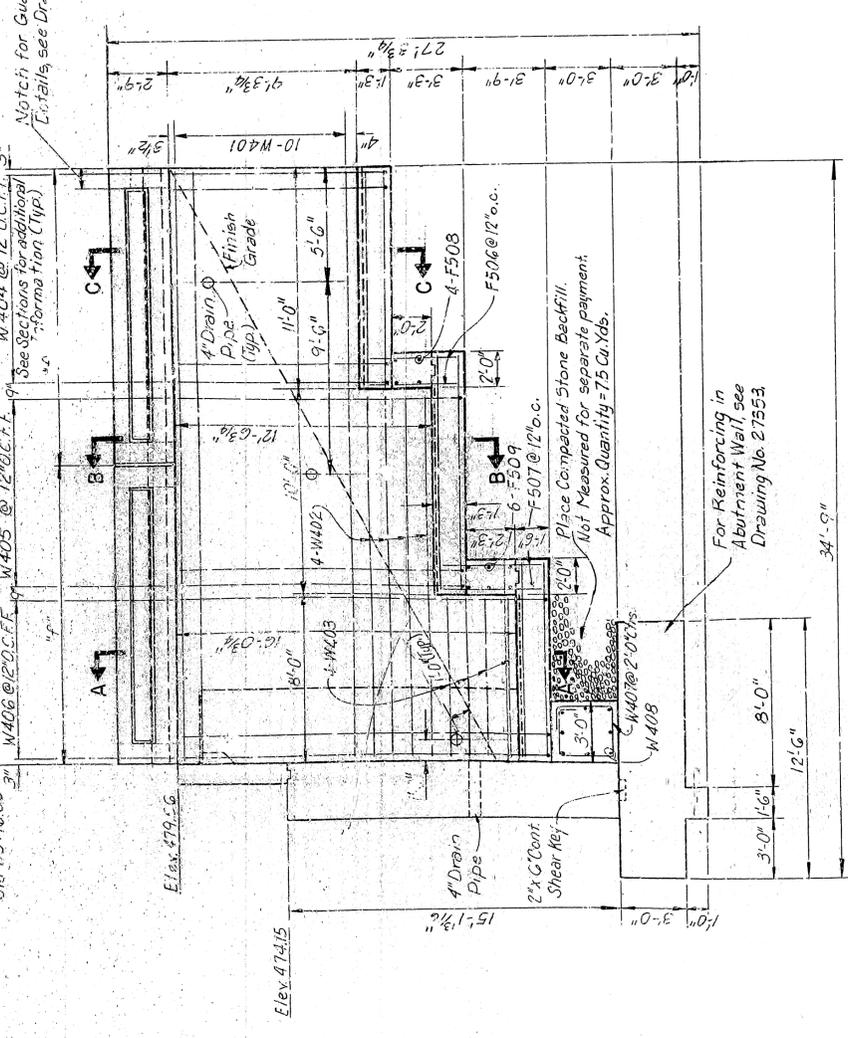
VARIABLES FOR PARAPET RAILING		
CLOSED PARAPET		
"f"	k	n
1/4" G"	2 1/4"	15

NOTES:
 1. For Parapet Reinforcing and Bending Diagrams; see Dwg. No. 27399
 2. For Guard Fence Bolt Detail, see Drawing No. 27399

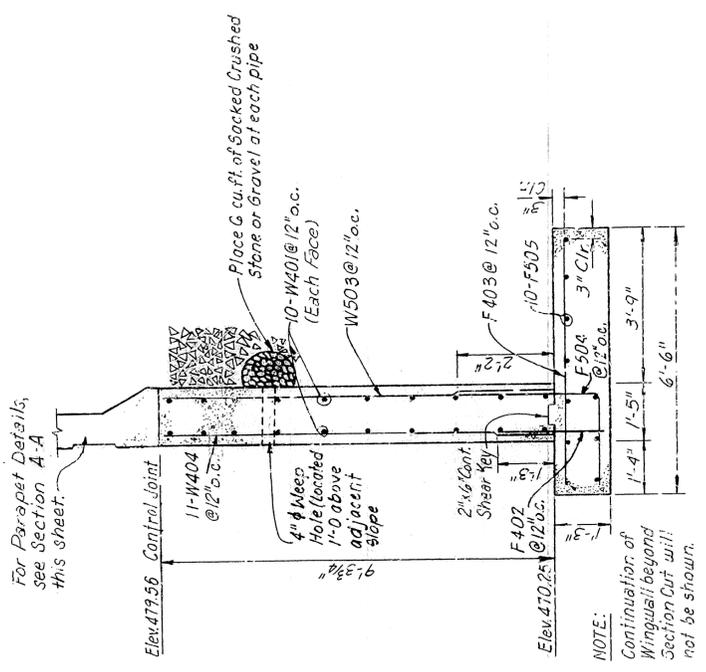
REINFORCEMENT SCHEDULE			
MARK	NO.	LENGTH	FIN DIA.
W401	40	28'-8"	Str.
W402	16	17'-8"	Str.
W403	16	7'-8"	Str.
W404	22	9'-2"	Str.
W405	20	12'-5"	Str.
W406	18	15'-11"	Str.
W407	10	11'-6"	Str.
W408	16	7'-11"	Str.
W501	22	14'-7"	Str.
W502	20	12'-5"	Str.
W503	18	9'-2"	Str.
F401	18	2'-6"	Str.
F402	42	2'-3"	Str.
F403	22	6'-0"	Str.
F501	28	9'-6"	Str.
F502	24	11'-6"	Str.
F503	26	7'-3"	Str.
F504	20	5'-4"	2 1/2"
F505	20	10'-6"	Str.
F506	28	4'-0"	Str.
F507	36	4'-6"	Str.
F508	8	6'-0"	Str.
F509	12	7'-3"	Str.
F601	22	7'-11"	Str.
F602	20	5'-11"	3 3/8"
F701	18	7'-6"	2 1/4"
P401	64	6'-3"	2 1/4"
P403	64	5'-8"	2 1/4"
P406	28	14'-2 1/2"	Str.



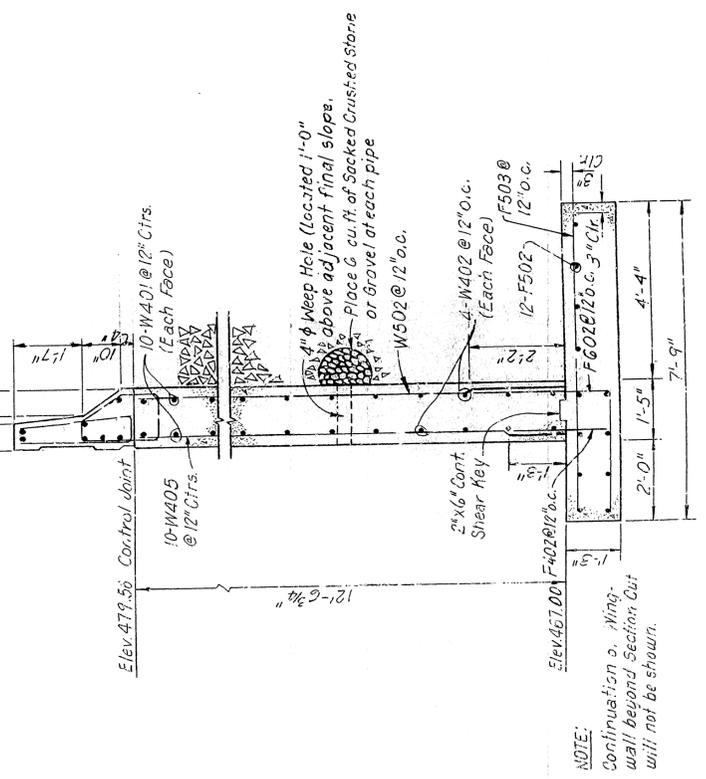
SECTION A-A
 Scale: 1/2" = 1'-0"



ELEVATION (EAST ABUTMENT)
 Scale: 1/4" = 1'-0"



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



SECTION B-B
 Scale: 1/4" = 1'-0"

ALT NO. 1
 SHEET 2 OF 2
 DETAILS OF EAST ABUTMENT
 FALLEN ASH CREEK BRIDGE

MARION COUNTY
 ROUTE 273
 ARKANSAS STATE HIGHWAY COMMISSION

DESIGNED BY: D.C.W. DATE: MARCH, 1982
 CHECKED BY: H.U.P. DATE: MARCH, 1985
 LITTLE ROCK, ARK.

BRIDGE NO. 6058
 DRAWING NO. 27354

REVISED	DATE	BY	REASON

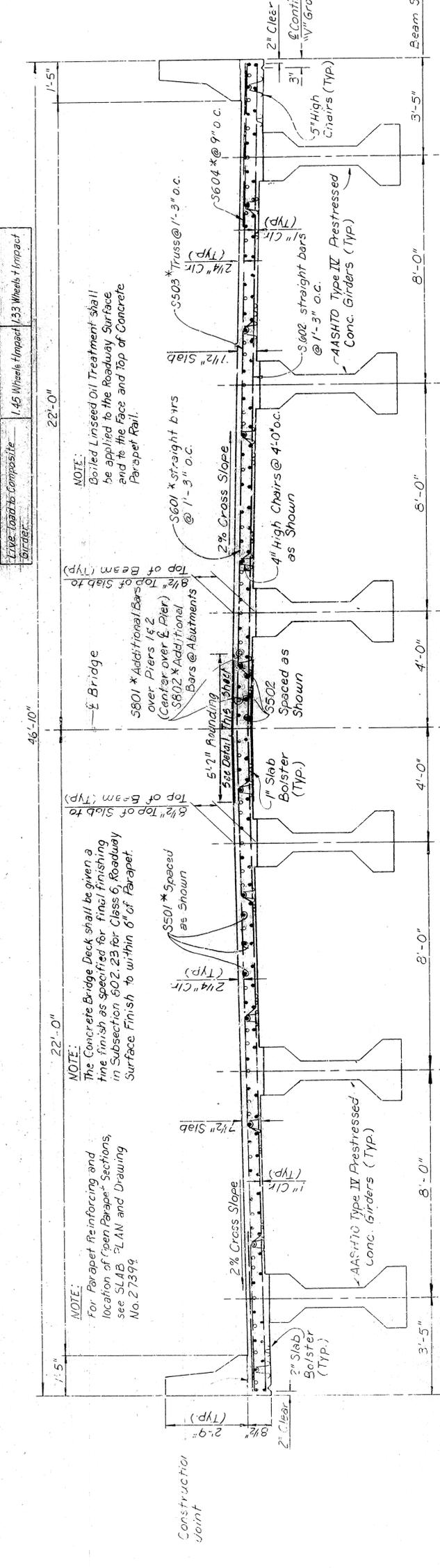
REVISED	DATE	BY	REASON

REVISED	DATE	BY	REASON

VARIABLES FOR PARAPET RAILING

"f"	a	b	c	k	m
13'-0"	2'-0"	9'-0"	4 3/4"	2 1/2"	8
13'-0 7/8"	2'-0"	9'-0 7/8"	4 3/4"	2 1/2"	8

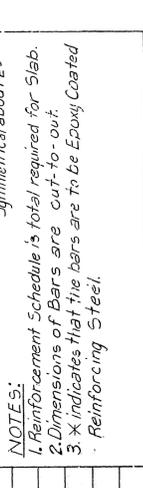
NOTES:
 1. For Parapet Reinforcing and Bending Diagrams, see Dwg. No. 27399
 2. For Abutment Backwall Reinforcing, see Framing Plan, Dwg. No. 27356.



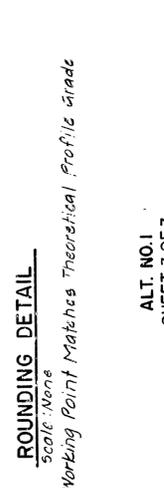
TYPICAL SECTION
 Scale: 1/2" = 1'-0"

REINFORCEMENT SCHEDULE

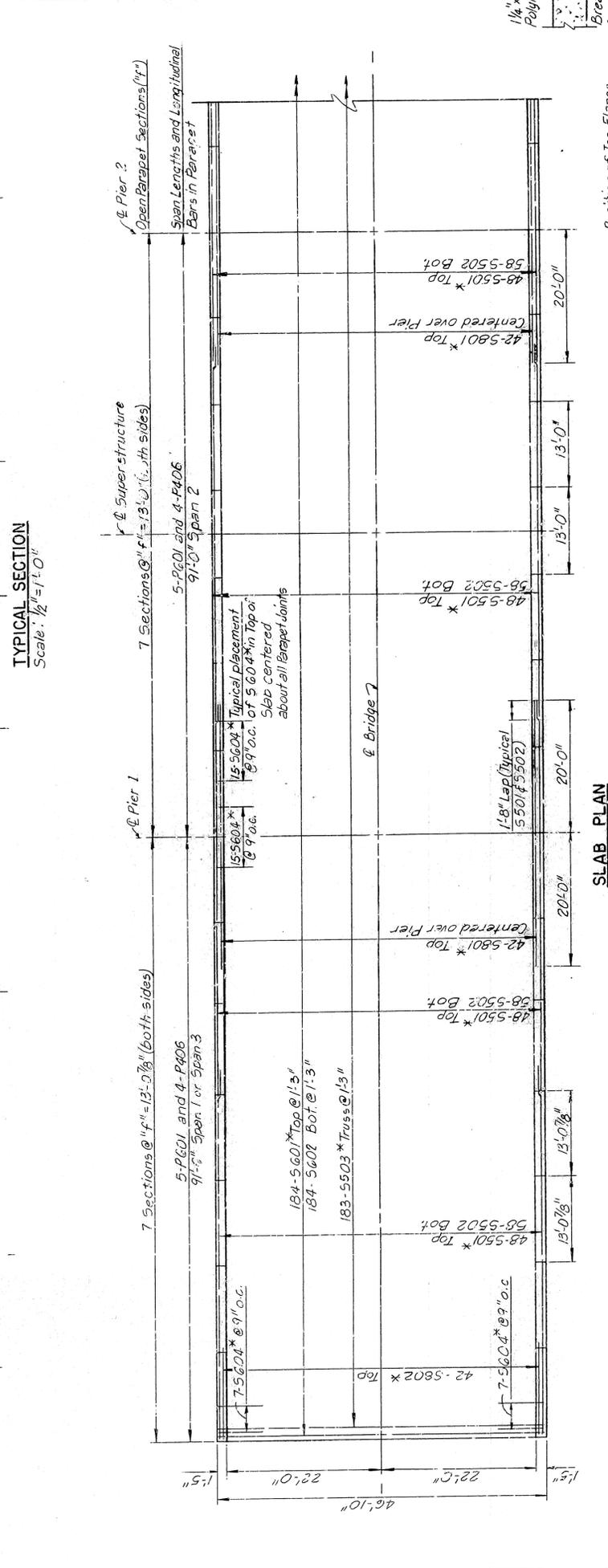
MARK	NO.	LENGTH	PIN DIA.	BENDING DIAGRAM
S501*	240	56'-5"	5fr.	
S502	290	56'-5"	5fr.	
S503*	219	47'-6 1/2"	2 1/2"	
S601*	219	46'-6"	5fr.	
S602*	219	40'-6"	5fr.	
S604*	628	5'-0"	5fr.	
S801*	84	40'-0"	5fr.	
S802*	84	16'-9 1/2"	6"	
P401	420	6'-3"	2"	
P402	420	7'-0"	2"	
P404	378	3'-6"	2"	
P405	378	6'-1"	2"	
P406	168	12'-8"	5fr.	
F601	210	12'-8"	5fr.	



NOTES:
 1. Reinforcement Schedule is total required for Slab.
 2. Dimensions of Bars are cut-to-out.
 3. * Indicates that tie bars are to be Epoxy Coated Reinforcing Steel.

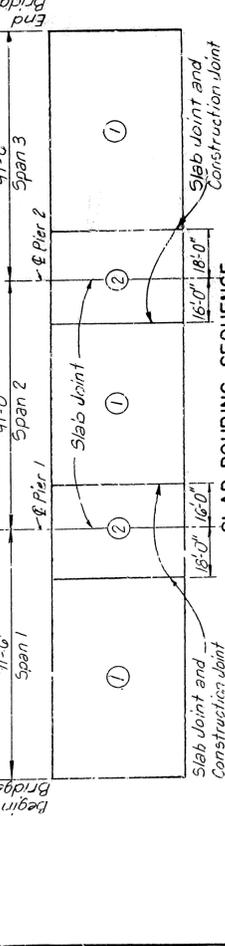


ROUNDING DETAIL
 Scale: None
 NOTE: Working Point Matches Theoretical Profile Grade

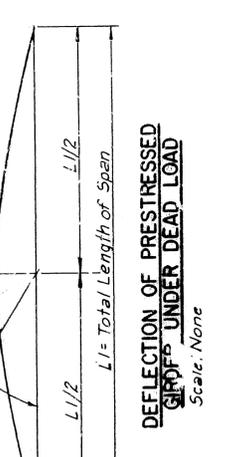


SLAB PLAN
 Scale: 1/2" = 1'-0"

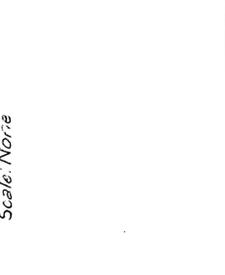
NOTE:
 Pours with same number may be placed simultaneously or separately. All pours must be placed before pours can be placed. 48 hours shall elapse between pours, except 72 hours shall elapse between adjacent pours. Slab joints at construction joints not required if slab is poured continuously. All railing pours made before entire slab unit has been placed must be approved by the Engineer.



SLAB POURING SEQUENCE
 Scale: None



DEFLECTION OF PRESTRESSED GIRF UNDER DEAD LOAD
 Scale: None

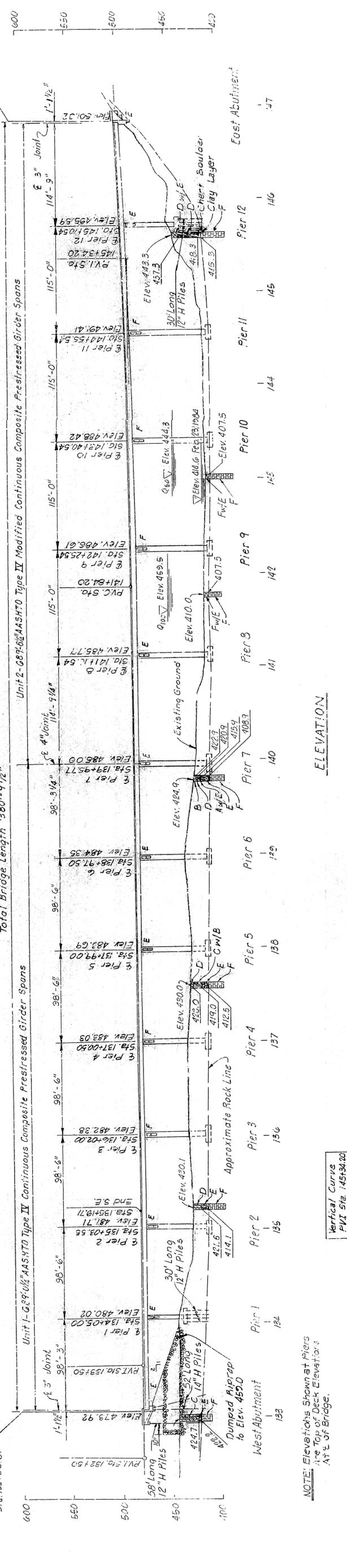
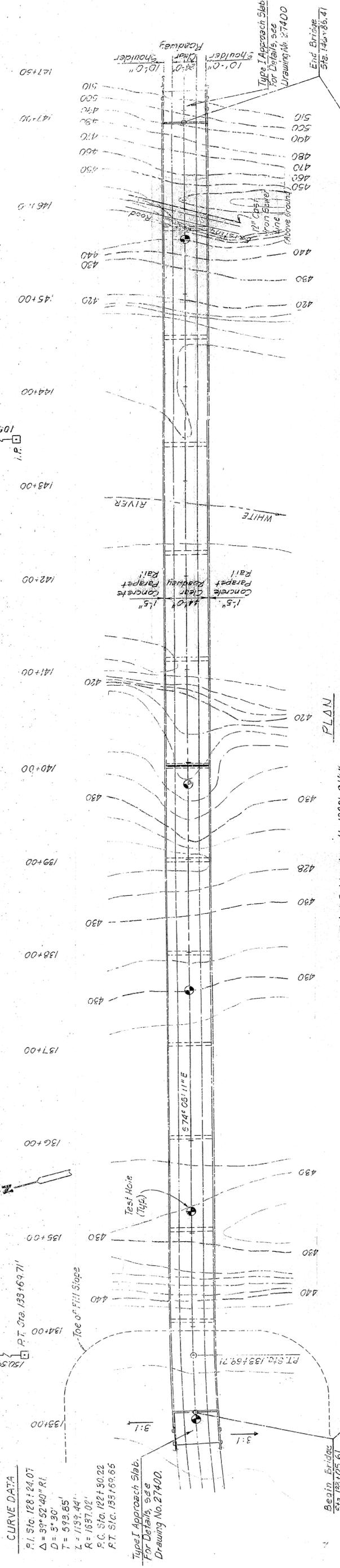


SLAB JOINT DETAIL
 Scale: None

ALT. NO. 1
 SHEET 3 OF 3
 DETAILS OF PRESTRESSED GIRDER SPANS
 FALLEN ASH CREEK BRIDGE
 MARION COUNTY
 ROUTE SEC.
 ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 DRAWN BY: P.B.E. DATE: 10/27/55
 CHECKED BY: J.H.W. DATE: 11/10/55
 OBSERVED BY: J.H.W. DATE: 11/10/55
 BRIDGE NO. 6056
 DRAWING NO. 27357

DATE FILMED	DATE REVISION	DATE FILMED	DATE REVISION	DATE FILMED	DATE REVISION
DATE FILMED		DATE REVISION		DATE FILMED	

6059 PLAN AND ELEV. ALT. 1 27358
 JOB NO. 4783 05 166



GENERAL PLAN AND ELEVATION
WHITE RIVER BRIDGE
 U.S. HIGHWAY 62

AL.T. NO. 1
 SHEET 1 OF 1

CONSTRUCTION SPECIFICATION: ARKANSAS STATE HIGHWAY COMMISSION
 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION
 OF 1978, AND APPLICABLE SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: A.A.S.H.T.O. STANDARD SPECIFICATIONS FOR
 HIGHWAY BRIDGES, 1983 EDITION.

DESIGN LIVE LOADING: HS 20 FATIGUE LOAD CYCLE: CASE 11

METHOD OF DESIGN: LOAD FACTOR

UNIT STRESSES:

CLASS S CONCRETE (PRESTRESSED GIRDER ONLY)	F _c	5,500 PSI
CLASS S CONCRETE	F _c	3,500 PSI
CLASS S (AE) CONCRETE	F _c	3,500 PSI
REINFORCING STEEL (GR. 60)	F _y	60,000 PSI
STRUCTURAL STEEL ASTM (A36)	F _y	36,000 PSI
CASTING (A27 GR. 70)	F _y	40,000 PSI
PRESTRESSING STRANDS	F _y	270,000 PSI
PILE BEARING CAPACITY	HP 14 X 73	70 TONS
	HP 14 X 73	96 TONS

NOTE: Elevations Shown at Piers Are Top of Deck Elevation At E of Bridge.

NOTE: From Begin of Bridge to End of Super-elevation Transition at Sta. 135+19.71, Control Point For Elevations is Outside Edge of Pavement. See Sheet 29 For Details of Super-elevation Transition.

DISCHARGE	ELEV.	WATERWAY AREA
0.50	145.000	444.3
9.00	305.000	459.5
		39,800

MARION AND BAXTER COUNTIES
 ROUTE
 ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.

DRAWN BY: J.D.T. DATE: MARCH 1985
 CHECKED BY: T.B.H. DATE: MARCH 1985
 DESIGNED BY: J.D.B. DATE: MARCH 1985

SCALE: 1" = 50'

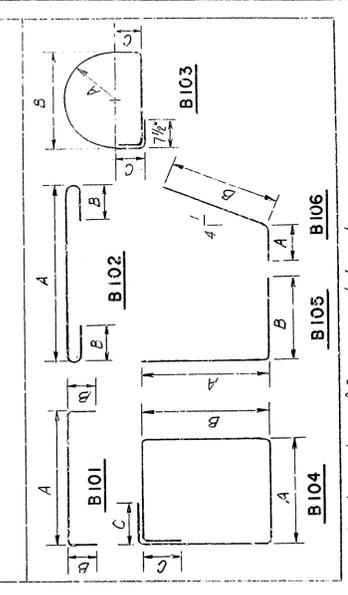
BRIDGE ENGINEER

BRIDGE NO. 6059 DRAWING NO. 27358

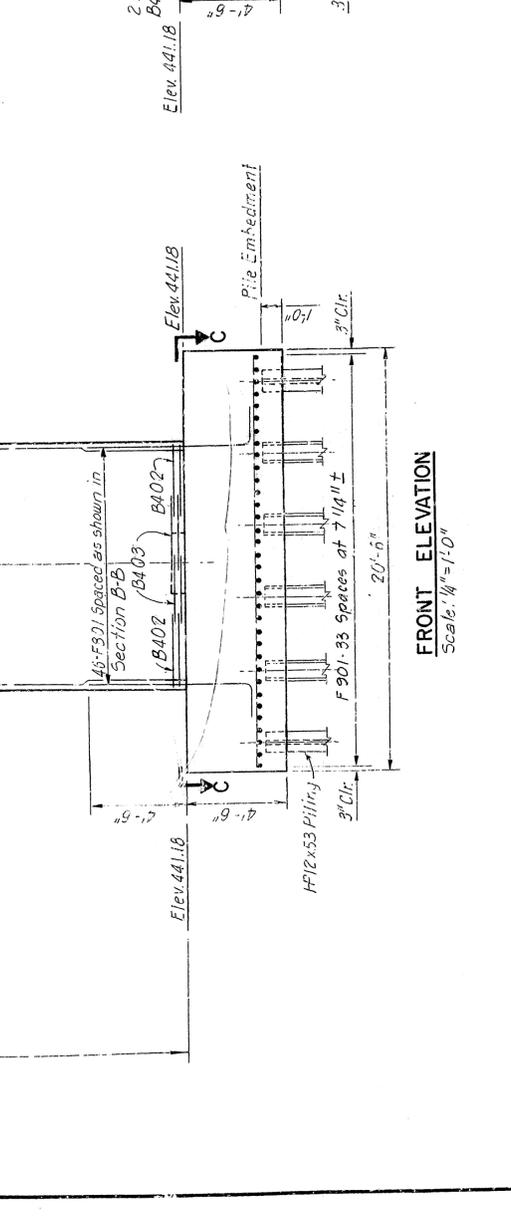
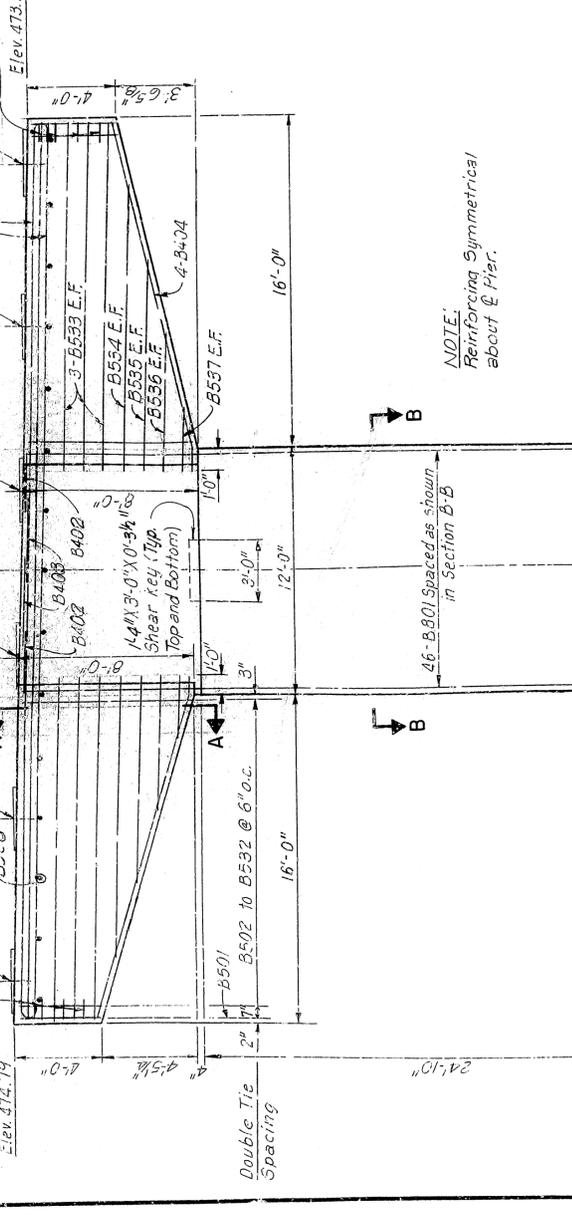
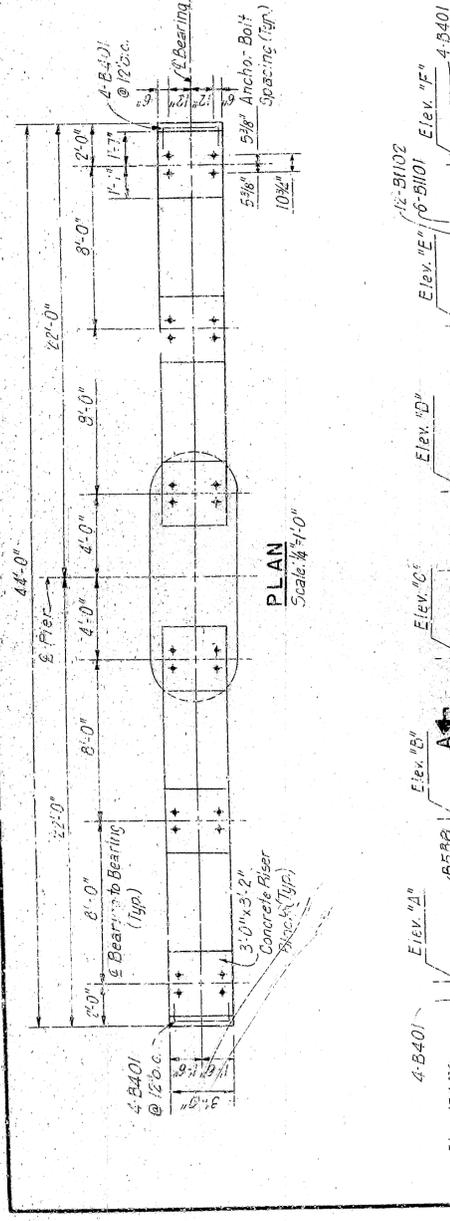
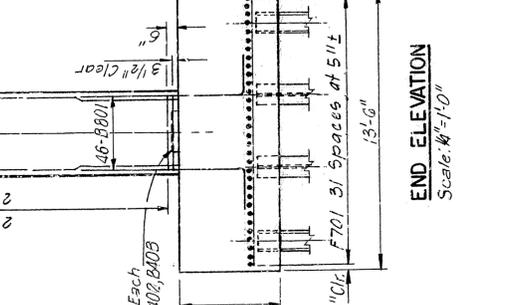
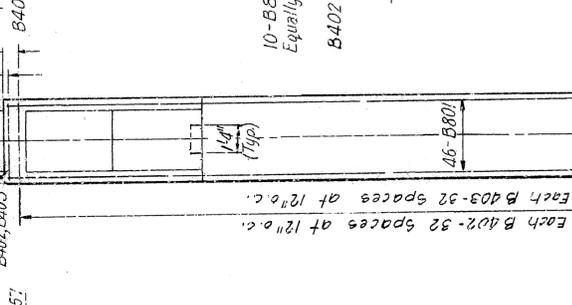
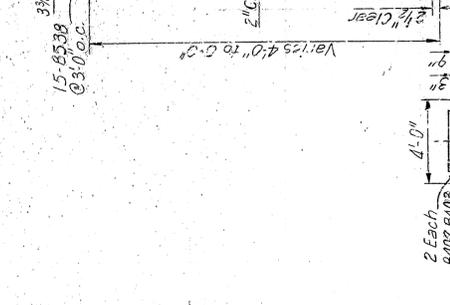
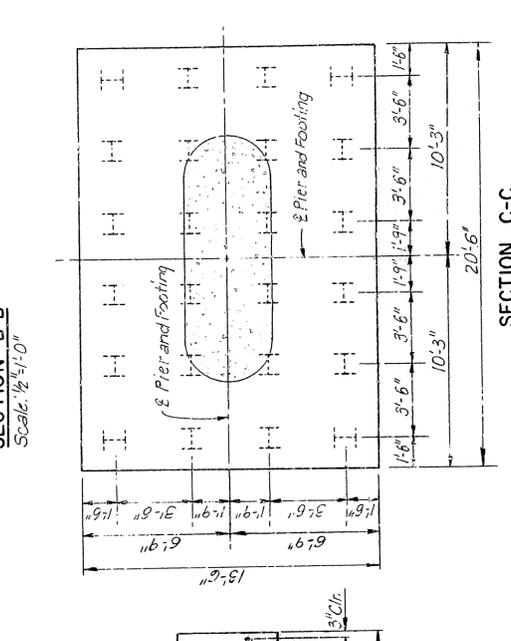
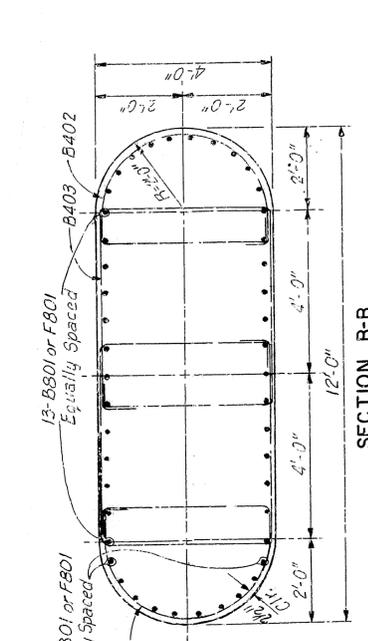
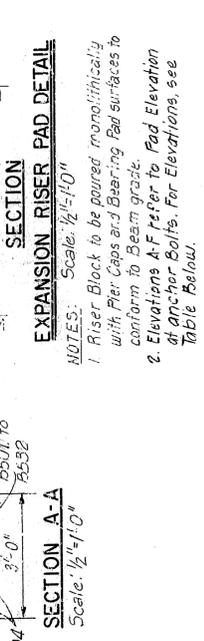
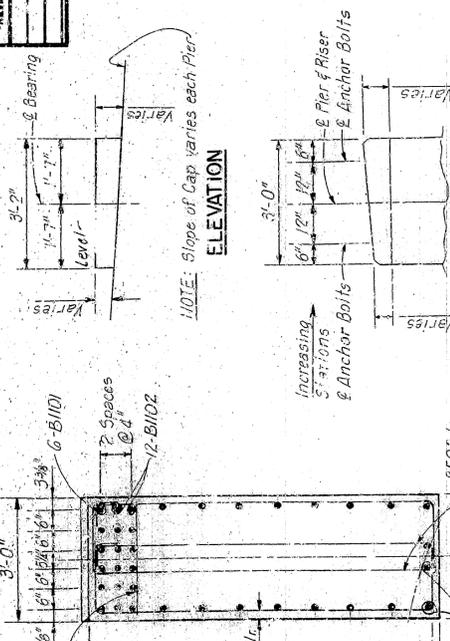
PROJECT NO.	6	DATE	1-23-53	PIER NO.	48	PIER DIMENSIONS	27361
REVISED		BY		JOB NO.			
DATE		BY					
BY		DATE					

REINFORCEMENT SCHEDULE

MARK	NO.	LENGTH	BAR TYPE	DIMENSIONS
				A B C
B401	13	4'-4 1/2"	13-101	2'-0" x 2'-0"
B402	70	17'-8"	2" B103	13'-0" x 20'-0"
F403	70	17'-8"	2" B104	3'-7" x 9'
B404	8	17'-2"	2" B106	4'-13" x 7 1/2"
B501	4	17'-5 1/2"	2 1/4" B104	3'-7" x 9'
B502 to B532	4	Varies 11'-11"	2 1/2" B104	Varies 3'-9 1/2" to 9' 1/4"
B533	12	16'-10"	5#	Each to 19'-6 1/2"
B534	4	13'-8"	5#	
B535	4	9'-8"	5#	
B536	4	9'-8"	5#	
B537	4	2'-8"	5#	
B538	75	2'-8"	5#	
B801	46	32'-6"	5#	43'-3"
B101	6	46'-10"	11#	B102 43'-3"
B102	12	43'-8"	5#	1'-0 1/2"
F701	22	20'-0"	5#	
F801	46	8'-8 1/2"	G	B105 7'-7"
F901	34	13'-0"	5#	1'-4"



NOTE: Dimensions of Bars are out-to-out.



VARIABLES FOR BEARING ELEVATIONS

BEARING	A	B	C	D	E	F
PIER NO. 1	474.86	474.64	474.42	474.20	473.98	473.76
PIER NO. 2	474.88	474.66	474.44	474.22	474.00	473.78

ALT. NO. 1
SHEET 1 OF 1
DETAILS OF PIER 1
WHITE RIVER BRIDGE

MARION AND BAXTER COUNTIES
ROUTE 1
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

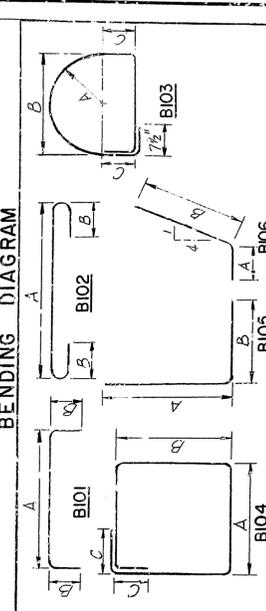
DESIGNED BY: J. S. B. DATE: 12/22/52
CHECKED BY: H. O. P. DATE: 1/23/53
SCALE: 1/4"=1'-0"

BRIDGE NO. 6059
DRAWING NO. 27361

BRIDGE ENGINEER

PROJECT	ROUTE	NAME	DATE	FED. AID PROJ. NO.	TOTAL SHEETS
	6	ARK.	9/18/3		50
6039 DETAILS OF PIERS 7 & 8					

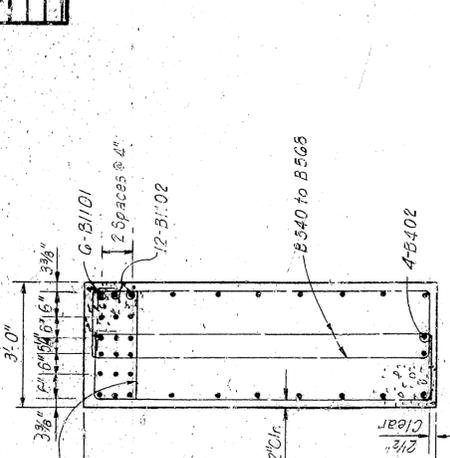
MARK	NO.	LENGTH	PIN DIA.	TYPE	DIMENSIONS	
					A	B
COMMON BARS						
F401	33	15'-6"	5/8"	Sfr.		
F402	17	31'-6"	5/8"	Sfr.		
F701	16	15'-6"	5/8"	Sfr.		
F901	17	15'-6"	5/8"	Sfr.		
F1001	42	13'-4 1/2"	5/8"	Sfr.		
F1001	34	31'-6"	5/8"	Sfr.		
B402	16	17'-4"	2"	B104	11'-0 1/2"	3'-4"
B403	138	16'-8"	2"	B104	11'-0 1/2"	15'-3"
B404	27	19'-7 1/2"	2"	B104	3'-5 1/2"	5'-7 1/2"
B407	138	19'-7 1/2"	2"	B104	3'-5 1/2"	5'-7 1/2"
B408	27	2'-10"	5/8"	B101	2'-2"	1'-4"
B409	12	6'-4 1/2"	5/8"	B101	4'-6 1/2"	1'-0"
B502	16	16'-10"	5/8"	Sfr.		
B503	4	13'-3"	5/8"	Sfr.		
B504	4	9'-0"	5/8"	Sfr.		
B505	4	5'-0"	5/8"	Sfr.		
B506	4	18'-11"	2 1/2"	B104	3'-4 1/2"	Varies 5'-1 3/4" to 6'-7 1/2"
B512	Each	21'-11"	2 1/2"	B104	3'-4 1/2"	Varies 6'-9 3/4" to 9'-1 1/2"
B513 to B525	Each	21'-6"	2 1/2"	B104	3'-4 1/2"	Varies 6'-9 3/4" to 9'-1 1/2"
B526	15	4'-8"	5/8"	Sfr.		
B536	6	43'-8"	5/8"	Sfr.		
B537	45	5'-2"	5/8"	B101	2'-4"	1'-6"
B538	5	7'-8"	5/8"	Sfr.		
B539	7	5'-9"	2 1/2"	B101	2'-9"	1'-8"
B1002	42	33'-5 1/2"	5/8"	Sfr.		
B1003	8	46'-6"	10"	B02	43'-8"	11'-0"
B1007	17	43'-8"	5/8"	Sfr.		
B401	16	4'-4 1/2"	2"	B101	2'-6 1/2"	1'-0"
B402	8	17'-4"	2"	B106	1'-0"	16'-4"
B403	142	16'-8"	2"	B103	2'-9 1/2"	5'-7 1/2"
B404	142	19'-7 1/2"	2"	B104	3'-9 1/2"	5'-7 1/2"
B405	12	5'-2"	2"	B101	2'-10"	1'-4"
B406	12	2'-8"	5/8"	Sfr.		
B508	15	2'-8"	5/8"	Sfr.		
B509	4	13'-3"	5/8"	Sfr.		
B504	4	9'-0"	5/8"	Sfr.		
B505	4	5'-0"	5/8"	Sfr.		
B540 to B557	Each	19'-4 1/2"	2 1/2"	B104	1'-7 1/2"	Varies 9'-7 3/4" to 11'-5 3/4"
B558 to B568	Each	15'-7 1/2"	2 1/2"	B104	1'-5 1/2"	Varies 7'-4 3/4" to 9'-1 1/2"
B1001	42	40'-0"	5/8"	Sfr.		
B1002	42	35'-2"	5/8"	Sfr.		
B1101	6	46'-10"	1 1/4"	B02	43'-8"	1'-0 1/2"
B1102	12	43'-8"	5/8"	Sfr.		



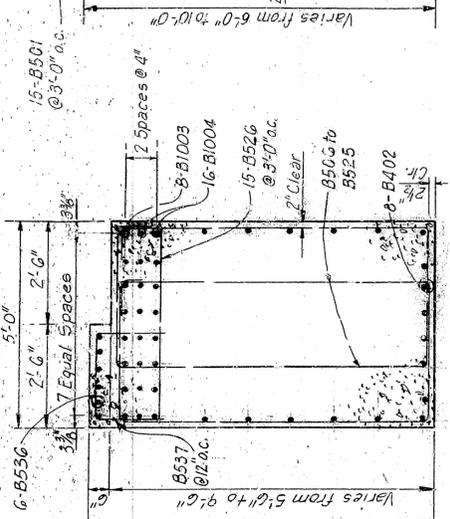
NOTE: Dimensions of Bars are out-to-out

A.T. NO. 1
SHEET NO. 1
DETAILS OF PIERS 7 AND 8
WHITE RIVER BRIDGE

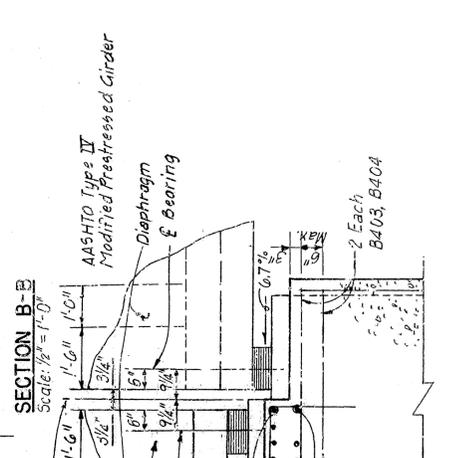
MARION AND DAXTER COUNTIES
ROUTE 50C
ARIZONA STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
DRAWN BY: G.S.B. DATE: 12/25/35
CHECKED BY: H.J.P. DATE: 1/25/36
DESIGNED BY: J.D.B. DATE: 1/25/35
BRIDGE NO. 6059
DRAWING NO. 27363



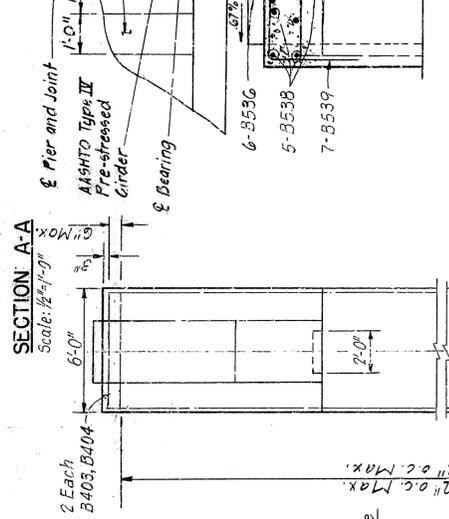
SECTION A-A
Scale: 1/4" = 1'-0"



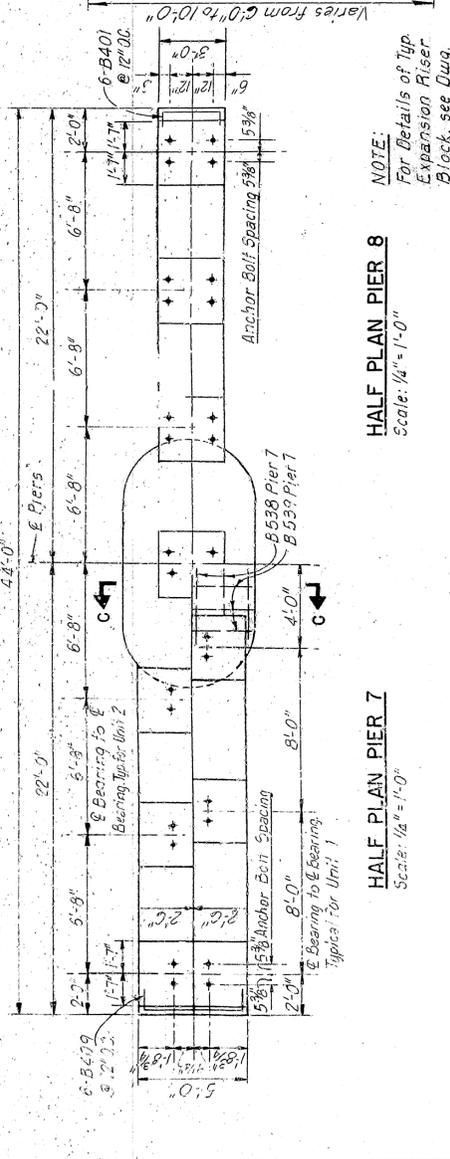
SECTION B-B
Scale: 1/4" = 1'-0"



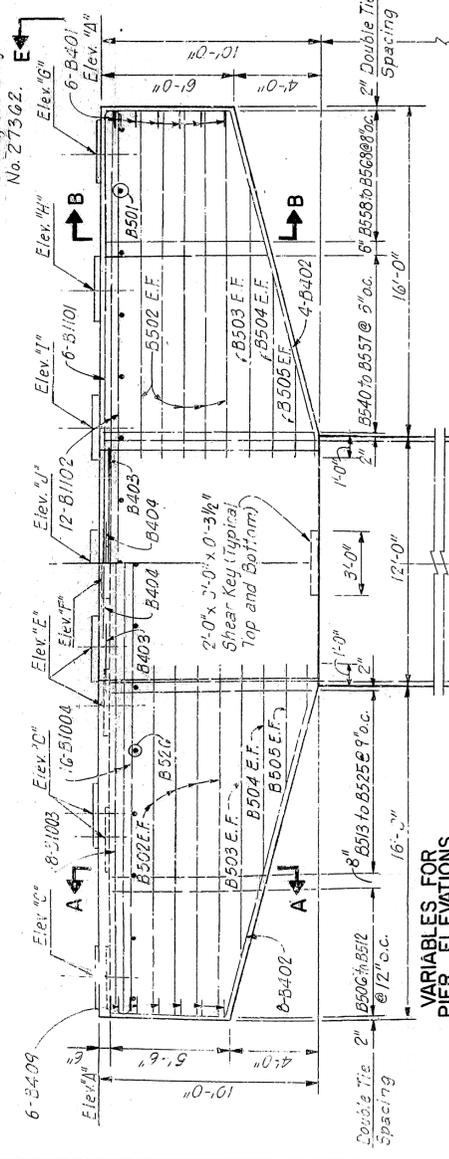
PARTIAL SECTION C-C - PIER 7
Scale: 1/4" = 1'-0"



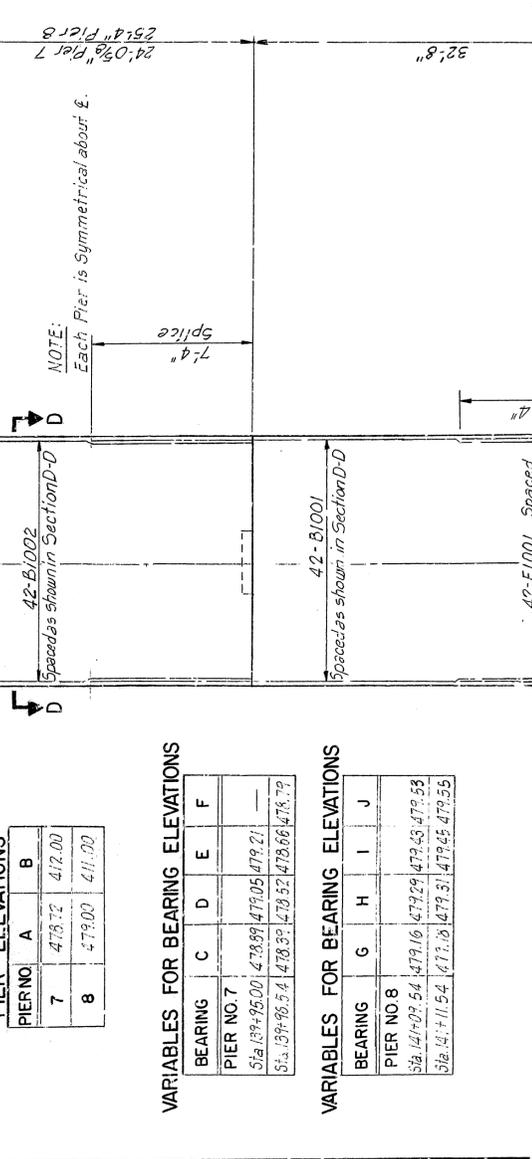
SECTION D-D
Scale: 1/4" = 1'-0"



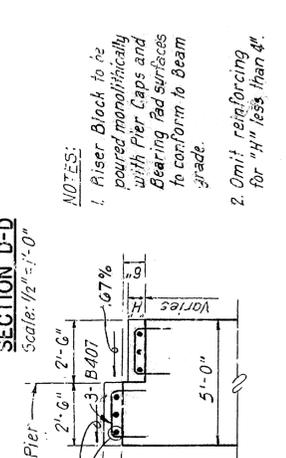
HALF PLAN PIER 7
Scale: 1/4" = 1'-0"



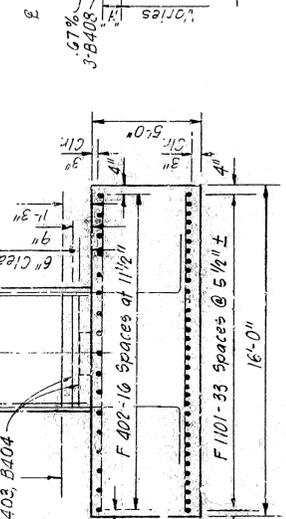
HALF PLAN PIER 8
Scale: 1/4" = 1'-0"



FRONT ELEVATION
Scale: 1/4" = 1'-0"



RISER BLOCK DETAIL FOR PIER 7
Scale: None



END ELEVATION E-E
Scale: 1/4" = 1'-0"

VARIABLES FOR BEARING ELEVATIONS

PIER NO.	A	B
7	473.12	412.00
8	473.00	411.00

VARIABLES FOR BEARING ELEVATIONS

BEARING	C	D	E	F
PIER NO. 7				
Sta. 139+95.00	473.89	477.05	479.21	
Sta. 139+96.54	478.37	479.52	479.66	475.79

VARIABLES FOR BEARING ELEVATIONS

BEARING	G	H	I	J
PIER NO. 8				
Sta. 141+07.54	479.16	479.29	479.43	475.53
Sta. 141+11.54	477.16	479.31	479.45	479.55

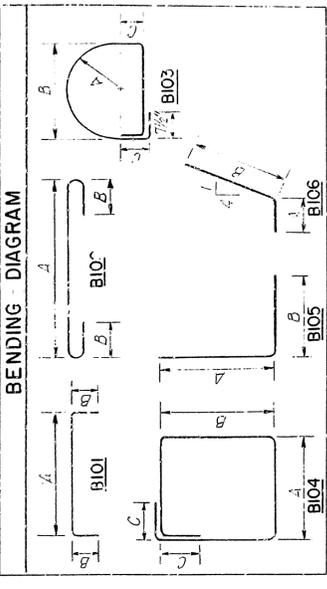
NOTES:
1. Riser Block to be poured monolithically with Pier Caps and Bearing Pad surfaces to conform to beam grade.
2. Omit reinforcing for "H" less than 4".

BRIDGE ENGINEER

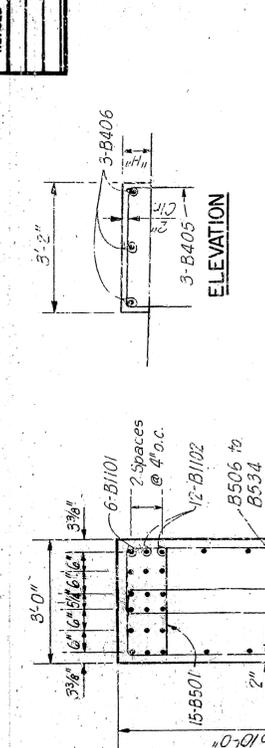
PROJECT NO.	6	ARK	9733	51	166
DATE	12/1/54	DATE	12/1/54	DATE	12/1/54
DESIGNED BY		CHECKED BY		APPROVED BY	

6059 DETAILS PIERS 9, 10 & 11 27364

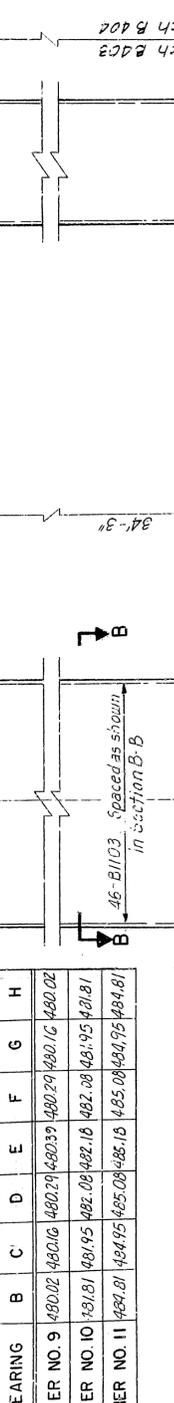
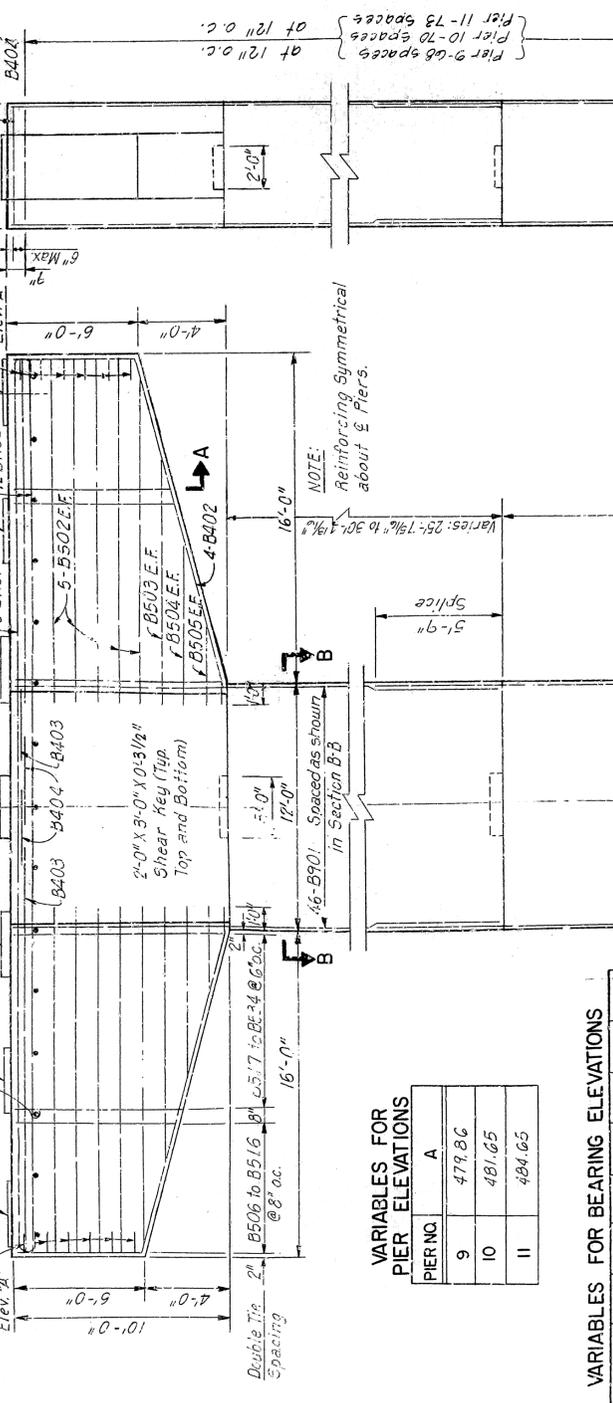
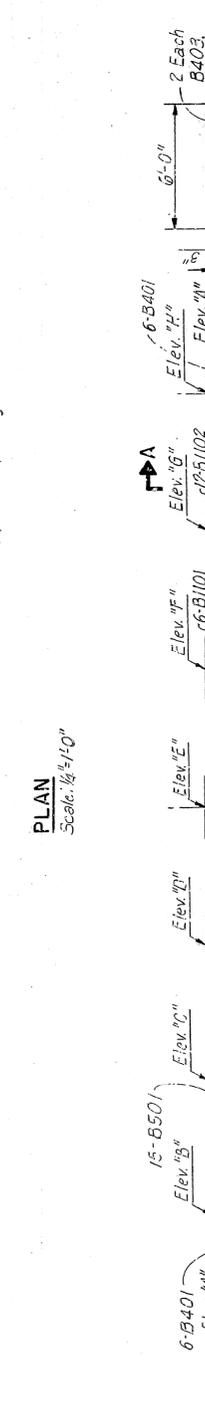
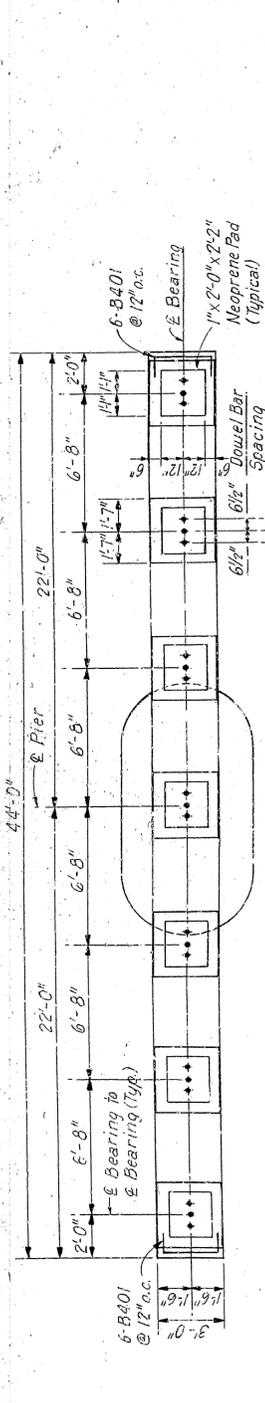
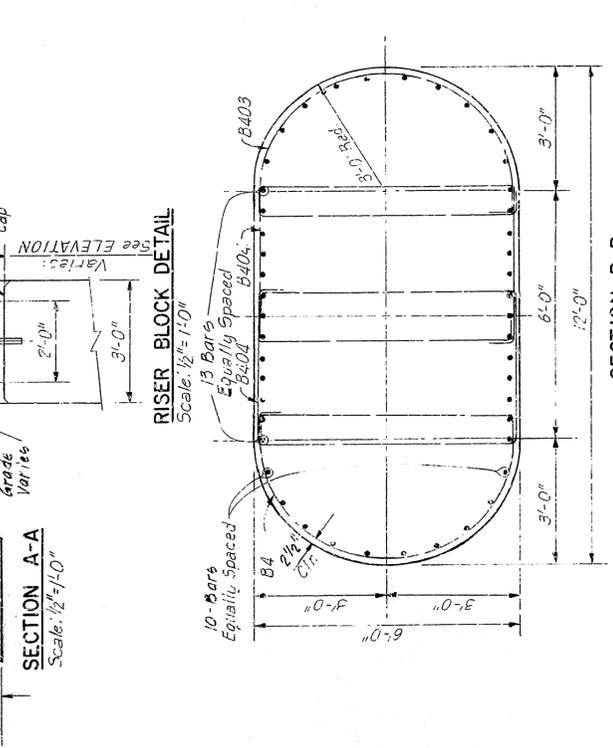
MARK NO.	LENGTH	TYPE	A	B	C
B401	41'-0 1/2"	2"	2 1/2"	2 1/2"	
B402	17'-1 1/4"	2"	1 1/2"	1 1/2"	
B403	5'-2 1/4"	2"	1 1/2"	1 1/2"	
B406	2'-8"	5/8"			
B501	2'-8 1/2"	5/8"			
B502	16'-10"	5/8"			
B503	13'-3"	5/8"			
B504	4'-0"	5/8"			
B505	4'-0"	5/8"			
B506	4	5/8"			
B517	4	5/8"			
B518	4	5/8"			
B519	4	5/8"			
B520	4	5/8"			
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B596	4	5/8"			
B597	4	5/8"			
B598	4	5/8"			
B599	4	5/8"			
B600	4	5/8"			



NOTE: Dimensions of Bars are out-to-out.



NOTES:
 1. Riser Block to be poured monolithically with Pier Caps and Bearing Pad surfaces to conform to Beam grade.
 2. Omit reinforcing for 1/4" H' less than 4".



VARIABLES FOR BEARING ELEVATIONS

BEARING	B	C	D	E	F	G	H
PIER NO. 9	480.02	480.16	480.29	480.39	480.29	480.16	480.02
PIER NO. 10	481.81	481.95	482.08	482.18	482.08	481.95	481.81
PIER NO. 11	484.81	484.95	485.08	485.18	485.08	484.95	484.81

VARIABLES FOR PIER ELEVATIONS

PIER NO.	A
9	479.86
10	481.65
11	484.65

NOTE: Reinforcing Symmetrical about E Piers.

NOTE: 2" B506 to B516 @ 8" o.c. 1/2" x 2" x 2" Neoprene Pad (Typical)

NOTE: 1" x 2" x 2" Neoprene Pad (Typical)

NOTE: 6-B401 @ 12" o.c.

NOTE: 3 #8 Dowel Bars 1" x 2" x 2" Neoprene Pad (Typical)

NOTE: 2 Spaces @ 4" o.c.

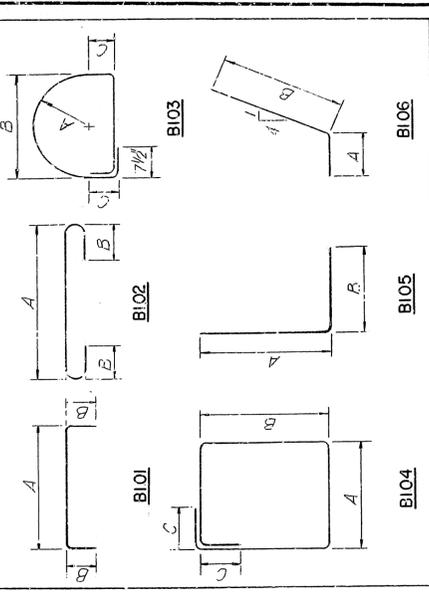
52

PROJECT NO.	6	STATE	ARK.	FED. AID PROJ. NO.		TOTAL SHEETS	166
DATE		DATE		DATE		DATE	
DESIGNED BY		CHECKED BY		DATE		DATE	
DRAWN BY		DATE		DATE		DATE	

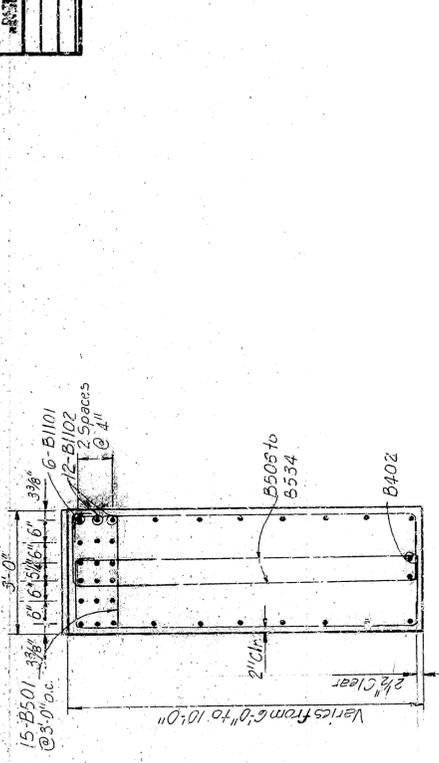
0059-DETAILS OF PIER 12 27365

MARK	NO.	LENGTH	PIA TYPE	A	B	C
B401	12	4'-4 1/2"	B101	2'-6 1/2"	1'-0"	
B402	5	17'-4"	B102	1'-0"	16'-4"	
B403	102	12'-0"	B103	1'-9 1/2"	3'-7"	10'-8"
B404	102	17'-11 1/8"	B104	4'-11 3/8"	3'-7"	7'-2"
B405	15	5'-4"	B105	2'-10"	1'-3"	
B406	15	2'-8"	Str.			
B501	15	2'-8"	Str.			
B502	20	16'-10"	Str.			
B503	4	13'-3"	Str.			
B504	4	9'-0"	Str.			
B505	4	5'-0"	Str.			
B506 to B516	Each	Varies 15'-7"	B104	1'-7 1/2"	Varies 5'-7 3/8"	9'-1 1/4"
B517 to B534	Each	Varies 1'-4"	B104	1'-7 1/2"	Varies 7'-5 3/8"	9'-1 1/4"
B534	Each	Varies 23'-7"	B104	1'-7 1/2"	Varies 7'-5 3/8"	9'-1 1/4"
B901	42	48'-5"	Str.			
B101	3	43'-10"	B102	43'-8"	1'-0 1/2"	
B102	12	43'-8"	Str.			
F801	29	20'-0"	Str.			
F901	42	10'-10"	B105	9'-3 3/8"	1'-7 1/2"	
F902	41	13'-0"	Str.			

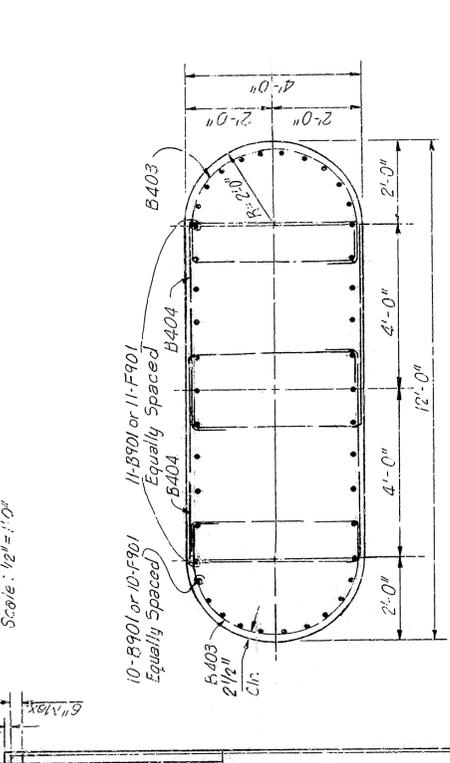
BENDING DIAGRAM



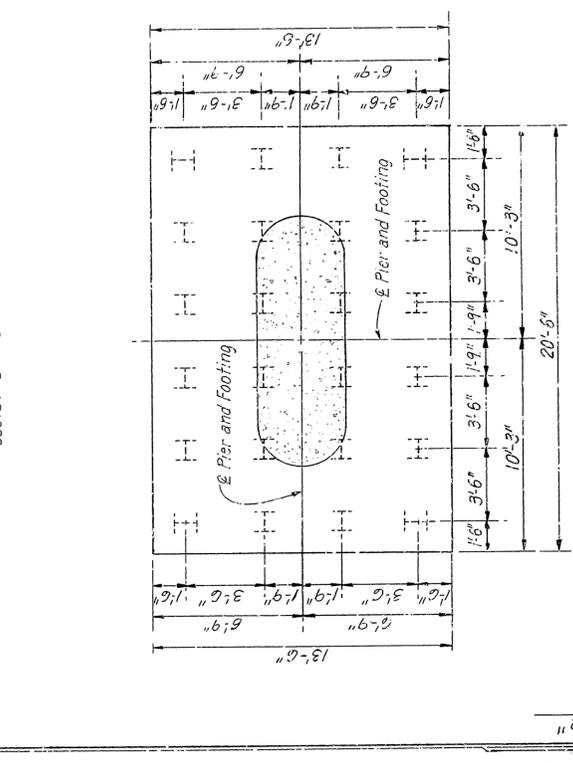
NOTE: Dimensions of Bars are out-to-out.



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



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



SECTION C-C
Scale: 1/4" = 1'-0"

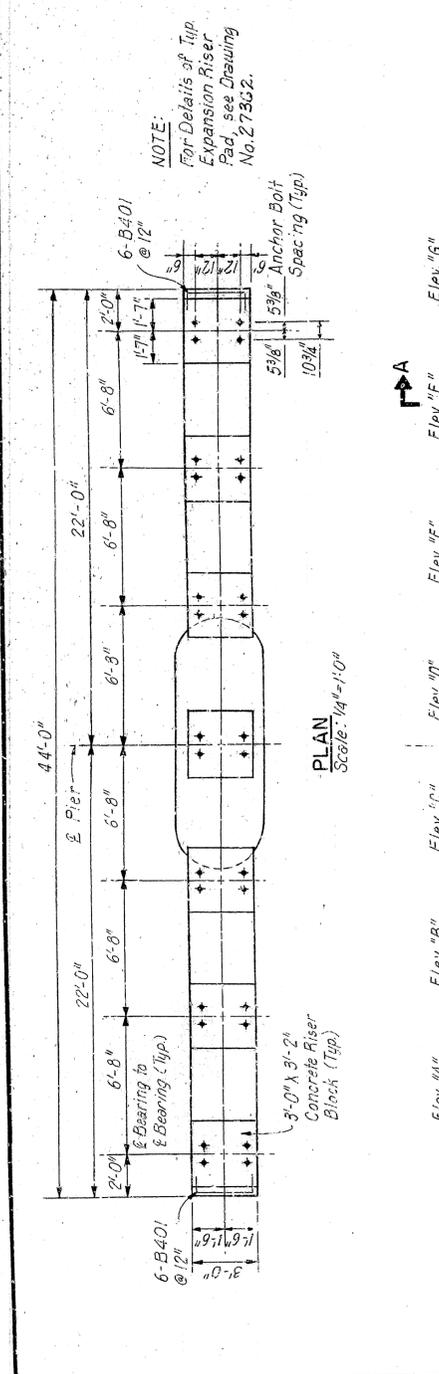
NOTE:
For Details of Tip
Expansion Riser
Pad, see Drawing
No. 27362.

NOTE:
Reinforcing Symmetrical about E

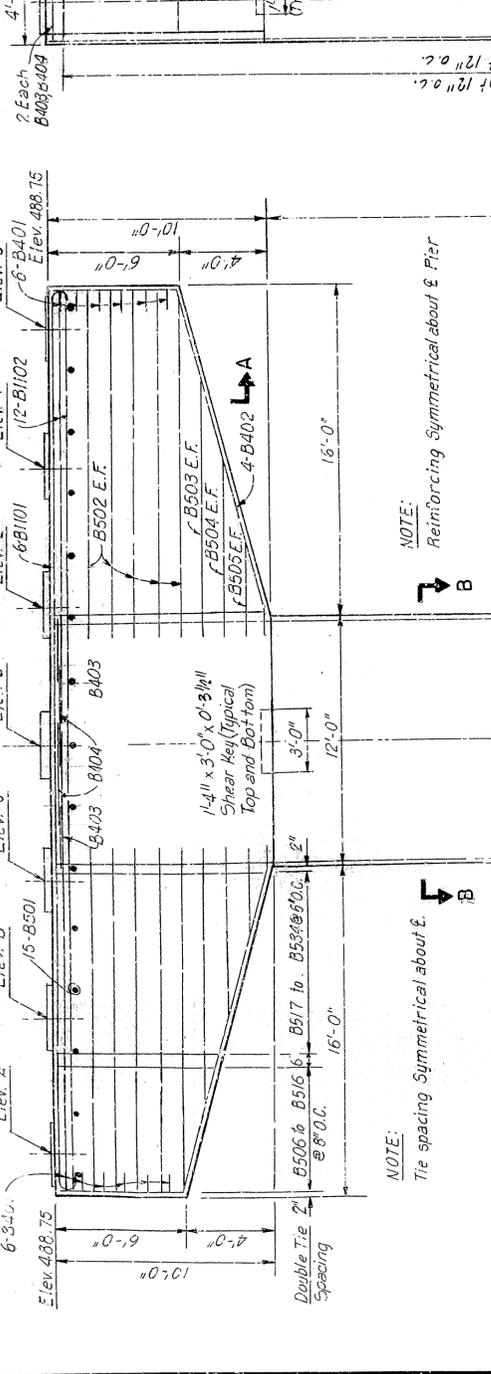
NOTE:
Tie spacing Symmetrical about E.

NOTE:
Reinforcing Symmetrical about E Pier

NOTE:
Dimensions of Bars are out-to-out.



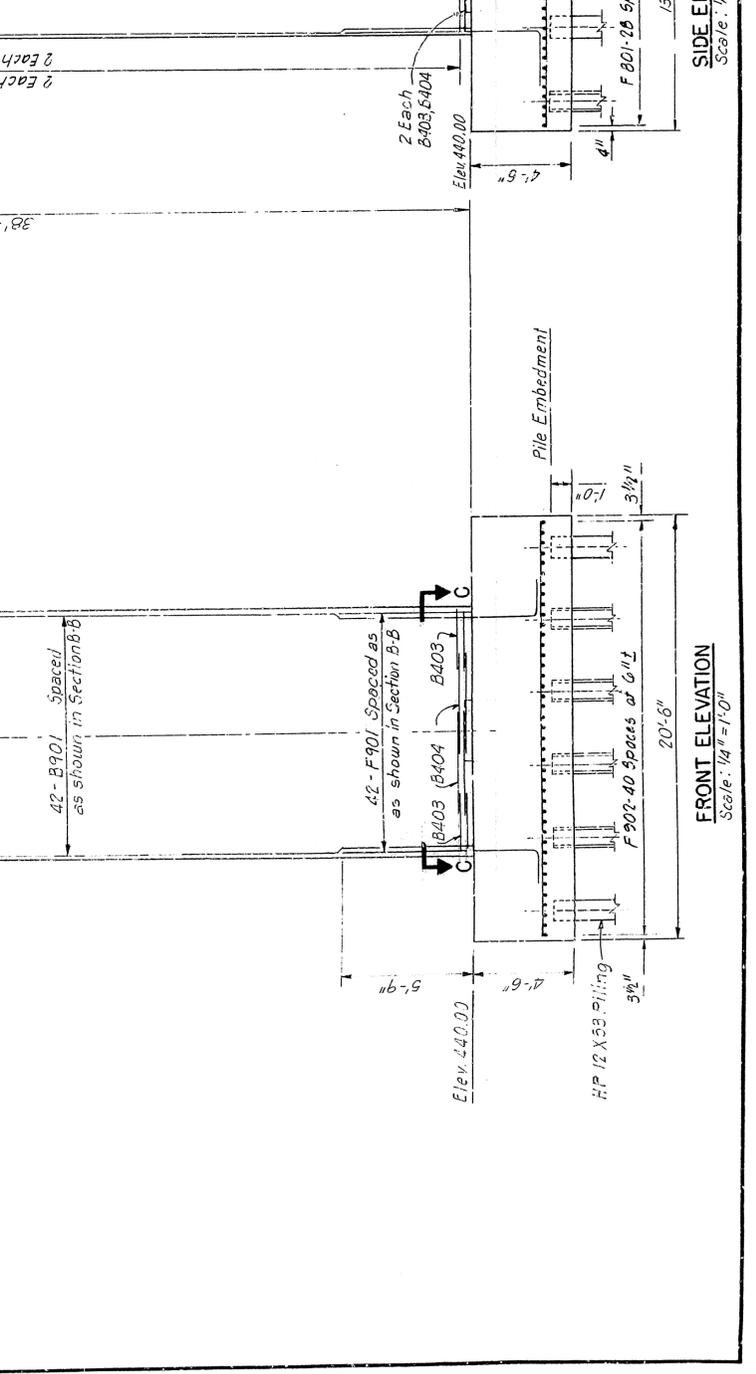
PLAN
Scale: 1/4" = 1'-0"



FRONT ELEVATION
Scale: 1/4" = 1'-0"

VARIABLES FOR BEARING ELEVATIONS

BEARING	A	B	C	D	E	F	G
PIER NO. 12							
Sta. 445+71.54	489.03	489.17	489.31	489.41	489.51	489.61	489.76
Sta. 445+71.54	489.03	489.17	489.31	489.41	489.51	489.61	489.76



SIDE ELEVATION
Scale: 1/4" = 1'-0"

ALT. NO. 1
SHEET 1 OF 1
DETAILS OF PIER 12
WHITE RIVER BRIDGE

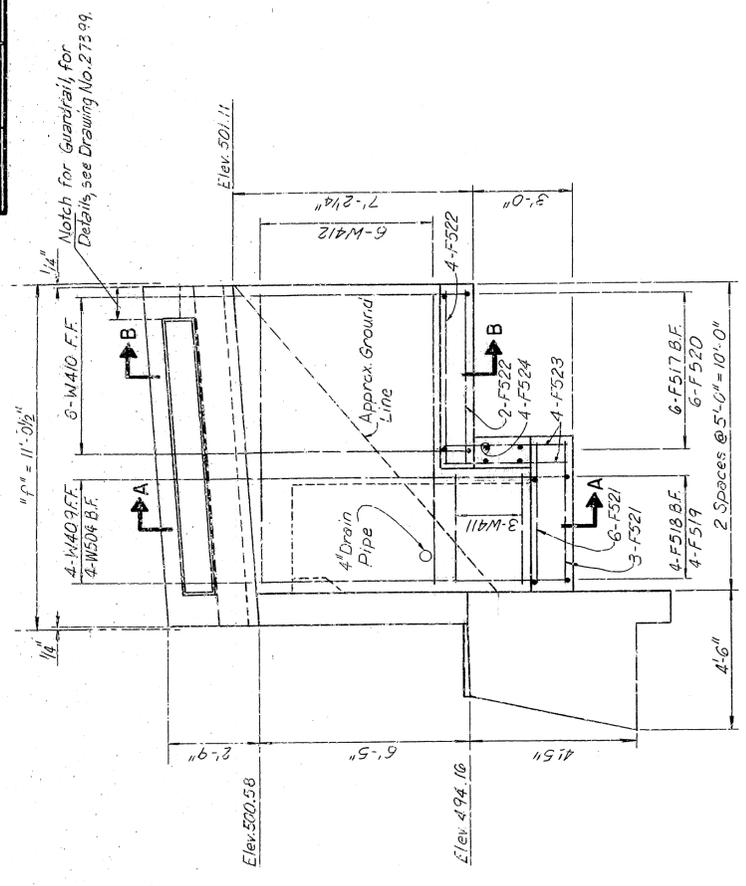
MARION AND BAXTER COUNTIES
ROUTE
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: G.S.B. DATE: MAR 1, 1935
CHECKED BY: H.L.P. DATE: MAR 15, 1935
DESIGNED BY: G.S.B. DATE: MAR 24, 1935

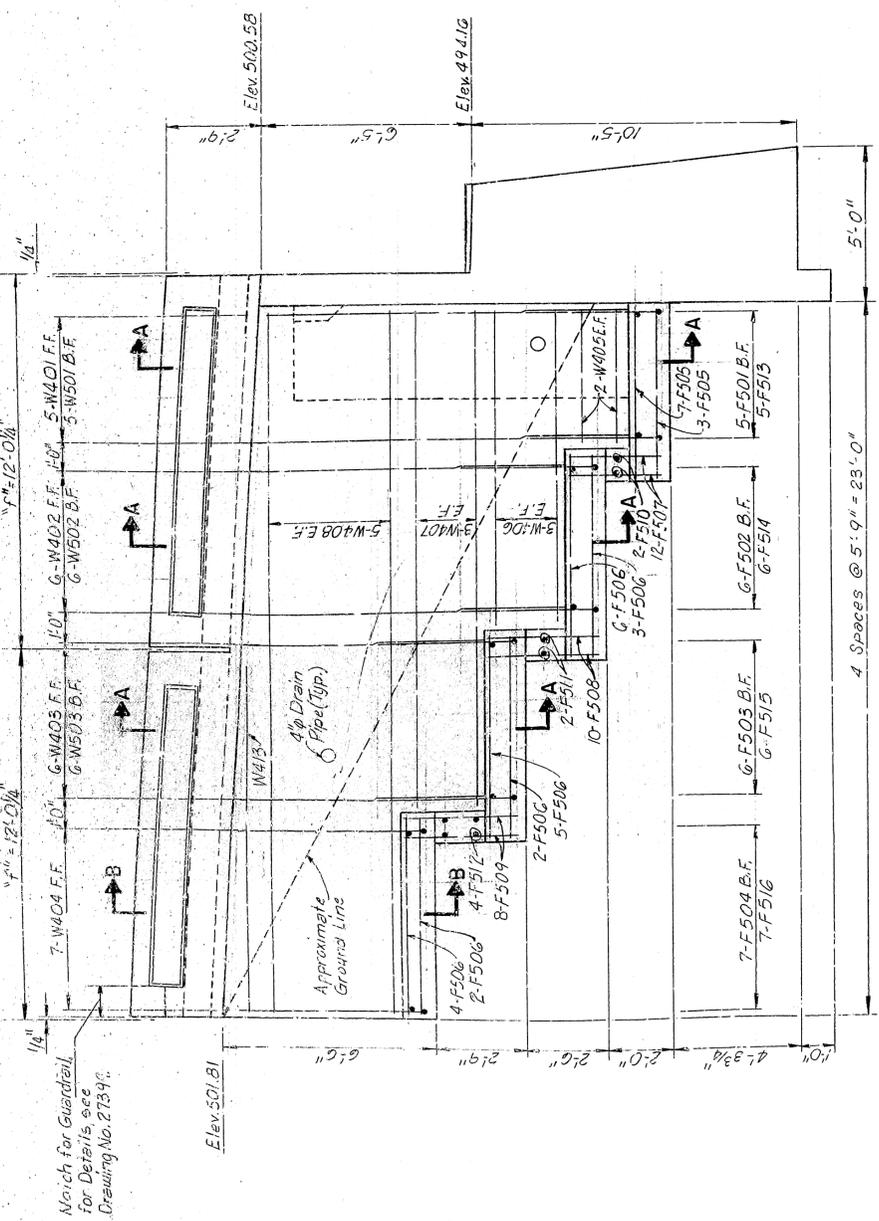
BRIDGE NO. 6059
BRIDGE ENGINEER

BRIDGE NO. 27365

MARK	REINFORCING	STATE	FED. AID PROJ. NO.	TOTAL SHEETS
6	ARK.			
6059	DETAILS OF EAST ABUT.	9183	54	166

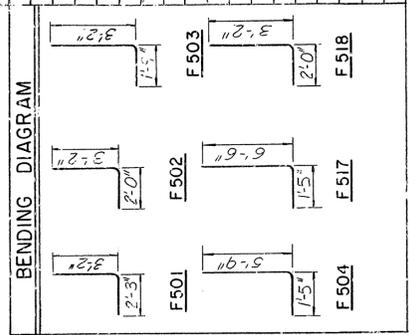


WINGWALL ELEVATION
Scale: 3/8" = 1'-0"



WINGWALL ELEVATION
Scale: 3/8" = 1'-0"

MARK	NO.	LENGTH	PIN DIA.
W401	5	11'-1"	fr.
W402	6	9'-1 1/2"	Str.
W403	6	7'-3"	Str.
W404	7	5'-0"	Str.
W405	4	4'-5"	Str.
W408	6	10'-2"	Str.
W407	6	15'-1"	Str.
W408	10	22'-8"	Str.
W409	4	8'-3"	Str.
W410	6	5'-9 1/2"	Str.
W411	5	3'-8"	Str.
W412	12	9'-8"	Str.
W413	2	12'-0"	Str.
F501	5	5'-4"	2 1/2"
F502	6	5'-1"	2 1/2"
F503	6	4'-10"	2 1/2"
F504	7	7'-1"	2 1/2"
F505	10	5'-5"	Str.
F508	22	6'-5"	Str.
F507	12	2'-10"	Str.
F508	10	3'-4"	Str.
F509	8	3'-4"	Str.
F510	2	4'-5"	Str.
F511	2	3'-2"	Str.
F512	4	2'-7"	Str.
F514	5	5'-3"	Str.
F515	6	4'-5"	Str.
F516	6	3'-2"	Str.
F518	7	2'-7"	Str.
F517	6	7'-10"	2 1/2"
F518	4	5'-1"	2 1/2"
F519	4	4'-5"	Str.
F520	6	3'-0"	Str.
F521	9	4'-8"	Str.
F522	6	5'-8"	Str.
F523	8	3'-7"	Str.
F524	4	3'-0"	Str.
P401	38	6'-3"	2"
P403	38	5'-8"	2"
P406	14	1'-8"	Str.
P407	7	10'-8"	Str.
F401	3	2'-2"	Str.
W501	5	11'-1"	Str.
W502	6	9'-4 1/2"	Str.
W503	4	7'-1 1/2"	Str.
W504	6	8'-2"	Str.



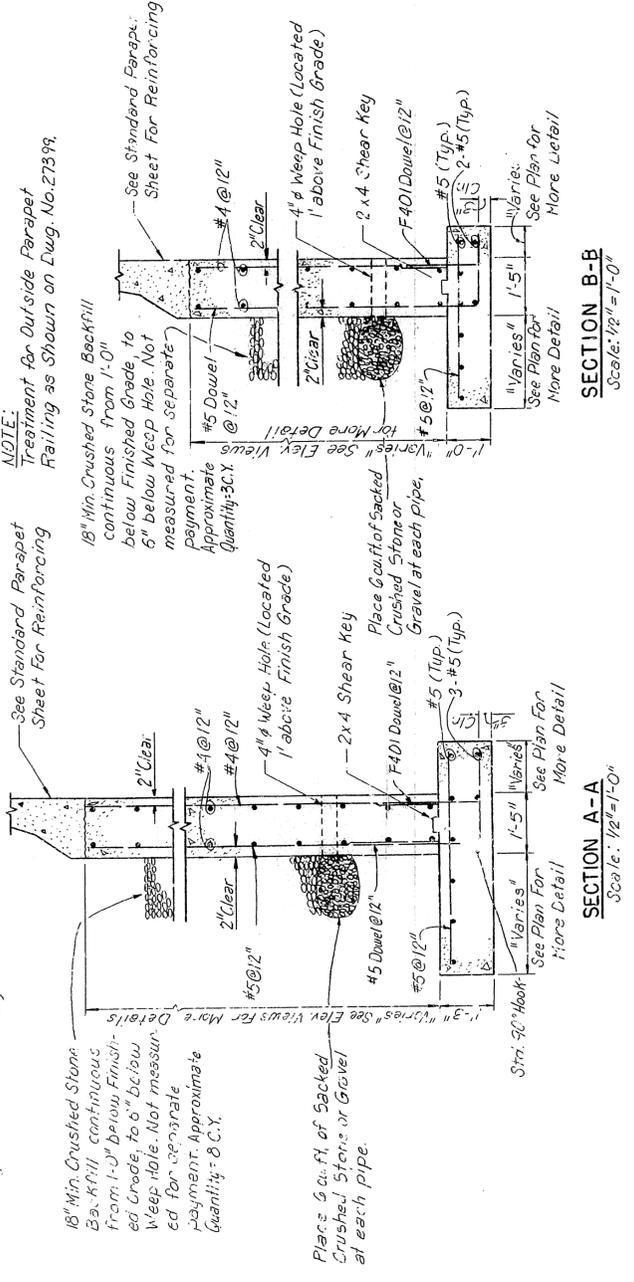
BENDING DIAGRAM

NOTE: Dimensions of Bars are out-to-out.

"t"	CLOSED PARAPET	
	k	n
12'-0 1/4"	2 1/4"	1 1/2"
11'-0 1/4"	2 1/2"	1 1/2"

NOTE:
1. For Parapet Reinforcing and Bending Diagrams See Dwg. No. 27399.

NOTE:
Treatment for Outside Parapet Railing as Shown on Dwg. No. 27399.



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

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

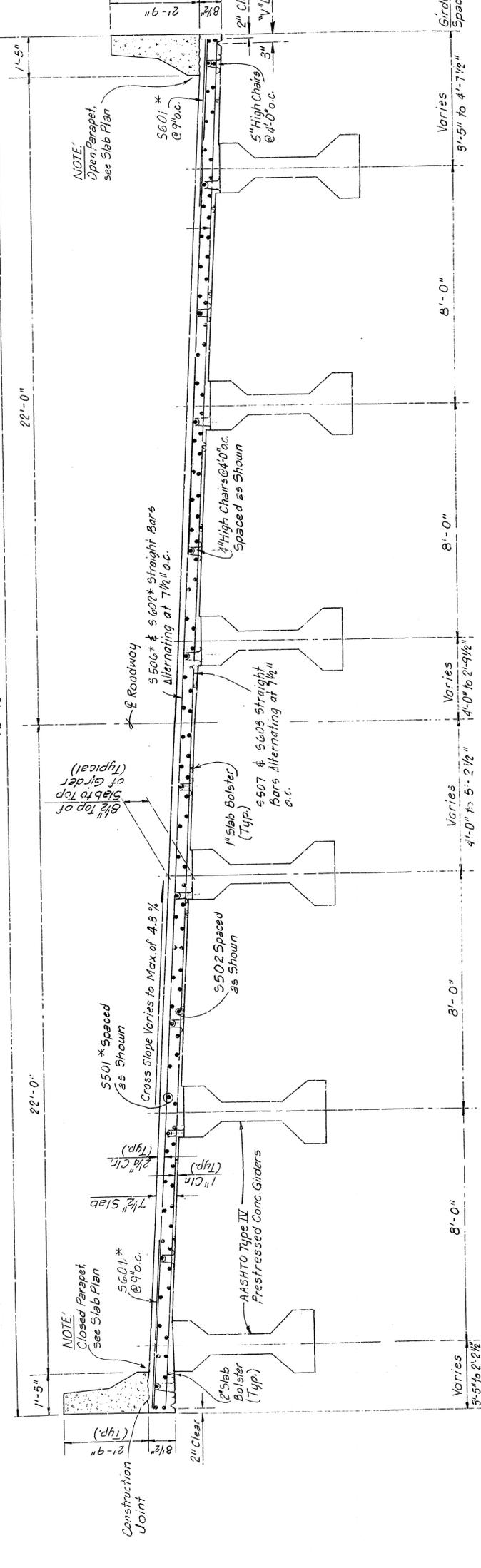
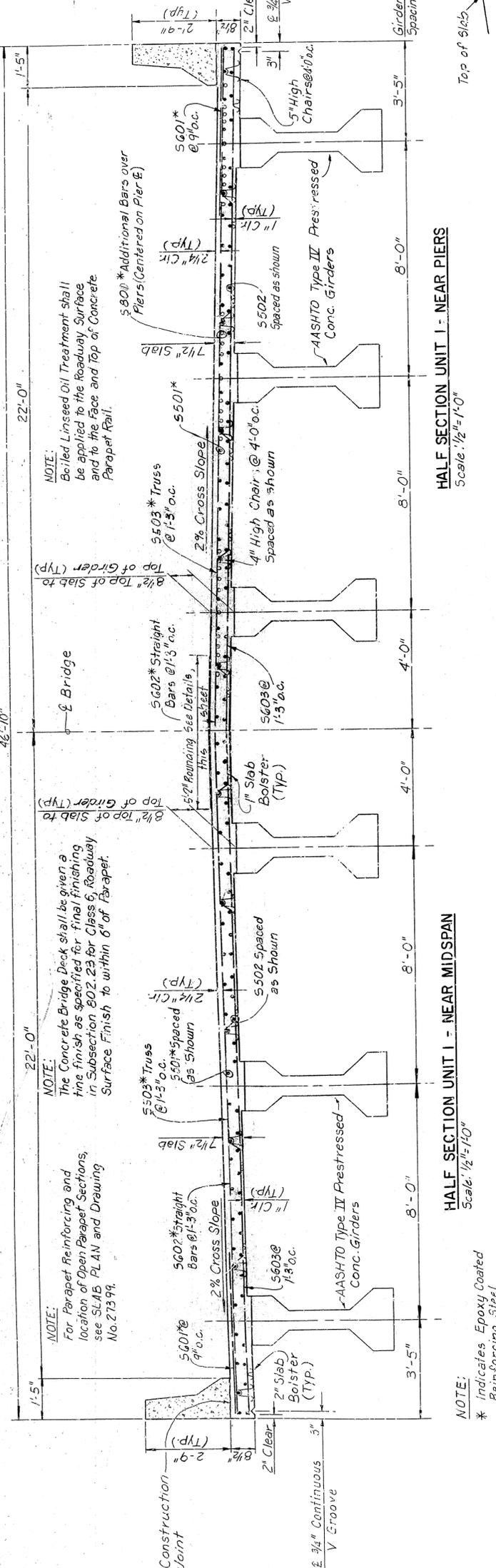
DETAILS OF EAST ABUTMENT
WHITE RIVER BRIDGE

ALT. NO. 1
SHEET 2 OF 2

MARION AND BAXTER COUNTIES
ROUTE 282
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
DRAWN BY: H.B.S. DATE: MARCH, 1945
CHECKED BY: H.W.P. DATE: MARCH, 1945
DESIGNED BY: G.G.W. DATE: MARCH, 1945
SCALE: As Noted
BRIDGE NO. 6059
DRAWING NO. 27367

NO. ROAD DIST.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
6	ARK.	9783	56	106
G059 DTL'S PRESTR GIRD SPNS 27369				

LOAD DISTRIBUTION TABLE	
Dead Load Non-Composite	Interior Girder
Dead Load to Comp. Girder	Exterior Girder
Includes 20 lbs./ft ² for Future Wearing Surface	846 PLF/Girder
Live Loads to Composite Girder	290 PLF
Includes Slab and Diaphragms.	250 PLF
	145 Weeds + Impact



ALT. NO. 1
SHEET 2 OF 7
DETAILS OF PRESTRESSED GIRDER SPANS
WHITE RIVER BRIDGE

MARION AND BAXTER COUNTILS
ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

BRIDGE NO. 6059
DRAWING NO. 27369

SECTION NEAR WEST ABUTMENT
Scale: 1/2" = 1'-0"

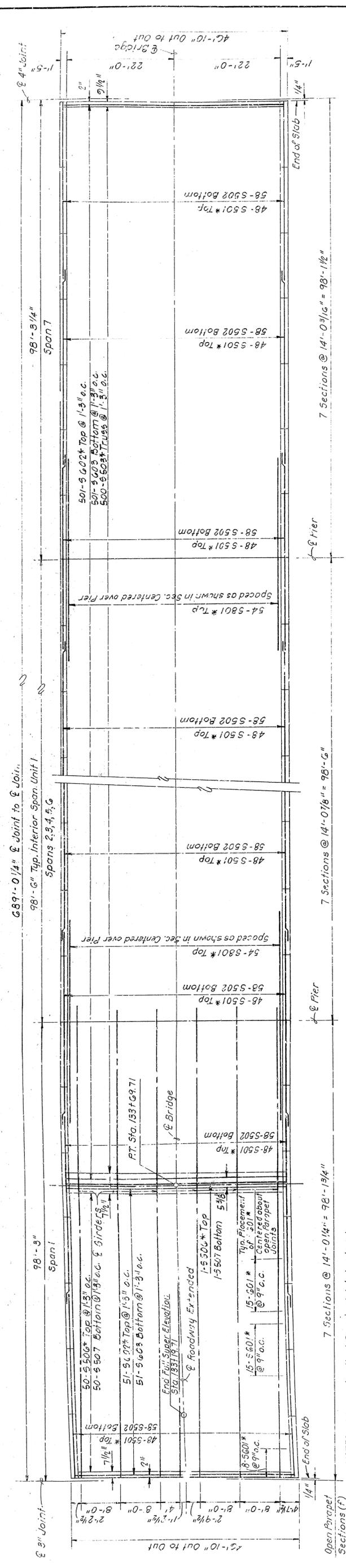
NOTE: See Drawing No. 27370 for Slab Super-elevation Table.

SECTION NEAR WEST ABUTMENT
Scale: 1/2" = 1'-0"

NOTE: * Indicates Epoxy Coated Reinforcing Steel

REVISED	DATE	BY	NO.

FED. PROJ. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.
6	ARK.	9783	57
JOB NO.	059 DTL'S PRESTR. GIRDER SPNS 27370		



SLAB PLAN - UNIT I
Scale: 1/8" = 1'-0"

- NOTES:**
- Longitudinal Bars in slab to be placed with same degree of curve as slab.
 - The first 10 Parapet Sections on north side of roadway are closed Parapet Sections.

VARIABLES FOR PARAPET RAILING

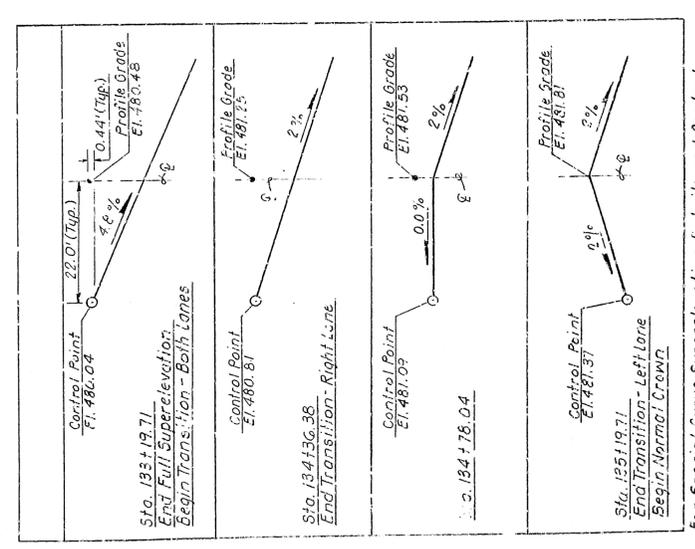
"f"	OPEN PARAPET				CLOSED PARAPET	
	a	b	c	K	n	l
14'-0 1/4"	2'-0"	10'-0 1/4"	4 3/4"	2 1/2"	10	10
14'-0 7/8"	2'-0"	10'-0 7/8"	4 3/4"	2 1/2"	10	10
14'-0 3/4"	2'-0"	10'-0 3/4"	4 3/4"	2 1/2"	10	10
"f"	k	n	l			
14'-0 1/4"	2 1/2"	14				
14'-0 7/8"	2 1/2"	14				

NOTE: For Parapet Reinforcing and Bending Diagrams For P401, P405 See Drawing No. 27370

REINFORCEMENT SCHEDULE - UNIT I

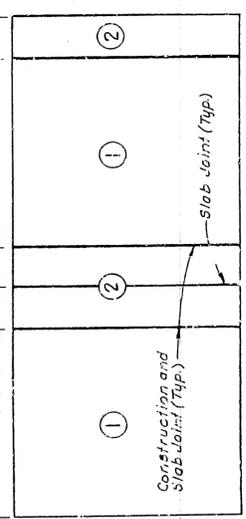
MARK	NO.	LENGTH	BIN DIA.	MARK	NO.	LENGTH	IPIN DIA.
S501*	864	39'-11"	5/8"	P405	968	6'-11"	3/4"
S502	1044	39'-11"	5/8"	P406	422	13'-8"	5/8"
S503*	500	47'-0 1/2"	2 1/2"	P401	440	13'-8"	5/8"
S501*	1322	5'-0"	5/8"	S506*	51	4'-0"	5/8"
S502*	572	4'-0"	5/8"	S507	51	4'-0"	5/8"
S503	572	4'-0"	5/8"				
S801	324	44'-0"	5/8"				
P401	1030	6'-3"	2"				
P402	880	7'-0"	2"				
P403	150	5'-8"	2"				
F404	968	3'-6"	2"				

*NOTE: Dimensions of Bars are out to out. * Indicates Epoxy Coated Reinforcing Steel.*



For Special Curve Super-elevation Details and Control Variables, See Sheet "Special Super-elevation Details".

POURS WITH SAME NUMBERS MAY BE PLACED SIMULTANEOUSLY OR SEPARATELY. ALL POURS MUST BE PLACED BEFORE POURS 1 AND 2 CAN BE PLACED. 48 HOURS SHALL ELAPSE BETWEEN POURS, EXCEPT 72 HOURS SHALL ELAPSE BETWEEN ADJACENT POURS. SLAB JOINTS AT CONSTRUCTION JOINTS NOT REQUIRED IF SLAB IS POURED CONTINUOUSLY. ALL RAILING POURS MADE BEFORE ENTIRE SLAB UNIT HAS BEEN PLACED MUST BE APPROVED BY THE BRIDGE ENGINEER.



SLAB POURING SEQUENCE - UNIT I

ALT. NO. 1
SHEET 3 OF 7
DETAILS OF PRESTRESSED GIRDER SPANS
WHITE RIVER BRIDGE
ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION
MARION AND BAXTER COUNTIES
LITTLE ROCK, ARK.
DRAWN BY: J.H.K. DATE: 10/27/55
CHECKED BY: J.W.B. DATE: 11/1/55
DESIGNED BY: J.W.B. DATE: 10/27/55
SCALE: 1/8" = 1'-0"
BRIDGE NO. 6059
DRAWING NO. 27370

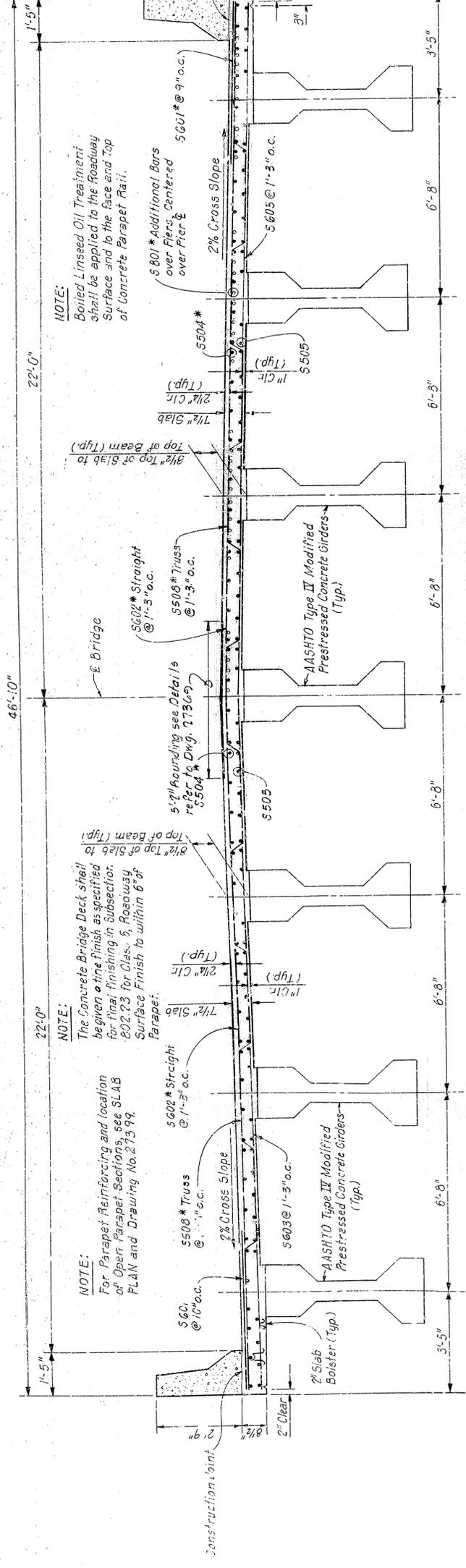
STATE	FED. AID PROJ. NO.	MARKET NO.	TOTAL SHEETS
ARK.	9783	58	66
DATE	DATE	DATE	DATE
JOB NO.	9783	58	66
6089 DTLS PRESTR GIRD SPNS 27371			

h ₁ "	g	b	c	k	h ₂ "	h ₃ "
14'-3 3/8"	2'-0"	10'-5 7/8"	4 3/4"	2 1/2"	2 1/2"	11
14'-4 1/2"	2'-0"	10'-4 1/2"	4 3/4"	2 1/2"	2 1/2"	11
14'-4"	2'-0"	10'-4"	4 3/4"	2 1/2"	2 1/2"	11

NOTE: For Parapet Reinforcing and Bending Diagrams, See Dwg. No. 273-59.

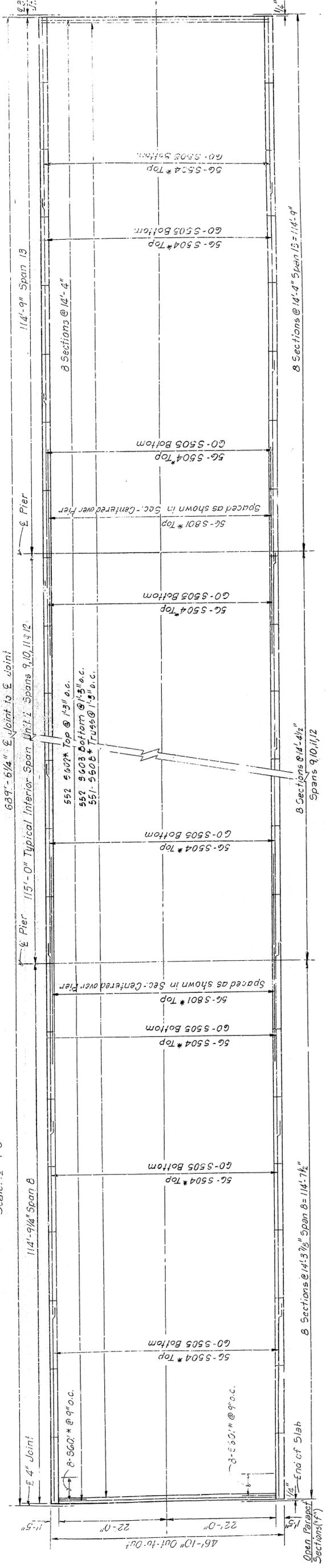
Dead Load Non-Composite	Interior Girder	Exterior Girder
719 P.L.F. + Girder	748 P.L.F. Girder	218 P.L.F.
Dead Load to Comp. Girder includes 20 lbs./FT ² for Future Wearing Surface	245 P.L.F.	218 P.L.F.
Live Load to Composite Girder	121 Whts. 1/2 Impact / 1/2 Whts. 1/2 Impact	

Includes Slab and Diaphragms.



HALF SECTION UNIT 2 - NEAR PIER

HALF SECTION UNIT 2 - NEAR MIDSPAN

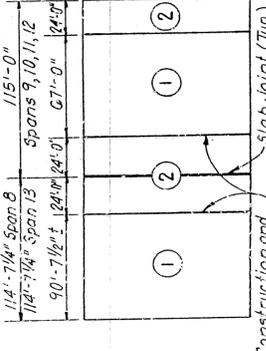


TYPICAL SLAB REINFORCING PLAN - UNIT 2

MARK	NO.	PIN DIA.	LENGTH	MARK	NO.	LENGTH	PIN DIA.
S504	1008	40'-0"	3"	F401	960	6'-3"	2"
S505	1080	40'-0"	7'-0"	F402	960	7'-0"	2"
S506	551	47'-6 1/2"	3'-6"	F403	1152	3'-6"	2"
S507	1440	5'-0"	0'-0"	F404	1152	0'-0"	2"
S508	552	45'-5"	13'-11"	F405	384	13'-11"	5/8"
S601	552	46'-6"	15'-11"	F601	480	15'-11"	5/8"
S602	880	44'-0"	15'-11"				

NOTE: Dimensions of Bars are out-to-out. X indicates Epoxy Coated Reinforcing Steel.

NOTE: Pours with some number may be placed simultaneously or separately. All pours (1) must be placed before pours (2) can be placed. 48 hours shall elapse between pours except 72 hours shall elapse between adjacent pours. Slab can be poured continuously and if poured continuously, slab joints at const. joint are not necessary.



SLAB POURING SEQUENCE

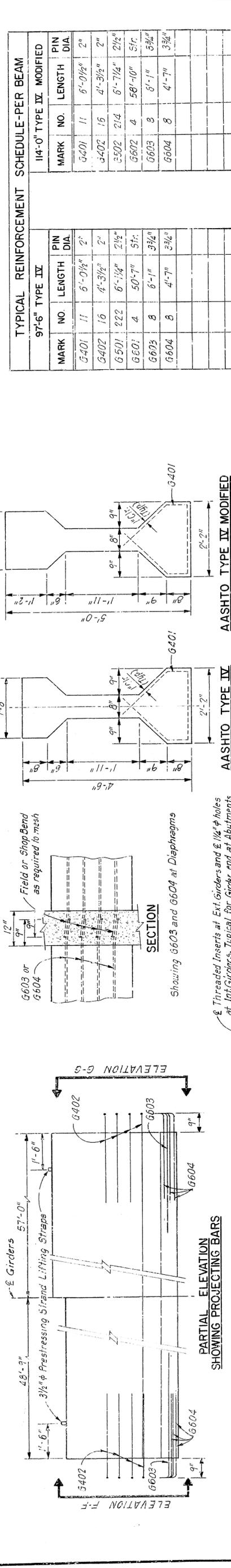
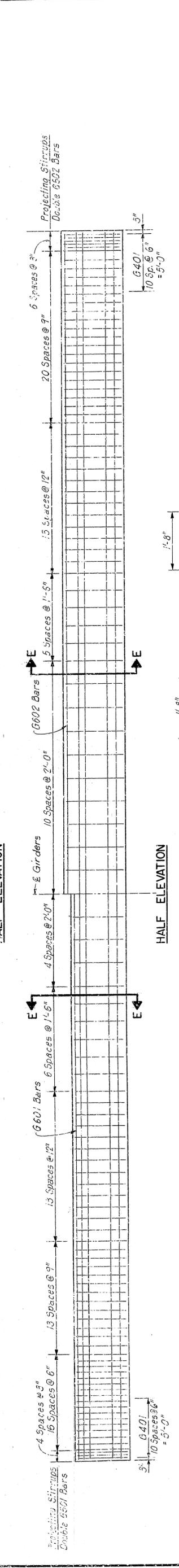
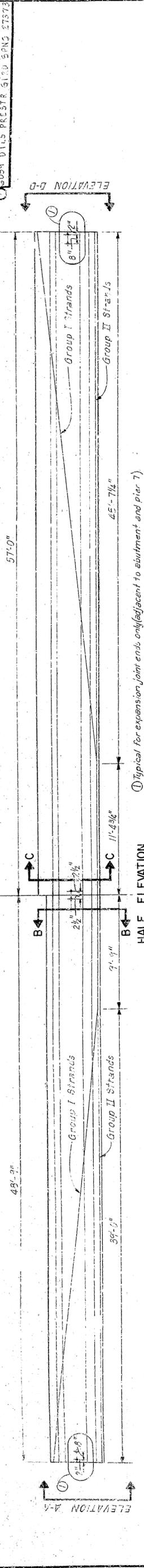
ALT. NO. 1
SHEET 4 OF 7
DETAILS OF PRESTRESSED GIRDER SPANS
WHITE RIVER BRIDGE

MARION AND BAXTER COUNTIES
ROUTE 502
ARIZONA STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

SCALE: AS SHOWN
DATE: MARCH, 1955
CHECKED BY: J.D.E.
DESIGNED BY: J.D.E.

BRIDGE NO. 6059
DRAWING NO. 27371

STATE	ARK.	PROJ. NO.	1783
FED. AID PROJ. NO.		DATE	3/23/59
ROUTE	6	DESIGNER	W. S. B.
JOB NO.	3783	CHECKED BY	J. S. S.
		DATE	4/15/59
		SCALE	None
		PROJECT NO.	60 166
		JOB NO.	3783
		DATE	3/23/59
		DESIGNER	W. S. B.
		CHECKED BY	J. S. S.
		DATE	4/15/59
		SCALE	None
		PROJECT NO.	60 166



TYPICAL REINFORCEMENT SCHEDULE - PER BEAM	
97'-6" TYPE IV	
MARK NO.	PIN LENGTH PIN DIA
G401	6'-0 1/2" 2"
G402	4'-3 1/2" 2"
G501	6'-1 1/4" 2 1/2"
G601	4 50-7" 5 1/2"
G602	8 6'-1" 3 3/4"
G603	8 4'-7" 3 3/4"
G604	8 4'-7" 3 3/4"

114'-0" TYPE IV, MODIFIED	
MARK NO.	PIN LENGTH PIN DIA
G401	6'-0 1/2" 2"
G402	4'-3 1/2" 2"
G502	2 1/4 6'-7 1/4" 2 1/2"
G602	4 50-7" 5 1/2"
G603	8 6'-1" 3 3/4"
G604	8 4'-7" 3 3/4"

ESTIMATED QUANTITIES - PER GIRDER			
Type	Concrete Class C.Y.	Reinforcing Steel Lb.	1/2" Type 20K Low Relaxation Prestress Strands Lb.
IV	19.8	1919	1726
IV Mod.	26.7	2030	2373

NOTE: The cost of the plain elastic pads and dowel bars to be included in the cost of the prestressed beams.

NOTE: Bars G402, G603 and G604 shall be omitted in beam ends adjacent to abutments and pier 7.

NOTE: Dimensions of Bars are out-to-out. Bars G402, G603 and G604 shall be omitted in beam ends adjacent to abutments and pier 7.

ALT. NO. 1
SHEET 6 OF 7

DETAILS OF PRESTRESSED GIRDER SPANS
WHITE RIVER BRIDGE

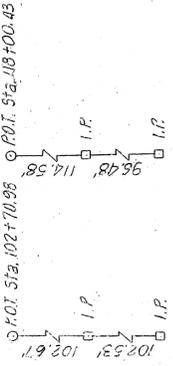
MARION AND BAXTER COUNTIES
ROUTE 6
SEC. 17

ARIZONA STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: J. S. S. DATE: 3/23/59
CHECKED BY: J. S. S. DATE: 4/15/59
SCALE: None

BRIDGE ENGINEER
DRAWING NO. 6059
DRAWING NO. 27373

DATE REVISED 8/14/84	DATE FILLED	DATE REQUIRED	DATE PLANNED	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6 ARK.	62	166
JOB NO. 9783			PLAN AND ELEV. ALT. 2 27375			

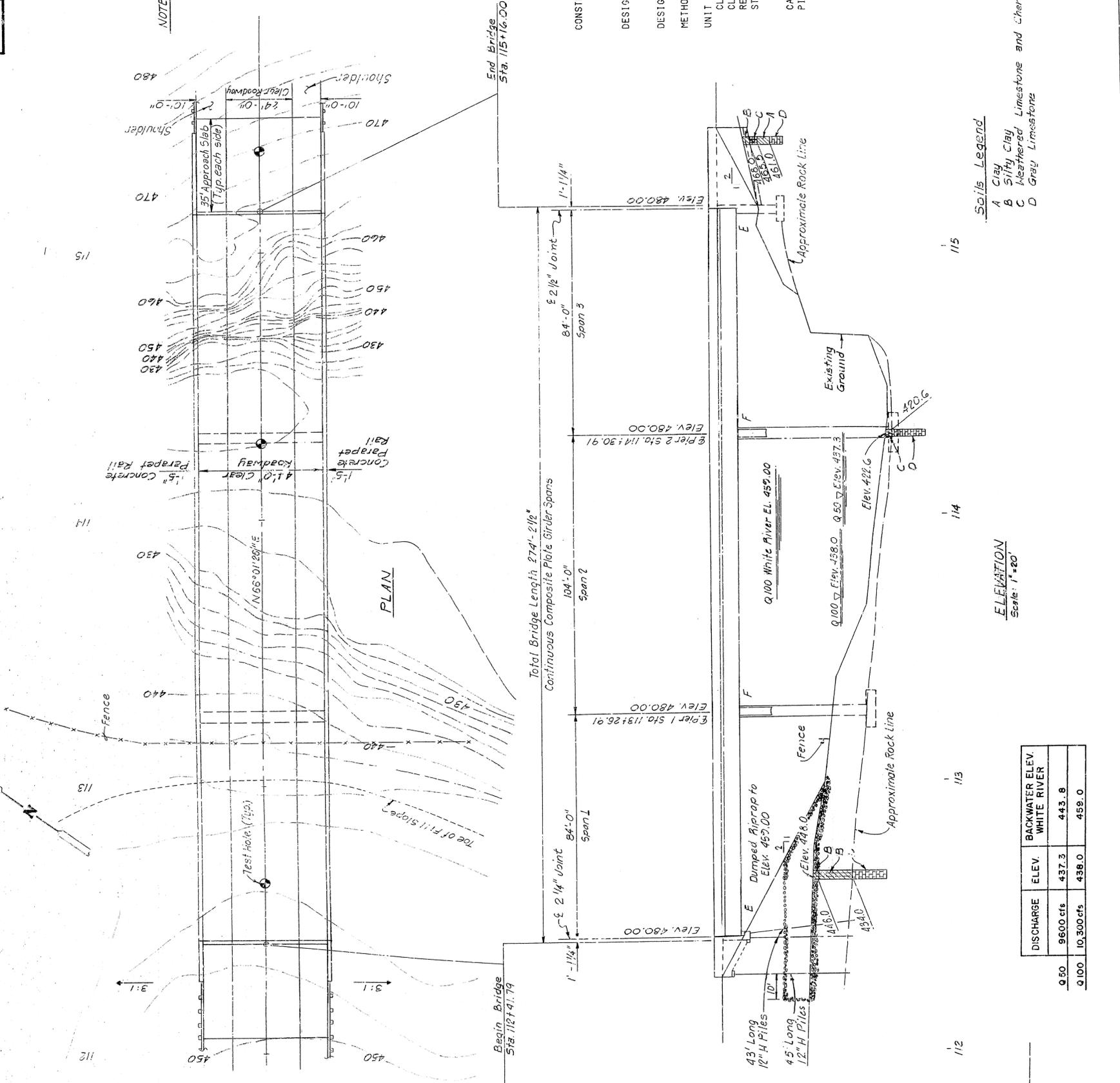


REFERENCE POINTS

NOTE: For Detail of Type I Approach Slab, See Drawing No. 27400 (Typ. Each End)

REFERENCE POINTS

T.B.M. - N.I.S. 4" x 4" x 35' RT
 Sta. 115+05
 Elev. 443.07
 T.B.M. - N.I.S. 40" Twin C.A. PILE
 Sta. 120+30
 Elev. 482.50



DISCHARGE	ELEV.	BACKWATER ELEV. WHITE RIVER
0.50	9600 cfs	437.3
0.100	10,300 cfs	438.0
		443.8
		459.0

CONSTRUCTION SPECIFICATION: ARKANSAS STATE HIGHWAY COMMISSION
 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION
 OF 1978, AND APPLICABLE SPECIAL PROVISIONS.
 DESIGN SPECIFICATIONS: A.A.S.H.T.O. STANDARD SPECIFICATIONS FOR
 HIGHWAY BRIDGES, 1983 EDITION
 DESIGN LIVE LOADING: HS 20 FATIGUE LOAD CYCLE: CASE II
 METHOD OF DESIGN: LOAD FACTOR

UNIT STRESSES:

CLASS S CONCRETE	F'c	3,500 PSI
CLASS S (AE) CONCRETE	F'c	3,500 PSI
REINFORCING STEEL (GR-60)	Fy	60,000 PSI
STRUCTURAL STEEL	Fy	36,000 PSI
ASTM (A36)	Fy	50,000 PSI
ASTM (A572 GR. 50)	Fy	40,000 PSI
CASTING (A27 GR. 70)	Fy	70 TONS
PILE BEARING CAPACITY (12")		

ALT. NO. 2
 SHEET 1 OF 1
GENERAL PLAN AND ELEVATION
 U.S. HIGHWAY 62
 FALLEN ASH CREEK BRIDGE

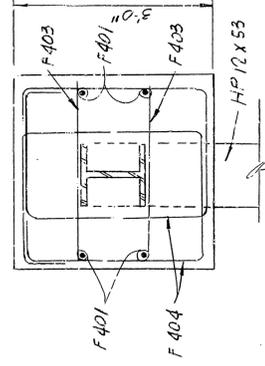
MARION COUNTY SEC.
 ROUTE
ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 DRAWN BY: P.S.B. DATE: 11-20-84
 CHECKED BY: H.J.F. DATE: 12-27-84
 DESIGNED BY: D.C.M. DATE: 12-27-84
 SCALE: 1" = 20'
 BRIDGE ENGINEER
 BRIDGE NO. 6058 DRAWING NO. 27375

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
ARK.	6	64	166
PROJECT NO.	9783	JOB NO.	6058
6058 DETAILS OF WEST ABUT			

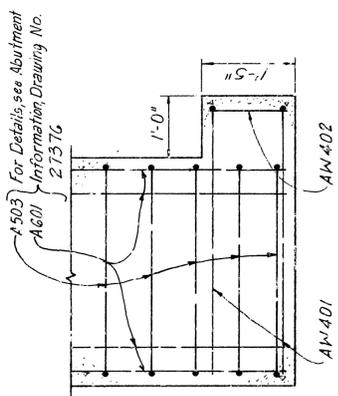
VARIABLES FOR PARAPET RAILING	
CLOSED PARAPET	
"k"	"n"
15'-6"	2 1/4"
	7/8"
	11"

REINFORCEMENT SCHEDULE			
MARK	NO.	LENGTH	FIN DIA.
W401	2 Ea.	10'-10 1/2"	5"
W402	4 Ea.	7'-4" to 4'-0"	5"
W415	12	3'-5"	5/8"
W417	18	2'-11"	2"
W418	4	6'-4"	5/8"
W419	10	14'-2"	5/8"
W501	2 Ea.	1'-0" to 5'-6"	5/8"
W508	10	14'-2"	5/8"
W601	4	10'-9"	5/8"
AW401	4	9'-1"	2"
AW402	4	11'-1"	5/8"
F401	6	5'-5"	5/8"
F402	5	5'-1 1/2"	2"
F403	8	2'-8"	5/8"
F404	2	10'-2"	2"
P401	32	6'-3"	2"
P403	32	5'-6"	2"
P406	14	15'-2"	5/8"

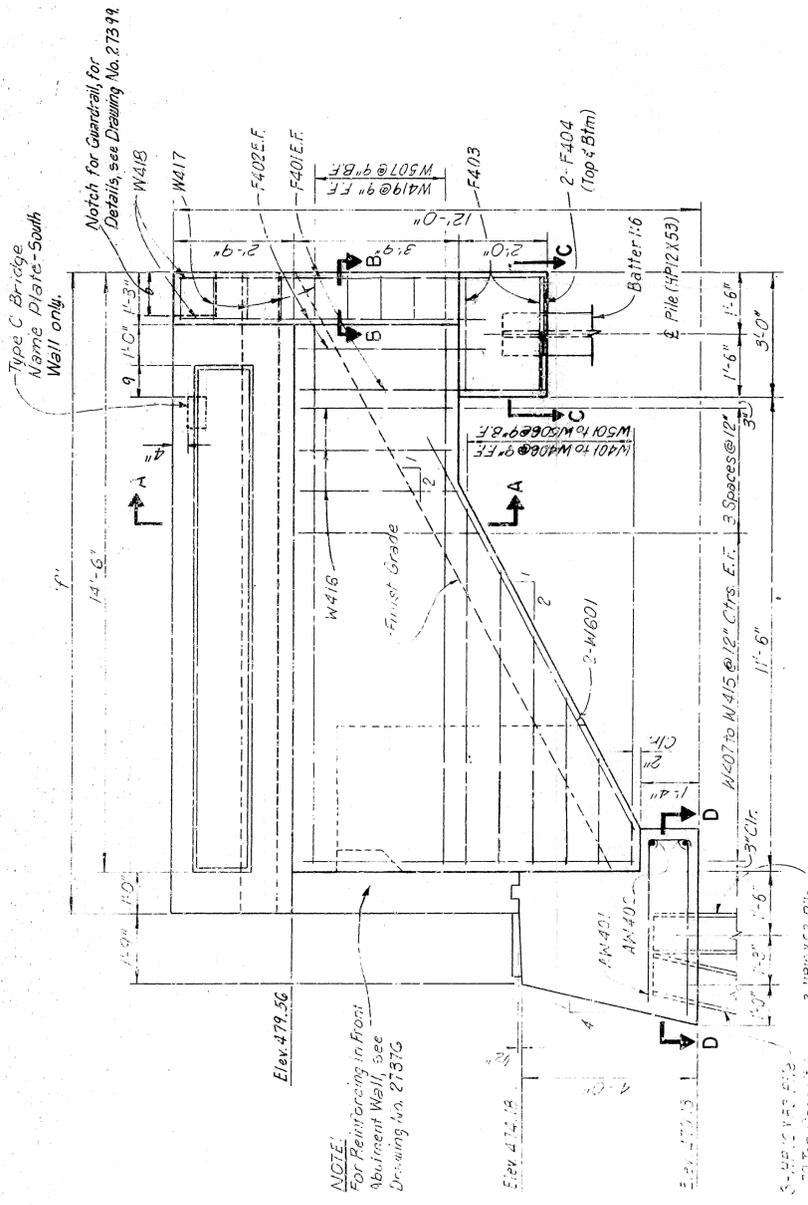
NOTES:
 1. For Parapet Reinforcing, and Bending Diagrams, see Dwg. No. 27399
 2. For Guard Fence Bolt Detail, see Drawing No. 27399.



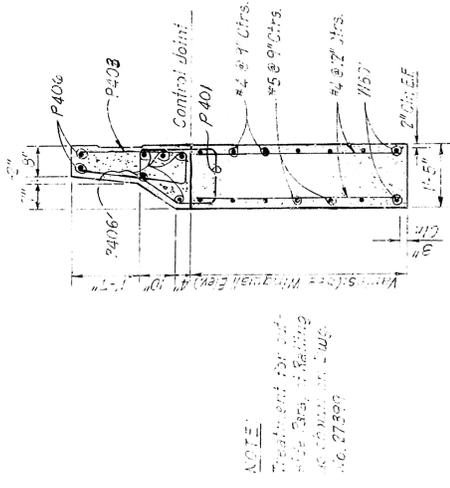
SECTION C-C
 Scale 3/4" = 1'-0"



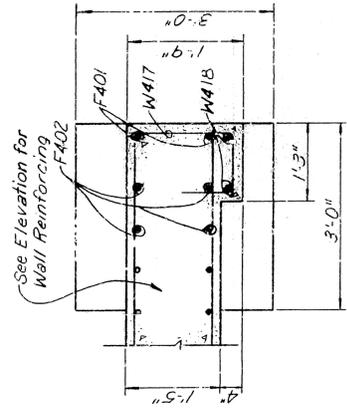
SECTION D-D
 Scale: 3/4" = 1'-0"



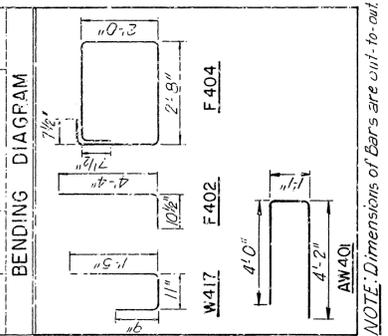
WINGWALL ELEVATION
 Scale: 1/2" = 1'-0"



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



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

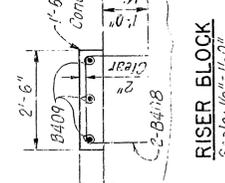
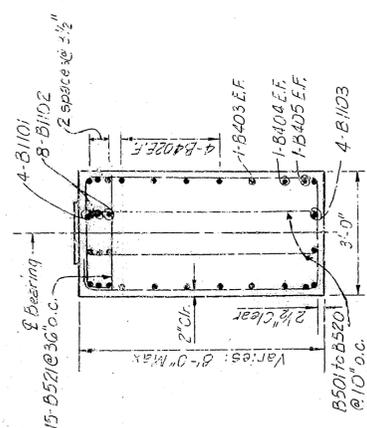
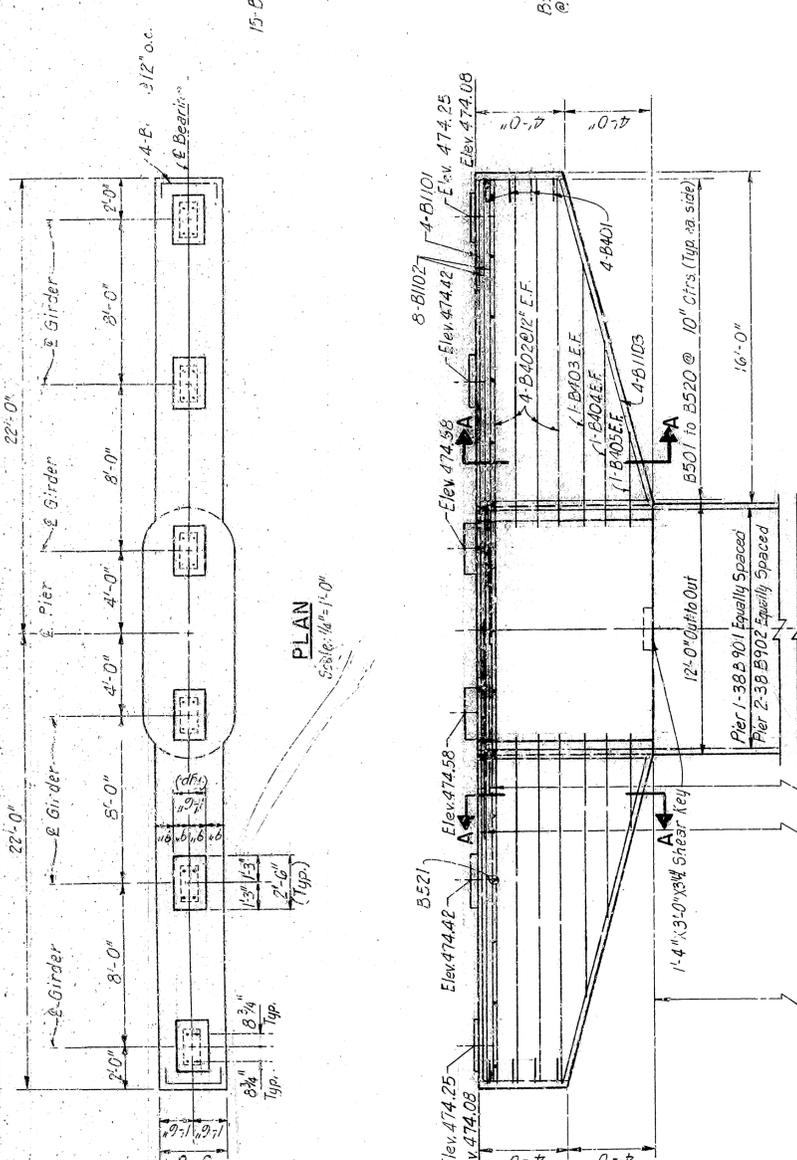
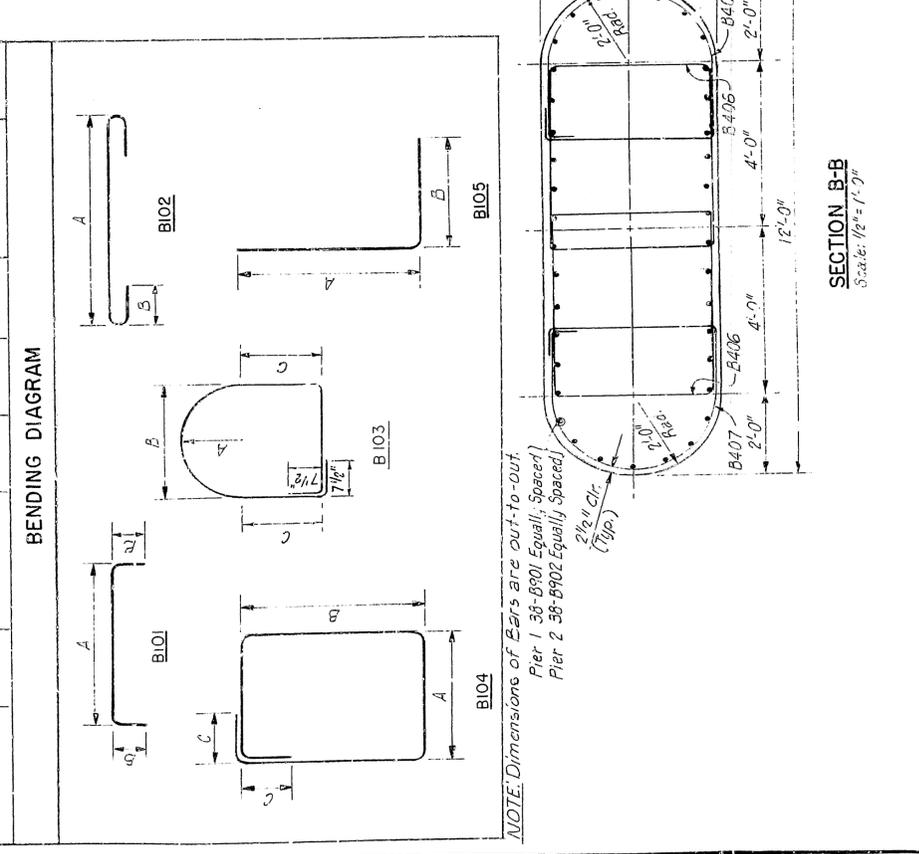


NOTE: Dimensions of Bars are unit-to-out.

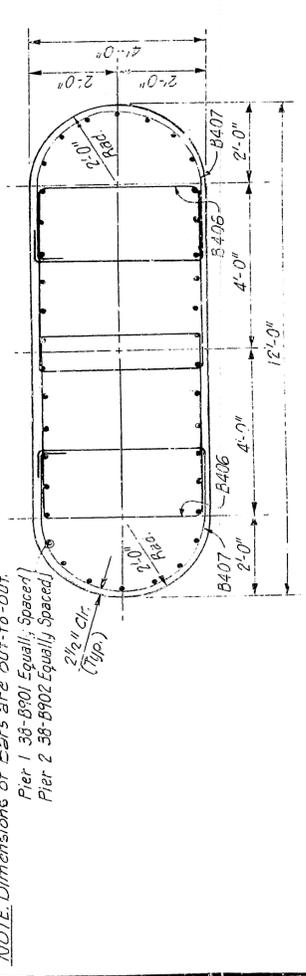
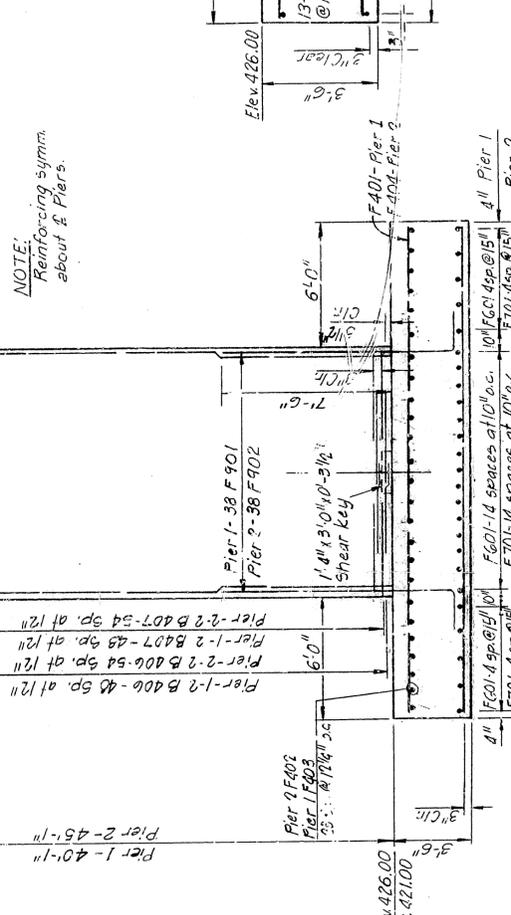
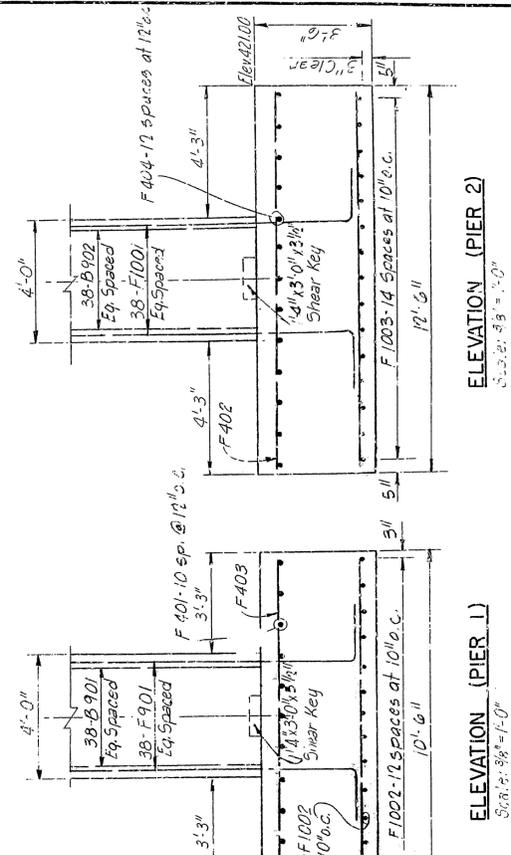
ALT. NO. 2
 SHEET 2 OF 2
 DETAILS OF WEST ABUTMENT
 FALLEN ASH CREEK BRIDGE
 MARION COUNTY
 ROUTE 85
 ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 DRAWN BY: P.B.S. DATE: MARCH 1985
 CHECKED BY: H.W.P. DATE: MARCH 1985 SCALE: As Noted
 DESIGNED BY: D.C.M. DATE: MARCH 1985
 BRIDGE NO. 6058
 DRAWING NO. 27377

65	6	ARK	9785	65	106
REVISED	DATE	BY	REASON	NO.	TOTAL SHEETS
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
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19					
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56					
57					
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59					
60					
61					
62					
63					
64					
65					

REINFORCEMENT SCHEDULE			DIMENSIONS				
MARK	NO.	LENGTH	PIN DIA.	TYPE	A	B	C
B401	8	4'-8 1/2"	2"	B101	2'-6 1/4"	12"	
B402	16	16'-10"	5/8"	Sfr.			
B403	4	12'-7"	Sfr.				
B404	4	8'-0"	Sfr.				
B405	4	4'-7"	Sfr.				
B406	6	8"	2"	B101	2'-2"	1'-4"	
B409	12	1'-8"	Sfr.				
B501 to B520	4 Eq.	Varies 14'-0" - 19'-10"	2 1/2"	B104	14'-0" to 19'-10"	Varies 3'-6" to 7'-6 1/2"	9 1/4"
B521	15	2'-5 1/2"	Sfr.				
E1101	4	46'-10"	1 1/4"	E102	43'-5"	1'-10 1/2"	
B1101	8	43'-8"	Sfr.				
B1102	8	16'-1 1/4"	Sfr.				
COMMON TO BOTH PIER 1 & PIER 2							
PIER 1							
B406	8	17'-0"	2"	B104	4'-6"	3'-7"	7 1/2"
B407	38	13'-4 1/4"	2"	B103	1'-9 1/4"	3'-7"	1'-7"
F601	25	47'-10"	Sfr.				
F901	25	10'-0"	Sfr.				
F1002	38	12'-2"	9"	B105	10'-10"	1'-7"	
F403	13	23'-6"	Sfr.				
F401	24	10'-0"	Sfr.				
F401	11	23'-6"	Sfr.				
PIER 2							
B406	110	17'-0"	2"	B104	4'-6"	3'-7"	7 1/2"
B407	110	13'-4 1/4"	2"	B103	1'-9 1/4"	3'-7"	1'-7"
F902	38	52'-10"	Sfr.				
F701	25	12'-0"	Sfr.				
F902	38	12'-2"	9"	B105	10'-10"	1'-7"	
F1003	15	23'-6"	Sfr.				
F402	24	12'-0"	Sfr.				
F404	13	23'-6"	Sfr.				



NOTE: Omit reinforcing for "H", less than 4".



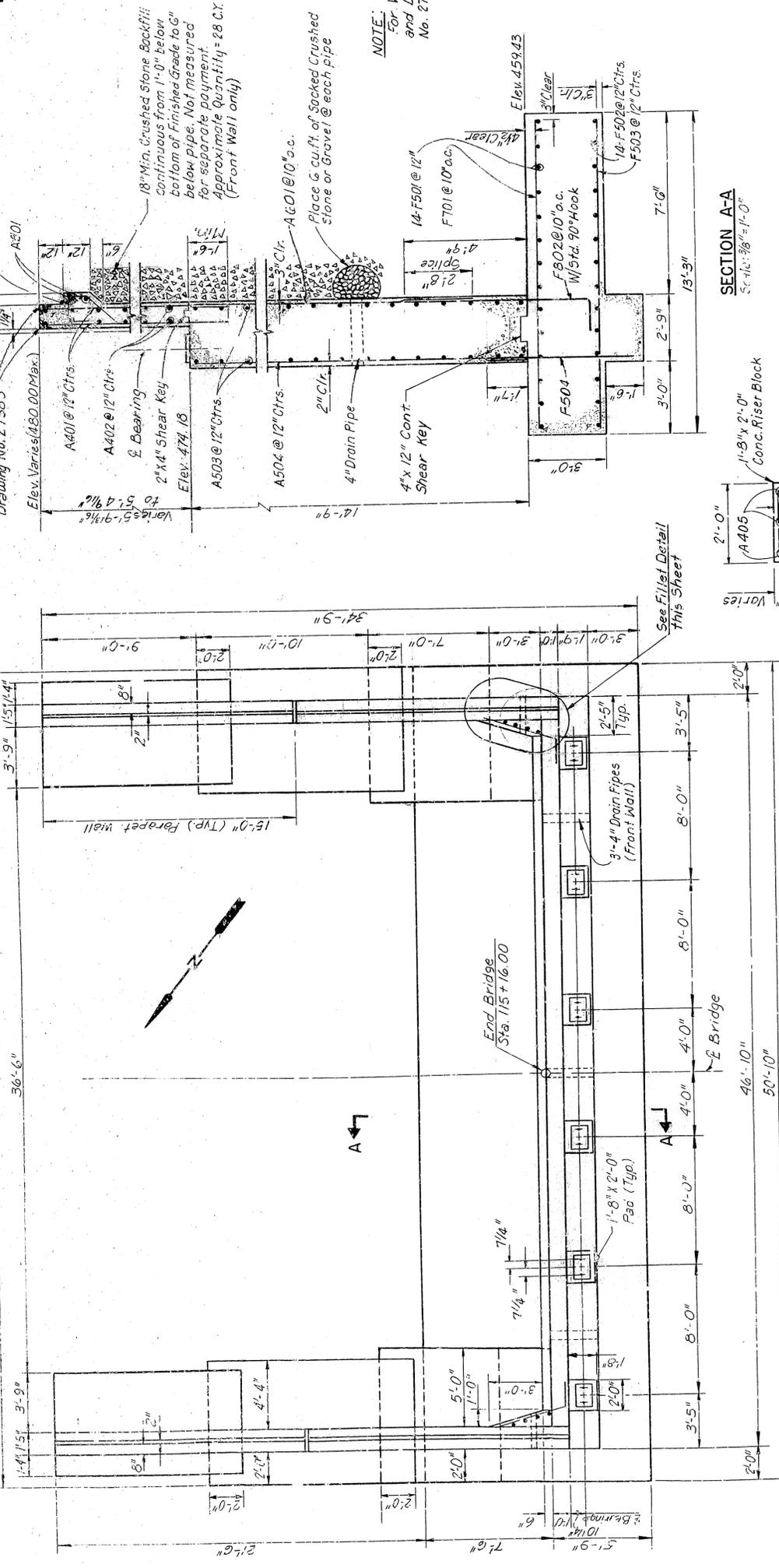
ALTN. NO. 2
 SHEET 1 OF 1
 DETAILS OF PIERS 1 AND 2
 FALLEN ASH CREEK BRIDGE

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

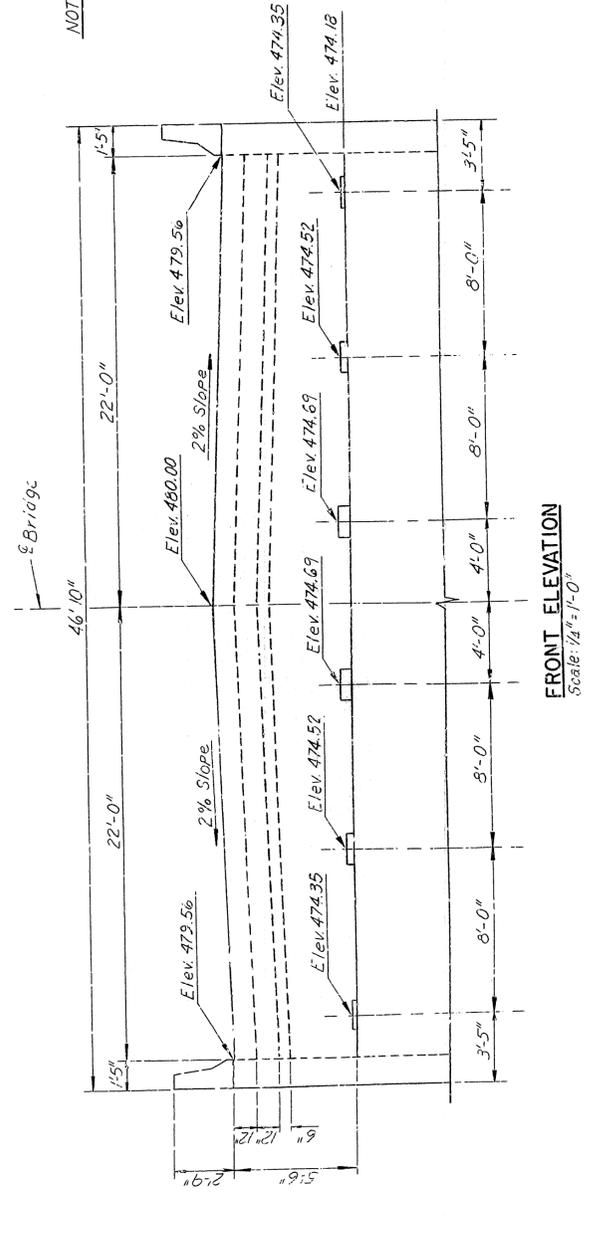
DRAWN BY: S.C.S. DATE: MARCH, 1935
 CHECKED BY: H.U.F. DATE: MARCH, 1935
 IN CHARGE: W.D.S. DATE: MARCH, 1935

BRIDGE NO. 6058
 DRAWING NO. 27378

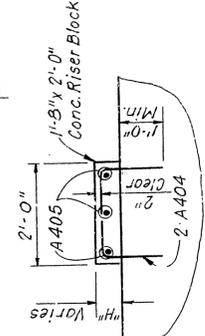
REVISED									
DATE									
BY									
66	66	66	66	66	66	66	66	66	66



PLAN (EAST ABUTMENT)
Scale: 1/8" = 1'-0"



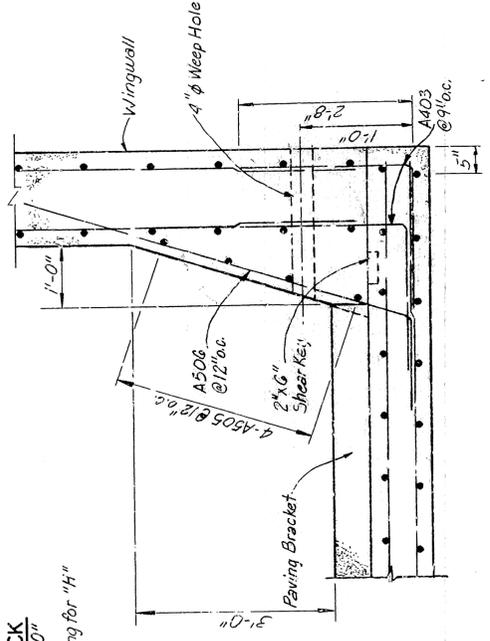
FRONT ELEVATION
Scale: 1/4" = 1'-0"



RISER BLOCK
Scale: 1/8" = 1'-0"

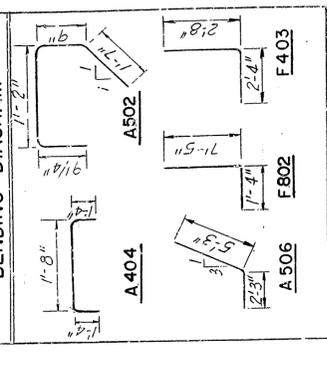
NOTE: Omit reinforcing for "H" less than 4".

SECTION A-A
Scale: 3/8" = 1'-0"



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

MARK NO.	LENGTH	BAR DIA
A401	7'-2"	5/8"
A402	45'-6"	5/8"
A403	4'-11"	2"
A404	4'-2"	2"
A405	1'-4"	5/8"
A501	4'-0 1/2"	5/8"
A502	4'-0 1/2"	2 1/8"
A503	4'-0"	5/8"
A504	14'-7"	5/8"
A505	14'-5"	5/8"
A506	7'-6"	2 1/8"
F501	50'-4"	5/8"
F502	50'-4"	5/8"
F503	72'-9"	5/8"
F504	5'-10"	5/8"
F701	12'-9"	5/8"
F802	8'-5 1/2"	6"



BENDING DIAGRAM

NOTE: Dimensions of Bars are out-to-out.

18" Min. Crushed Stone Backfill continuous from 1'-0" below bottom of Finished Grade to top of below pipe. Not measured for separate payment. Approximate quantity = 28 C.Y. (Front Wall only)

NOTE: For Wingwall Elevation and Details, See Drawing No. 27380

For Armor Details, see Drawing No. 27383

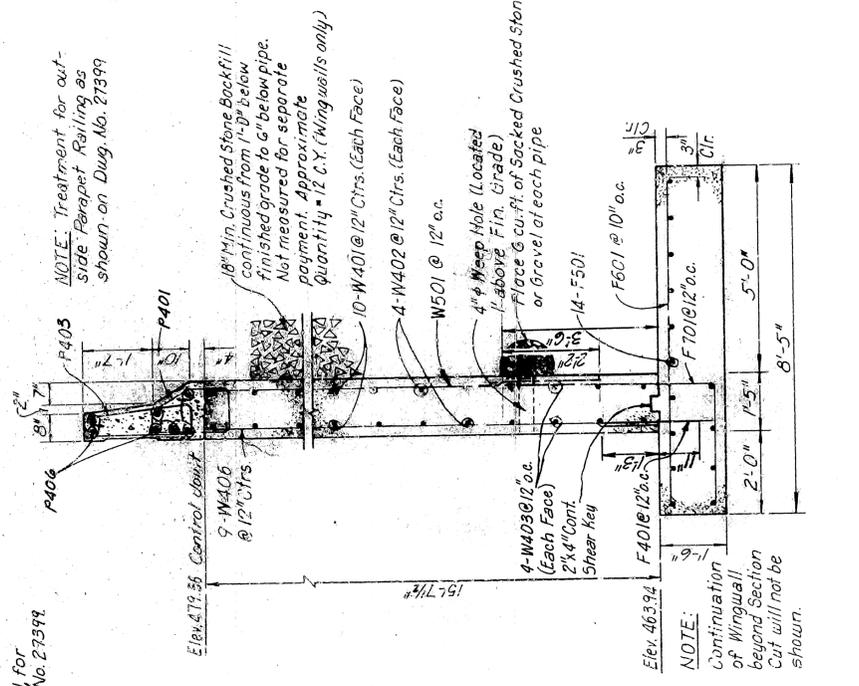
ALT. NO. 2
SHEET 1 OF 2
DETAILS OF EAST ABUTMENT
FALLEN ASH CREEK BRIDGE
MARION COUNTY
ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
DRAWN BY: P.B.B. DATE: MARCH, 1985
CHECKED BY: H.L.P. DATE: MARCH, 1985
DESIGNED BY: D.C.W. DATE: MARCH, 1985
SCALE: As Noted
BRIDGE NO. 6056
DRAWING NO. 27379

STATE	ARK	PROJECT NO.	6058	SHEET NO.	67	TOTAL SHEETS	100
DATE	1985	PROJECT NAME	DETAILS OF EAST ABUT.	DATE	1985	PROJECT NO.	6058
DESIGNED BY	H.J.P.	CHECKED BY	P.B.E.	DATE	MARCH 1985	SCALE	As Noted
DATE	MARCH 1985	DATE	MARCH 1985	DATE	MARCH 1985	DATE	MARCH 1985

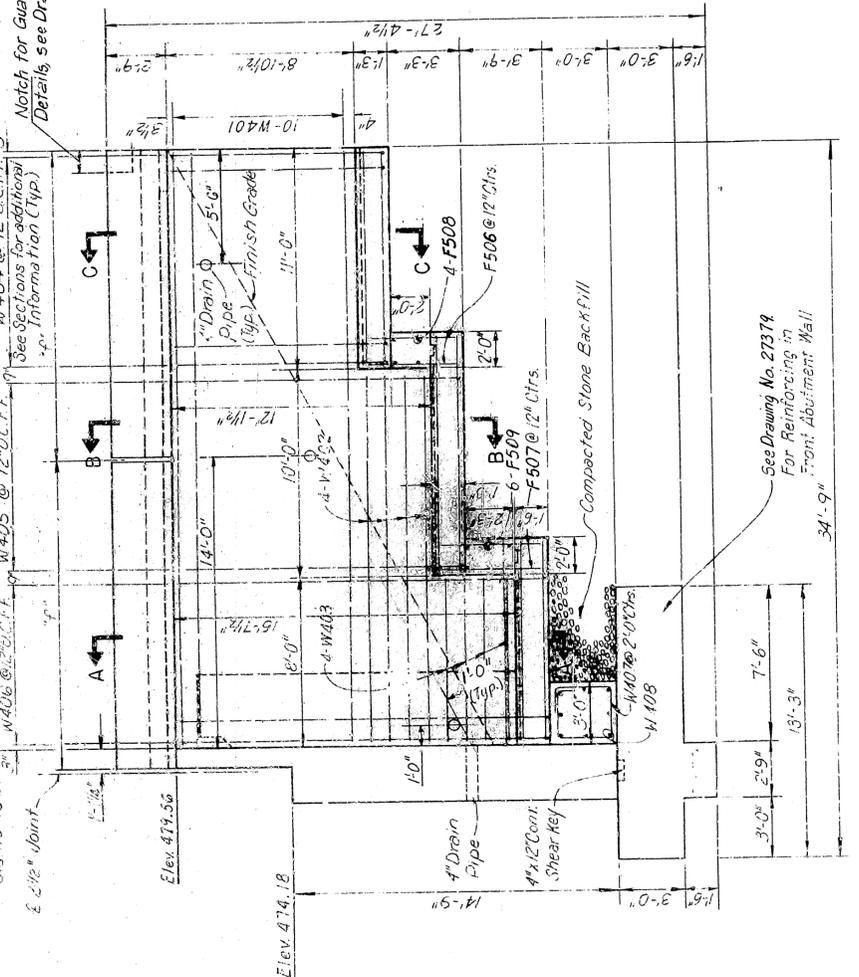
MARK	NO.	LENGTH	PIN DIA.
W401	40	28'-8"	Str.
W402	16	17'-8"	Str.
W403	16	7'-8"	Str.
W404	22	8'-8 1/2"	Str.
W405	20	11'-1 1/2"	Str.
W406	18	15'-5 1/2"	Str.
W407	10	11'-6"	2"
W408	18	7'-11"	Str.
W501	18	14'-1 1/2"	Str.
W502	20	11'-1 1/2"	Str.
W503	22	8'-8 1/2"	Str.
F401	50	2'-2"	Str.
F402	22	6'-0"	Str.
F501	28	9'-6"	Str.
F502	24	11'-6"	Str.
F503	26	7'-3"	Str.
F504	22	5'-4"	2 1/2"
F505	20	10'-6"	Str.
F506	28	4'-0"	Str.
F507	36	4'-0"	Str.
F508	8	6'-0"	Str.
F509	12	7'-3"	Str.
F601	22	7'-11"	Str.
F602	20	5'-11"	3 3/8"
F701	18	7'-16"	5 1/8"
F403	64	6'-3"	2"
F406	26	5'-8"	2"
F406	26	14'-8"	Str.

VARIABLES FOR PARAPET RAILING	
CLOSED PARAPET	
"I"	"n"
15'-0"	2 1/2"

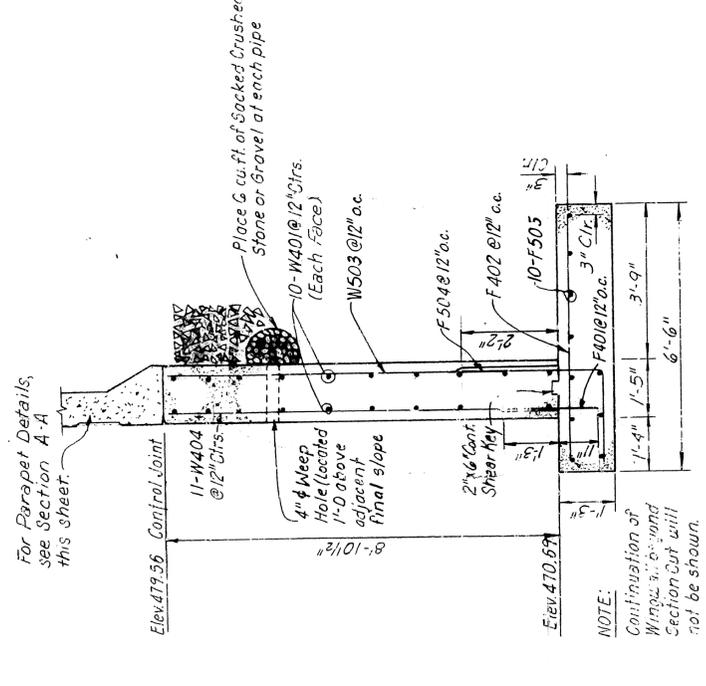
NOTES:
 1. For Parapet Reinforcing and Bending Diagrams; see Dwg. No. 27399
 2. For Guard Fence Bolt Detail; see Drawing No. 27399.



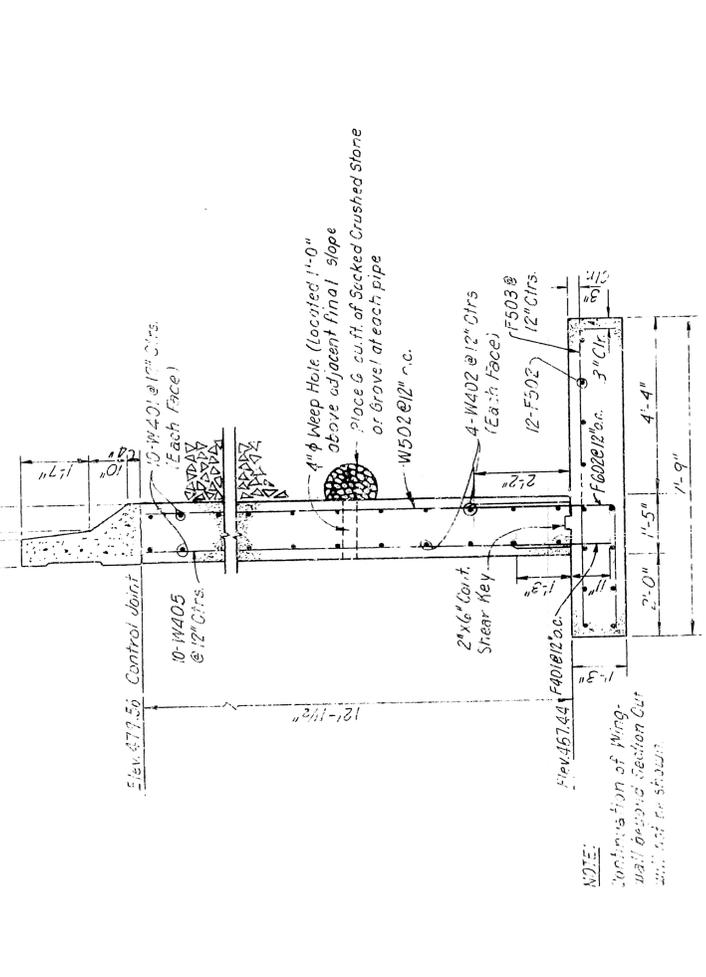
SECTION A-A
 Scale 1/2" = 1'-0"



ELEVATION (EAST ABUTMENT)
 Scale 1/4" = 1'-0"



SECTION C-C
 Scale 1/2" = 1'-0"



SECTION B-B
 Scale 1/2" = 1'-0"

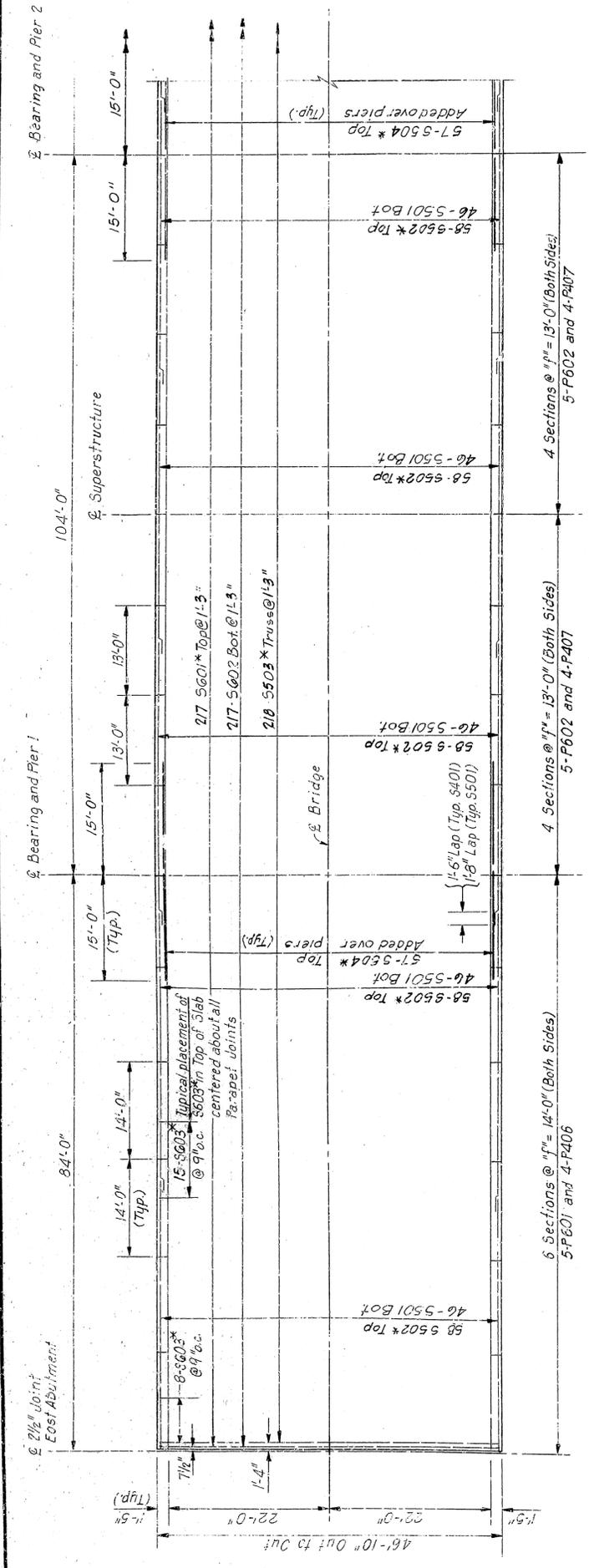
ALT. NO. 2
 SHEET 2 OF 2
 DETAILS OF EAST ABUTMENT
 FALLEN ASH CREEK BRIDGE
 MARION COUNTY
 ROUTE SEC.
 ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 DRAWN BY: P.B.E. DATE: MARCH 1985
 CHECKED BY: H.J.P. DATE: MARCH 1985
 DESIGNED BY: D.C.W. DATE: MARCH 1985
 SCALE: As Noted
 BRIDGE NO. 6058
 DRAWING NO. 27380

REVISED	REVISED	REVISED	REVISED	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				ARK.	9783	69	166
06058 DTL'S PLATE GIRD SPNS 27382							

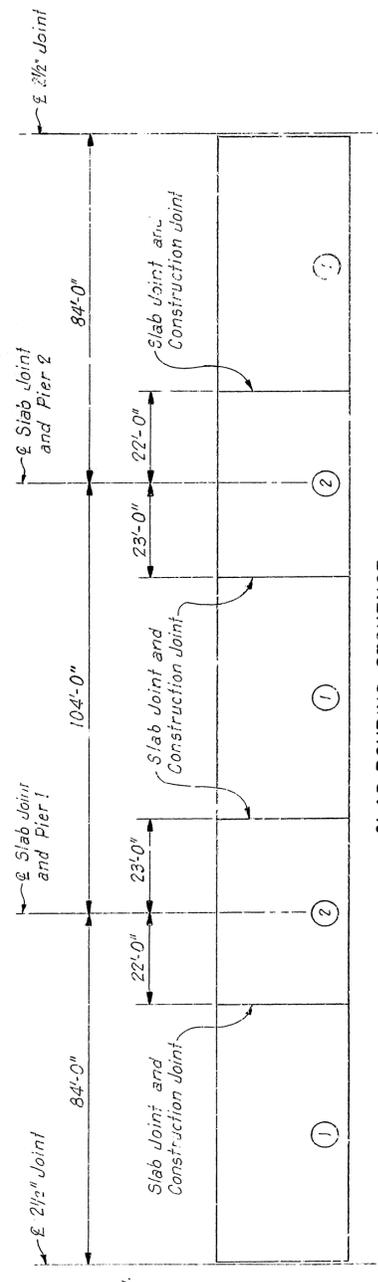
VARIABLES FOR PARAPET RAILING

"f"	OPEN PARAPET				
	a	b	c	k	m
13'-0"	2'-0"	9'-0"	4'-3/4"	2'-1/2"	8
14'-0"	2'-0"	10'-0"	4'-3/4"	2'-1/2"	9

NOTES:
 1. For Parapet Reinforcing and Banding Diagrams; see Dwg. No. 27394.



SLAB PLAN
 SPAN 2
 Scale: 1/8"=10'-0"



REINFORCEMENT SCHEDULE				
MARK	NO.	LENGTH	PIN DIA.	PIN DIA.
S502*	406	40'-3 1/2"	Sfr.	5fr.
S501	322	40'-5 1/2"	Sfr.	
S602	217	46'-6"	Sfr.	
S601*	217	46'-6"	Sfr.	
S503*	210	47'-6 1/2"	2 1/2"	
S602*	602	5'-0"	Sfr.	
P401	400	6'-3"	2"	
P402	400	7'-0"	2"	
P404	384	3'-6"	2"	
P405	384	6'-1"	2"	
P406	96	13'-8"	Sfr.	
P406	64	12'-8"	Sfr.	
P601	120	13'-8"	Sfr.	

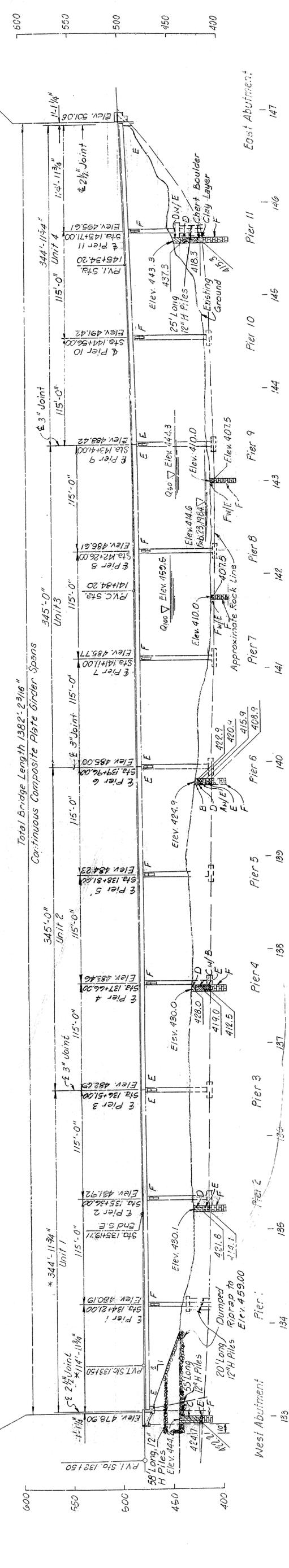
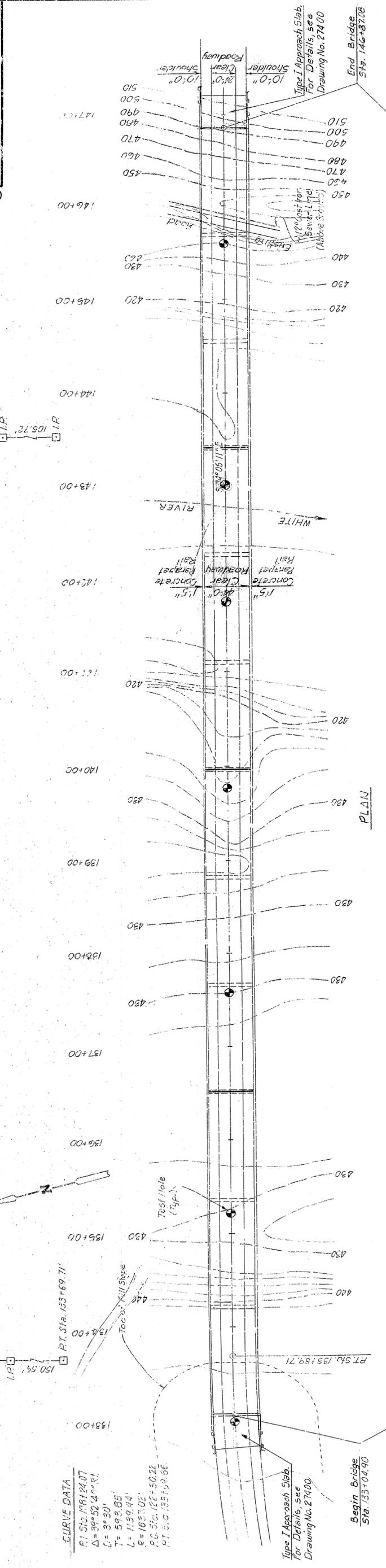
NOTES:
 1. Reinforcement Schedule is total required for Slab.
 2. Dimensions of Bars are out-to-out.

23'-3"
 3'-8 3/4" (Typ)
 3'-8 3/4" (Typ)
 5'-1'-3/8"
 3/4"
 Symmetrical about £

S602*

ALT. NO. 2
 SHEET 20F3
 FALLLEN ASH CREEK BRIDGE
 MARION COUNTY
 ROUTE SEC.
 ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 DRAWN BY: G.S.B. DATE: MARCH 1935
 CHECKED BY: F.J.P. DATE: MARCH 1935
 SCALE: AS NOTED
 BRIDGE NO. 6058 DRAWING NO. 27382

DATE FILMED	DATE REVISED	DATE FILMED	DATE REVISED	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
8/14/82				6	133	166
JOB NO. 6051			AN AND ELEV. 27324			



CURVE DATA
 P.I. Sta. 133+69.71
 $\Delta = 39^{\circ} 30'$
 $D = 39.30'$
 $T = 59.285'$
 $L = 113.944'$
 $E = 163.102'$
 P.C. Sta. 132+50.22
 P.T. Sta. 133+69.66

Soils Legend
 A Clayey Sand
 B Silty Sand
 C Sandy Clay
 D Silty Clay
 E Gravel
 F Gray Limestone

Vertical Curve
 PVI Sta. 146+20
 Elev. 488.60
 LVC 700'
 M.O. +5.54

Vertical Curve
 PVI Sta. 132+50
 Elev. 480.00
 LVC 800'
 M.O. +0.17

NOTE: Elevations Shown at Pier 9 Are Top of Deck Elevations At \pm of Bridge.

NOTE: From Begin of Bridge to End of Super-elevation Transition at Sta. 133+19.71, Control Point for Elevations is Outside Edge of Pavement. See Sheet 29 For Details of Super-elevation Transition.

NOTE: * This dimension is Tangent to curve along \pm Girders.

CONSTRUCTION SPECIFICATIONS: ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 1978, AND APPLICABLE SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: A.A.S.H.T.O. STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 1983 EDITION.

DESIGN LIVE LOADING: HS 20

METHOD OF DESIGN: LOAD FACTOR

UNIT STRESSES:
 CLASS S CONCRETE F_c 3,500 PSI
 CLASS S (AE) CONCRETE F_c 3,500 PSI
 REINFORCING STEEL (GR. 60) F_y 60,000 PSI
 STRUCTURAL STEEL F_y 36,000 PSI
 ASTM (A36) F_y 50,000 PSI
 ASTM (A572 GR. 50) F_y 40,000 PSI
 CASTING (A27 GR. 70) F_y 70 TONS
 FILE BEARING CAPACITY

DESIGN FATIGUE LOAD CYCLE, CASE 11

DISCHARGE	ELEV.	WATERWAY AREA
0.80	145.000	444.3
0.100	305.000	455.5
		59,800

GENERAL PLAN AND ELEVATION
U.S. HIGHWAY 62
WHITE RIVER BRIDGE

ALT. NO. 2
 SHEET 1 OF 1

BRIDGE NO. 6059
 DRAWING NC. 27384

BRIDGE ENGINEER

MARION AND BAXTER COUNTIES
 ROUTE SEC.
 ARKANSAS STATE HIGHWAY COMMISSION

DR. BY: J.D.T. DATE: MARCH 1985
 CHECKED BY: J.B.H. DATE: MARCH 1985
 DESIGNED BY: J.D.B. DATE: MARCH 1985

LITTLE ROCK, ARK.
 SCALE: 1" = 50'

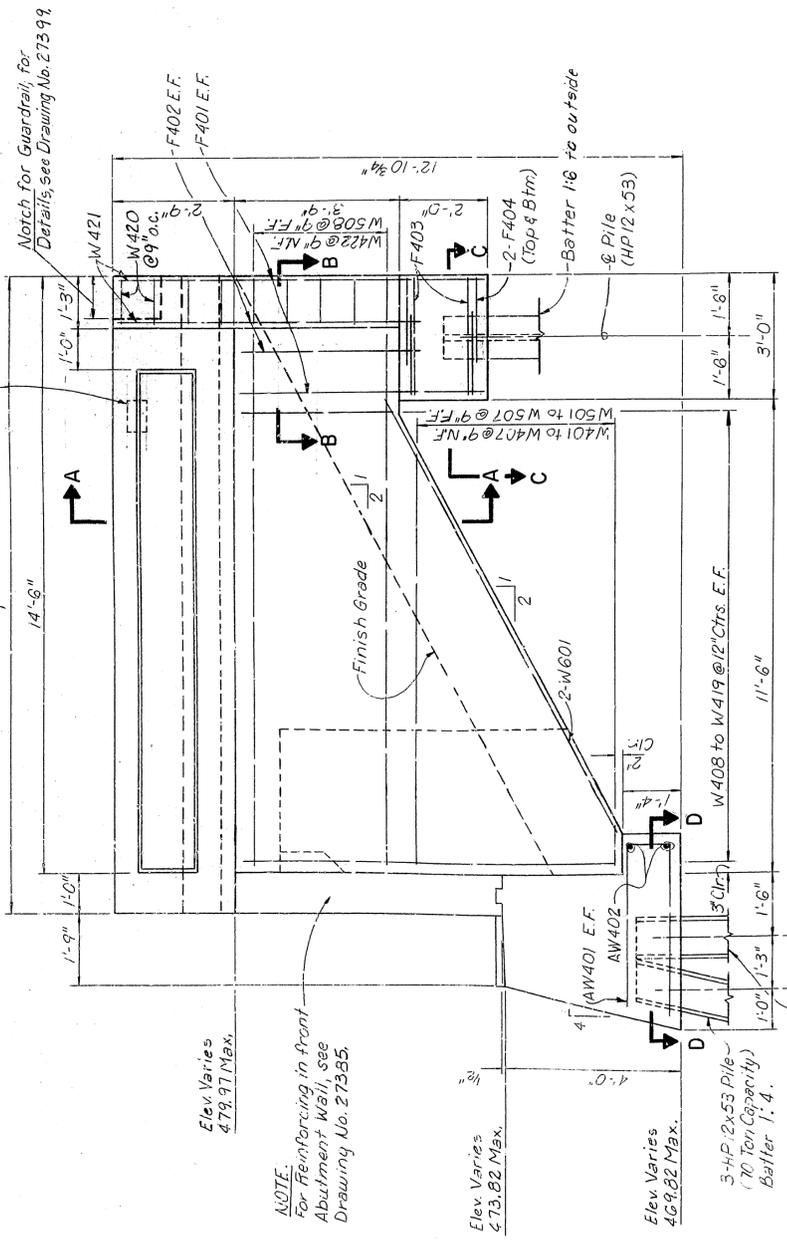
73

REVISION	DATE	BY	REASON

PROJ. NO.	6
STATE	ARK.
FED. AID PROJ. NO.	9183
SHEET NO.	73
TOTAL SHEETS	166

6059 DETAILS OF WEST ABUT

Type (Special) Bridge Name Plate
(South Wingwall only) For Detail
see Drawing No. 27398.

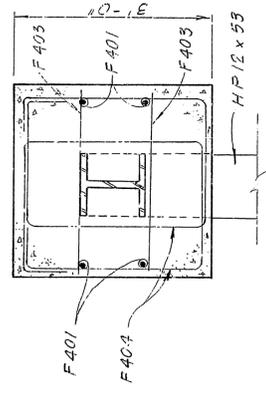


WINGWALL ELEVATION
Scale: 1/2" = 1'-0"

VARIABLES FOR PARAPET RAILING

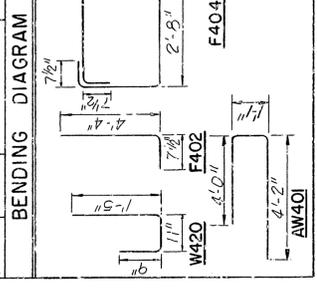
PARAPET	HEIGHT	WIDTH
15'-0"	2 1/2"	15"

NOTES:
1. For Parapet Reinforcing and Bending Diagrams, see Drawing No. 27399.
2. "f" dimension shown in this Drawing is minus the 1/2" Open Joint shown on Parapet Drawing.



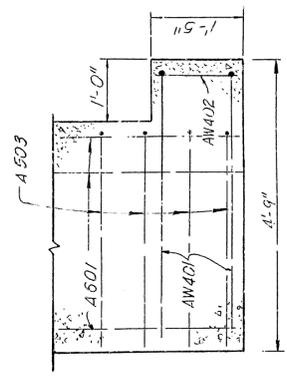
REINFORCEMENT SCHEDULE

MARK	NO.	LENGTH	PIN DIA.
W401	2 Ea.	Varies 0'-9"	3/8"
W402	2 Ea.	Varies 0'-9"	3/8"
W403	2 Ea.	Varies 8'-5 1/2"	3/8"
W404	2 Ea.	Varies 3'-5"	3/8"
W420	4	2'-1 1/2"	2"
W421	4	6'-4"	5/8"
W422	10	14'-1"	5/8"
W501	2 Each	Varies 0'-9"	5/8"
W507	1 C	14'-1"	5/8"
W508	4	11'-10"	5/8"
F401	8	5'-4"	2"
F402	6	4'-10 1/2"	2"
F403	8	2'-8"	5/8"
F404	8	10'-2"	2"
AW401	4	9'-1"	2"
AW402	4	1'-1"	5/8"
P401	32	6'-3"	2"
P403	32	5'-8"	2"
P404	14	15'-2"	5/8"

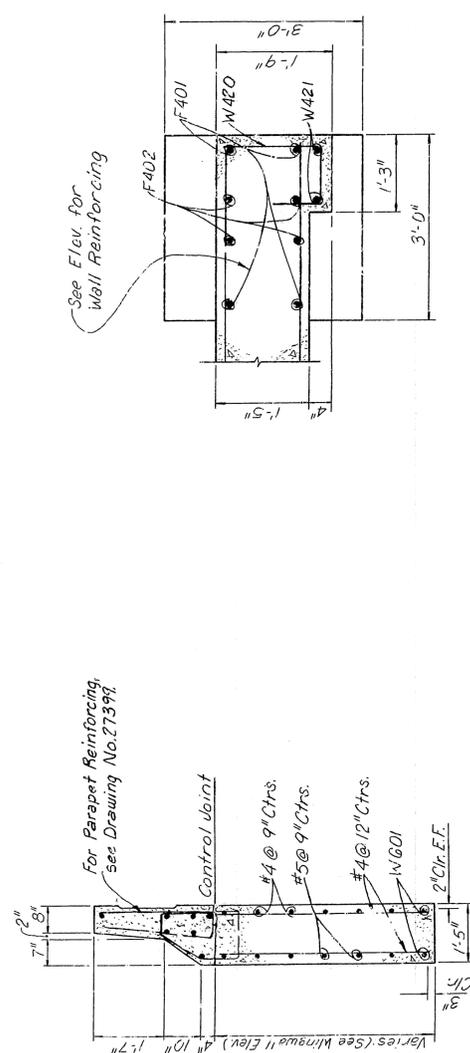


NOTES:
1. Dimensions of Bars are out-to-out
2. Reinforcing shown is total for both Wingwalls.

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



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



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

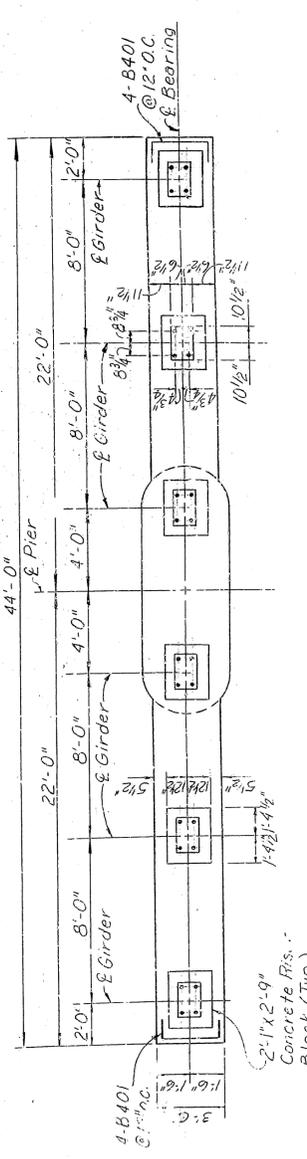
SECTION A-A
Scale: 1/2" = 1'-0"

NOTE:
Treatment for outside Parapet Railing as shown on Dwg No. 27399.

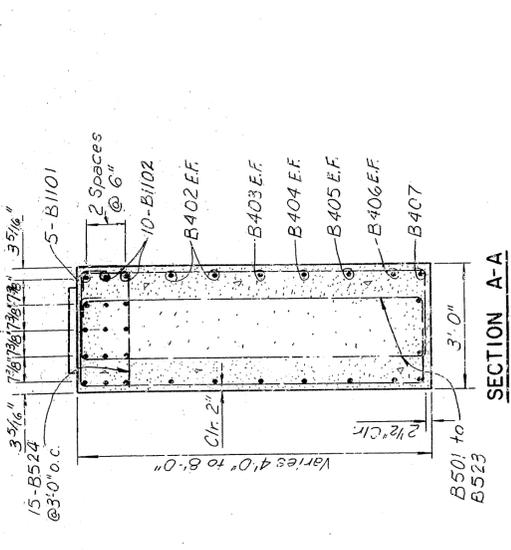
ALT. NO. 2
SHEET 2 OF 2
DETAILS OF WEST ABUTMENT
WHITE RIVER BRIDGE

MARION AND BAXTER COUNTIES
ROUTE 10
SECTION
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
DRAWN BY: P.E.S. DATE: MARCH 1985
CHECKED BY: H.V.P. DATE: MARCH 1985
DESIGNED BY: G.A.F. DATE: MARCH 1985
SCALE: As Noted
BRIDGE NO. 6059 DRAWING NO. 27386
ENGINEER

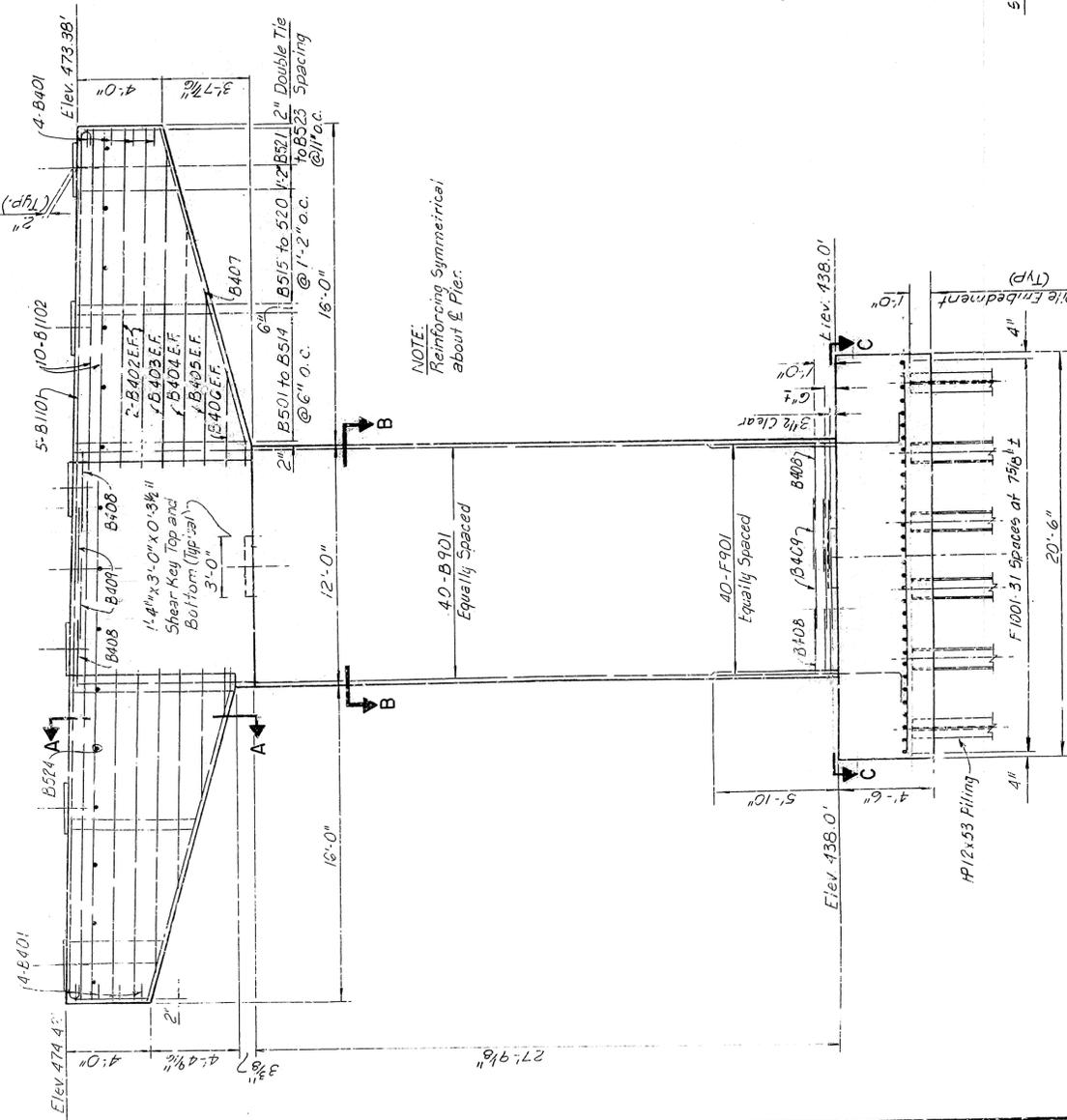
DATE REVISION	DATE FILLED	DATE REVISION	DATE FILLED	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				ARK.	6	74	27387
				JOB NO.	① 0054 DETAILS OF PIER I		



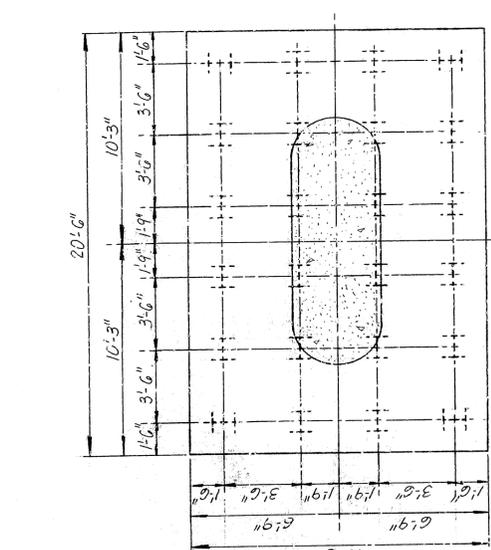
PLAN
Scale: 1/4"=1'-0"



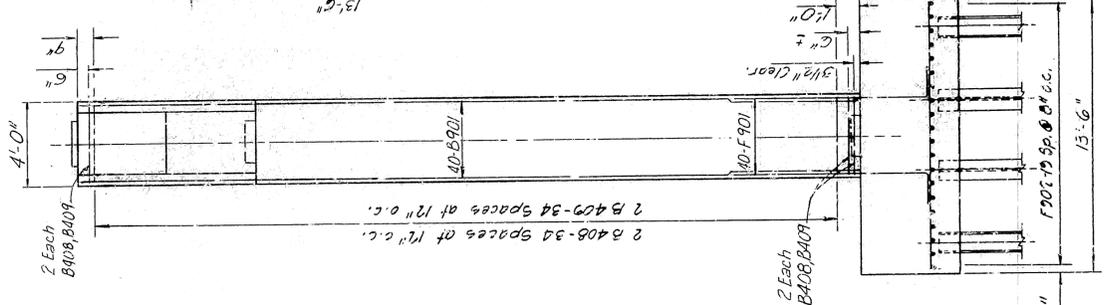
SECTION A-A
Scale: 1/2"=1'-0"



FRONT ELEVATION
Scale: 1/4"=1'-0"



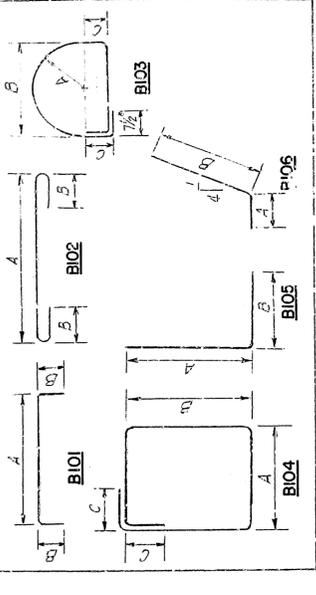
SECTION C-C
Scale: 1/4"=1'-0"



END ELEVATION
Scale: 1/4"=1'-0"

REINFORCEMENT SCHEDULE			DIMENSIONS			
MARK	NO.	LENGTH	PIN TYPE	A	B	C
B401	8	4'-4 1/4"	2" B101	2'-0"	1'-0"	
B402	8	16'-0"	5/8" Str.			
B403	4	15'-0"	5/8" Str.			
B404	4	11'-0"	5/8" Str.			
B405	4	7'-0"	5/8" Str.			
B406	4	3'-0"	5/8" Str.			
B407	8	17'-3"	2" B102	1'-0"	16'-3"	
B408	76	13'-2 1/4"	2" B103	7'-9 1/4"	3'-1 1/4"	7 1/2"
B409	76	15'-2 1/4"	2" B104	3'-6 3/4"	3'-1 1/4"	7 1/2"
B501 to B514	4	Varies 20'-6"	2 1/2" B104	2'-1"	Varies 7'-7 1/4" to 9 1/4"	
B515 to B520	4	Varies 16'-1 1/2"	2 1/2" B104	2'-1"	Varies 5'-10 3/8" to 4'-5 3/8"	
B521 to B523	4	Varies 16'-1 1/2"	2 1/2" B104	2'-1"	Varies 5'-10 3/8" to 4'-5 3/8"	
B524	15	2'-8"	5/8" Str.			
B525	40	35'-7 1/4"	5/8" Str.			
B526	40	46'-10"	1 1/4" B102	43'-3"	1'-0 1/2"	
B1101	10	43'-8"	5/8" Str.			
B1102	10	43'-8"	5/8" Str.			
F901	40	10'-3"	9" B105	8'-10 3/4"	1'-7 1/2"	
F902	20	27'-0"	5/8" Str.			
F1001	32	13'-0"	5/8" Str.			

BENDING DIAGRAM



NOTE: Dimensions of Bars are out-to-out.

ALT. NO. 2
SHEET 1 OF 1

DETAILS OF PIER I
WHITE RIVER BRIDGE

MARION AND BAXTER COUNTIES
ROUTE SEC.

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

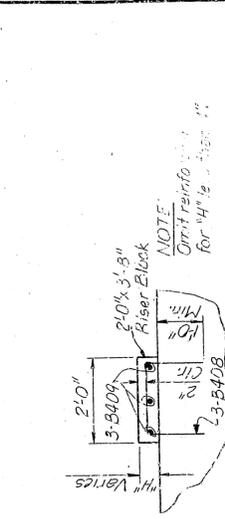
DESIGNED BY: G.A.F. DATE: MARCH 1955
CHECKED BY: H.L.P. DATE: MARCH 1955
SCALE: As Noted

BRIDGE NO. 6059

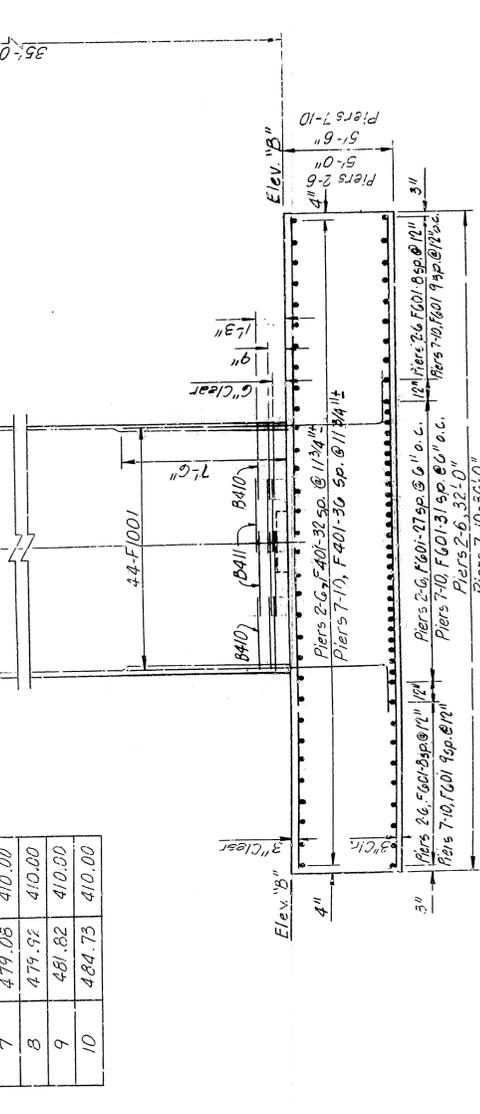
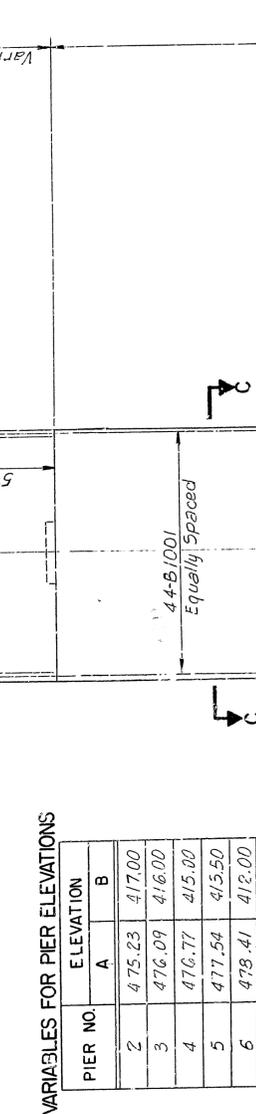
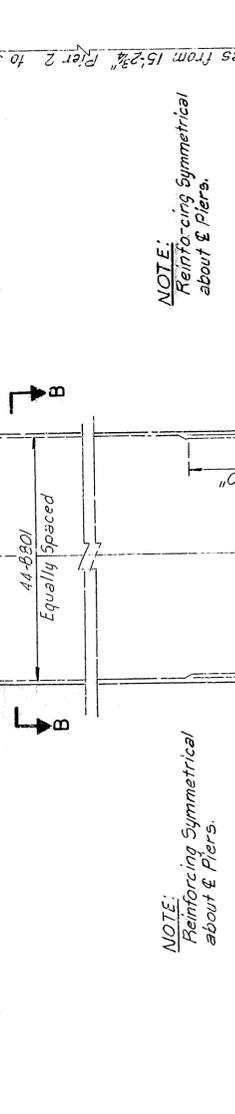
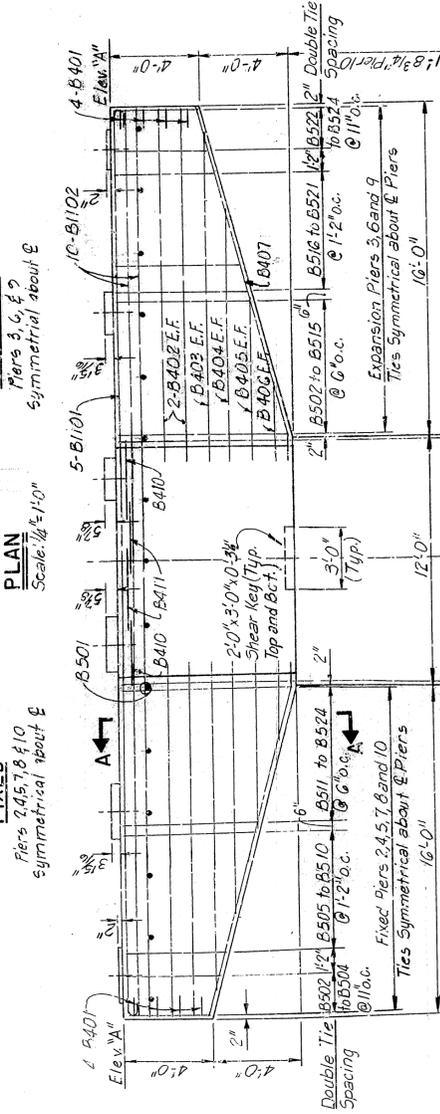
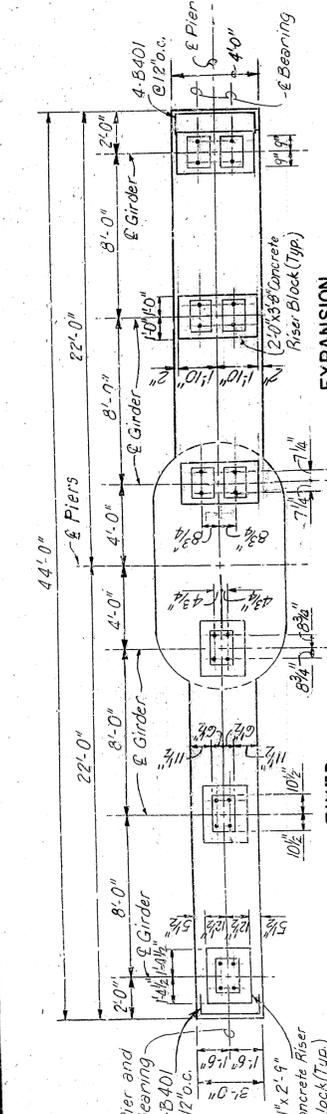
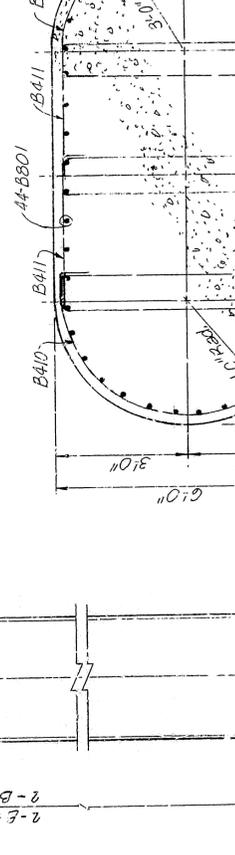
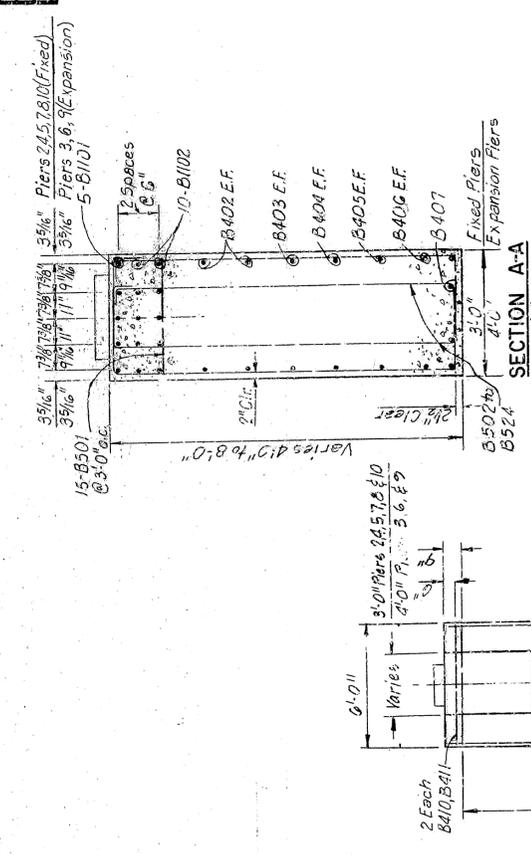
BRIDGE ENGINEER

BRIDGE ENGINEER

REVISED	DATE	BY	REASON	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
			6	ARK.	9783	75	166
06059 DETAILS OF PIERS 2-10 27388							



NOTE: Provide 1/8" Shim Plates between 1/8" Bearing End and Expansion Shoes on East Side of Piers 3 and 6. Provide 3/8" Shim Plates for Expansion Shoes on East Side of Pier 9. Shim Plates to be same dimensions as 1/8" Bearing Pads, for Details, see Drawing No. 27377. Shim Plates shall be measured and paid for as Structural Steel in Plate Girder Spans (A36).



VARIABLES FOR PIER ELEVATIONS

PIER NO.	ELEVATION A	ELEVATION B
2	475.23	417.00
3	476.09	416.00
4	476.77	415.00
5	477.54	415.50
6	479.41	412.00
7	479.05	410.00
8	479.92	410.00
9	481.82	410.00
10	484.73	410.00

ALT. NO. 2
SHEET 1 OF 2

DETAILS OF PIERS 2 THRU 10
WHITE RIVER BRIDGE

MARION AND BAXTER COUNTIES
ROUTE 92C.

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: J.F.F. DATE: 10-10-1955
CHECKED BY: J.F.F. DATE: 10-10-1955
DESIGNED BY: J.F.F. DATE: 10-10-1955

BRIDGE NO. 6059 DRAWING NO. 27388

SCALE: AS SHOWN

ENGINEER

END ELEVATION
Scale: 1/4"=1'-0"

Piers 2-6: 16'-0" F1002-31 spaces at 6" o.c.
Piers 7-10: 18'-0" F1002-35 spaces at 6" o.c.

FRONT ELEVATION
Scale: 1/4"=1'-0"

Piers 2-6: 16'-0" F1001-31 spaces at 6" o.c.
Piers 7-10: 18'-0" F1001-35 spaces at 6" o.c.

REINFORCEMENT SCHEDULES

BARS COMMON TO PIERS 2 - 10

MARK NO.	LENGTH	PIN DIA.	DIMENSIONS		
			A	B	C
B402	15'-0"	Str.		1'-3 3/8"	
B403	5'-0"	Str.			
B404	11'-0"	Str.		5'-7"	8 3/4"
B405	7'-0"	Str.		5'-7"	7 1/2"
B406	3'-0"	Str.			9 1/4"
B407	1'-3"	Str.			9 1/4"
B101	40'-0"	Str.			9 1/4"
B102	43'-8"	Str.			9 1/4"
B103	43'-8"	Str.			9 1/4"

PIER 2

MARK NO.	LENGTH	PIN DIA.	PIN TYPE	DIMENSIONS		
				A	B	C
B408	4	5'-1"	2"	B101	2'-5"	1'-3 3/8"
B409	6	1'-9"	Str.			
B410	12	16'-0"	2"	B103	2'-9 1/2"	5'-7"
B411	12	19'-0"	2"	B104	3'-6"	7 1/2"
B502	4	12'-6"	2 1/2"	B104	2'-1"	Varies: 3'-7 1/8" to 4'-1 1/8"
B504	4	13'-5"	2 1/2"	B104	2'-1"	Varies: 4'-1 1/8" to 4'-5 5/8"
B505	4	14'-0"	2 1/2"	B104	2'-1"	Varies: 4'-5 5/8" to 5'-10 5/8"
B510	4	16'-11"	2 1/2"	B104	2'-1"	Varies: 5'-11 1/8" to 7'-7 3/8"
B511	4	17'-2"	2 1/2"	B104	2'-1"	Varies: 5'-11 1/8" to 7'-7 3/8"
B524	4	20'-6"	2 1/2"	B104	2'-1"	Varies: 5'-11 1/8" to 7'-7 3/8"
B601	44	23'-1"	Str.			
F401	33	15'-6"	Str.			
F402	17	31'-6"	Str.			
F601	46	15'-6"	Str.			
F1001	44	13'-7"	10"	B105	12'-1"	1'-9 3/4"
F1002	32	31'-6"	Str.			
B401	8	4'-4 1/2"	2"	B101	3'-6 1/2"	1'-0"
B501	15	2'-8"	Str.			

PIER 3

MARK NO.	LENGTH	PIN DIA.	PIN TYPE	DIMENSIONS		
				A	B	C
B408	4	4'-4"	2"	B101	1'-8"	1'-3 3/8"
B409	6	3'-4"	Str.			
B410	12	16'-0"	2"	B103	2'-9 1/2"	5'-7"
B411	12	19'-0"	2"	B104	3'-6"	7 1/2"
B502	4	12'-6"	2 1/2"	B104	2'-10 3/8"	Varies: 7'-7 3/8" to 5'-11 1/8"
B504	4	13'-5"	2 1/2"	B104	2'-10 3/8"	Varies: 7'-7 3/8" to 5'-11 1/8"
B505	4	14'-0"	2 1/2"	B104	2'-10 3/8"	Varies: 7'-7 3/8" to 5'-11 1/8"
B510	4	16'-11"	2 1/2"	B104	2'-10 3/8"	Varies: 7'-7 3/8" to 5'-11 1/8"
B511	4	17'-2"	2 1/2"	B104	2'-10 3/8"	Varies: 7'-7 3/8" to 5'-11 1/8"
B524	4	20'-6"	2 1/2"	B104	2'-10 3/8"	Varies: 7'-7 3/8" to 5'-11 1/8"
B601	44	24'-11"	Str.			
F401	33	15'-6"	Str.			
F402	17	31'-6"	Str.			
F601	46	15'-6"	Str.			
F1001	44	13'-7"	10"	B105	12'-1"	1'-9 3/4"
F1002	32	31'-6"	Str.			
B401	8	5'-4 1/2"	2"	B101	3'-6 1/2"	1'-0"
B501	15	3'-8"	Str.			

PIER 4

MARK NO.	LENGTH	PIN DIA.	PIN TYPE	DIMENSIONS		
				A	B	C
B408	4	5'-1"	2"	B101	5'-5"	1'-3 3/8"
B409	6	1'-9"	Str.			
B410	12	16'-0"	2"	B103	2'-9 1/2"	5'-7"
B411	12	19'-0"	2"	B104	3'-6"	7 1/2"
B502	4	12'-6"	2 1/2"	B104	2'-1"	Varies: 3'-7 1/8" to 4'-1 1/8"
B504	4	13'-5"	2 1/2"	B104	2'-1"	Varies: 3'-7 1/8" to 4'-1 1/8"
B505	4	14'-0"	2 1/2"	B104	2'-1"	Varies: 4'-5 5/8" to 5'-10 5/8"
B510	4	16'-11"	2 1/2"	B104	2'-1"	Varies: 5'-11 1/8" to 7'-7 3/8"
B511	4	17'-2"	2 1/2"	B104	2'-1"	Varies: 5'-11 1/8" to 7'-7 3/8"
B524	4	20'-6"	2 1/2"	B104	2'-1"	Varies: 5'-11 1/8" to 7'-7 3/8"
B601	44	26'-7"	Str.			
F401	33	15'-6"	Str.			
F402	17	31'-6"	Str.			
F601	46	15'-6"	Str.			
F1001	44	13'-7"	10"	B105	12'-1"	1'-9 3/4"
F1002	32	31'-6"	Str.			
B401	8	4'-4 1/2"	2"	B101	2'-6 1/2"	1'-0"
B501	15	2'-8"	Str.			

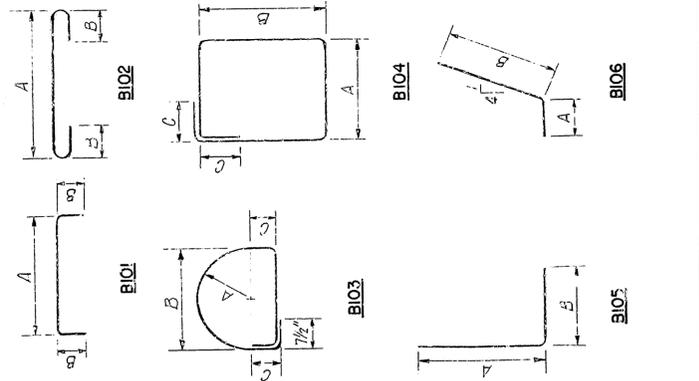
PIER 5

MARK NO.	LENGTH	PIN DIA.	PIN TYPE	DIMENSIONS		
				A	B	C
B408	4	5'-1"	2"	B101	2'-5"	1'-3 3/8"
B409	6	1'-9"	Str.			
B410	12	16'-0"	2"	B103	2'-9 1/2"	5'-7"
B411	12	19'-0"	2"	B104	3'-6"	7 1/2"
B502	4	12'-6"	2 1/2"	B104	2'-1"	Varies: 3'-7 1/8" to 4'-1 1/8"
B504	4	13'-5"	2 1/2"	B104	2'-1"	Varies: 3'-7 1/8" to 4'-1 1/8"
B505	4	14'-0"	2 1/2"	B104	2'-1"	Varies: 4'-5 5/8" to 5'-10 5/8"
B510	4	16'-11"	2 1/2"	B104	2'-1"	Varies: 5'-11 1/8" to 7'-7 3/8"
B511	4	17'-2"	2 1/2"	B104	2'-1"	Varies: 5'-11 1/8" to 7'-7 3/8"
B524	4	20'-6"	2 1/2"	B104	2'-1"	Varies: 5'-11 1/8" to 7'-7 3/8"
B601	44	28'-10"	Str.			
F401	33	15'-6"	Str.			
F402	17	31'-6"	Str.			
F601	46	15'-6"	Str.			
F1001	44	13'-7"	10"	B105	12'-1"	1'-9 3/4"
F1002	32	31'-6"	Str.			
B401	8	4'-4 1/2"	2"	B101	2'-6 1/2"	1'-0"
B501	15	2'-8"	Str.			

PIER 6

MARK NO.	LENGTH	PIN DIA.	PIN TYPE	DIMENSIONS		
				A	B	C
B408	4	4'-4"	2"	B101	1'-3"	1'-3 3/8"
B409	6	3'-4"	Str.			
B410	14	16'-0"	2"	B103	2'-9 1/2"	5'-7"
B411	14	19'-0"	2"	B104	3'-6"	7 1/2"
B502	4	12'-6"	2 1/2"	B104	2'-1"	Varies: 3'-7 1/8" to 4'-1 1/8"
B504	4	13'-5"	2 1/2"	B104	2'-1"	Varies: 3'-7 1/8" to 4'-1 1/8"
B505	4	14'-0"	2 1/2"	B104	2'-1"	Varies: 4'-5 5/8" to 5'-10 5/8"
B510	4	16'-11"	2 1/2"	B104	2'-1"	Varies: 5'-11 1/8" to 7'-7 3/8"
B511	4	17'-2"	2 1/2"	B104	2'-1"	Varies: 5'-11 1/8" to 7'-7 3/8"
B524	4	20'-6"	2 1/2"	B104	2'-1"	Varies: 5'-11 1/8" to 7'-7 3/8"
B601	44	31'-3"	Str.			
F401	33	15'-6"	Str.			
F402	17	31'-6"	Str.			
F601	46	15'-6"	Str.			
F1001	44	13'-7"	10"	B105	12'-1"	1'-9 3/4"
F1002	32	31'-6"	Str.			
B401	8	5'-4 1/2"	2"	B101	3'-6 1/2"	1'-0"
B501	15	3'-8"	Str.			

BENDING DIAGRAMS



NOTE: Dimensions of Bars are out-to-out.

PIER 7

MARK NO.	LENGTH	PIN DIA.	PIN TYPE	DIMENSIONS		
				A	B	C
B408	4	5'-1"	2"	B101	2'-5"	1'-3 3/8"
B409	6	1'-9"	Str.			
B410	14	16'-0"	2"	B103	2'-9 1/2"	5'-7"
B411	14	19'-0"	2"	B104	3'-6"	7 1/2"
B502	4	12'-6"	2 1/2"	B104	2'-1"	Varies: 3'-7 1/8" to 4'-1 1/8"
B504	4	13'-5"	2 1/2"	B104	2'-1"	Varies: 3'-7 1/8" to 4'-1 1/8"
B505	4	14'-0"	2 1/2"	B104	2'-1"	Varies: 4'-5 5/8" to 5'-10 5/8"
B510	4	16'-11"	2 1/2"	B104	2'-1"	Varies: 5'-11 1/8" to 7'-7 3/8"
B511	4	17'-2"	2 1/2"	B104	2'-1"	Varies: 5'-11 1/8" to 7'-7 3/8"
B524	4	20'-6"	2 1/2"	B104	2'-1"	Varies: 5'-11 1/8" to 7'-7 3/8"
B601	44	33'-11"	Str.			
F401	37	17'-6"	Str.			
F402	19	35'-6"	Str.			
F601	52	17'-6"	Str.			
F1001	44	14'-1"	10"	B105	12'-6 3/4"	1'-9 3/4"
F1002	36	35'-6"	Str.			
B401	8	4'-4 1/2"	2"	B101	2'-6 1/2"	1'-0"
B501	15	2'-8"	Str.			

PIER 8

MARK NO.	LENGTH	PIN DIA.	PIN TYPE	DIMENSIONS		
				A	B	C
B408	4	5'-1"	2"	B101	2'-5"	1'-3 3/8"
B409	6	1'-9"	Str.			
B410	14	16'-0"	2"	B103	2'-9 1/2"	5'-7"
B411	14	19'-0"	2"	B104	3'-6"	7 1/2"
B502	4	12'-6"	2 1/2"	B104	2'-1"	Varies: 3'-7 1/8" to 4'-1 1/8"
B504	4	13'-5"	2 1/2"	B104	2'-1"	Varies: 3'-7 1/8" to 4'-1 1/8"
B505	4	14'-0"	2 1/2"	B104	2'-1"	Varies: 4'-5 5/8" to 5'-10 5/8"
B510	4	16'-11"	2 1/2"	B104	2'-1"	Varies: 5'-11 1/8" to 7'-7 3/8"
B511	4	17'-2"	2 1/2"	B104	2'-1"	Varies: 5'-11 1/8" to 7'-7 3/8"
B524	4	20'-6"	2 1/2"	B104	2'-1"	Varies: 5'-11 1/8" to 7'-7 3/8"
B601	44	34'-9"	Str.			
F401	37	17'-6"	Str.			
F402	19	35'-6"	Str.			
F601	52	17'-6"	Str.			
F1001	44	14'-1"	10"	B105	12'-6 3/4"	1'-9 3/4"
F1002	36	35'-6"	Str.			
B401	8	4'-4 1/2"	2"	B101	2'-6 1/2"	1'-0"
B501	15	2'-8"	Str.			

PIER 9

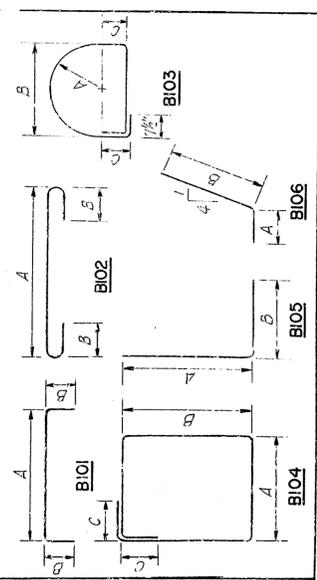
MARK NO.	LENGTH	PIN DIA.	PIN TYPE	DIMENSIONS		
				A	B	C
B408	4	4'-4"	2"	B101	1'-8"	1'-3 3/8"
B409	6	3'-4"	Str.			
B410	15	16'-0"	2"	B103	2'-9 1/2"	5'-7"
B411	15	19'-0"	2"	B104	3'-6"	7 1/2"
B502	4	12'-6"	2 1/2"	B104	2'-10 3/8"	Varies: 7'-7 3/8" to 5'-11 1/8"
B504	4	13'-5"	2 1/2"	B104	2'-10 3/8"	Varies: 7'-7 3/8" to 5'-11 1/8"
B505	4	14'-0"	2 1/2"	B104	2'-10 3/8"	Varies: 7'-7 3/8" to 5'-11 1/8"
B510	4	16'-11"	2 1/2"	B104	2'-10 3/8"	Varies: 7'-7 3/8" to 5'-11 1/8"
B511	4	17'-2"	2 1/2"	B104	2'-10 3/8"	Varies: 7'-7 3/8" to 5'-11 1/8"
B524	4	20'-6"	2 1/2"	B104	2'-10 3/8"	Varies: 7'-7 3/8" to 5'-11 1/8"
B601	44	36'-8"	Str.			
F401	37	17'-6"	Str.			
F402	19	35'-6"	Str.			
F601	52	17'-6"	Str.			
F1001	44	14'-1"	10"	B105	12'-6 3/4"	1'-9 3/4"
F1002	36	35'-6				

STATE	ARK.	FED. AID PROJ. NO.	
ROUTE	6	ROUTE	
PROJECT		PROJECT	
DATE	9-7-82	DATE	
NO.	77	NO.	27390

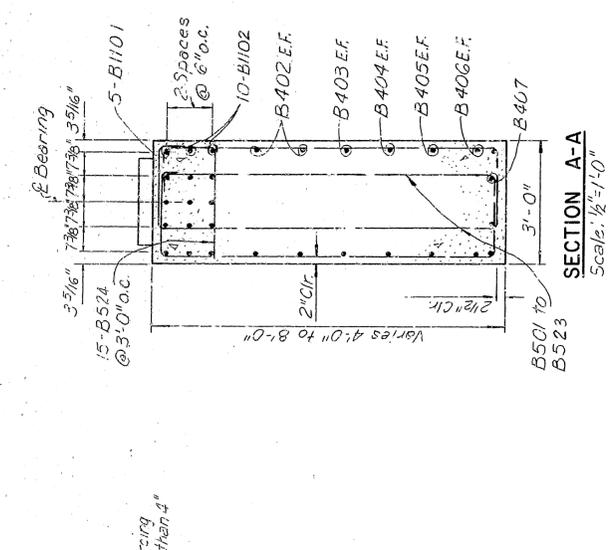
6089 DETAILS OF PIER II

MARK	NO.	LENGTH	PIN DIA.	TYPE	DIMENSIONS	
					A	B
B401	8	2'-4 1/2"	5/8"	B101	2'-6 1/2"	1'-0"
B402	8	16'-10"	5/8"	S1r		
B403	4	15'-0"	5/8"	S1r		
B404	4	11'-0"	5/8"	S1r		
B405	4	7'-0"	5/8"	S1r		
B406	4	3'-0"	5/8"	S1r		
B407	8	17'-3"	2"	B102	10'-0"	16'-3"
B408	4	5'-7"	2"	B101	2'-5"	7'-3 1/2"
B409	6	7'-9"	5/8"	S1r		
B410	100	12'-6"	2"	B103	1'-9 1/2"	3'-7"
B411	100	16'-1"	2"	B104	4'-0 1/2"	3'-7"
B501 to B514	4	Varies 10'-6" to 17'-2"	2 1/2"	B104	2'-4"	Varies 1'-0 1/2" to 3'-1 1/2"
B515 to B520	4	Varies 16'-1 1/2" to 14'-0"	2 1/2"	B104	2'-4"	Varies 5'-10 3/8" to 4'-5 5/8"
B521 to B523	4	Varies 13'-5" to 12'-6"	2 1/2"	B104	2'-4"	Varies 1'-10 1/2" to 1'-0 1/2"
B547	15	2'-8"	5/8"	S1r		
B548	15	2'-8"	5/8"	S1r		
B549	42	47'-9"	5/8"	S1r		
B1101	5	46'-10"	1 1/4"	B102	43'-8"	1'-0 1/2"
B1102	10	43'-8"	5/8"	S1r		
F901	42	10'-3"	9"	B105	8'-10 3/8"	1'-7 1/2"
F902	20	20'-0"	5/8"	S1r		
F1001	24	13'-0"	5/8"	S1r		

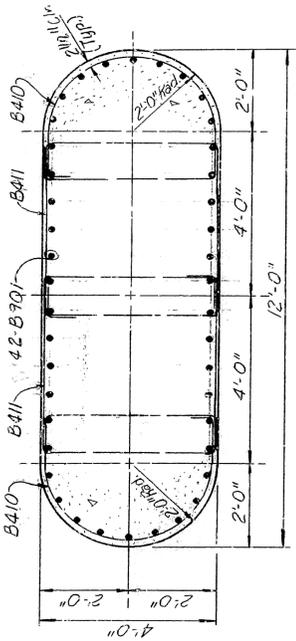
REINFORCEMENT SCHEDULE



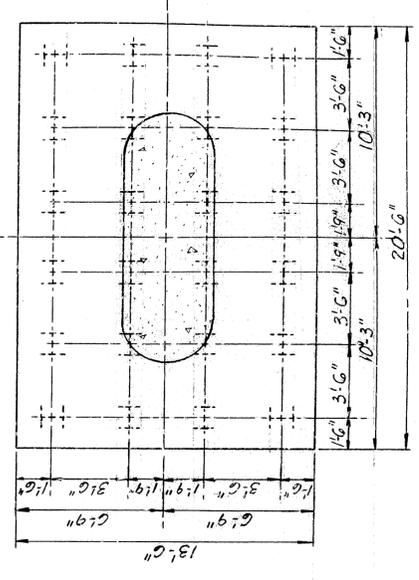
NOTE: Dimensions of Bars are out-to-out.



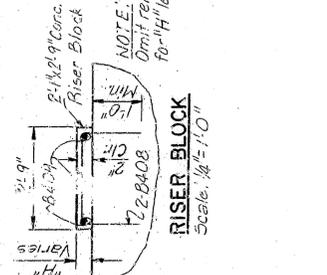
SECTION A-A
Scale: 1/4" = 1'-0"



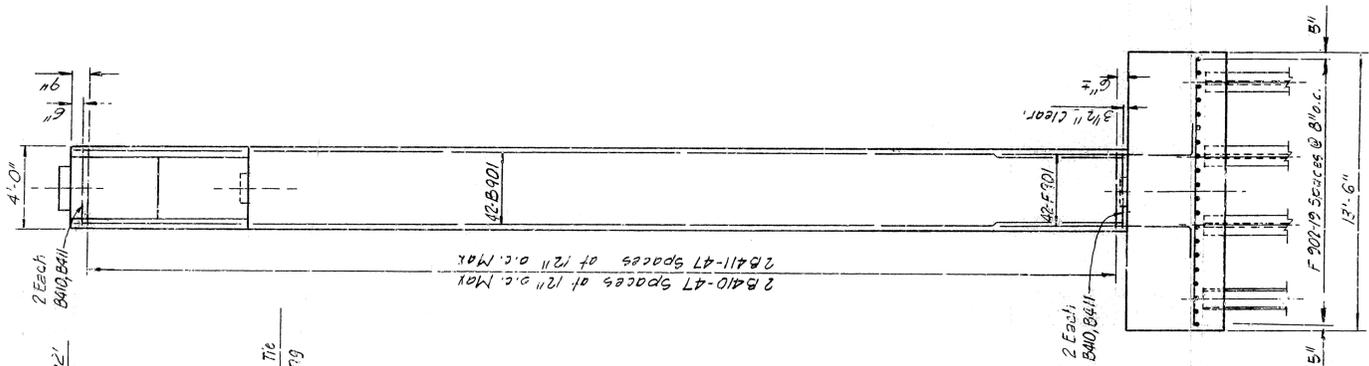
SECTION B-B
Scale: 1/4" = 1'-0"



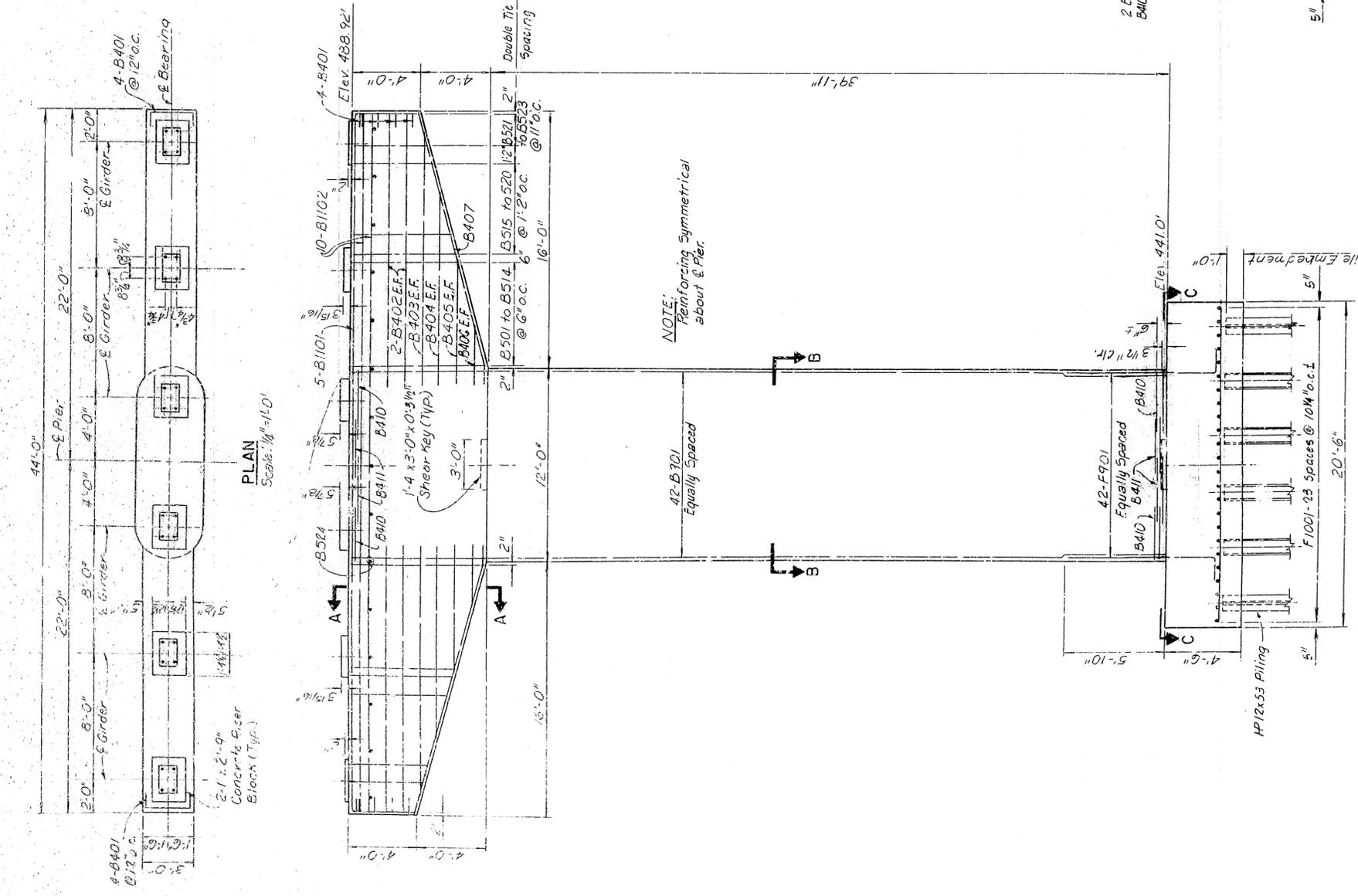
SECTION C-C
Scale: 1/4" = 1'-0"



RISER BLOCK
Scale: 1/4" = 1'-0"



END ELEVATION
Scale: 1/4" = 1'-0"



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

FRONT ELEVATION
Scale: 1/4" = 1'-0"

ALT. NO. 2
SHEET 1 OF 1
DETAILS OF PIER II
WHITE RIVER BRIDGE
MARION AND BAXTER COUNTIES
ROUTE SEC.
ARIZONA STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

BRIDGE NO. 6059
DRAWING NO. 27390

DATE: MARCH 1985
CHECKED BY: J.W.P.
DESIGNED BY: S.A.F.

DATE: MARCH 1985
SCALE: AS NOTED

BRIDGE ENGINEER

STATE	ARK	PROJ. NO.	9783	SHEET NO.	80	TOTAL SHEETS	166
DATE		DESIGNER		CHECKED BY		SCALE	As Noted
DATE		DESIGNED BY		DATE		DATE	

0059 DTL5 PLATE GIRD SPANS 27393

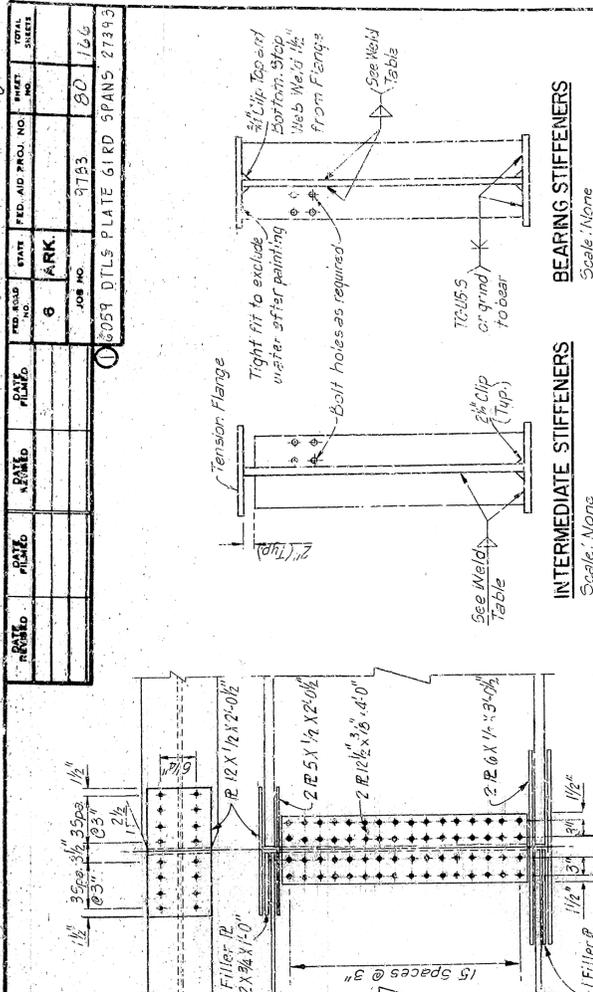
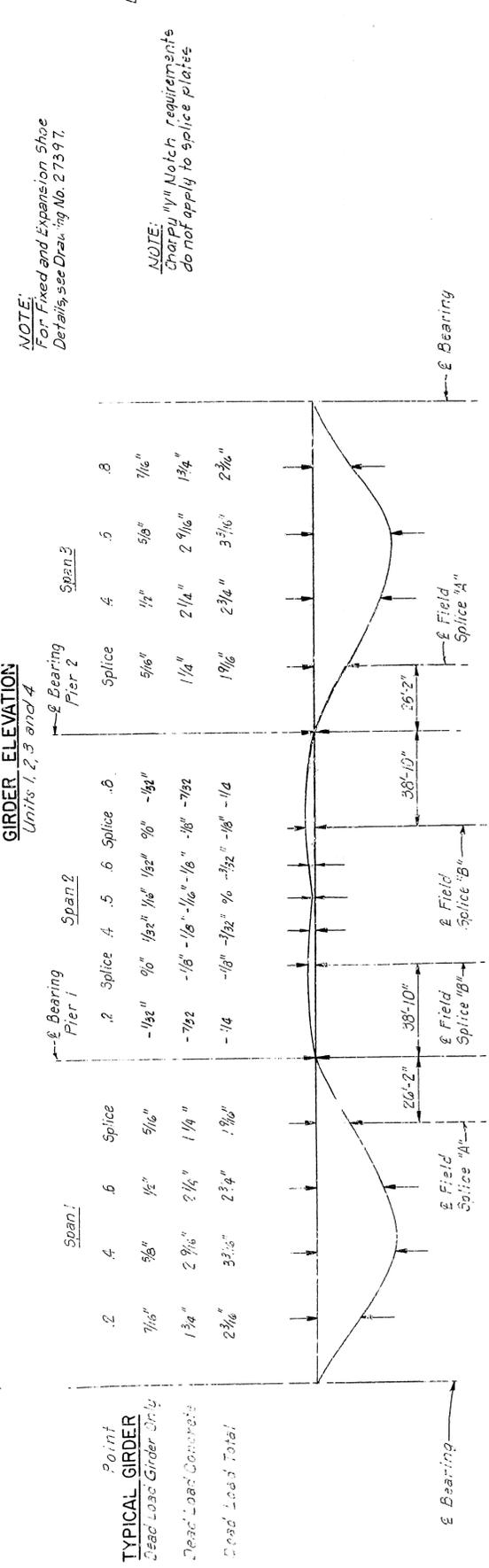
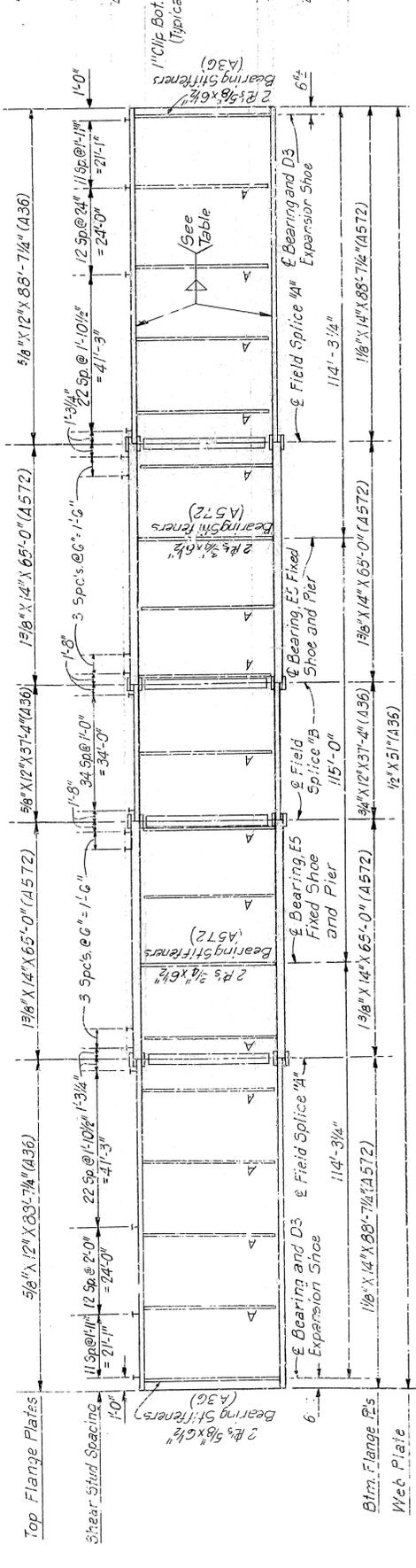
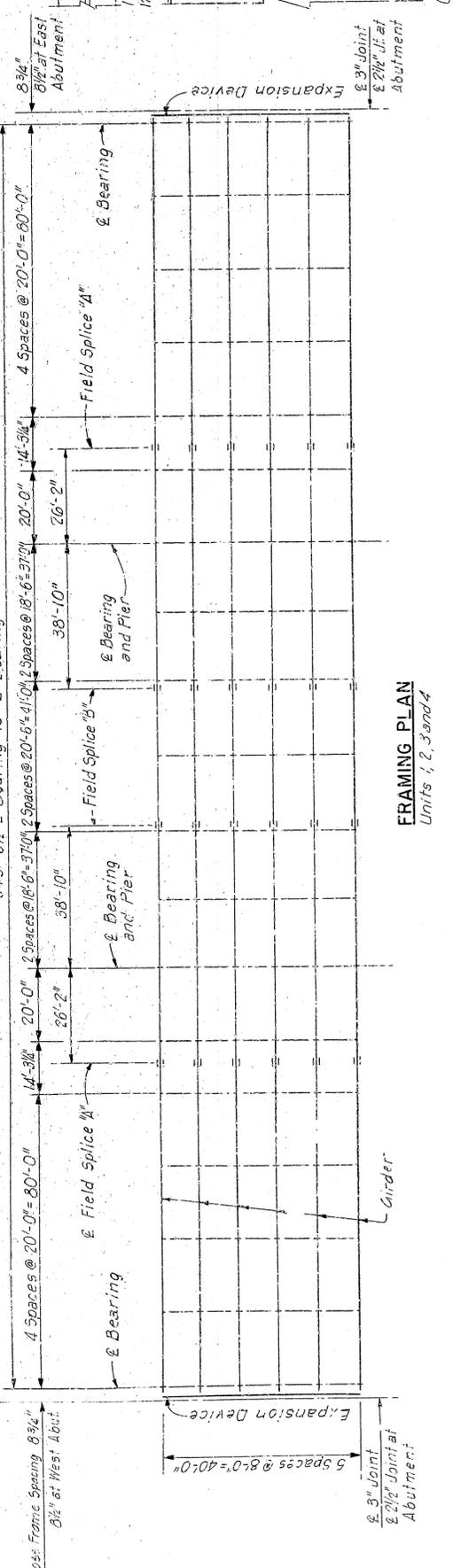


TABLE FOR MINIMUM FILLET WELD SIZE

Material Thickness of thicker part joined (inches)	Minimum Size of Fillet Weld (inches)
To 1/2" inclusive	3/16"
Over 1/2" to 3/4"	1/4"
Over 3/4"	5/16"

For Shop Weld Details of Flange and Web Splices, see Drawing 2738.

STIFFENER PLATE SIZE

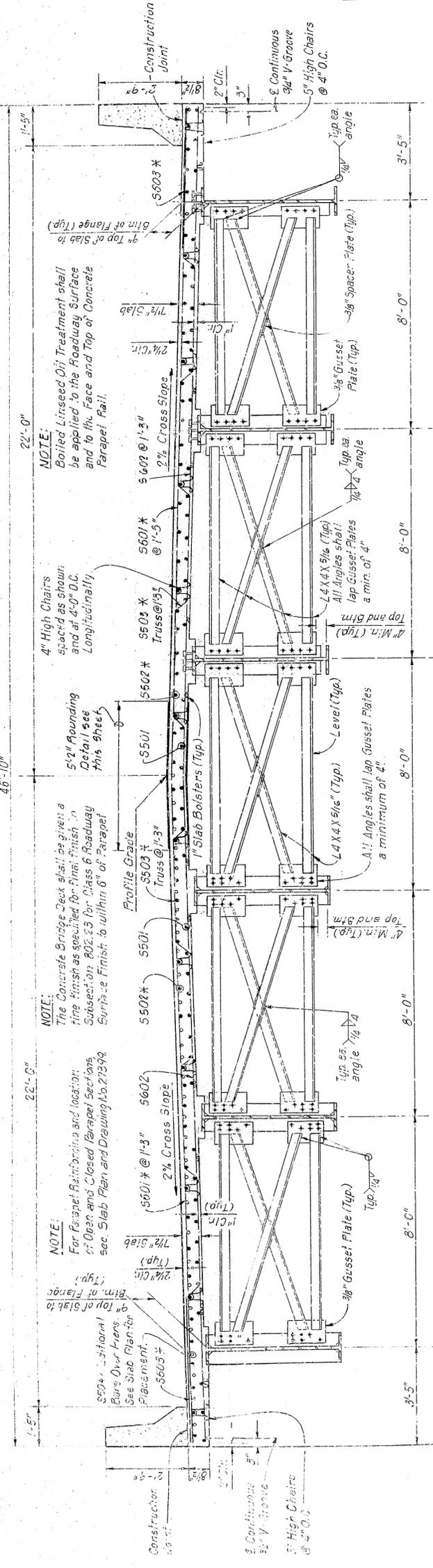
Stiffener	Plate Size
A	16" x 4"

NOTE:
For Fixed and Expansion Shoe Details, see Drawing No. 27397.

NOTE:
Chamfer 1/4" Notch requirements do not apply to splice plates.

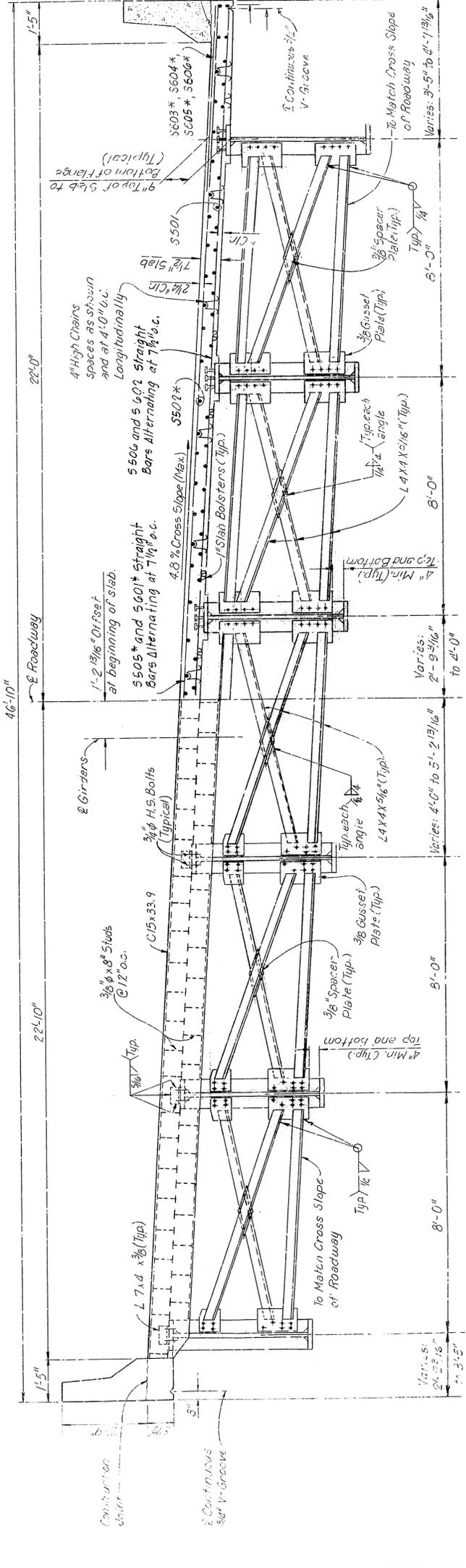
STATE	ARK	FED. AID PROJ. NO.		TOTAL SHEETS	
PROJECT NO.	6	ROUTE	9793	SHEET NO.	B2
DATE		JOB NO.	27393		100

6089 DTLs PLATE GIRD SPANS 27393



HALF SECTION AT INTERIOR PIER
Scale: 1/2" = 1'-0"

HALF SECTION AT MID SPAN
Scale: 1/2" = 1'-0"



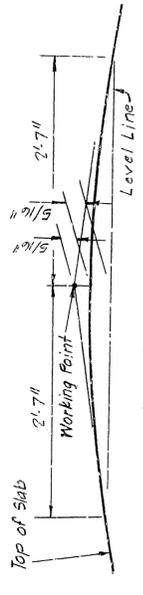
HALF SECTION AT WEST ABUTMENT
Scale: 1/2" = 1'-0"

HALF SECTION IN HORIZONTAL CURVE
Scale: 1/2" = 1'-0"

NOTE: See Slab Plan for placement of transverse reinforcing.

LOAD DISTRIBUTION TABLE

Dead Load Non-Composite	Interior Girder	Exterior Girder
150 PLF	150 PLF	150 PLF
Dead Load to Comp. Girder	270 PLF	230 PLF
Includes 20 lbs./ft ² for Future Wearing Surface		
Live Loads to Composite Girder	140 Wheels / Impact	133 Wheels + Impact
		Includes Slab and Diaphragms.



ALT. NO. 2
SHEET 3 OF 4

DETAILS OF PLATE GIRDER SPANS
WHITE RIVER BRIDGE

MARION AND BAXTER COUNTIES
ROUTE SEC.

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: DATE: SCALE:
CHECKED BY: DATE: SCALE:

BRIDGE NO. 6059
DRAWING NO. 27395

BRIDGE ENGINEER

