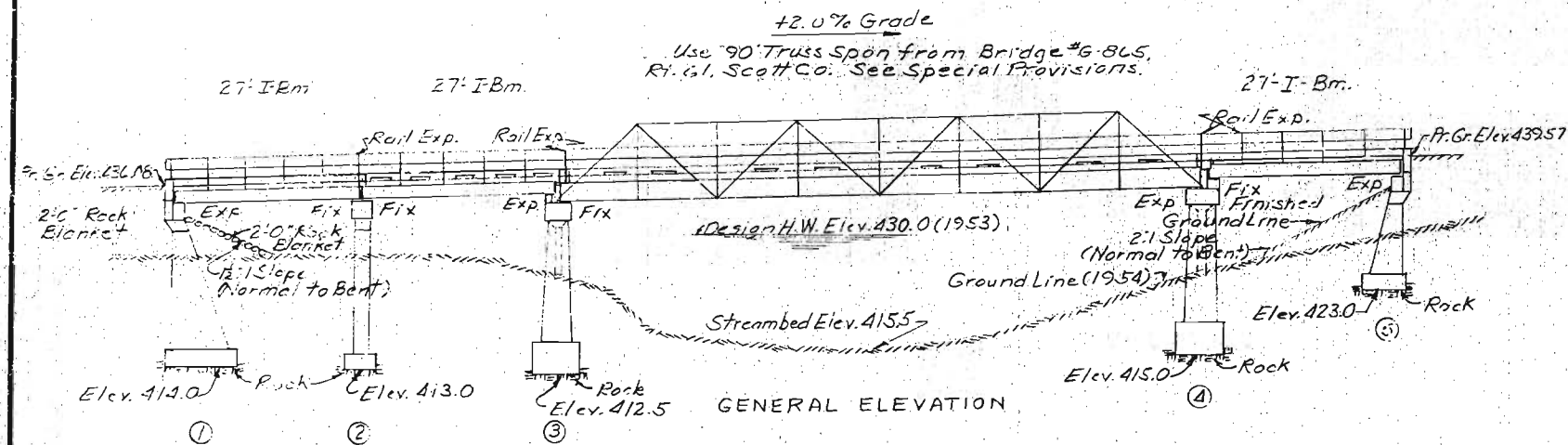
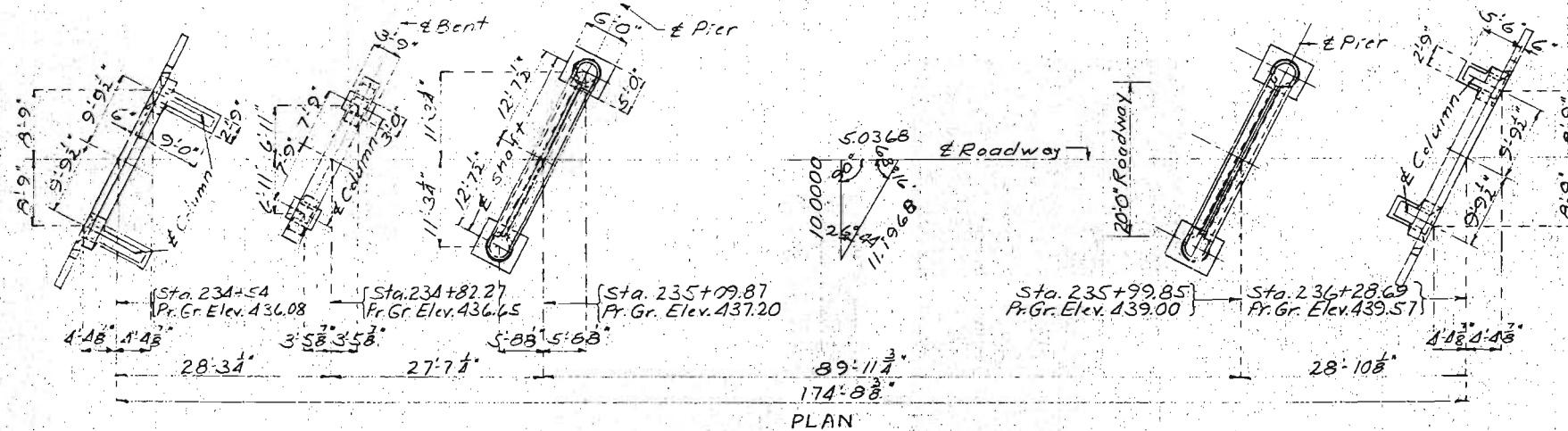
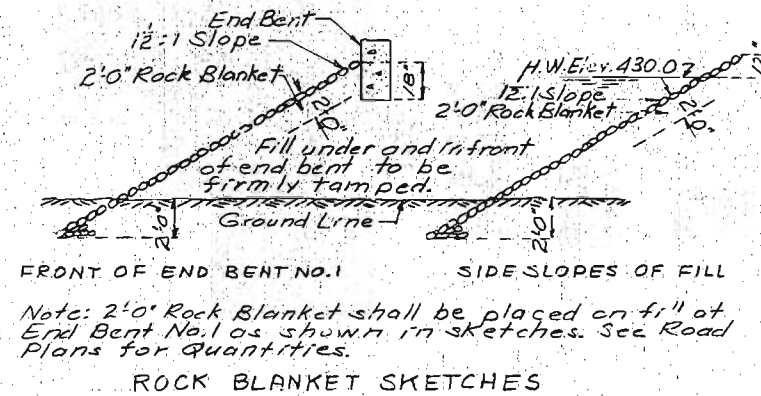


MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	3-187(1) Sec. A(SD)	19		



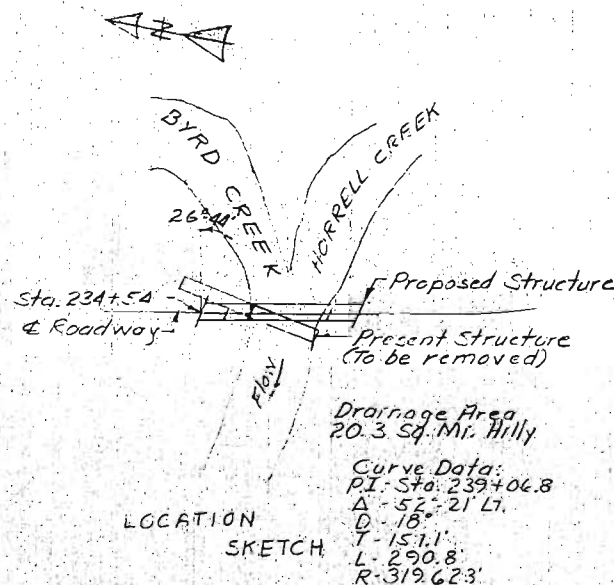
Note: All loose, shelly or disintegrated rock shall be removed and the footings placed on hard, solid undisturbed rock. If soft rock or shale is encountered, the footings shall be carried at least 18" into and cast against vertical faces of same.



GENERAL NOTES:
Design Specifications: A.A.S.H.O. 1953
Loading: H10-44
Structural Steel Stress 18,000 #/sq. in.
Reinforcing Steel Stress 18,000 #/sq. in.
Concrete, Class "B" Stress 1000 #/sq. in.
All concrete shall be Class "B."
Rivets 5/8" holes except in handrail, where rivets shall be 3/4" holes.
Field connections shall be riveted or if the Contractor desires he may use high tensile steel bolts with carburized washers for truss and expansion device connections and American Standard Regular machine bolts for I-Beam Span connections in place of rivets except for connections noted in handrail and truss bearings. See Special Provisions.
Paints: Shop, none; Field, contact surfaces of bolted field connections except where high tensile bolts are used, one coat of red lead and surfaces inaccessible after erection three coats of red lead. No other paint to be applied by Contractor. Red lead required shall be furnished by Contractor. Payment for cleaning and painting such surfaces will be included in unit price bid for Fabricated Structural Steel.
Where joint filler is specified on the plans it shall conform with the requirements for Premoulded Material for Filler as given in Section 38-19A(1)h of the Standard Specifications.

ESTIMATED QUANTITIES			
Item	Substr.	Superstr.	Tot.
Class 1 Excavation for Structures Cu. Yds.	190		190
Class 2 Excavation for Structures Cu. Yds.	62		62
Fabricated Structural Steel (Old) Lbs.		66,560	66,560
Fabricated Structural Steel (New) Lbs.		29,100	29,100
Class "B" Concrete Cu. Yds.	122.6	88.1	210.7
Reinforcing Steel Lbs.	11,650	18,670	30,320

Note: Excavation for bridge made above Elev. 417.0 will be paid for as Class 1 Excavation for Structures.
Excavation for bridge made below Elev. 417.0 will be paid for as Class 2 Excavation for Structures.
See Special Provisions regarding (old) and (new) Fabricated Structural Steel.



Drawn Oct. 1954 by H.J.K.
Checked Oct. 1954 by C.S.A.

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 1 of 7.

SEE FINAL PLANS BROWN-LINES

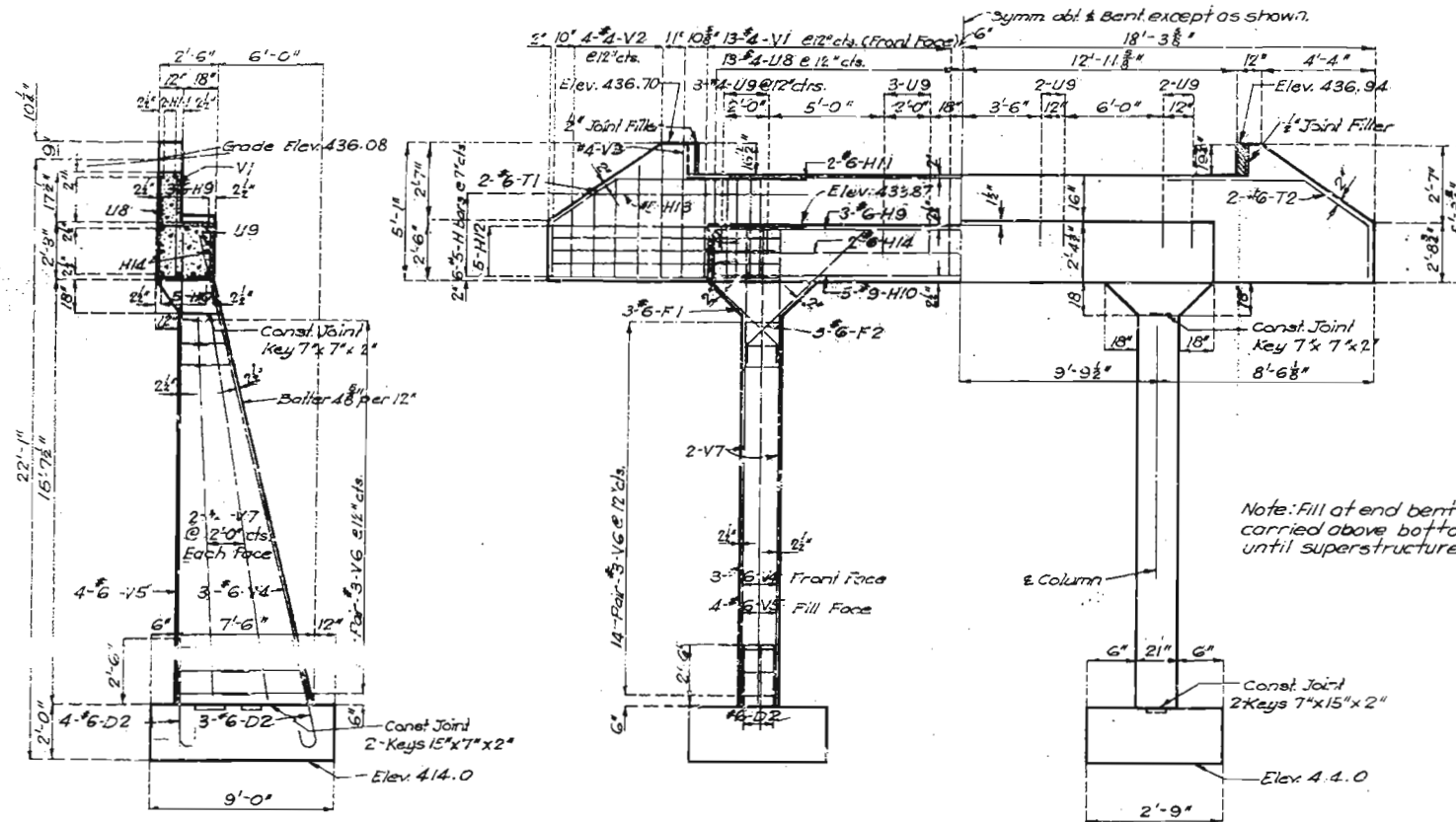
B.M. Elev. 428.58 N.I.S. 24" Sycamore 6.5' Lt. Sta. 234+22
BRIDGE OVER BYRD CREEK
STATE ROAD FROM RTE. 56 AT DAKRIDGE SOUTH TO JACKSON
ABOUT 6.7 MILES N.W. OF JACKSON
PROJECT NO. S-187(1) SEC. A(SD) STA. 234+54
CAPE GIRARDEAU COUNTY

SUBMITTED BY J.A. Williams DATE 11/4/1954
APPROVED BY R.M. Wharton DATE 11/4/1954

FINISHED
FINISHED
STD-C-110R3
P-734

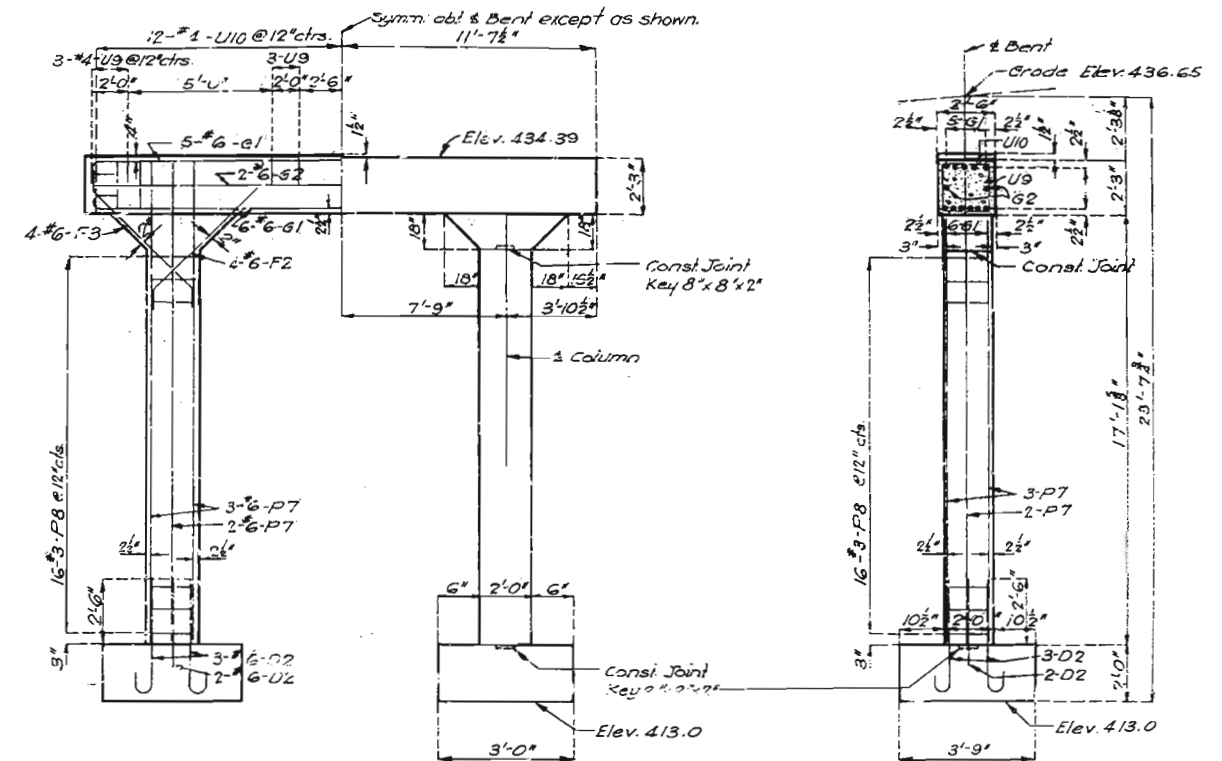
MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	5-18711) Sec. A (SD)	19		



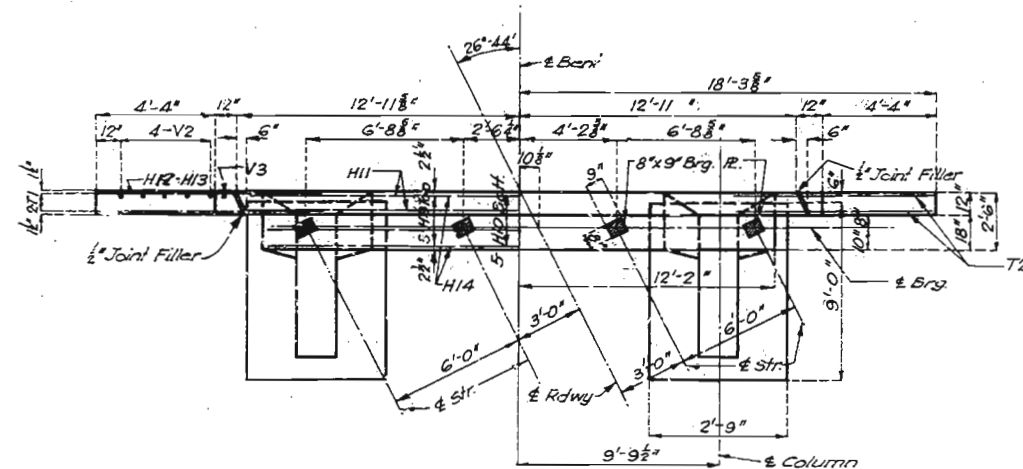
SECTION AT E

ELEVATION



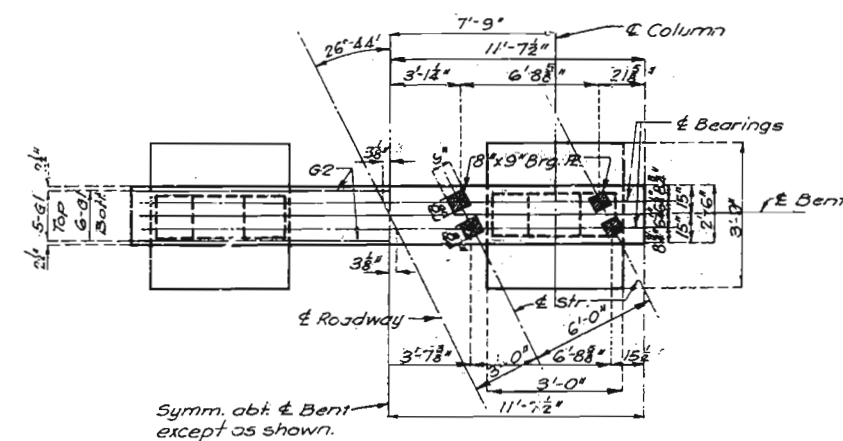
ELEVATION

SECTION AT E



PLAN

DETAILS OF END BENT NO. 1



PLAN

DETAILS OF INT. BENT NO. 2

BRIDGE OVER BYRD CREEK

STATE ROAD FROM RT. SE AT OAK RIDGE SOUTH TO JACKSON
ABOUT 6.7 MILES N.W. OF JACKSON

PROJECT NO. S-187(1) SEC. A (SD) STA. 234+54

CAPE GIRARDEAU COUNTY

P-734

Assembled Oct. 1954 By H. J. K. & J. T. F.
Checked Oct. 1954 by C. S. A.

Note: This drawing is not to scale. Follow dimensions.

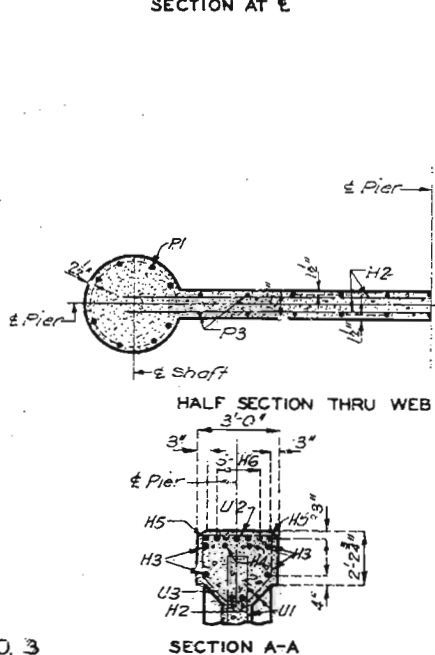
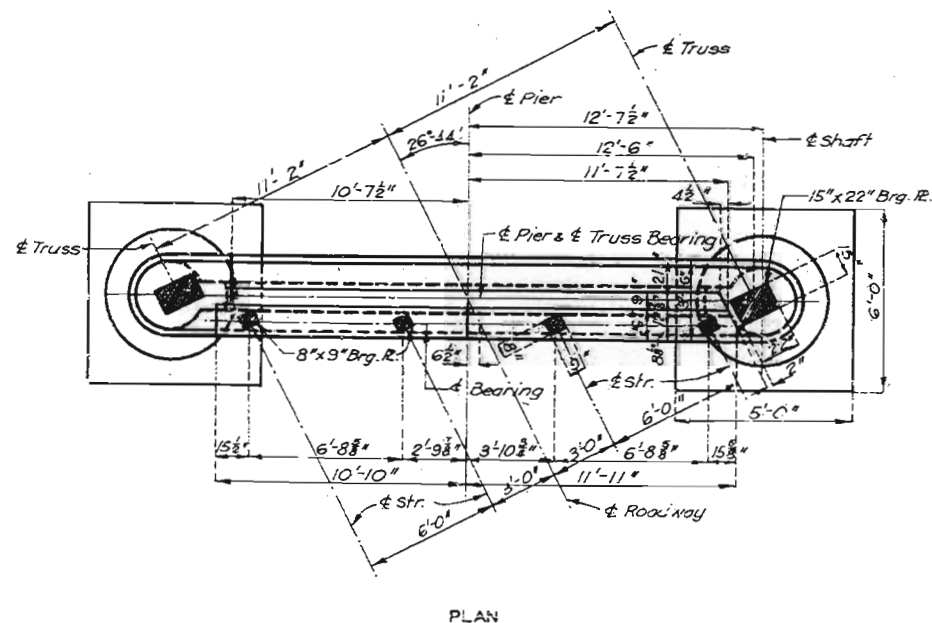
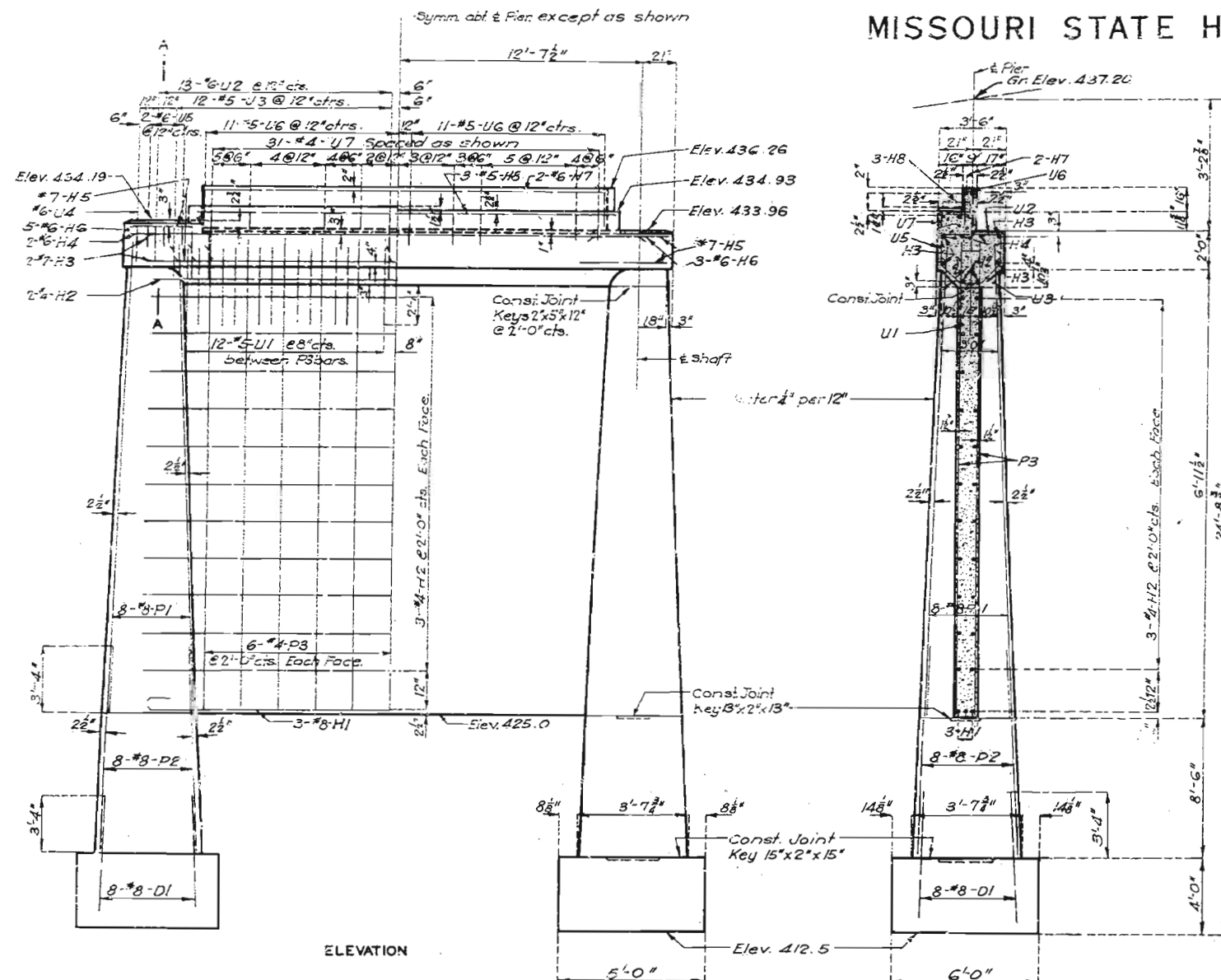
Sheet No. 2 of 7.

SEE FINAL PLANS - BROWN LINES

2 Col. End & 2 Col. Int. } 20' or 22' Rdwy.
Squara & Skewed } H10

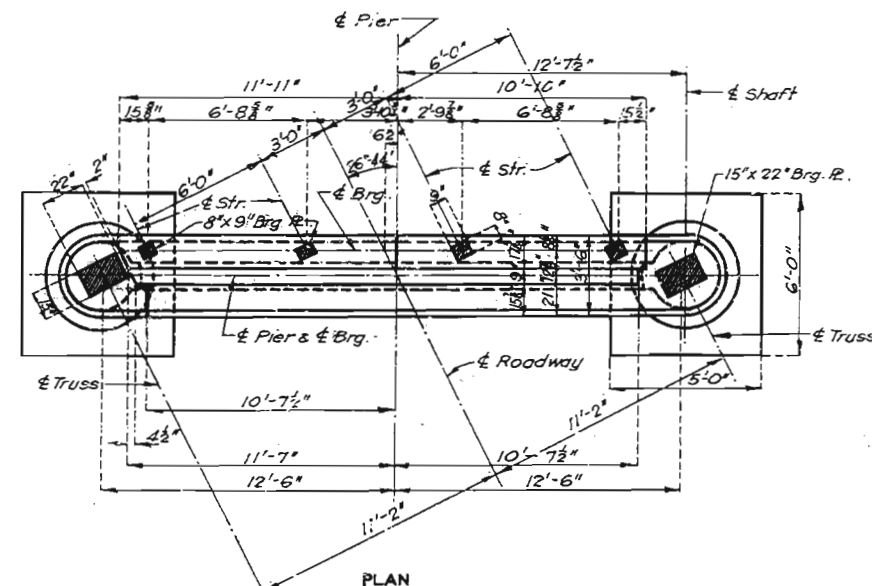
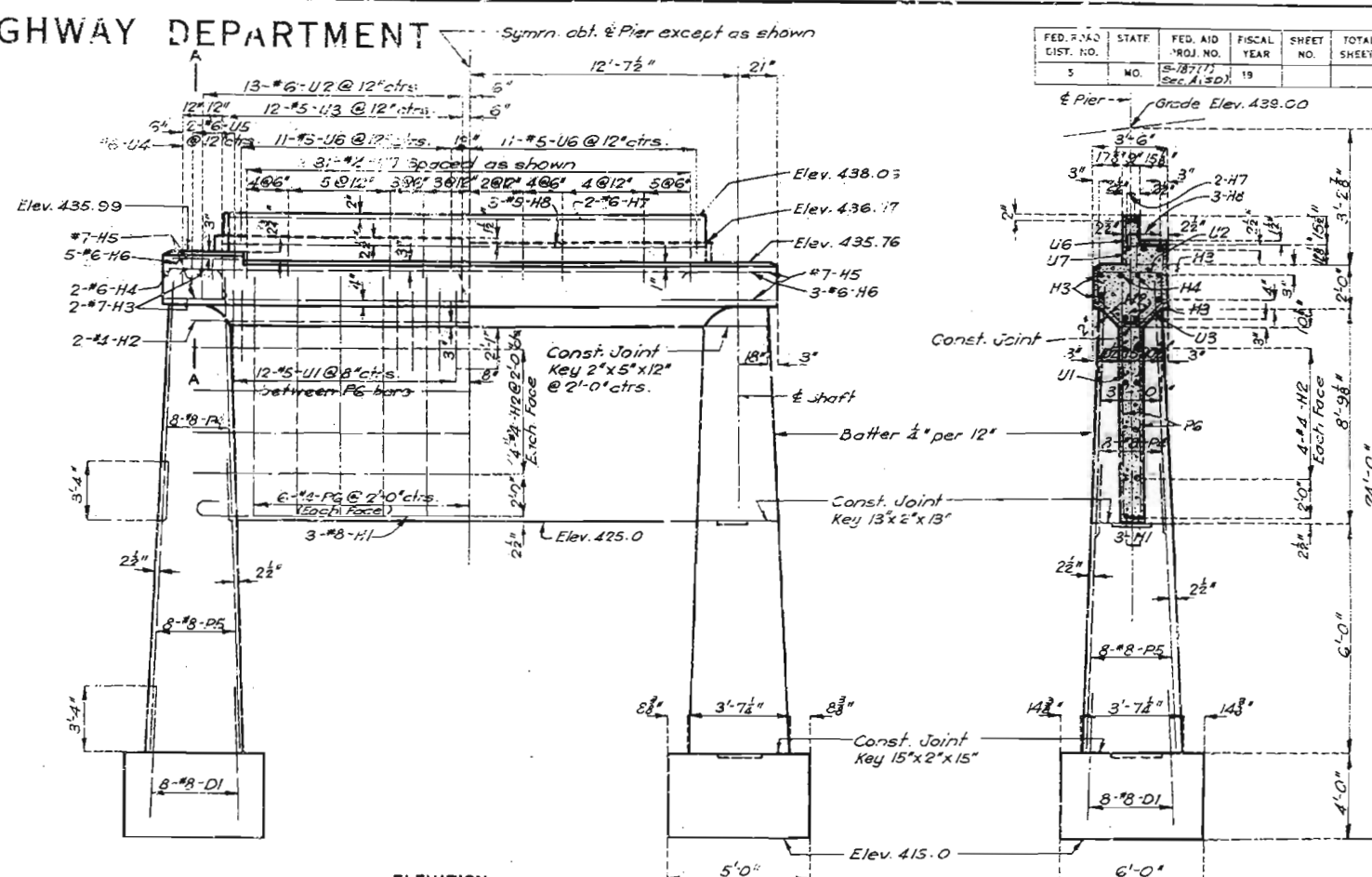
MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	5-187(1) Sec. A (SD)	19		

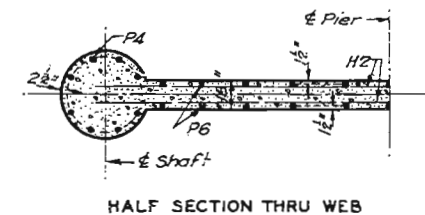


DETAILS OF PIER NO. 3

Note: This drawing is not to scale. Follow dimensions.



DETAILS OF PIER NO. 4



BRIDGE OVER BYRD CREEK

STATE ROAD FROM RT. SE AT OAK RIDGE SOUTH TO JACKSON
ABOUT 6.7 MILES NW. OF JACKSON
PROJECT NO. 5-187(1) SEC. A (SD) STA. 234+54

CAPE GIRARDEAU COUNTY

P-734

Assembled Oct. 1954 By H.V.K. & J.T.F.
Checked Oct. 1954 by C.S.A.

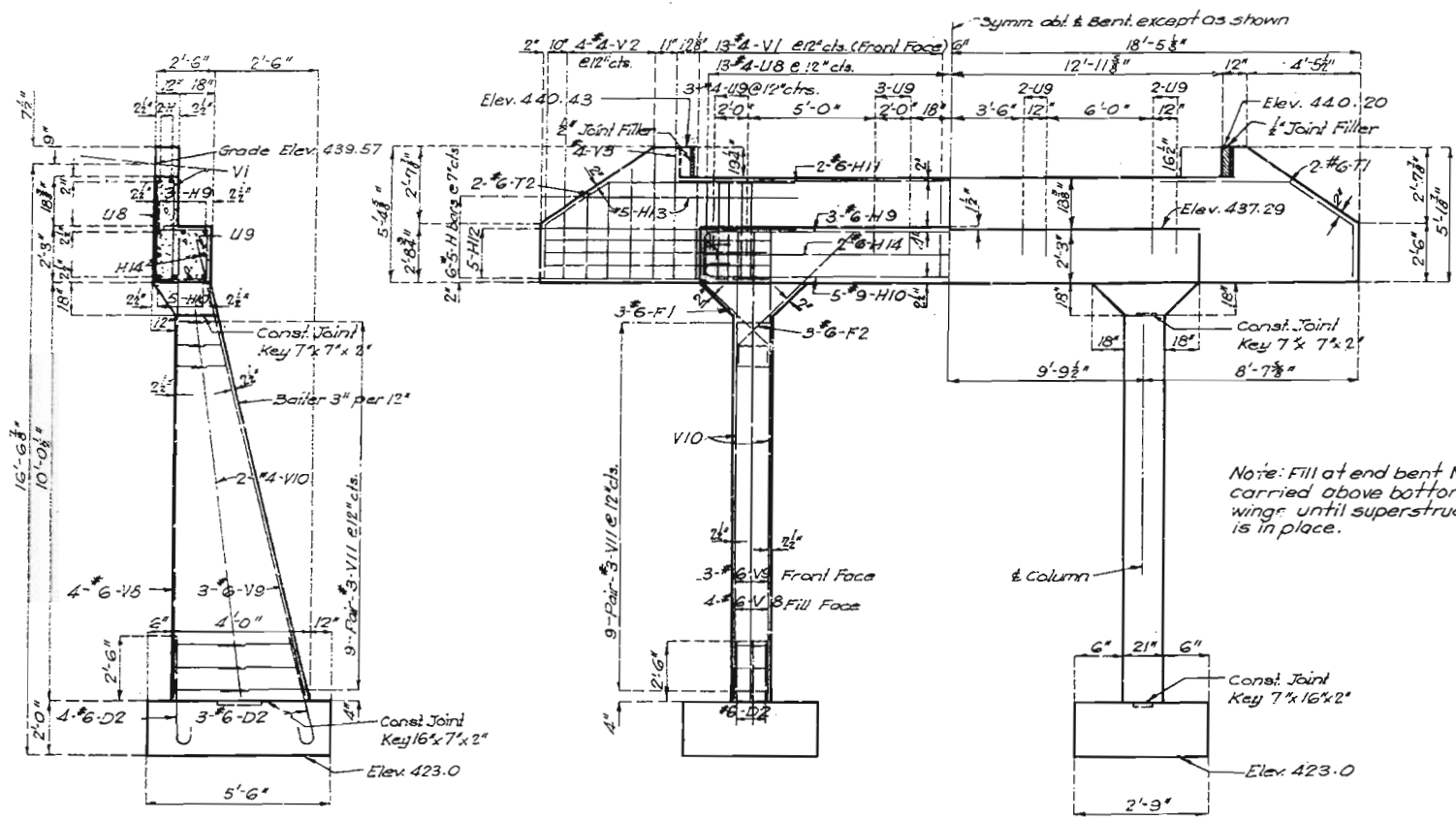
Sheet No. 3 of 7.

SEE FINAL PLANS BROWN-LINES

2-5-shaft Pier

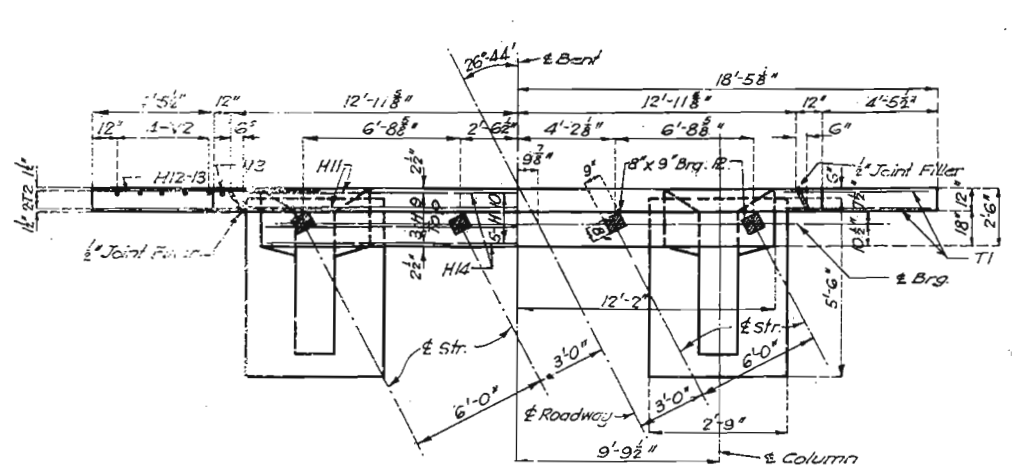
MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	S-187(11) Sec. A (SD)	19		



SECTION AT E

ELEVATION



PLAN

DETAILS OF END BENT NO. 5

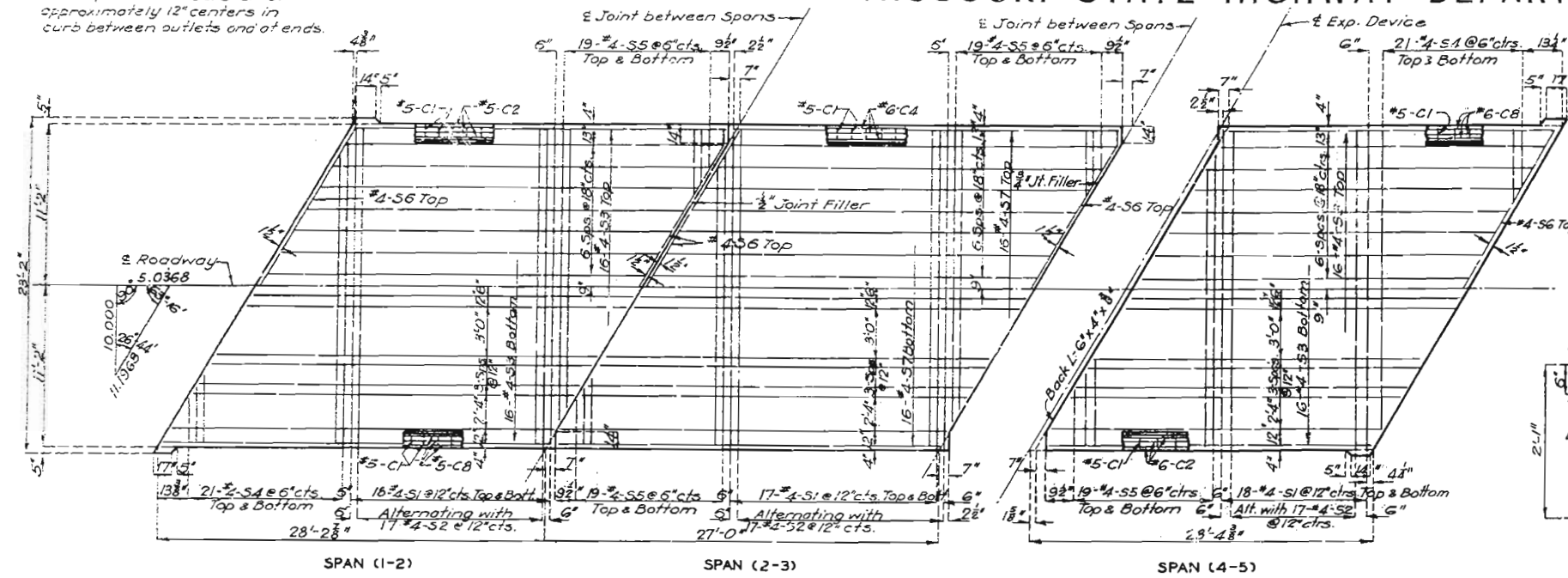
COMPLETE BILL OF REINFORCING STEEL												
No.	Size	Length	Mark	Location	Bending Sketches and Cutting Diagrams			No.	Size	Length	Mark	Location
End Bents No. 1 & 5								Piers No. 3 & 4				
28	#6	5'-3"	D2	Footings				32	#3	8'-0"	D1	Footings
12	#6	8'-0"	F1	Col. Hch.				6	#8	2'-7"	H1	Web
12	#6	7'-9"	F2	"				18	#4	25'-0"	H2	"
6	#6	26'-0"	H9	Beam				8	#7	25'-6"	H3	Cap
10	#9	26'-6"	H10	"				4	#6	28'-0"	H4	"
4	#6	26'-0"	H11	Backwall				8	#7	10'-6"	H5	"
20	#5	8'-3"	H12	Wing				16	#6	3'-0"	H6	"
4	#5	7'-3"	H13	"				4	#6	21'-6"	H7	Haunch
4	#6	24'-0"	H14	Beam				6	#5	22'-0"	H8	"
4	#6	10'-3"	T1	Wing				16	#8	8'-6"	P1	Col. Pier 3
4	#6	10'-9"	T2	"				16	#8	11'-9"	P2	"
50	#4	10'-6"	U8	Beam				22	#2	8'-3"	P3	Web Pier 3
20	#4	3'-3"	U9	"				16	#8	10'-6"	P4	Col. Pier 4
52	#4	3'-6"	V1	Backwall				16	#8	9'-3"	P5	"
8	#4	7'-6"	V2	Wing				22	#4	10'-3"	P6	Web "
4	#4	4'-9"	V3	"				48	#5	10'-0"	U1	Web "
6	#6	18'-6"	V4	Col. Bt. No. 1				52	#6	6'-6"	U2	Cap
8	#6	17'-6"	V5	"				48	#5	6'-6"	U3	"
28	#3	14'-6"	V6	"				4	#6	6'-0"	U4	"
8	#4	15'-6"	V7	"				8	#6	4'-3"	U5	"
8	#6	12'-0"	V8	"				44	#5	3'-9"	U6	Haunch
6	#6	12'-3"	V9	"				22	#4	4'-9"	U7	"
4	#4	10'-0"	V10	"				8	#2	19'-9"	W1	A.B. Wall
18	#3	10'-6"	V11	"								
Int Bent No. 2								Superstructure				
16	#6	6'-3"	D2	Footings				144	#5	2'-9"	C1	Curb
8	#6	7'-9"	F2	Col. Hch.				6	#5	27'-6"	C2	"
8	#6	7'-9"	F3	"				2	#6	12'-3"	C3	"
11	#6	25'-0"	G1	Beam				6	#6	26'-9"	C4	"
2	#6	23'-0"	G2	"				150	#4	15'	C5	"
16	#6	19'-0"	P7	Column				14	#6	11'-0"	C6	"
32	#3	11'-9"	P8	"				6	#5	28'-0"	C8	"
23	#4	9'-3"	U10	Beam				106	#4	22'-0"	S1	Slab
12	#4	3'-3"	U9	"				51	#4	24'-0"	S2	"
Int Bent No. 2								Superstructure				
16	#6	6'-3"	D2	Footings				64	#4	28'-0"	S3	"
8	#6	7'-9"	F2	Col. Hch.				42	#4	26'-6"	S4	"
8	#6	7'-9"	F3	"				76	#4	25'-6"	S5	"
11	#6	25'-0"	G1	Beam				5	#4	24'-9"	S6	"
2	#6	23'-0"	G2	"				32	#4	26'-9"	S7	"
16	#6	19'-0"	P7	Column				50	#5	36'-9"	S8	"
32	#3	11'-9"	P8	"				44	#5	36'-9"	S9	"
23	#4	9'-3"	U10	Beam				112	#5	24'-6"	S10	"
12	#4	3'-3"	U9	"				34	#5	48'-3"	S11	"
Int Bent No. 2								Superstructure				
16	#6	6'-3"	D2	Footings				1	#4	23'-3"	S12	"
8	#6	7'-9"	F2	Col. Hch.				8	#5	22'-3"	S13	"
8	#6	7'-9"	F3	"				117	#5	20'-9"	S14	"
11	#6	25'-0"	G1	Beam				7	#5	22'-3"	S15	"
2	#6	23'-0"	G2	"								
16	#6	19'-0"	P7	Column								
32	#3	11'-9"	P8	"								
23	#4	9'-3"	U10	Beam								
12	#4	3'-3"	U9	"								

BRIDGE OVER BYRD CREEK
STATE ROAD FROM RT. SE AT OAK RIDGE SOUTH TO JACKSON
ABOUT 6.7 MILES NW. OF JACKSON
PROJECT NO. S-187(11) SEC. A (SD) STA. 234+54
CAPE GIRARDEAU COUNTY

MISSOURI STATE HIGHWAY DEPARTMENT

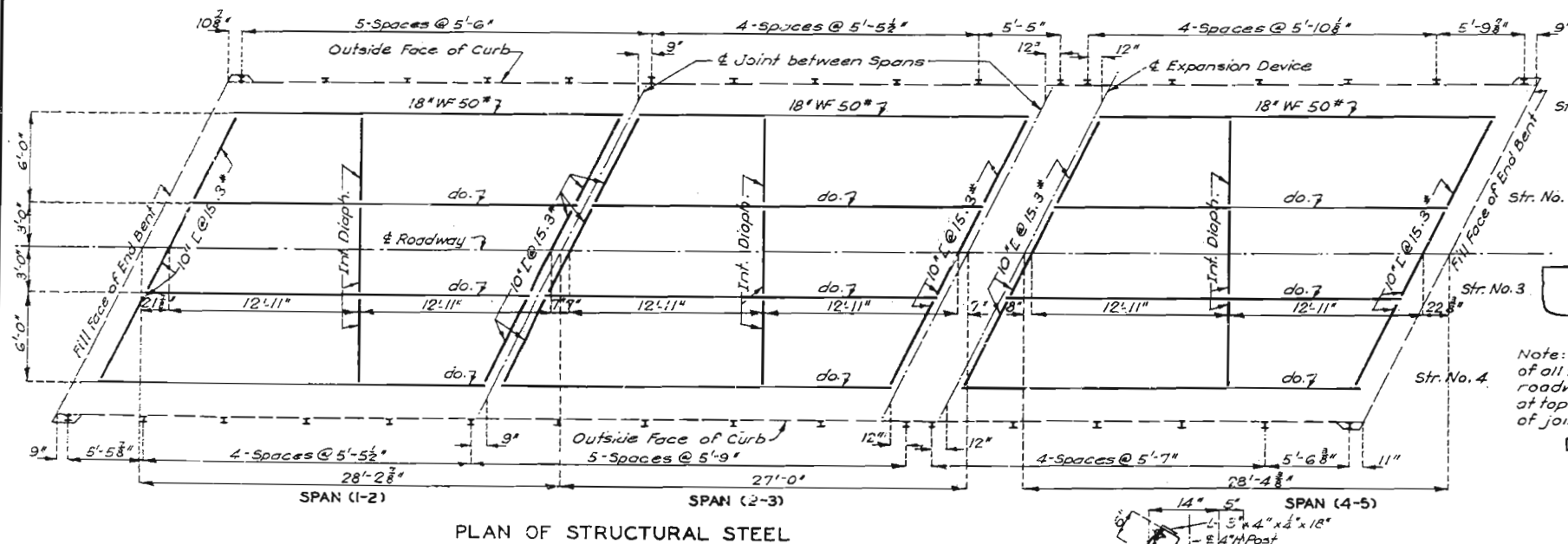
Note: Space dowel bars C1 at approximately 12" centers in curb between outlets and at ends.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	5-187(1) Sec. A (SD)	19		

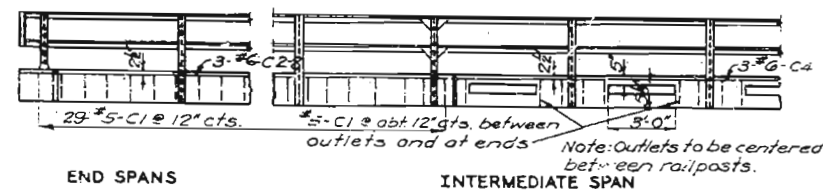


PLAN OF SLAB SHOWING REINFORCEMENT

Note: Longitudinal dimensions shown are along profile grade.

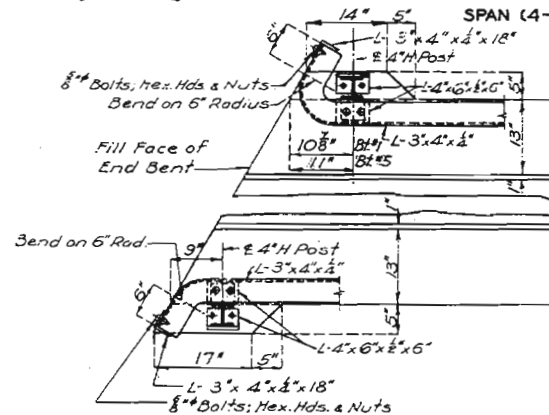


PLAN OF STRUCTURAL STEEL

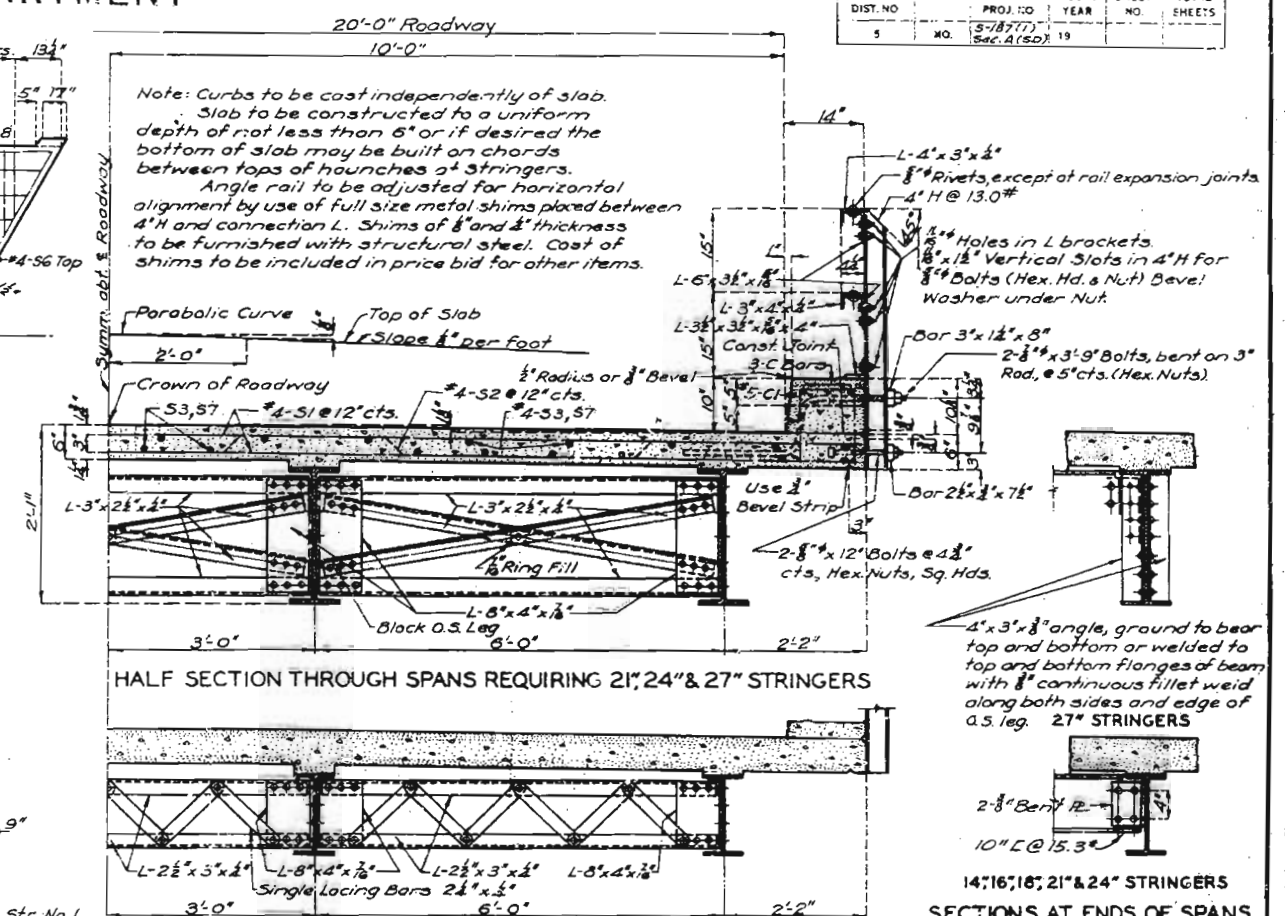


TYPICAL CURB DETAILS

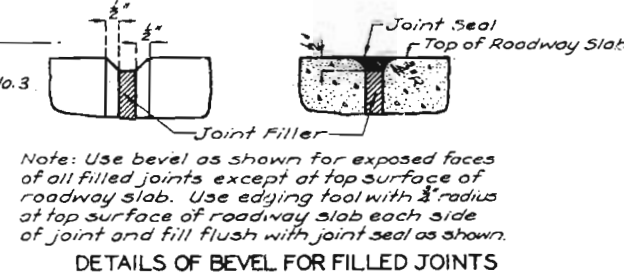
Note: Top of curbs under end posts shall be finished to a smooth surface parallel to grade. Not less than one nor more than four soft lead plates be used under angles of each end rail post for aligning rail to correct elevation. Plates shall be 8" x 6" and shall be punched 3/8" on same gauge as the angles. No grouting permitted. Cost of lead plates to be included in price bid for other items.



LOCATION OF POSTS AT END BENTS

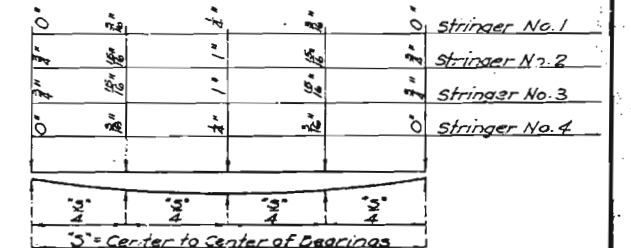


HALF SECTION THROUGH SPANS REQUIRING 14", 16" & 18" STRINGERS



Note: Use bevel as shown for exposed faces of all filled joints except at top surface of roadway slab. Use edging tool with 3/8" radius at top surface of roadway slab each side of joint and fill flush with joint seal as shown.

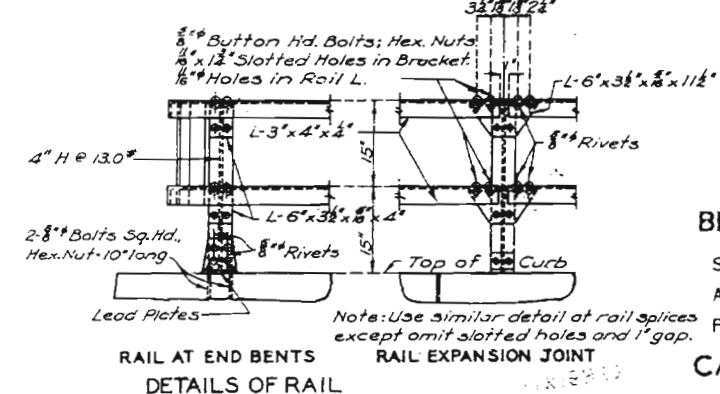
DETAILS OF BEVEL FOR FILLED JOINTS



SLAB HAUNCHING DIAGRAM - I-BME SPANS

BRIDGE OVER BYRD CREEK

STATE ROAD FROM RT. SE AT OAK RIDGE SOUTH TO JACKSON ABOUT 6.7 MILES NW. OF JACKSON
PROJECT NO. 5-187(1) SEC. A (SD) STA. 234+54
CAPE GIRARDEAU COUNTY



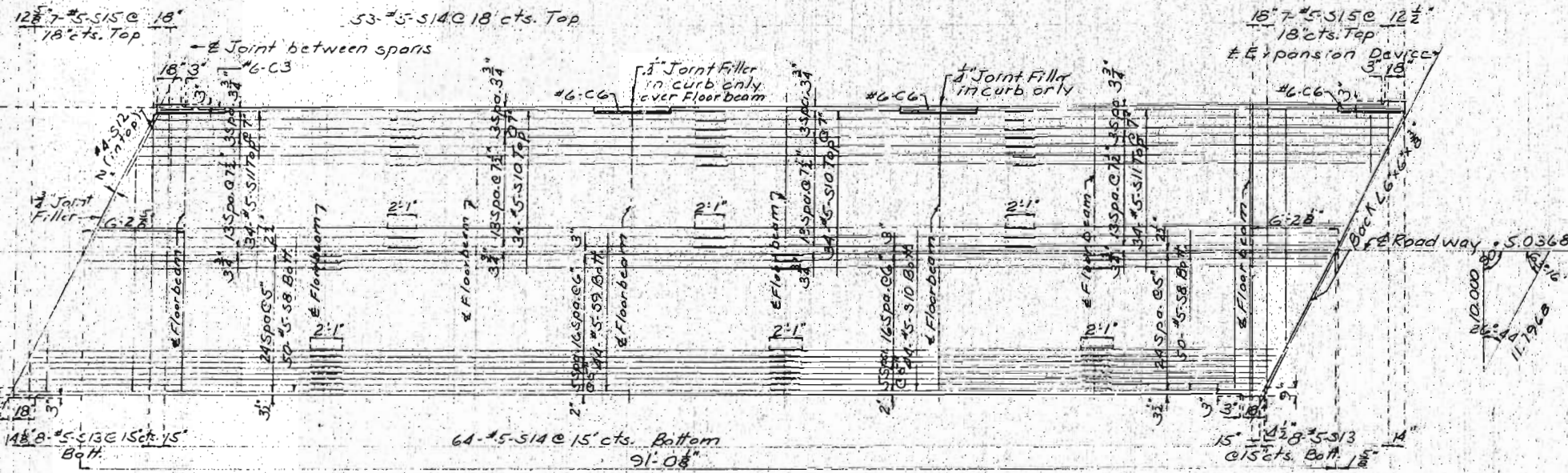
RAIL AT END BENTS

Note: Use similar detail at rail splices except omit slotted holes and 1" gap.

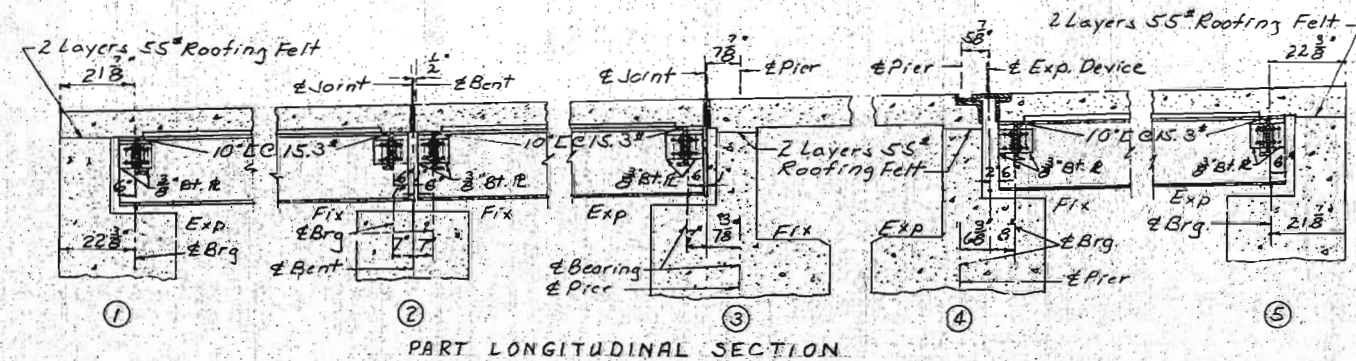
RAIL EXPANSION JOINT

MISSOURI STATE HIGHWAY DEPARTMENT

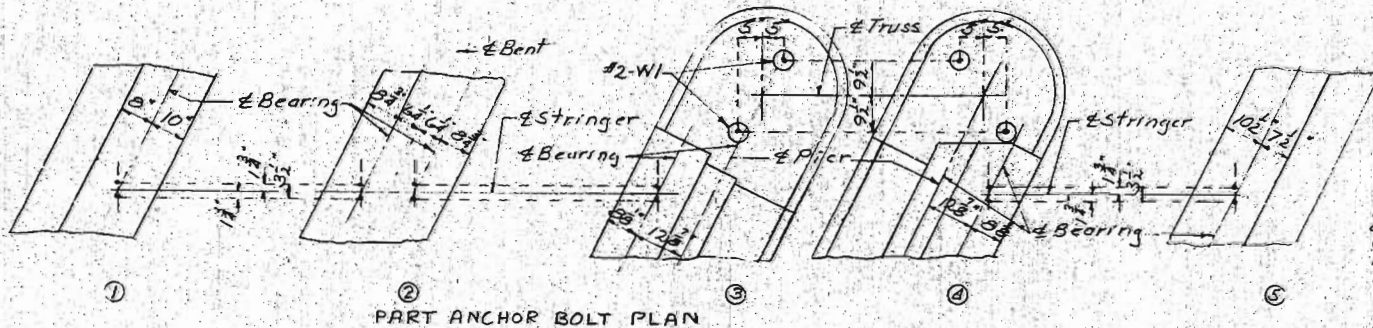
Note: Space dowel bars CS at about 12' cts. in curbs between outlets and at ends.



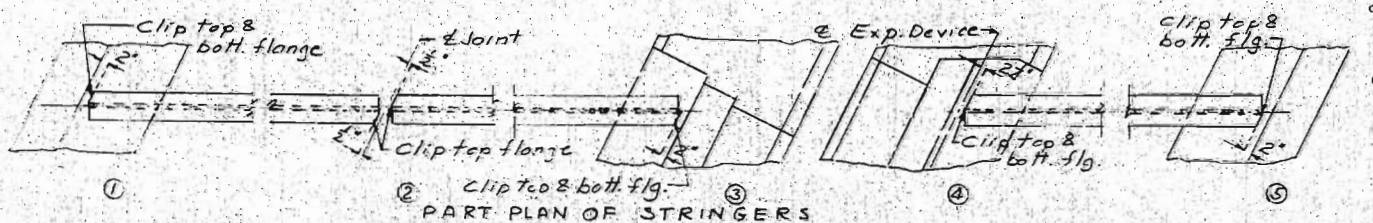
PLAN OF SLAB SHOWING REINFORCEMENT SPAN (3-4)
Note: Longitudinal dimensions shown are along profile grade.



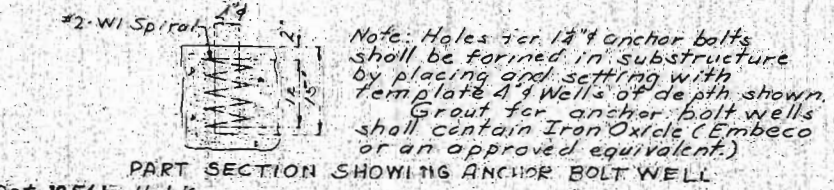
PART LONGITUDINAL SECTION



PART ANCHOR BOLT PLAN

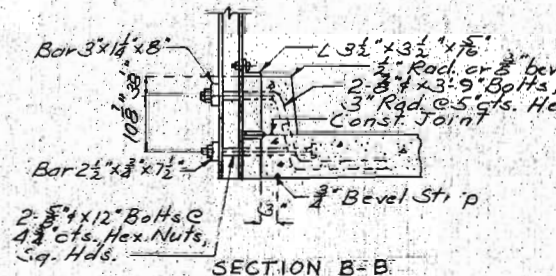


PART PLAN OF STRINGERS

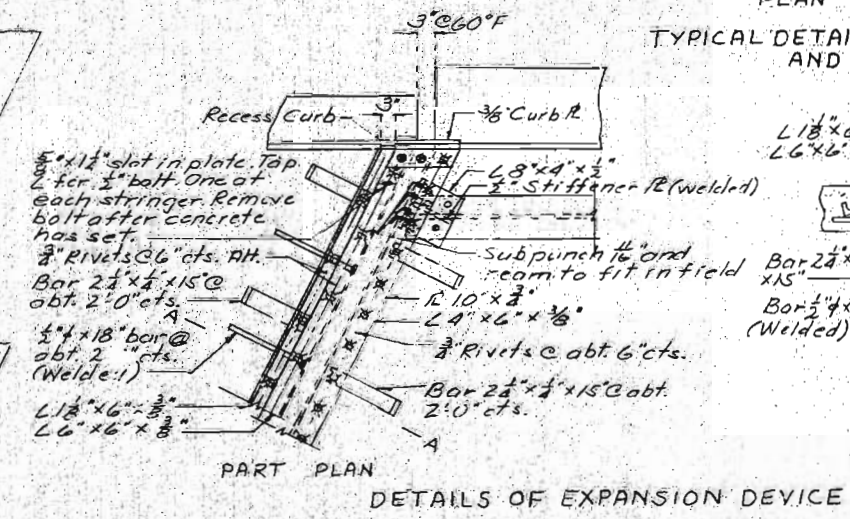


Note: Holes for 1/2" anchor bolts shall be formed in substructure by placing and setting with template and wells of depth shown. Grout for anchor bolt wells shall contain Iron Oxide (Embeco or an approved equivalent).

PART SECTION SHOWING ANCHOR BOLT WELL



SECTION B-B

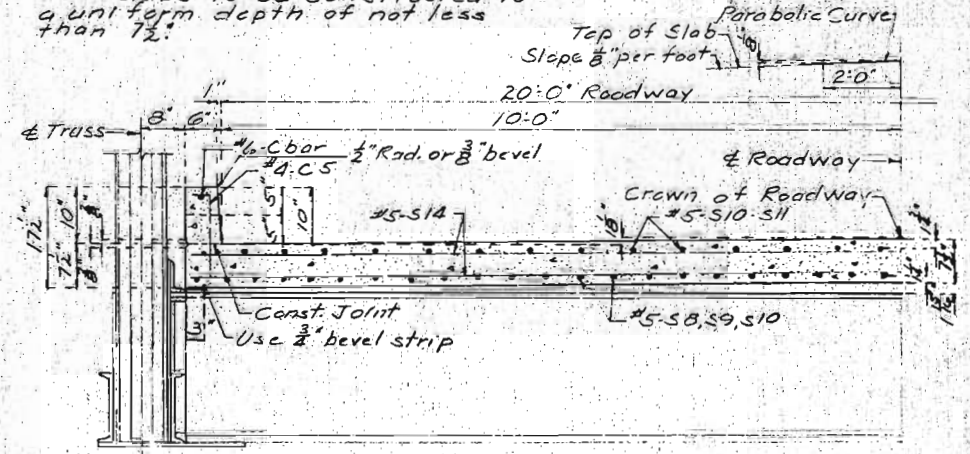


DETAILS OF EXPANSION DEVICE

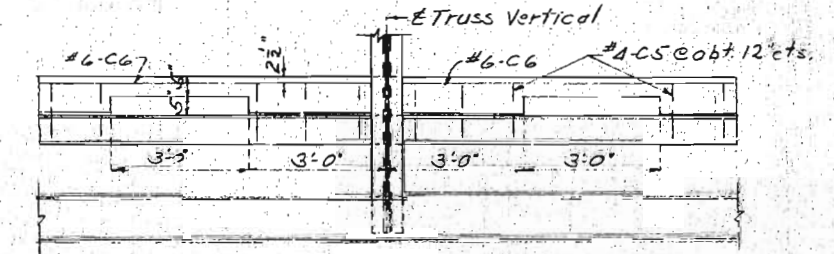
Note: Expansion device to be bent to conform to crown of roadway and shall be built in one section.

Note: Curbs to be cast independently of slab.
Slabs to be constructed to a uniform depth of not less than 12".

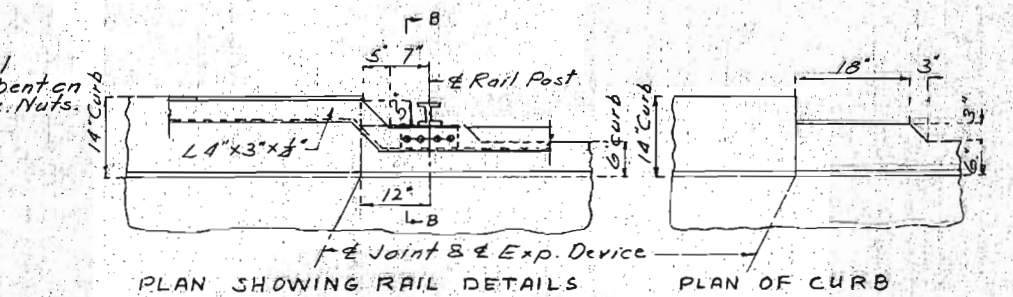
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	5-187(1) SEC. A(SD)	19		



HALF SECTION THRU SPAN (3-4)

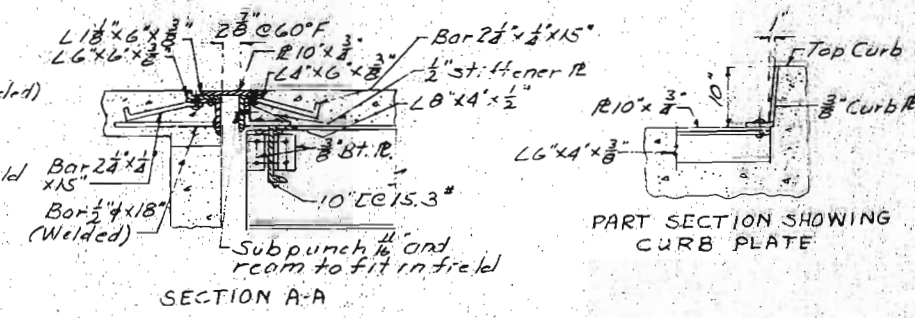


TYPICAL CURB DETAILS



PLAN SHOWING RAIL DETAILS

PLAN OF CURB



SECTION A-A

BRIDGE OVER BYRD CREEK

STATE ROAD FROM RTE. SE AT OAKRIDGE SOUTH TO JACKSON ABOUT 6.7 MILES. N.W. OF JACKSON
PROJECT NO. 5-187(1) SEC. A(SD) STA. 234+54

CAPE GIRARDEAU COUNTY

FINISHED

FINISHED

P-734

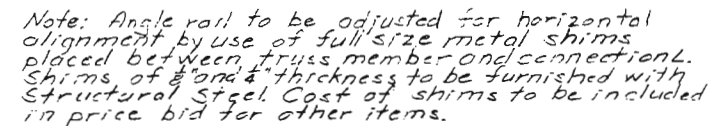
Drawn Oct. 1954 by H.J.R.
Checked Oct. 1954 by C.S.A.

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 6 of 7.

NO CONSTRUCTION CHANGES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	S-137(1) S-6.97(50)	19		



The drawing consists of three main parts:

- Left View (Side Elevation):** Shows the cross-section of the bridge deck. It includes labels for "Plug weld old holes", "L3'x6'x4" (likely a steel plate), "L6'x3 1/2' x 7/16' x 15" (likely a steel plate), and "Top of Curb". Dimensions of 15" are indicated for the vertical spacing of the plates.
- Middle View (Top View):** Shows the plan view of the bridge deck. It includes labels for "5 rivets", "2' 10' 24" (likely a dimension), "1' gap", and "L6'x3 1/2' x 7/16' x 10 1/2" (likely a steel plate). A dimension of 4' is indicated for the width of the deck.
- Right View (Detail of Batter Post Connection):** Shows a detail of the connection between the deck and a batter post. It includes labels for "Cope rail L of batter post", "105°", "12°", and "L6'x3 1/2' x 7/16' x 10 1/2" (likely a steel plate). Dimensions of 15" and 10" are indicated for the vertical spacing of the plates.

[illegible]

Note: Finish all surfaces marked "F"
Anchor bolts are to be 1 1/2" x
swaged bolts, Hex. Nuts, no Hds., and
shall extend 12" into concrete.

Note: All bearing plates shall be straightened to plane surfaces.
Anchor bolts are to be 1" 4 swaged bolts, richds Hex.Nuts, and are to extend 10" into concrete.

TRUSS SPAN

Note: Lead plates under bearings shall be approximately 1" thickness and weigh 8#/Sq. Ft. Cost of lead plates shall be included in price bid for other items.

DETAILS OF BEARING PLATES

Sheet No. 7 of 7.

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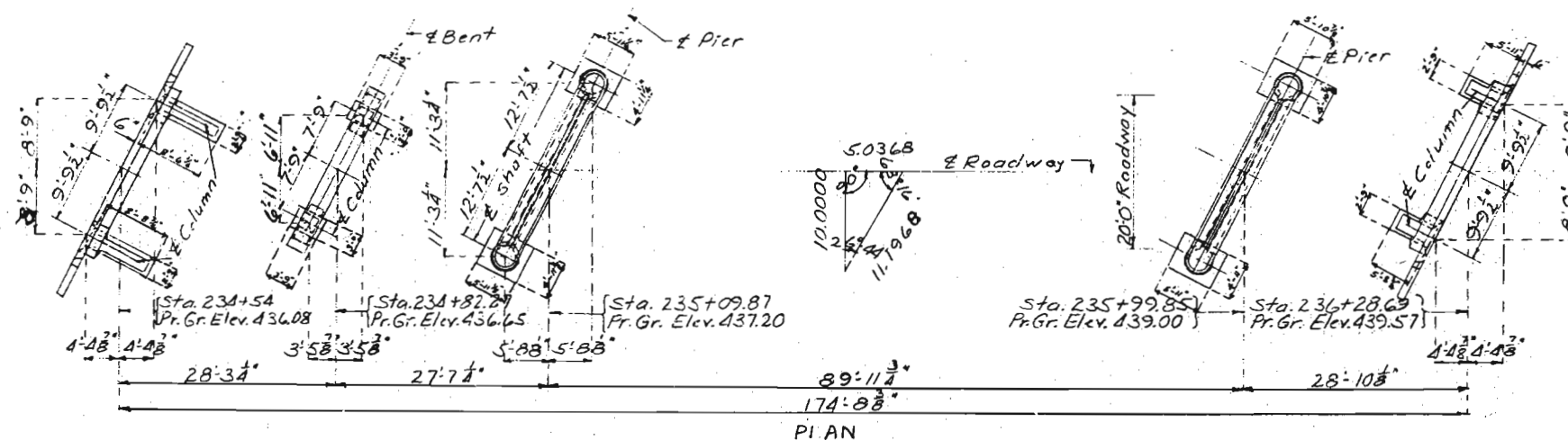
NO CONSTRUCTION CHANGES

FED. ROAD D'ST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	5-78171 SEC A5B	19	40	51

A hand-drawn technical sketch of a bridge's general elevation. The bridge features a central truss span supported by four piers labeled 1, 2, 3, and 4. Pier 1 is on the left, followed by pier 2, then pier 3, and finally pier 4 on the right. Each pier has two vertical columns. Above the piers, the bridge deck is shown with rail tracks and overhead power lines. Key annotations include:
 - At the top center: "±2.0% Grade"
 - Below that: "Use 90' Truss Span from Bridge #G-865, Rt. 61, Scott Co. See Special Provisions."
 - On the far left: "27'-I-Bm" above the first pier.
 - Between piers 2 and 3: "27'-I-Bm."
 - On the far right: "27'-I-Bm."
 - Near pier 1: "Pt. Gr. Elev. 432.08", "2'-0" Rock Blanket", "Exp.", "Fix", "2'-0" Rock Blanket", "12:1 Slope (Normal to Bent)", "Elev. (Lt.-415.26) Rl.-414.70".
 - Between piers 2 and 3: "Rail Exp.", "Rail Exp.", "Design H.W. Elev. 430.0 (1953)".
 - Below the bridge: "Streambed Elev. 415.5".
 - Near pier 3: "Rock", "Elev. (Ls. 414.00 Rt. 414.30)".
 - Near pier 4: "Exp.", "Fix", "Finished Ground Line", "2:1 Slope (Normal to Bent)", "Elev. (Lt.-421.35) Rl.-422.08", "Rock", "Elev. (Lt.-417.23) Rl.-417.00".
 - A circled number 5 is near the end of the bridge on the right.

Hand-drawn cross-section diagram of a dam structure. The diagram shows a central core of 'Fill' flanked by '2'-0" Rock Blanket' on both sides. The top surface is a '12:1 Slope'. On the right side, there is an 'End Bent' structure with a '12:1 Slope' and a '2'-0" Rock Blanket' at its base. The 'H.W. Elev. 430.07' is marked on the right slope. The 'Ground Line' is indicated at the bottom. The diagram is labeled 'FRONT OF END BENT NO. 1' on the left and 'SIDESLOPES OF FILL' on the right.

SEE ROCK BLANKET SKETCH SHEET NO. 38



GENERAL NOTES:

Design Specifications: A.R.S.H.O. 1953

Loading: H10-44.

Structural Steel Stress 18,000 #/a.

Reinforcing Steel Stress 18,000 #/a.

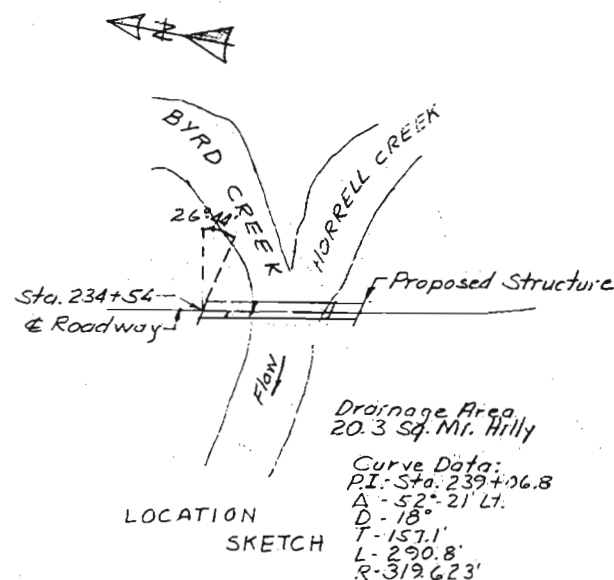
Concrete Class "E" Stress 1000 #/a.

All concrete shall be Class "B."

Rivets $\frac{3}{4}$ " holes $\frac{1}{2}$ " except in handrail, where rivets shall be $\frac{3}{4}$ " holes $\frac{1}{2}$ ". Field connections shall be riveted or, if the Contractor desires, he may use high tensile steel bolts with carbonized washers for truss and expansion device connections and American Standard Regular machine bolts for I-Beam Span connections in place of rivets except for connections noted in handrail and truss bearings. See Special Provisions.

Paints: Shop, none; Field, contact surfaces of bolted field connections, except where high tensile bolts are used, one coat of red lead and surfaces inaccessible after erection three coats of red lead. No other paint to be applied by Contractor. Red lead required shall be furnished by Contractor. Payment for cleaning and painting such surfaces will be included in unit price bid for Fabricated Structural Steel.

Where joint filler is specified on the plans it shall conform with the requirements for Premixed Material for Filler as given in Section 38-19A(1)h of the Standard Specifications.



FINAL QUANTITIES			
Item	Substr.	Superstr.	Total
Class 1 Excavation for Structures Cu. Yds.	183.0		183.0
Class 2 Excavation for Structures Cu. Yds.	33.5		33.5
Fabricated Structural Steel (Old) Lbs.		66,560	66,560
Fabricated Structural Steel (New) Lbs.		31,030	31,030
Class "B" Concrete Cu. Yds.	118.7		206.8
Reinforcing Steel Lbs.	11,650	18,600	30,250
Class 1 Excavation below Final Elevation Cu. Yds.	5		5
Corrective Bearing Piles to 1 ft. Below Surface			

Note: Excavation for bridge made above Elev. 417.0 was paid for as Class 1 Excavation for Structures.
Excavation for bridge made below Elev. 417.0 was paid for as Class 2 Excavation for Structures.
See Special Provisions regarding (old) and (new) Fabricated Structural Steel.

BM #18 Elev. 436.72 \square ON N.W. Cor. W. wing wall of Bridge
Sta. 234+54

STATE ROAD FROM RTE. SE AT OAKRIDGE SOUTH TO JACKSON
ABOUT 6.7 MILES N.W. OF JACKSON
PROJECT NO. S-1870 SEC. A(SD) STA. 234+54

CAPE GIRARDEAU COUNTY

SUBMITTED BY J. A. Williams DATE 11/4/1954
APPROVED BY Rep. M. Whitten DATE 11/4/1954
FINISHED

FINISHED
STDC-110F3
P-734

Drawn Oct. 1954 by H. J. i. t.
Checked Oct. 1954 by C. S. A.

Note: This drawing is not to scale. Follow dimensions.

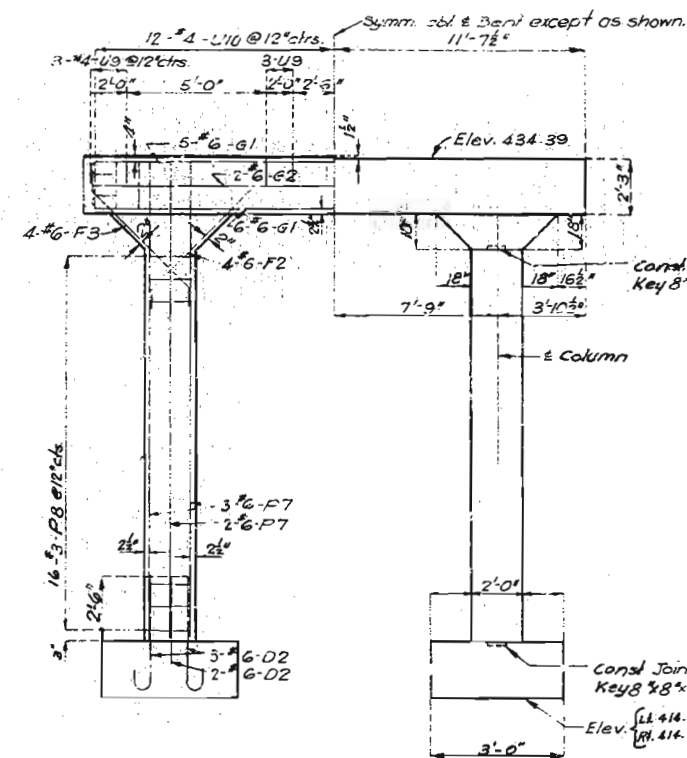
Sheet No. 1A of 4.

FINAL PLANS

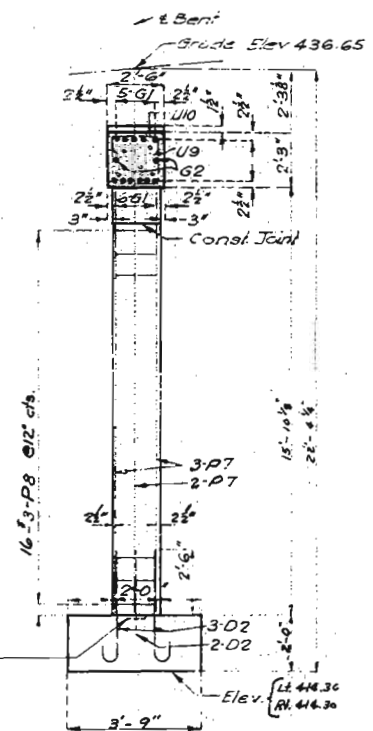
FED ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MC	5-187(1) Sec. A (SD)	19	41	2

[illegible]

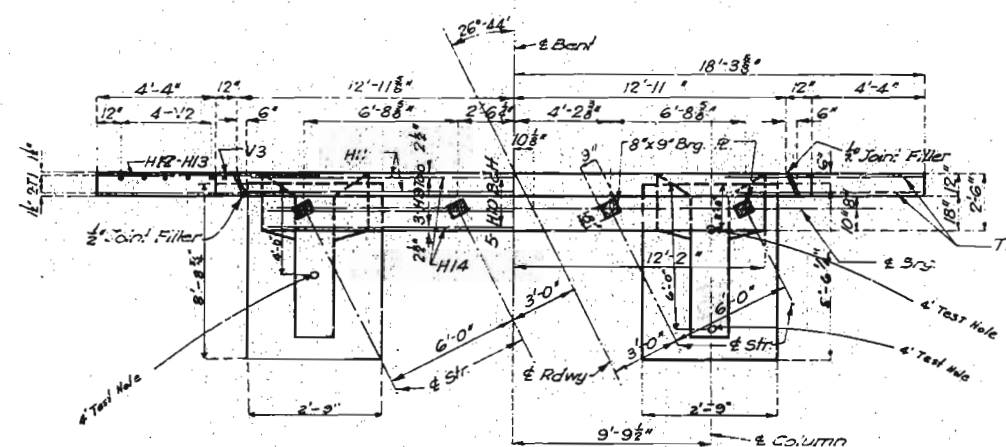
ELEVATION



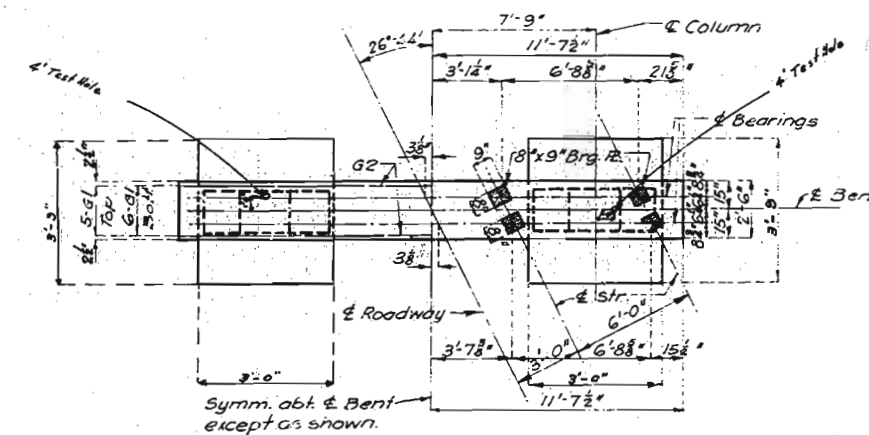
ELEVATION:



SECTION AT E



DETAILS OF END BENT NO. 1



PLÀN

DETAILS OF INT. BENT NO. 2

BRIDGE OVER BYRD CREEK

STATE ROAD FROM RT. SE AT OAK RIDGE SOUTH TO JACKSON
ABOUT 6.7 MILES NW OF JACKSON
PROJECT NO. S-187(1) SEC. A (SD) STA. 234+54

CAPE GIRARDEAU COUNTY

FINISHED

FINISHED

P-734

Assembled Oct. 1954 By H. J. K. & J. T. F.
Checked Oct. 1954 by C. I. A.

Note: This drawing is not to scale. Follow dimensions.

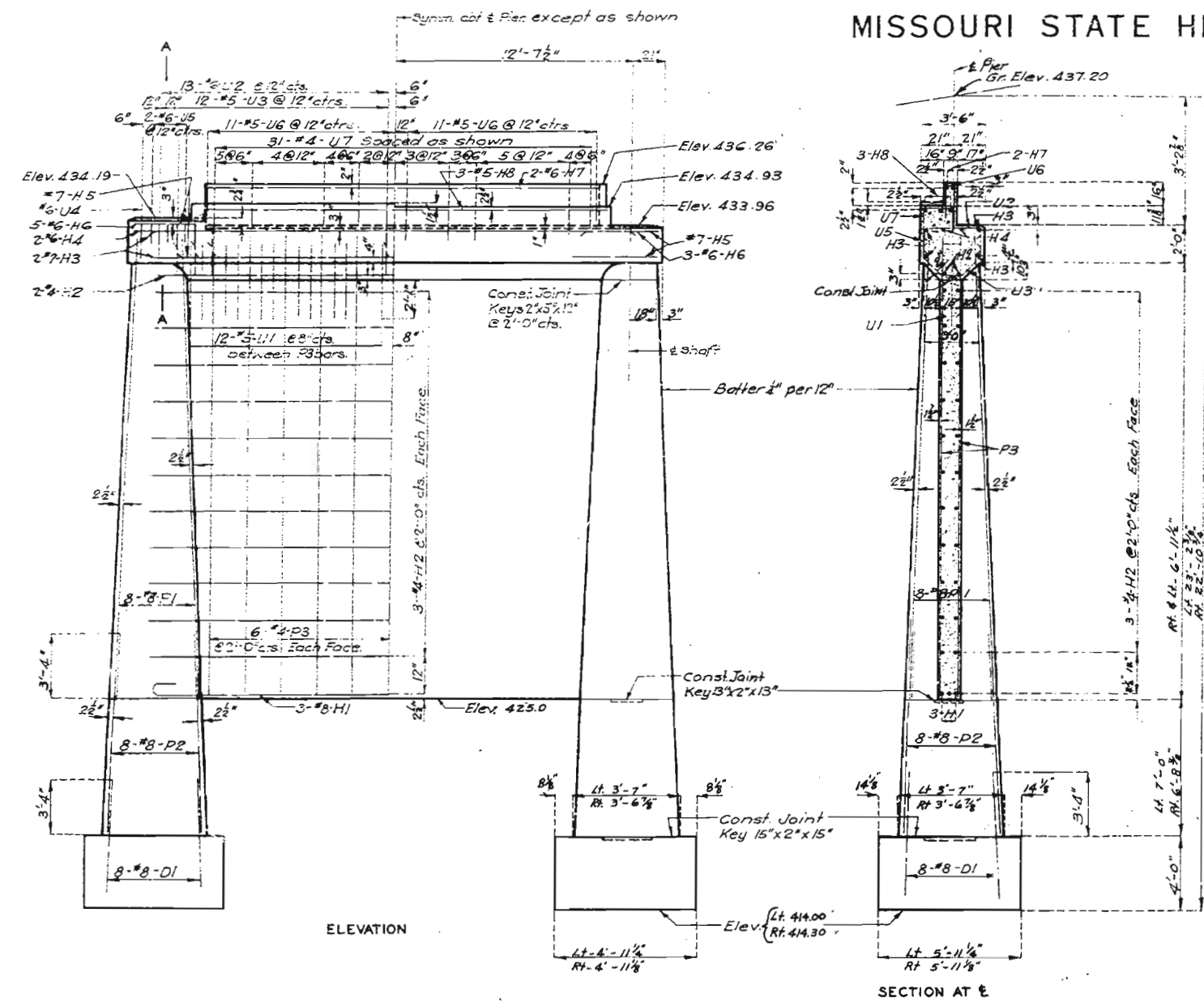
Sheet No 2 A of 4

FINAL PLANS

2 Col. End & 2 Col. Int. } 20' or 22' Rdwy.
Square & Skewed } H/O

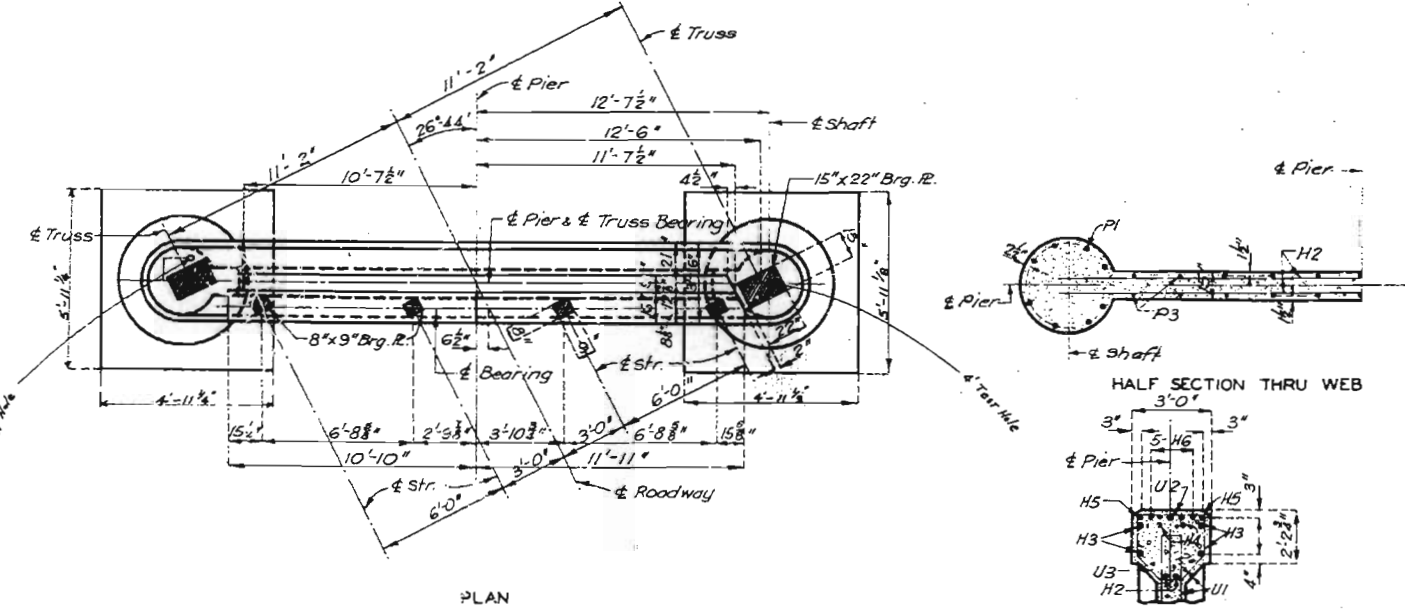
MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO	5-187(1)	1954	42	42



ELEVATION

SECTION AT E

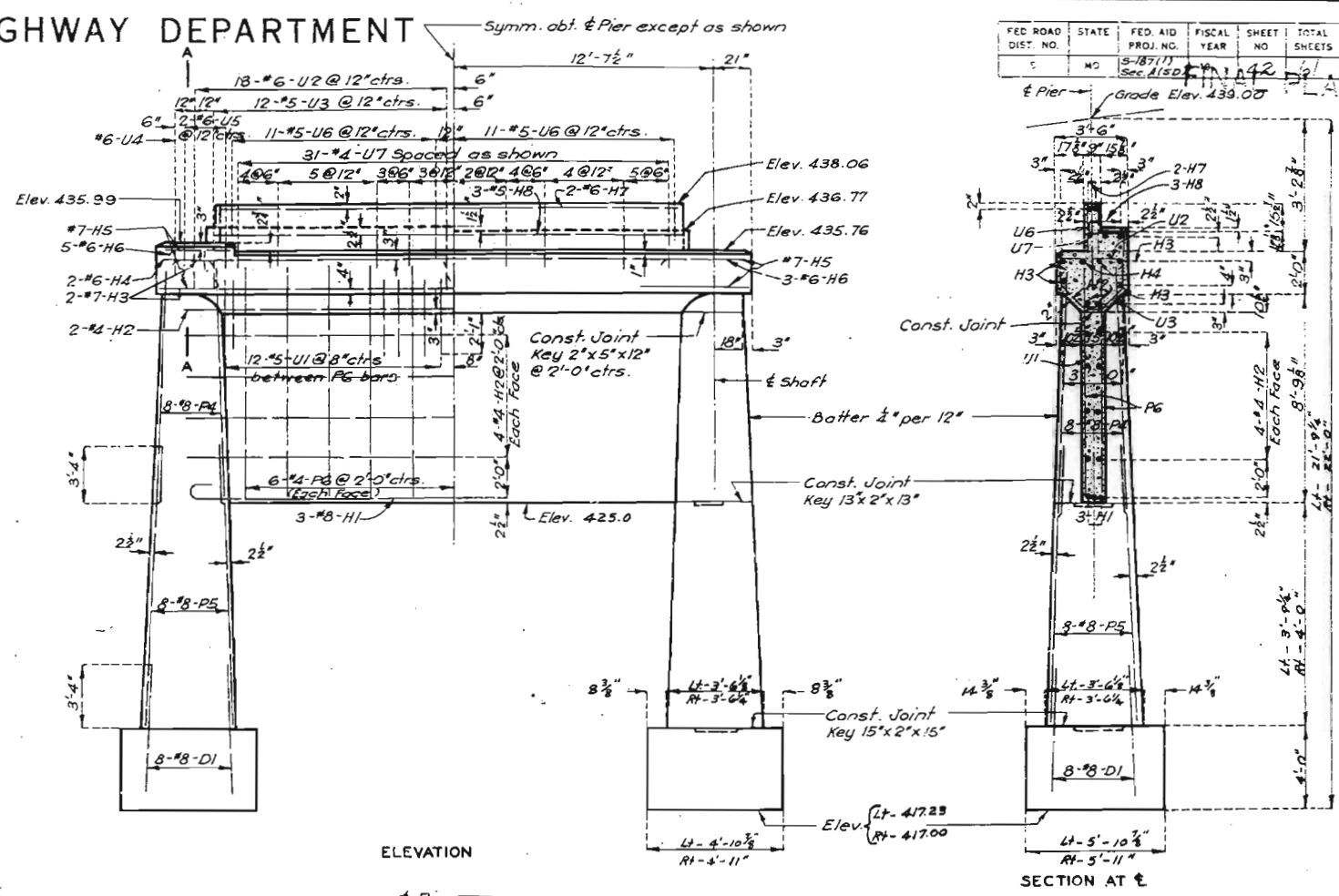


PLAN

DETAILS OF PIER NO. 3

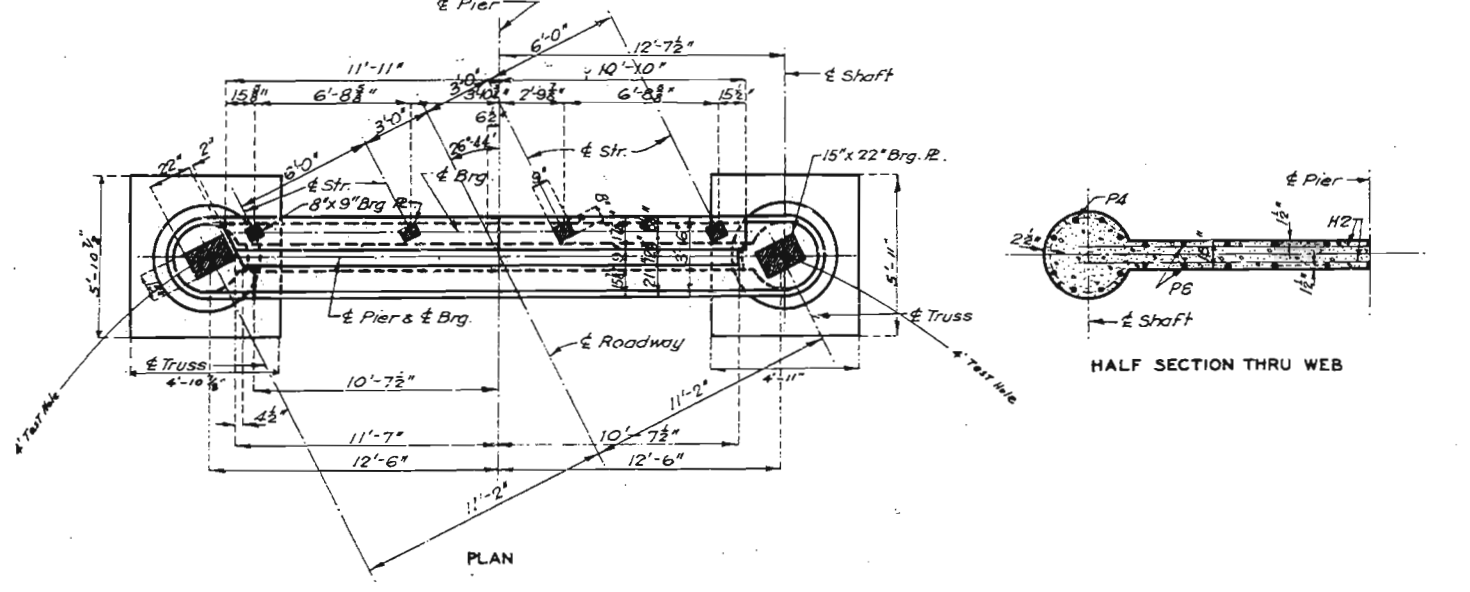
SECTION A-A

Note: This drawing is not to scale. Follow dimensions.



ELEVATION

SECTION AT E



PLAN

HALF SECTION THRU WEB

DETAILS OF PIER NO. 4

BRIDGE OVER BYRD CREEK

STATE ROAD FROM RT. SE AT OAK RIDGE SOUTH TO JACKSON
ABOUT 6.7 MILES NW. OF JACKSON
PROJECT NO. 5-187(1) SEC. A (SD) STA. 234+54

CAPE GIRARDEAU COUNTY

P-734

Assembled Oct. 1954 by H.J.K. & J.T.F.
Checked Oct. 1954 by C.S.A.

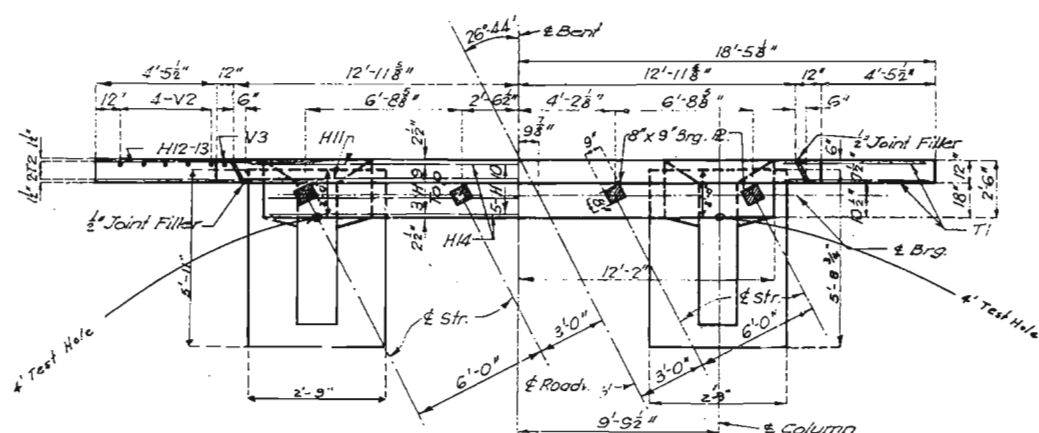
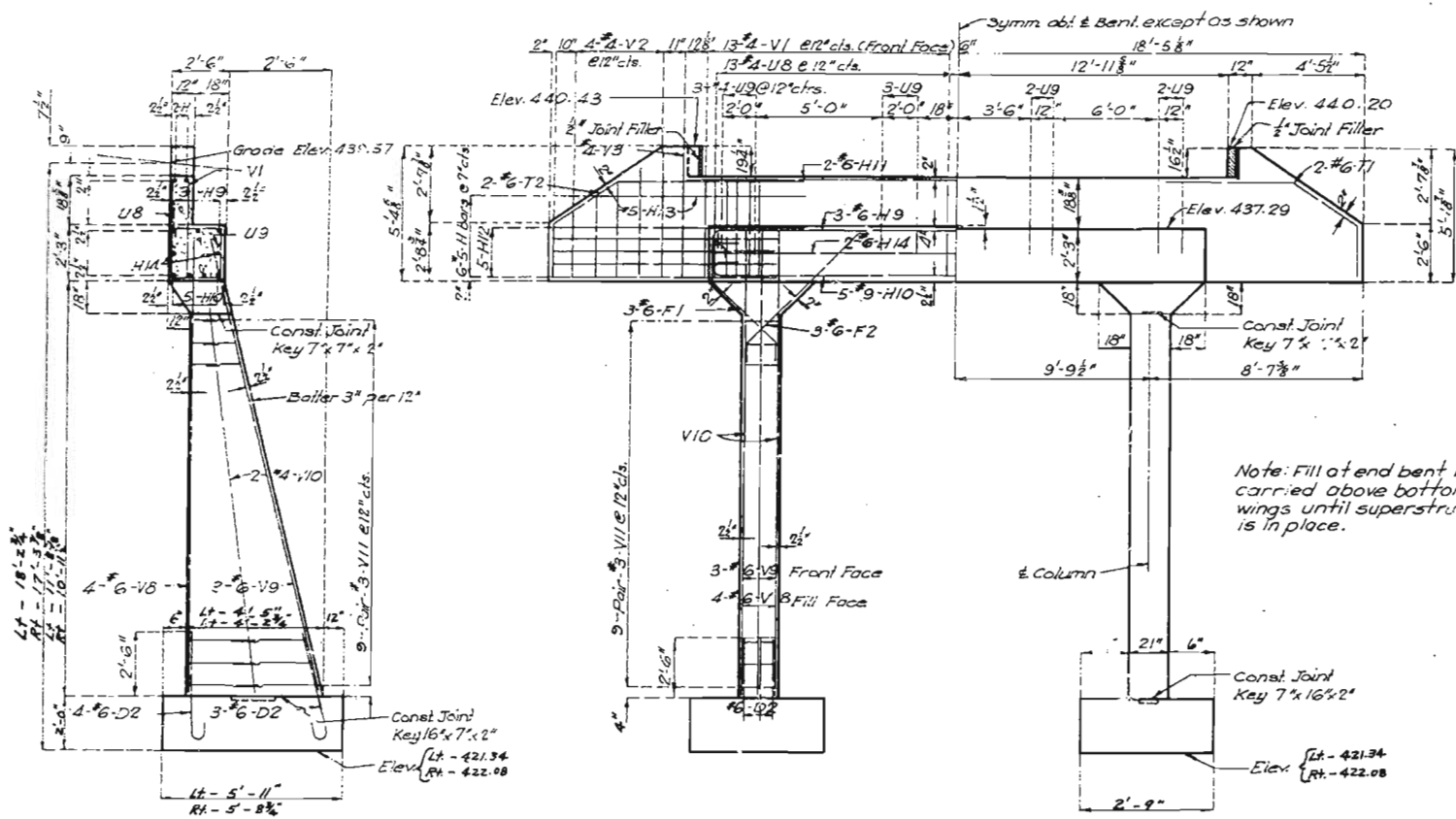
FINAL PLANS

2-3/4\"/>

MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	5-187(1) Sec. A (S.D.)	19	43	41

FINAL PLANS



COMPLETE BILL OF REINFORCING STEEL												
No.	Size	Length	Mark	Location	Bending Sketches and Cutting Diagrams			No.	Size	Length	Mark	Location
End Bents No. 1&5								Piers No. 3&4				
28	#6	5'-3"	D2	Footings				32	#8	8'-0"	D1	Footings
12	#6	8'-0"	F1	Col. Hch.				6	#8	2'-9"	H1	Web.
12	#6	7'-9"	F2	"				18	#4	25'-0"	H2	"
6	#6	26'-0"	H9	Beam	4-V2 CUT 8	14-V8 CUT 28 & BEND AS SHOWN	9-V11 CUT 18 & BEND AS SHOWN	8	#7	25'-6"	H3	Cap
10	#9	26'-6"	H10	"				4	#6	28'-0"	H4	"
4	#6	26'-0"	H11	Backwall				8	#7	10'-6"	H5	"
20	#5	8'-3"	H12	Wing	26'-6"	25'-6"	36'-9"	16	#6	3'-0"	H6	"
4	#5	7'-3"	H13	"	21-S4 CUT 42 & BEND AS SHOWN	19-S5 CUT 76 & BEND AS SHOWN	50-S8 CUT 50	4	#6	21'-6"	H7	Haunch
4	#5	24'-0"	H14	Beam				6	#5	22'-0"	H8	"
4	#6	10'-3"	T1	Wing				16	#8	3'-6"	P1	Col. Pier 3
4	#6	10'-9"	T2	"				16	#9	11'-9"	P2	"
50	#4	10'-6"	U8	Beam				22	#4	8'-3"	P3	Web Pier 3
20	#4	3'-3"	U9	"				16	#8	10'-6"	P4	Col. Pier 4
62	#4	3'-6"	V1	Backwall				16	#9	9'-3"	P5	"
8	#4	7'-6"	V2	Wing				22	#4	10'-3"	P6	Web
4	#4	4'-9"	V3	"				48	#5	10'-0"	U1	Web
6	#6	18'-6"	V4	Col. Bt. No. 1				52	#6	6'-6"	U2	Cap
8	#6	17'-6"	V5	"				48	#6	6'-6"	U3	"
28	#3	14'-6"	V6	"				4	#6	6'-0"	U4	"
8	#4	15'-6"	V7	"				8	#6	4'-3"	U5	"
8	#6	12'-0"	V8	"				44	#5	3'-9"	U6	Haunch
6	#6	12'-3"	V9	"				62	#4	4'-9"	U7	"
4	#4	10'-0"	V10	"				8	#2	19'-9"	W1	A.B. Well
18	#3	10'-6"	V11	"				Superstructure				
Int. Bent No. 2								144	#5	2'-9"	C1	Curb
16	#6	5'-3"	D2	Footings				6	#5	27'-6"	C2	"
8	#6	7'-9"	F2	Col. Hch.				2	#6	12'-3"	C3	"
8	#6	7'-9"	F3	"				0	#6	26'-9"	C4	"
11	#6	25'-0"	G1	Beam				150	#4	15'	C5	"
2	#6	23'-0"	G2	"				14	#6	11'-0"	C6	"
16	#6	19'-0"	P1	Column				6	#5	28'-0"	C8	"
32	#3	7'-9"	P8	"				106	#4	22'-0"	S1	Slab
23	#4	9'-3"	U10	Beam				51	#4	24'-0"	S2	"
12	#4	3'-3"	L9	"				64	#4	28'-0"	S3	"
Spot Weld #2 bars								42	#4	26'-6"	S4	"
Symm. obt. 6								76	#4	25'-6"	S5	"
Spot Weld #2 bars								5	#4	24'-9"	S6	"
Spot Weld #2 bars								32	#4	26'-9"	S7	"
Spot Weld #2 bars								50	#5	36'-9"	S8	"
Spot Weld #2 bars								44	#5	26'-9"	S9	"
Spot Weld #2 bars								112	#5	24'-6"	S10	"
Spot Weld #2 bars								34	#5	43'-3"	S11	"
Spot Weld #2 bars								1	#4	23'-3"	S12	"
Spot Weld #2 bars								8	#5	22'-3"	S13	"
Spot Weld #2 bars								117	#5	20'-9"	S14	"
Spot Weld #2 bars								7	#5	22'-3"	S16	"

BRIDGE OVER BYRD CREEK

STATE ROAD FROM RT. SE AT OAK RIDGE SOUTH TO JACKSON
ABOUT 6.7 MILES NW OF JACKSON
PROJECT NO. 5-187(1) SEC. A (S.D.) STA. 234+54

CAPE GIRARDEAU COUNTY