403

ARKANSAS STATE HIGHWAY COMMISSION

DWIGHT H. BLACKWOOD
CHAIRMAN

JUSTIN MATTHEWS — J. LAN WILLIAMS
J. S. PARKS — SAM J. WILSON
COMMISSIONERS

HIGHWAY BRIDGE OVER WHITE RIVER

NEAR

AUGUSTA, ARKANSAS

(WOODRUFF COUNTY)

C. S. CHRISTIAN
HIGHWAY ENGINEER

N. B. GARVER
BRIDGE ENGINEER

JOB NO. 1115

U.S.R-64 S-12

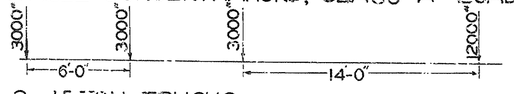
IRA G. HEDRICK, INC.
CONSULTING ENGINEERS
HOT SPRINGS, ARKANSAS

REVISED

CONCRETE APPROACHES

INDEX

WHEEL CONCENTRATIONS, CLASS A LOADING



2-15 TON TRUCKS

EQUIVALENT UNIFORM LIVE LOADS

SPAN LENGTH	LOAD
0' TO 50'	150# PER SQ. FT
50' TO 100'	130 " " " "
100' TO 200'	80 " " " "
200' AND OVER	64 " " " "

IMPACT

25% — CONCRETE

$\frac{100}{L+300}$ — STEEL

GENERAL NOTES

All hooks on reinforcing bars to have a radius of 4d and a return of 12d where d= diameter of round bar, or side of square bar. Lengths of hooked bars are given to starting point of hook, thus: ——⊃. All bends such as on girder bars must have a radius of not less than 12d.

Centers of bars in floor slab to be not less than 1½" from face of concrete. Centers of bars to be 4" from face of concrete on piers, and 3" on girders and columns unless otherwise noted.

Chamfers to be 2" throughout unless otherwise noted.

CONSTANTS

	CONCRETE 1-1-2 MIX	STEEL
FLOOR SLABS, CROSS GIRDERS, GIRDERS, ETC	975# PER SQ. IN.	
BEAMS CONTINUOUS OVER SUPPORTS: AT CENTER OF BEAMS	975 " " "	
OVER SUPPORTS	1125 " " "	
BOND FOR STEEL IN CONCRETE	150 " " "	
COLUMNS IN DIRECT COMPRESSION	600 - $\frac{22.5\,L}{D}$ " " "	
NOTE: FOR 1-2-4 CONCRETE DECREASE ABOVE STRESSES 33⅓ %		
TENSION, NET SECTION		16000 # PER SQ. IN.
COMP. IN COLS. & OTHER COMP. MEMBERS, FIXED ENDS	600 - $\frac{22.5\,L}{D}$ " " "	
MODULUS OF ELASTICITY, STEEL		30000000 " " " "
CONCRETE 1-2-4	2000000 " " "	
1-1-2	3000000 " " "	
VARIATION IN TEMPERATURE	±50°	
COEFFICIENT OF EXPANSION	.0000055	.0000067

Sheet No. 2.

Br. No. 613 Drwg. No. 4963

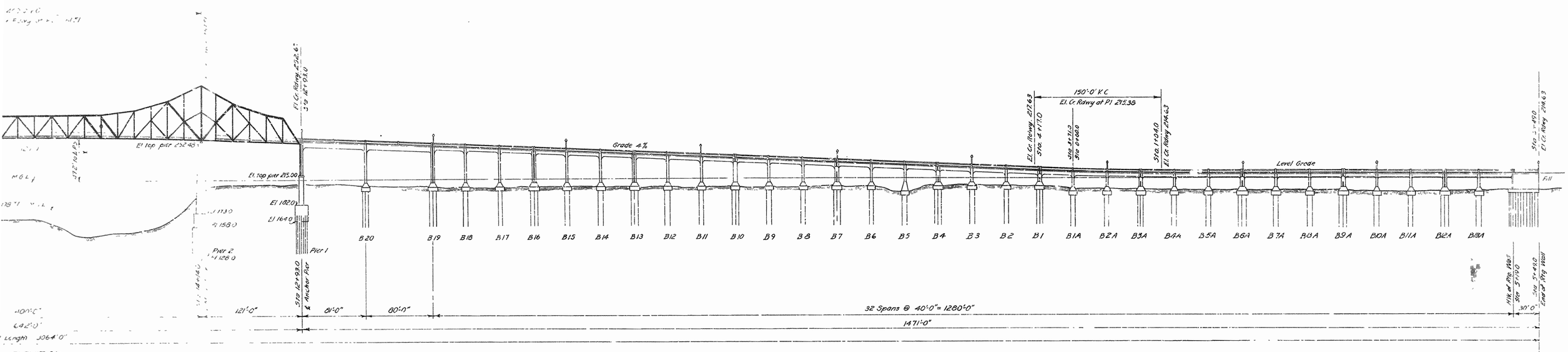
404

404

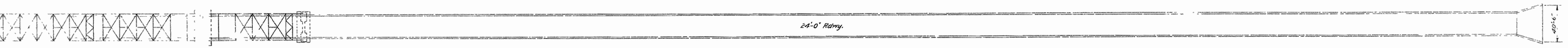
ARK 1929 3

U. S.

AUGUSTA →



ELEVATION



PLAN

Note

El. tops of caps	Bents 1A-13A inclusive	200.50
El. tops of caps	Bents 1-25 inclusive	205.69
El. tops of caps	Bents 26-40 inclusive	203.69
El. top of base Rtg. Wall	Augusta side	157.30
El. top of base Rtg. Wall	Bald Knob side	199.09

Sta 0+00 = Sta 3+71.0 on original survey

Revised, Oct 24, 1929

ARKANSAS STATE HIGHWAY COMMISSION

BRIDGE OVER WHITE RIVER

NEAR

AUGUSTA, ARKANSAS

Rock Island Mo. P.

GENERAL PLAN & PROFILE

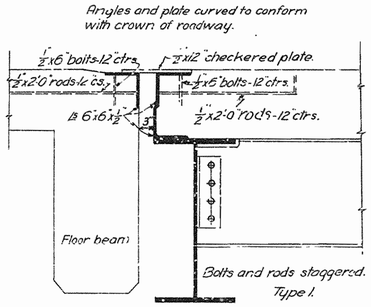
REVISED

MADE BY H.W.S.
TRACED BY H.W.S.
CHECKED BY K.F.
DATE July 29, 1929 SCALE 1"=50'-0" SHEET NO 3

IRA G. HEDRICK, INC.
CONSULTING ENGINEERS
HOT SPRINGS, ARKANSAS

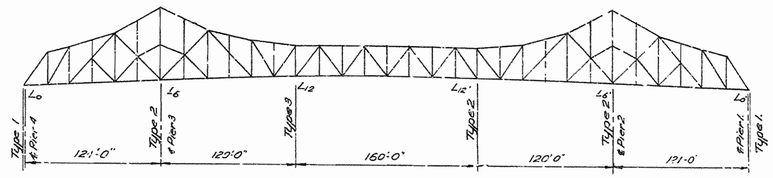
Br. No. 613

Drwg. No. 4964

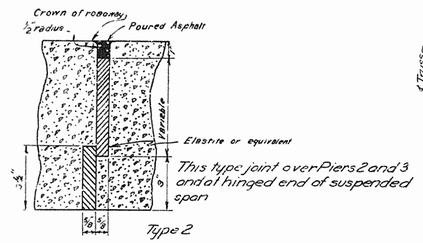


EXPANSION JOINT AT END OF STEEL SPAN

Scale 1"=1'0"

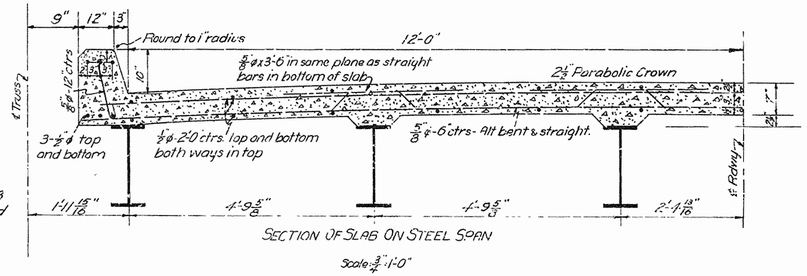


LOCATION OF SLAB EXPANSION JOINTS ON MAIN RIVER BRIDGE.



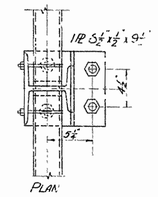
DETAIL OF EXPANSION JOINT IN SLAB AND CURB

SCALE - 3"=1'0"

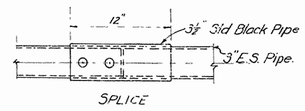


SECTION OF SLAB ON STEEL SPAN

Scale ¾"=1'0"

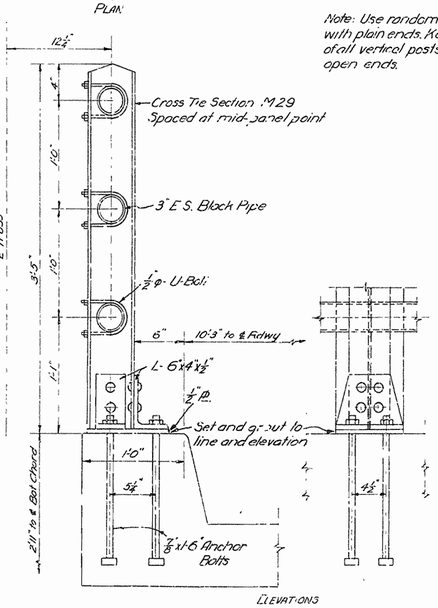


PLAN



SPLICE

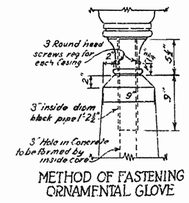
Note: Use random lengths of pipe, with plain ends. Keep splices clear of all vertical posts. Cap pipe at open ends.



ELEVATIONS

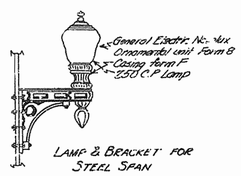
Scale 1½"=1'0"

INTERMEDIATE HANDRAIL POST MAIN RIVER BRIDGES AT AUGUSTA AND NEWPORT.

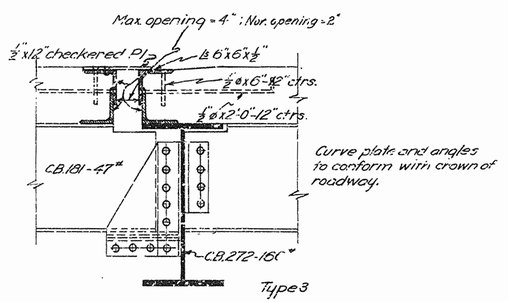


METHOD OF FASTENING ORNAMENTAL GLOVE

Scale 1"=1'0"

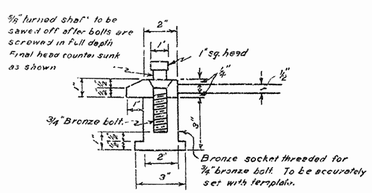


LAMP & BRACKET FOR STEEL SPAN



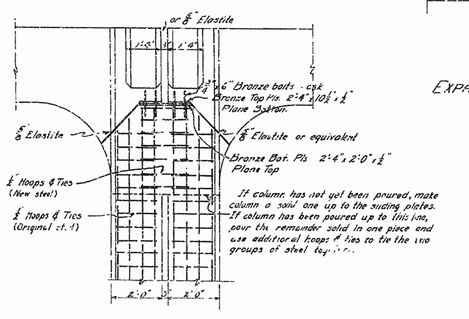
EXPANSION JOINT AT ROCKER END OF SUSPENDED SPAN

Scale: 1"=1'0"

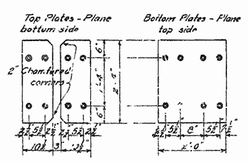


BOLT & SOCKET DETAIL.

SCALE. 3"=1'0"



EXPANSION COLUMN AT BENTS 9A, 6A, 3A, 1, 4, 7, 7, 10, 31 & 34



BRONZE EXPANSION PLATES AT BENTS 9A, 6A, 3A, 1, 4, 7, 37, 10, 31 & 34

Revised, Oct 24, 1929
Revised, July 29, 1929.

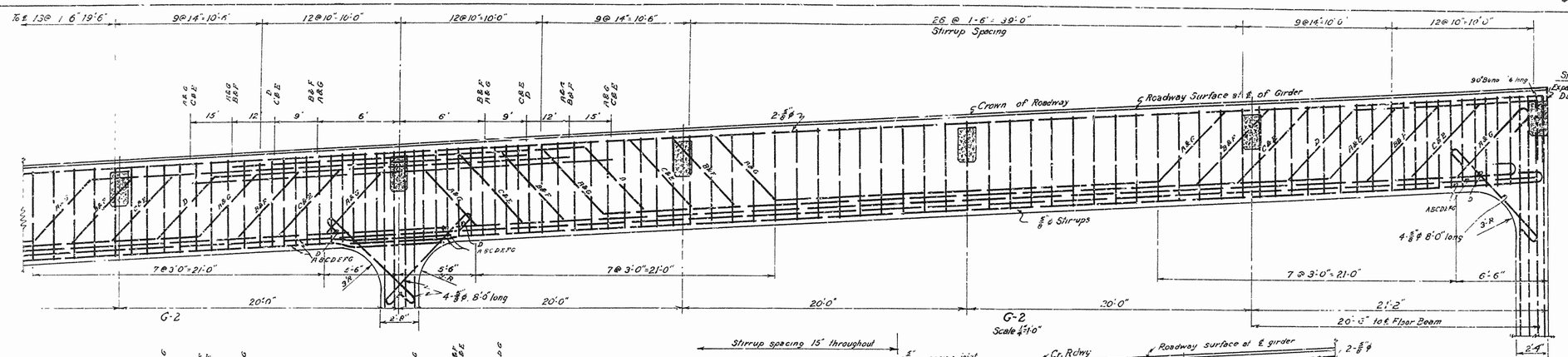
ARKANSAS STATE HIGHWAY COMMISSION
BRIDGE OVER WHITE RIVER
NEAR
AUGUSTA ARKANSAS
REVISED
MISCELLANEOUS DETAILS

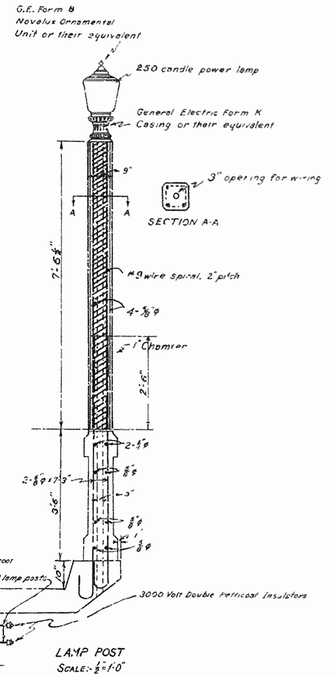
MADE BY: W.C.H.
TRACED BY: W.C.H.
CHECKED BY:
DATE: July 29, 1929
SCALE: As shown
SHEET NO. 7

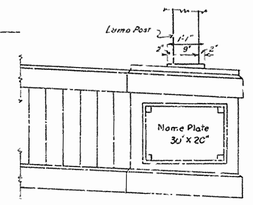
IRA G. HEDRICK, INC.
CONSULTING ENGINEERS
HOT SPRINGS, ARKANSAS

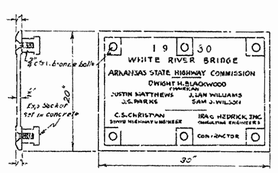
Br. No. 613
Drwg. No. 4968

406

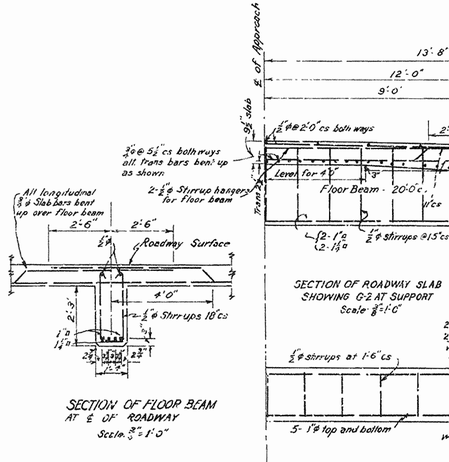


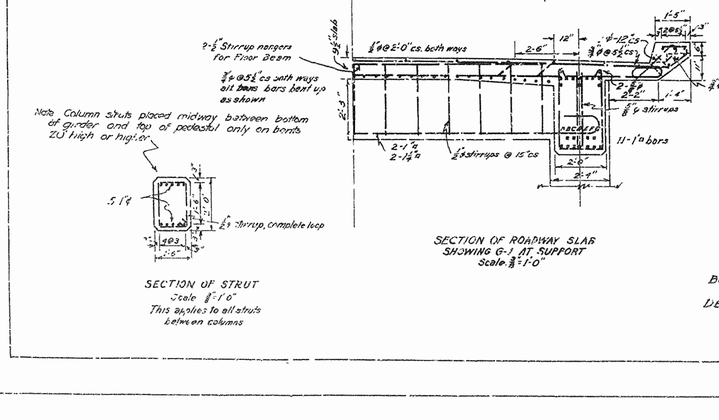


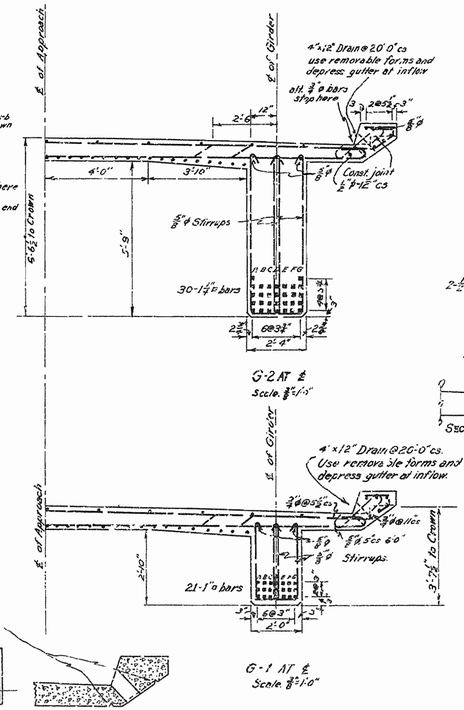


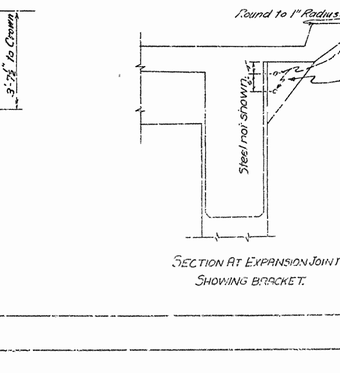


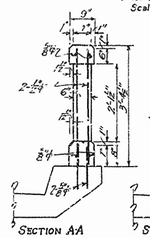
NAME PLATE
4 REQUIRED
Scale 1"=1'0"

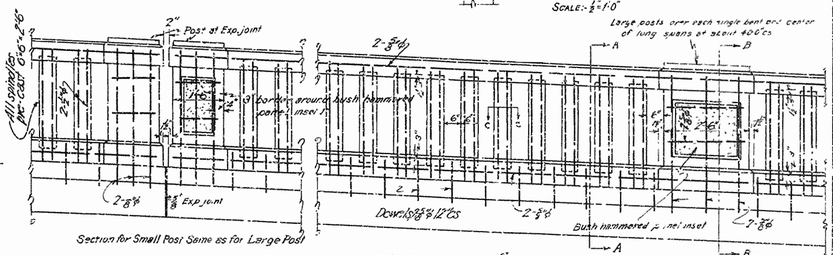












Revised, Oct 24, 1929
Revised Oct 7, 1929
Revised Aug. 22, 1929
Revised July 29, 1929

ARKANSAS STATE HIGHWAY COMMISSION

BRIDGE OVER WHITE RIVER

NEAR

AUGUSTA, ARKANSAS

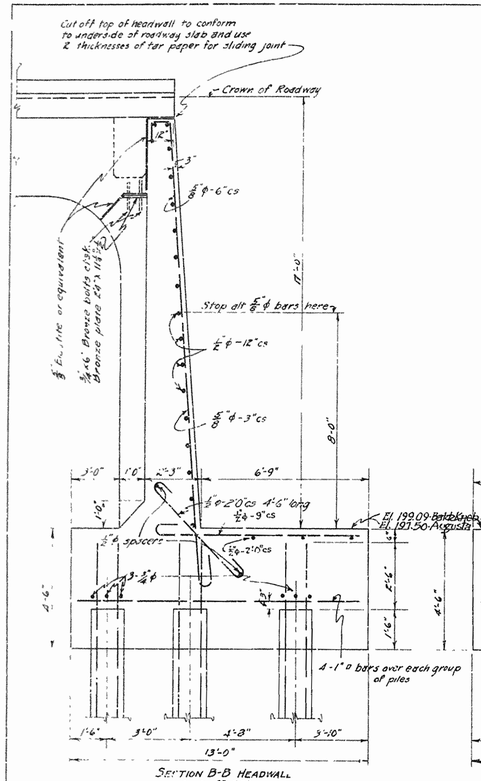
REVISED

DETAILS OF CONCRETE GIRDERS, LAMP POSTS, HAND RAILS, & NAME PLATES.

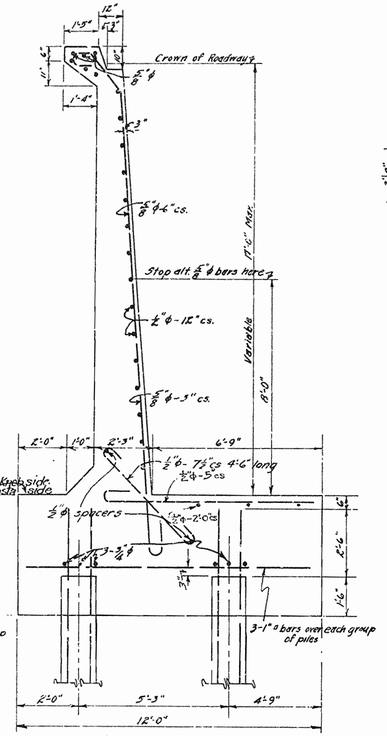
MADE BY K.F.
TRACED BY W.C.H.
CHECKED BY K.:
DATE July 29, 1929 SCALE As shown SHEET NO. 5

IRA G. HEDRICK, INC.
CONSULTING ENGINEERS
HOT SPRINGS, ARKANSAS

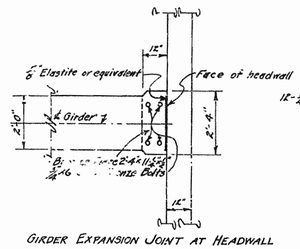
Bz. No. 613 Dwg. No. 4966



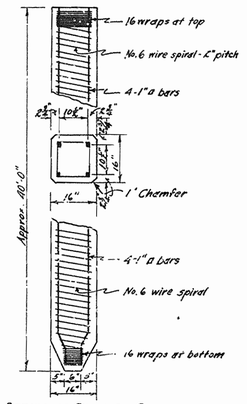
SECTION B-B HEADWALL
Scale ⅜"=1'-0"



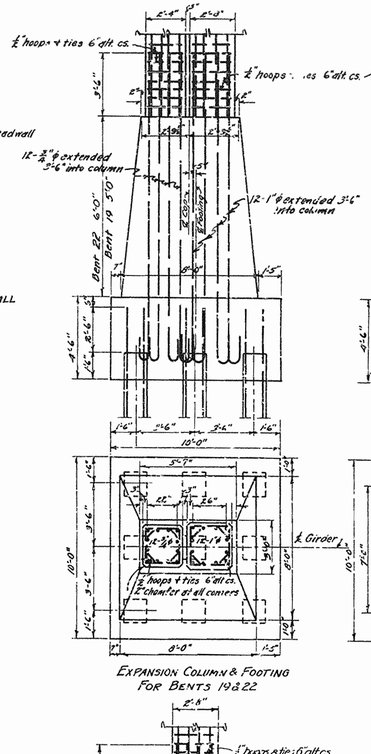
SECTION A-A SIDE WALL
Scale ⅜"=1'-0"



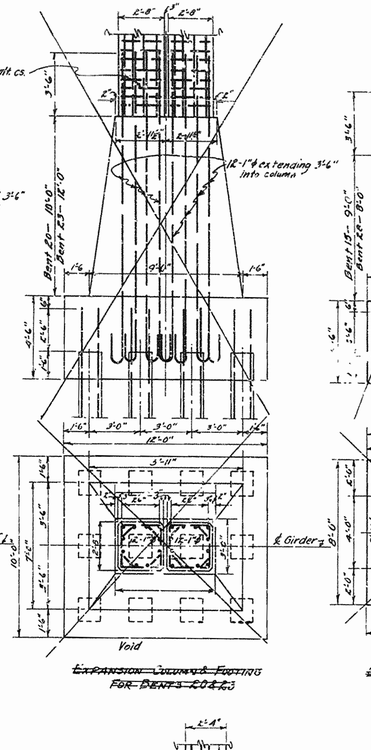
GIRDER EXPANSION JOINT AT HEADWALL



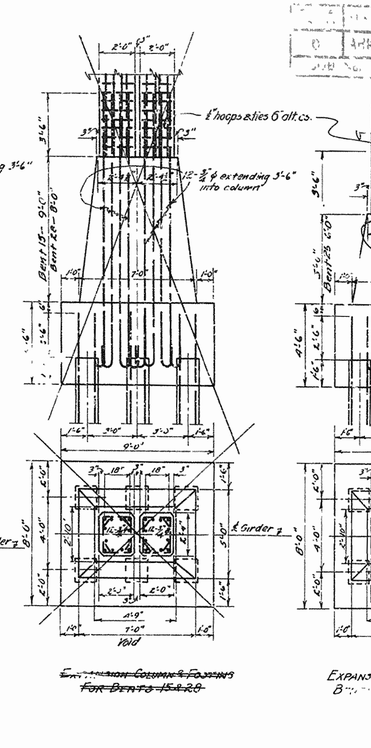
DETAILS OF STANDARD PILE
Scale ½"=1'-0"



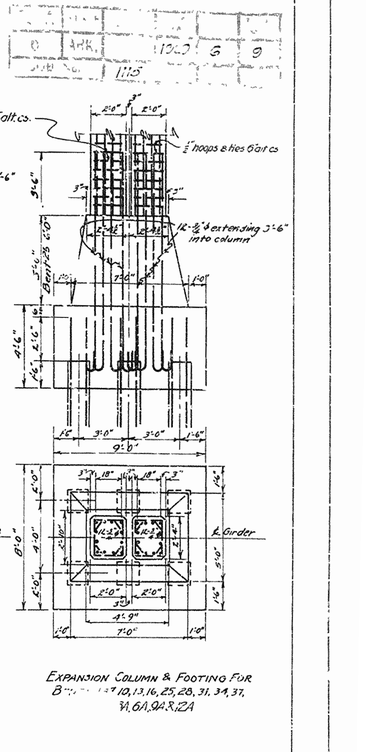
EXPANSION COLUMN & FOOTING FOR BENTS 19 & 22



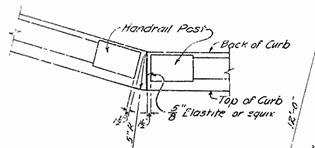
~~EXPANSION COLUMN & FOOTING FOR BENTS 20 & 23~~



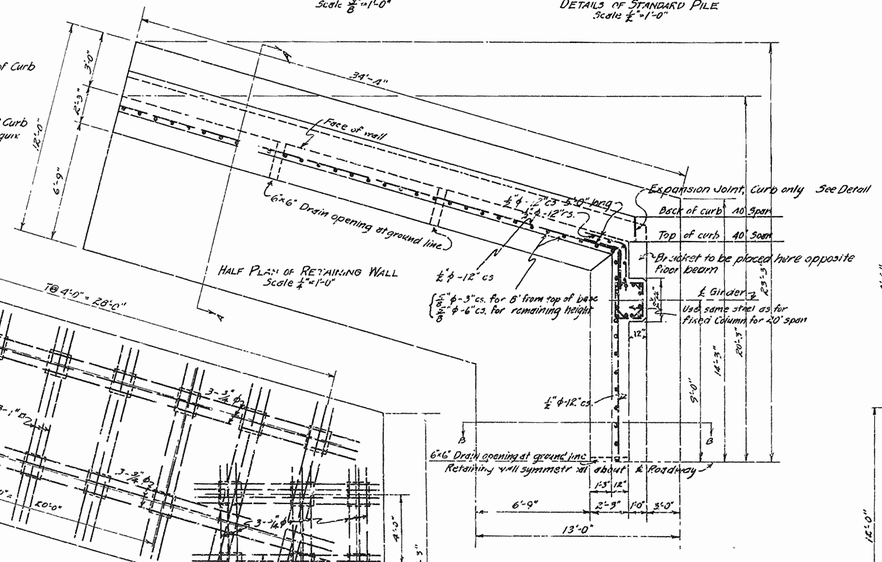
~~EXPANSION COLUMN & FOOTING FOR BENTS 15 & 22~~



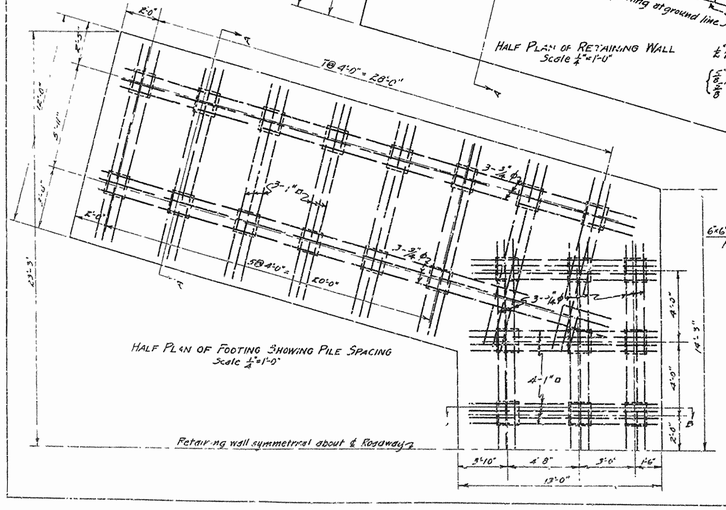
EXPANSION COLUMN & FOOTING FOR BENTS 10, 13, 16, 25, 28, 31, 34, 37, 1A, 6A, 9A, 12A



Detail of Expansion Joint, Curb only

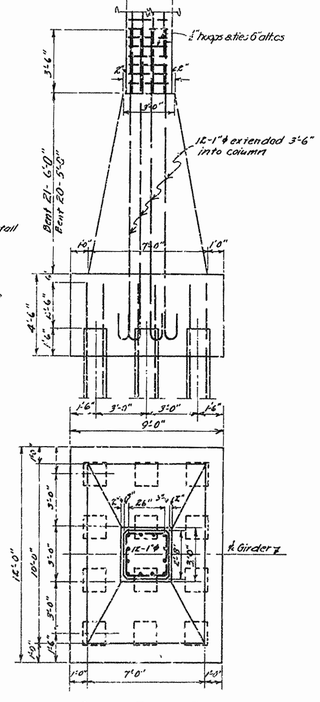


HALF PLAN OF RETAINING WALL
Scale ¼"=1'-0"

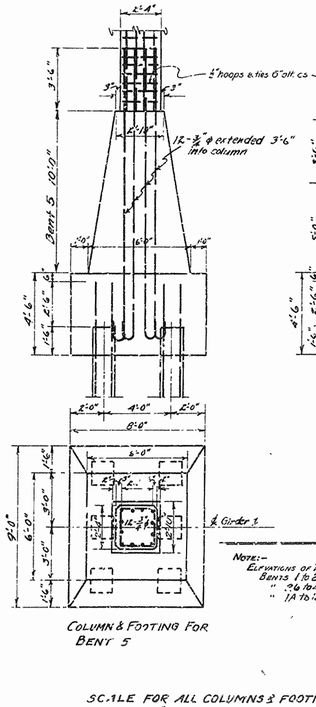


HALF PLAN OF FOOTING SHOWING PILE SPACING
Scale ¼"=1'-0"

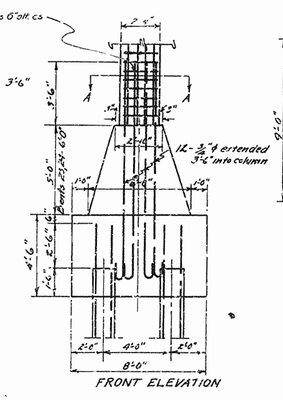
RETAINING WALL
Scales as shown



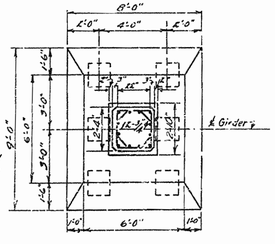
COLUMN & FOOTING FOR BENTS 20 & 21



COLUMN & FOOTING FOR BENT 5



FRONT ELEVATION



SECTION A-A

COLUMN & FOOTING FOR BENTS 2, 3, 6, 8, 9, 11, 12, 14, 15, 17, 18, 23, 24, 26, 27, 29, 30, 32, 33, 35, 36, 38, 39, 40, 1A, 2A, 4A, 5A, 7A, 8A, 10A, 11A, 13A

Notes:—
Elevations of Tops
Bents 1 to 25 inc. .. el. 205.69
" 26 to 40 " .. " 203.69
" 1A to 13A " .. " 200.50

SCALE FOR ALL COLUMNS & FOOTINGS
½"=1'-0"

Revised Oct 24, 1929
Revised Oct 7, 1929

ARKANSAS STATE HIGHWAY COMMISSION
BRIDGE OVER WHITE RIVER
NEAR
AUGUSTA, ARKANSAS
REVISED
DETAILS OF RETAINING WALLS, COLUMNS & FOOTINGS

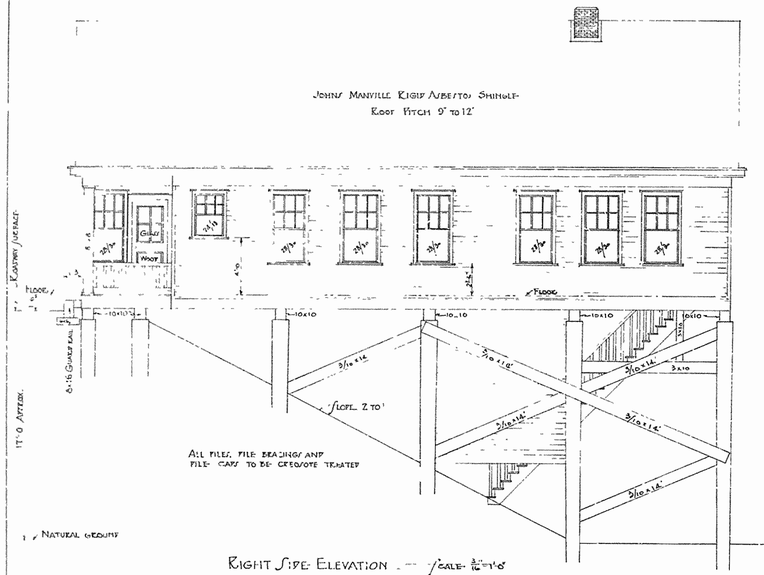
MADE BY: K.F.
TRACED BY: J.G.M. & H.W.S.
CHECKED BY: K.F.
DATE: July 29, 1929 SCALE As Noted SHEET NO 6

IRA G. HEDRICK INC.
CONSULTING ENGINEERS
HOT SPRINGS, ARKANSAS

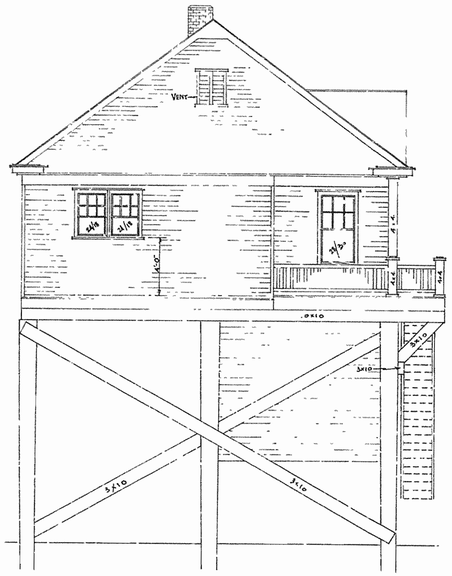
Br. No. 613 Drwg. No. 4967

409

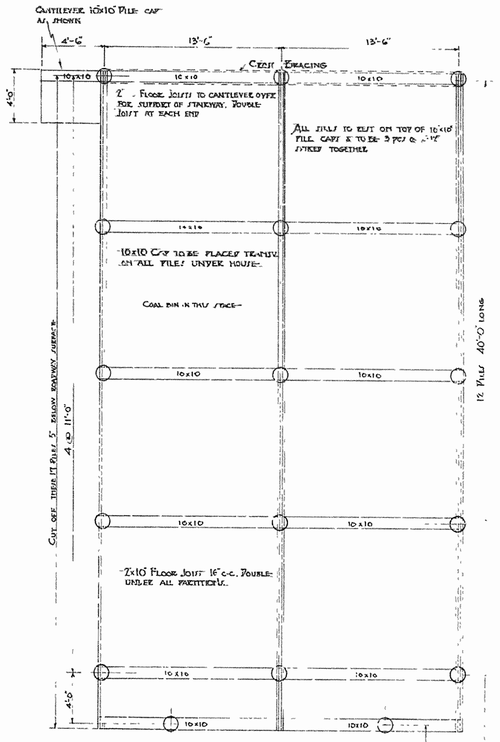
APR 1929 8 3



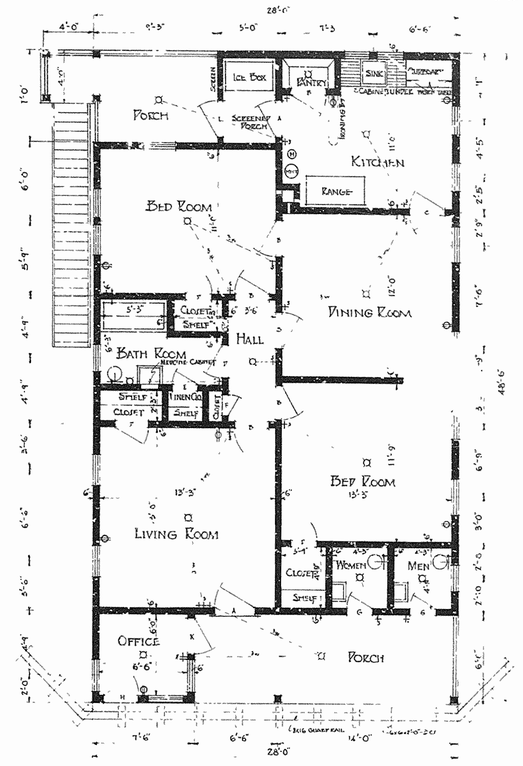
RIGHT SIDE ELEVATION — SCALE: 3/16"=1'-0"



REAR ELEVATION — SCALE: 3/16"=1'-0"

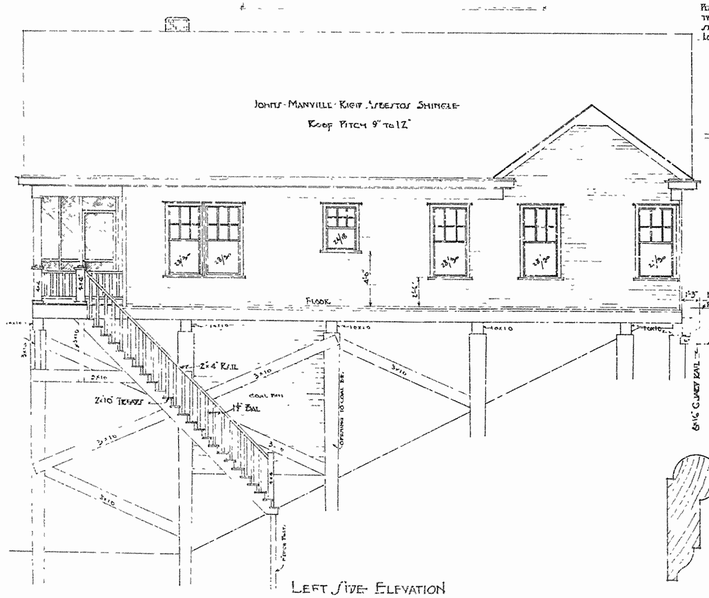


PILING AND FOUNDATION PLAN
SCALE: 3/16"=1'-0"

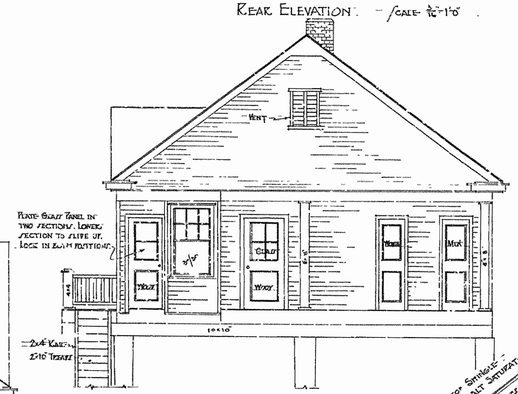


FLOOR PLAN
SCALE: 3/16"=1'-0"

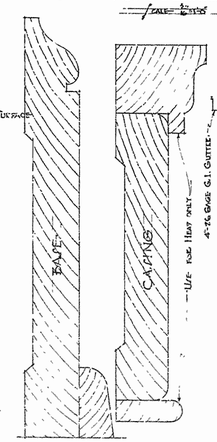
JOHNS-MANVILLE RIGID ASBESTOS SHINGLE
ROOF PITCH 9" TO 12"



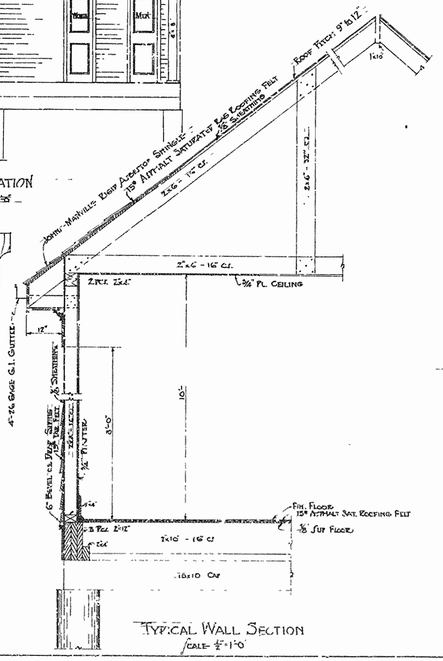
LEFT SIDE ELEVATION
SCALE: 3/16"=1'-0"



FRONT ELEVATION
SCALE: 3/16"=1'-0"

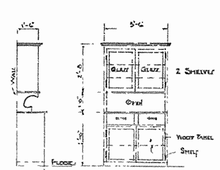


F. S. TRIM DETAILS

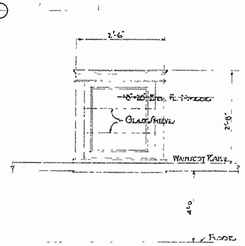


TYPICAL WALL SECTION
SCALE: 1"=1'-0"

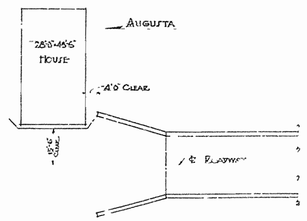
CUT OFF THESE FOUR PILES 6" BELOW ROADWAY SURFACE



DETAIL OF KITCHEN CUPBOARD
SCALE: 1"=1'-0"



BATH RM. MED. CAB.
SCALE: 1"=1'-0"



LOCATION OF TOLL TAKER'S HOUSE
SCALE: 1"=30'-0"

DOOR SCHEDULE

MARK	SIZE	DESCRIPTION	WOOD
A	3'-0"x7'-0"x1 3/8"	GLASS PNLS & TR.	CYP.
B	2'-8"x7'-0"x1 3/8"	5 WOOD PNLS.	FIR
C	2'-8"x7'-0"x1 3/8"	5 WOOD PNLS. (X. ACT.)	FIR
D	2'-6"x7'-0"x1 3/8"	5 WOOD PNLS.	FIR
E	2'-0"x7'-0"x1 3/8"	2 WOOD PNLS.	FIR
F	1'-6"x7'-0"x1 3/8"	2 WOOD PNLS.	FIR
G	2'-0"x7'-0"x1 3/8"	2 WOOD PNLS.	CYP.
H	2'-8"x7'-0"x1 3/8"	SLIDING PLATE GLASS DOOR	- " -
K	2'-8"x7'-0"x1 3/8"	2 WOOD PNLS.	- " -
L	3'-0"x7'-0"x1 3/8"	SCREEN DOOR	CYP.

ARKANSAS STATE HIGHWAY COMMISSION
BRIDGE OVER WHITE RIVER
NEAR
AUGUSTA, ARKANSAS

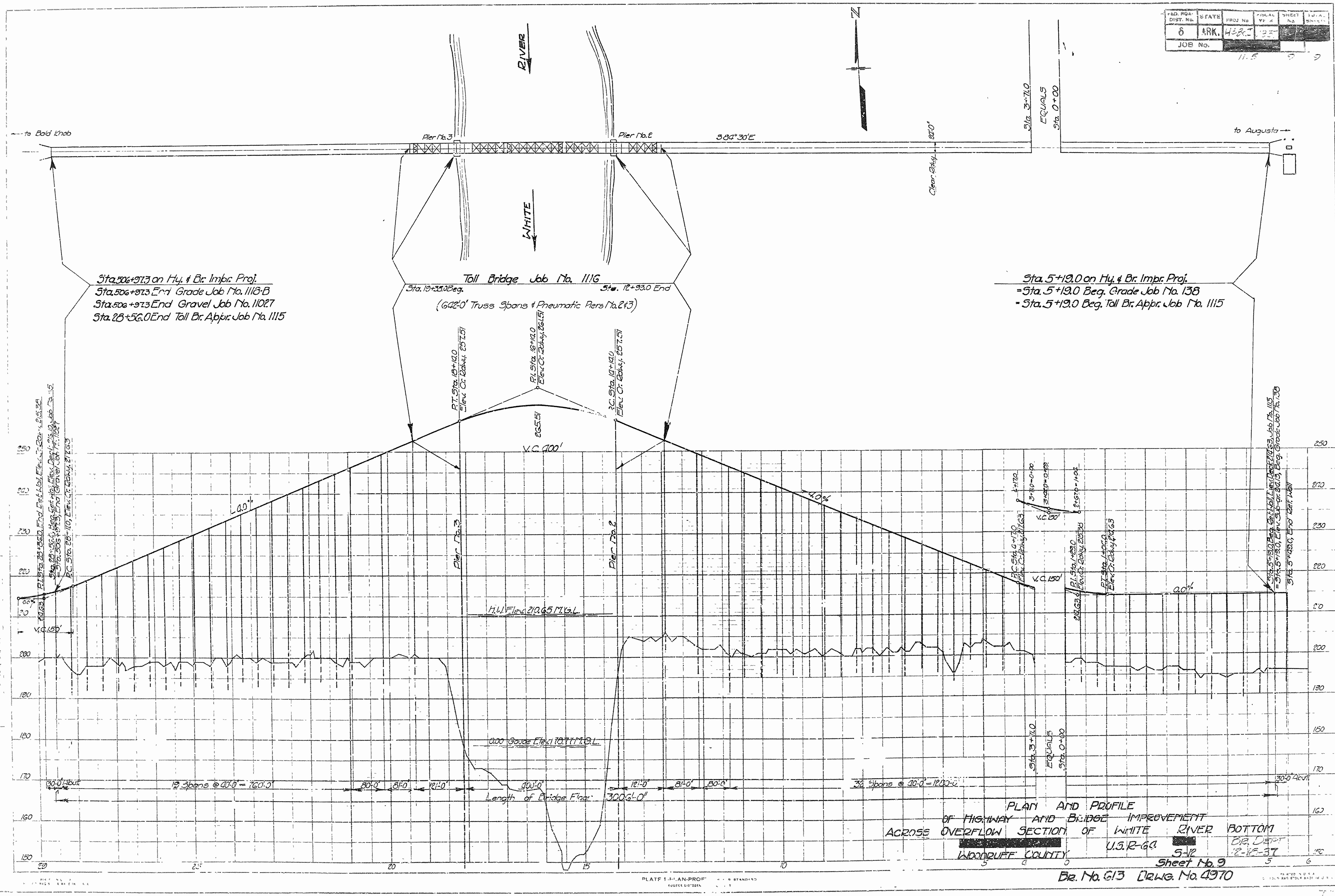
TOLL TAKER'S RESIDENCE

MADE BY: K.C.
TRACED BY: K.C.
CHECKED BY:

R. A. G. HEDRICK, INC.
CONSULTING ENGINEERS
HOT SPRINGS, ARKANSAS

DATE: MAY 16, 1930. SCALES: AS SHOWN SHEET NO. 8

BR. NO. 613 DRWG. NO. 4963



FED. ROAD DIST. No. | STATE | PROJ. No. | FISCAL YEAR | SHEET No. | TOTAL SHEETS
6 | ARK. | [redacted]
JOB No. [redacted]
N
RIVER
WHITE
to Bald Knob
Pier No.3
Pier No.2
S 84°30'E
Clear Rdwy.
Sta. 3+71.0
EQUALS
Sta. 0+00
to Augusta
Sta.506+97.3 on Hy. & Br. Impr. Proj.
Sta.506+97.3 End Grade Job No. 1118-B
Sta.506+97.3 End Gravel Job No. 11027
Sta. 28+56.0 End Toll Br. Appr. Job No. 1115
Toll Bridge Job No. 1116
Sta. 19+35.0 Beg.
Sta. 12+93.0 End
(602'-0" Truss Spans & Pneumatic Piers No. 2 & 3)
Sta. 5+19.0 on Hy. & Br. Impr. Proj.
=Sta. 5+19.0 Beg. Grade Job No. 138
=Sta. 5+19.0 Beg. Toll Br. Appr. Job No. 1115
P.T. Sta. 18+10.0 Elev. Cr. Rdwy. 257.51
P.I. Sta. 16+10.0 Elev. Cr. Rdwy. 265.51
P.C. Sta. 14+10.0 Elev. Cr. Rdwy. 257.51
V.C. 400'
4.0%
-4.0%
Pier No.3
Pier No.2
V.C. 150'
0.0%
H.W. Elev. 210.65 M.G.L.
0.00 Gage Elev. 178.71 M.G.L.
Sta. 3+71.0
EQUALS
Sta. 0+00
30'-0" Abut.
19 Spans @ 40'-0" = 760'-0"
80'-0"
81'-0"
121'-0"
200'-0"
121'-0"
81'-0"
80'-0"
36 Spans @ 40'-0" = 1200'-0"
30'-0" Abut.
Length of Bridge Floor 3006'-0"
250
240
230
220
210
200
190
180
170
160
150
25
20
15
10
5
0
5
6
PLAN AND PROFILE
OF HIGHWAY AND BRIDGE IMPROVEMENT
ACROSS OVERFLOW SECTION OF WHITE RIVER BOTTOM
[redacted]
U.S. R-64 [redacted]
WOODRUFF COUNTY
S-12
Br. Dept.
12-18-37
Sheet No. 9
Br. No. 613 Drwg. No. 4970

411

1925 2 12

1116

ARKANSAS STATE HIGHWAY COMMISSION

DWIGHT H. BLACKWOOD
CHAIRMAN

JUSTIN MATTHEWS — J. LAN WILLIAMS
J. S. PARKS — SAM J. WILSON
COMMISSIONERS

HIGHWAY BRIDGE OVER WHITE RIVER

NEAR

AUGUSTA, ARKANSAS

(WOODRUFF COUNTY)

C. S. CHRISTIAN
HIGHWAY ENGINEER

JOB NO. 1116

IRA G. HEDRICK, INC.
CONSULTING ENGINEERS
HOT SPRINGS, ARKANSAS

N. B. GARVER
BRIDGE ENGINEER

U.S.R-64 S-12

REVISED
MAIN RIVER BRIDGE

INDEX

	SHEET NO.	DRWG. NO.
LOCATION LAYOUT	1	4962
TITLE SHEET	2	4971
GENERAL PLAN AND PROFILE OF BRIDGE AND APPROACHES	3	4964
MAP OF BRIDGE SITE AND PROFILE OF BORINGS	4	4965
STRESSES AND SECTIONS STEEL SPAN	5	4972
DETAILS SUSPENDED SPAN	6	4973
DETAILS CANTILEVER ARMS	7	4974
DETAILS ANCHOR ARMS	8	4975
SUPPLEMENTAL DETAILS, STEEL SPANS	9	4976
DETAILS OF PIERS FOR MAIN BRIDGE	10	4977
HANDRAIL DETAILS	11	4978
PLAN & PROFILE SHOWING CONNECTION WITH ADJ. JOBS	12	4970

WHEEL CONCENTRATIONS CLASS A LOADING

2-15 TON TRUCKS

EQUIVALENT UNIFORM LIVE LOADS

SPAN LENGTH	LOAD
0' TO 50'	150# PER SQ. FT.
50' TO 100'	130 " " " "
100' TO 200'	80 " " " "
200' AND OVER	64 " " " "

IMPACT

25% — CONCRETE

$\frac{100}{L+300}$ — STEEL

GENERAL NOTES

All hooks on reinforcing bars to have a radius of 4d and a return of 12d where d= diameter of round bar, or side of square bar. Lengths of hooked bars are given to starting point of hook thus: ——) All bends such as on girder bars must have a radius of not less than 12d.

Centers of bars in floor slab to be not less than 1½" from face of concrete. Centers of bars to be 4" from face of concrete on piers, and 3" on girders and columns unless otherwise noted.

Chamfers to be 2" throughout unless otherwise noted.

CONSTANTS

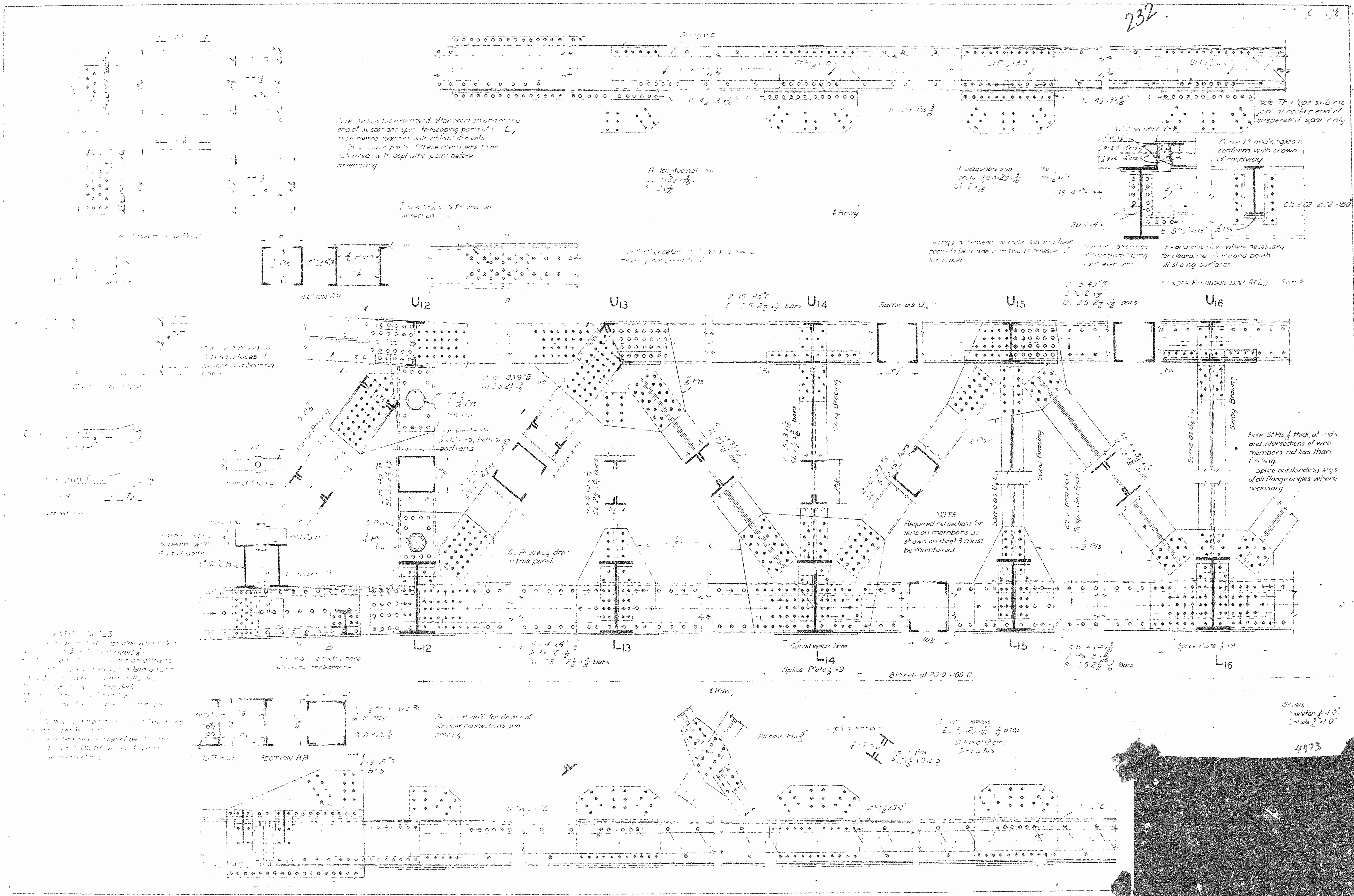
	CONCRETE 1-1-2 MIX	STEEL
FLOOR SLABS, CROSS GIRDERS, GIRDERS, ETC.	975# PER SQ. IN.	
BEAMS CONTINUOUS OVER SUPPORTS: AT CENTER OF BEAMS	975 " " " "	
OVER SUPPORTS	1125 " " " "	
BOND FOR STEEL IN CONCRETE	150 " " " "	
COLUMNS IN DIRECT COMPRESSION	$900-\frac{22.5\,L}{D}$ " " " "	
NOTE FOR 1-2-4 CONCRETE DECREASE ABOVE STRESSES 33⅓ %		
TENSION NET SECTION		16000 # PER SQ. IN.
COMP. IN COLS. & OTHER COMP. MEMBERS FIXED ENDS	$900-\frac{22.5\,L}{D}$ " " " "	
MODULUS OF ELASTICITY, STEEL		30000000 " " " "
CONCRETE 1-2-4	2000000 " " " "	
1-1-2	3000000 " " " "	
VARIATION IN TEMPERATURE	±50°	
COEFFICIENT OF EXPANSION	.0000055	.0000067

Sheet No. 2

Bg. No. 613 Drwg. No. 4971


U6
U7
U8
U9
U10
U11
U12
M6
M7
M9
L6
L7
L8
L9
L10
L11
L12
See Sheet No 7 for sway and portal bracing.
All stringers CB181-47
OUTSIDE STRINGERS AT L6.
Upper lateral system U8 to U12 - All transverse struts and diagonals
FLOOR BEAM AND OUTSIDE STRINGER AT L6
CAST STEEL SHOE
Four required
Conn Pls
Sway and Portal Bracing
Sway Bracing
Scales:
Skeleton - 1/8" = 1'-0"
All details - 1/2" = 1'-0"
Cl Roadway drain in this panel
6 Panels @ 20'-0" = 120'-0"
All conn. plates except at L6.
DWG. NO. 4972

232



Note This type sub-end joint at rocker end of suspended span only
Cut in Pl and angles to conform with crown of roadway.
CB 272 27.2#160
U12
U13
U14
Same as U12
U15
U16
Sway Bracing
Same as U4 L4
Note St Pls 3/8 thick at ends and intersections of web members not less than 1'-6 long.
Splice outstanding legs of all flange angles where necessary
NOTE
Required net sections for tension members as shown on sheet 3 must be maintained.
Ct Floorway drain this panel.
Cut all webs here
Splice Plate 1/2 x 9
8 Panels at 20-0 = 160-0
L12
L13
L14
L15
L16
Section BB
Scales
Skeleton 1/4" = 1'-0"
Details 3/4" = 1'-0"
4973


233
PORTAL BRACING END OF SUSPENDED SPAN
SWAY BRACING
PORTAL BRACING END OF CANTILEVER SPAN
PORTAL BRACING END OF ANCHOR ARM
SECTION OF SUSPENDED SPAN
PORTAL BRACING
SWAY BRACING
SLAB REINFORCEMENT AND STRINGER BRACING
PLAN OF STRINGER BRACING
ALL STRINGERS EXCEPT OUTSIDE STRINGERS AT L6
All stringers CB 181 47#
SCALES
All details - 3/4" = 1'-0 except as noted
GENERAL NOTES.
All metal medium steel unless otherwise noted.
All shop rivets 3/4 d. All field rivets 3/4 d.
Rivets holes punched 3/16 less in diameter and reamed to 1/16 greater, except in laterals and sway bracing where punch fullsize. Metal over 3/4 thick to be drilled.
Minimum thickness of metal 3/8.
Anchor bolts soft steel. Faced ends.
Abutting ends of all compression members faced.
Truss to be assembled in shop and field holes reamed to perfect match.
All metal to receive coat of paint in shop.
Single lacing 60°. Double lacing 45° and riveted at intersections.
EXPANSION JOINT END OF STEEL SPAN Scale - 1" = 1'-0"
ELEVATION OF INFLOW
SECTION A-A
CAST IRON DRAIN Scale - 1" = 1'-0
ANCHORAGE SWAY BRACING
See Sheet No 6
4974

6	ARK.	1929	10	12
		1116		

SIDE ELEVATION
PIERS 2+3

FRONT ELEVATION
PIERS 2+3

HALF SECTION OF SHAFT AND WEB
PIERS 1+4

SECTION B-B
Showing arrangement of column stub bars

FRONT ELEVATION
PIERS 1+4

SIDE ELEVATION
PIERS 1+4

SECTION A-A
PIERS 1+4

Looking toward shore

Looking toward river

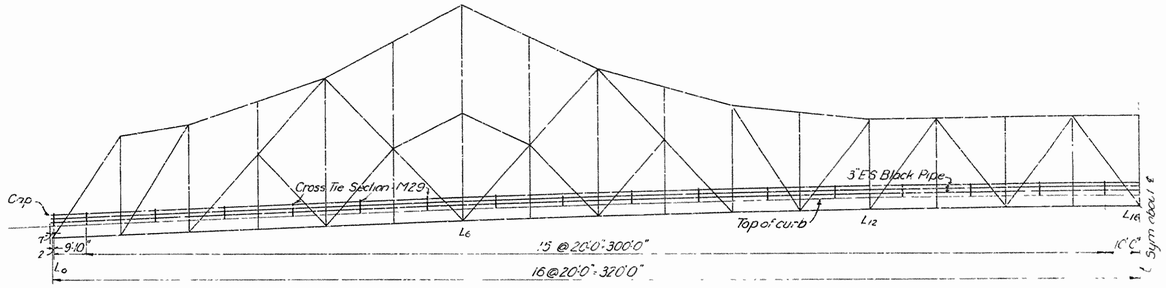
REVISED AUGUST 9, 1929

ARKANSAS STATE HIGHWAY COMMISSION
BRIDGE OVER WHITE RIVER
NEAR
AUGUSTA, ARKANSAS
REVISED
DETAILS OF PIERS

MADE BY E.B.S. + H.W.S
TRACED BY H.W.S
CHECKED BY K.F
DATE July 29, 1929 SCALE 1/4"=1'-0" SHEET NO. 10

P.A.G. HEDRICK, INC.
CONSULTING ENGINEERS
HOT SPRINGS, ARKANSAS

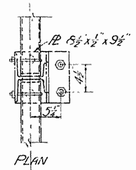
Br. No. 613 Drwg. No. 4977

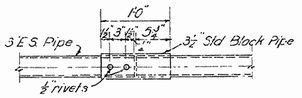


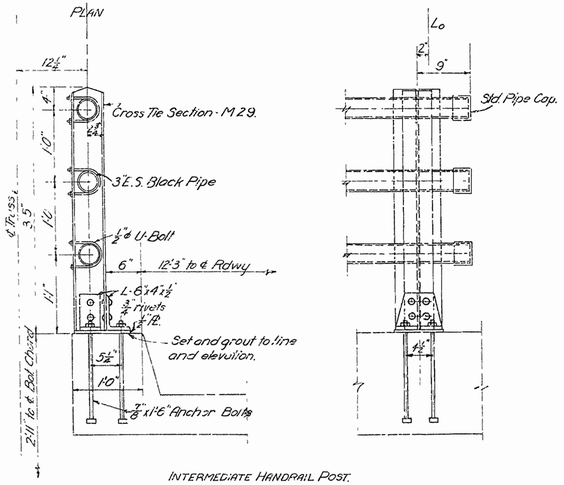
Note. Use random lengths of pipe with plain ends. Keep splices clear of all vertical posts. Cap pipe at end of structure.

ARRANGEMENT OF INTERMEDIATE HANDRAIL POSTS

Scale: 1" = 20'0"

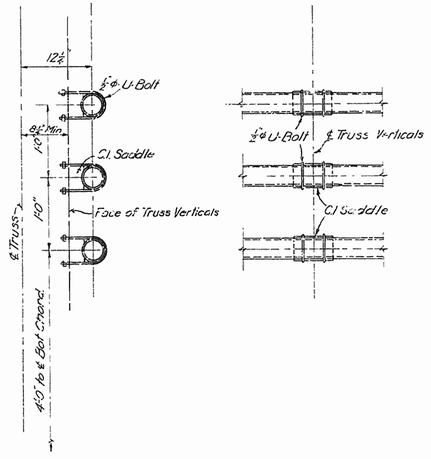






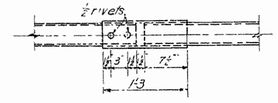
INTERMEDIATE HANDRAIL POST.

Scale: 1" = 1'0"



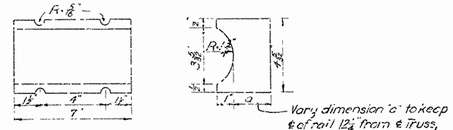
HANDRAIL DETAIL AT ALL TRUSS VERTICALS

Scale: 1" = 1'0"



SPLICE "A"

Note. To be used only in Panel L_0-L_2 adjoining rocker end of Suspended Span. Splice all pipe in this panel.



Cl. SADDLE

Scale: 3" = 1'0"

ARKANSAS STATE HIGHWAY COMMISSION

BRIDGES OVER WHITE RIVER

NEAR

AUGUSTA & NEWPORT, ARKANSAS

HANDRAIL DETAILS

MADE BY: E.S.
TRACED BY: E.S.
CHECKED BY: K.F.
DATE: Oct 22 1929

IRA G. HEDRICK, INC.,
CONSULTING ENGINEERS,
HOT SPRINGS, ARKANSAS

SCALE: As shown

SHEET NO 11

BR. NO. 61

DRWG. NO. 4978

To State Route No. 16

Toe of Slope

Sta 8+21.4

Slope Stake

Shoulder Line

Shoulder Line

Toe of Slope

DETAIL OF RAMP
Sta 8+21.4

Δ 45°20' Rt.
D 3°no'
T 877.1
L 1544.3
R 1910.0

Woods

Woods

Woods

Woods

Open Land Ridge

Open Land Ridge

R/W.

R/W.

S 82°20' E.

N 48°20' E.

PC Sta 8+21.4

PT Sta 15+65.47

Sta 5+19, N.Y. & B.R. Imp. Proj.
= Sta 5+19 End of Toll Br. Job 111.5
= Sta 5+19 Beg. Grade Job No. 138.

Sta 5+19 to Sta 32+00 Clearing 22.038 Acres
Grubbing 13.223 Acres

Sta 5+19 to Sta 45+99
Embankment 156712 cu.yds.
Add'l Embankment 16799 cu.yds.

-4.0%

H.W. Elev 210.65

V.C. 150'

Grade Line indicates Sub-Grade
Level Datum = Mean Gulf Level.

U.S.E.B.M. Nail in Root
30" Pecan 50' Left
Sta 0-25 Elev 199.34

Bm Nail in root of
24" Hackberry 20.1 Lt.
Sta 11+00 Elev 197.43

Bm Nail in root of
18" Elm 22.0 Lt.
Sta 29+75 Elev 192.70

DRWG. No. 497-A

PLAN AND PROFILE
OF HIGHWAY AND BRIDGE IMPROVEMENT
ACROSS OVERFLOW SECTION OF WHITE RIVER BOTTOM
[redacted] WOODRUFF COUNTY U.S.R-64 S-12

PLATE 1 PLAN-PROFILE

421

FED. ROAD DIST. No.	STATE	PROJ. No.	FED. AID YEAR	SHEET No.	TOTAL SHEETS
6	ARK.	Hyd-I	1937	4	5
JOB No.		138			

Woods

Temp. or Const. Grade.

Δ 42° 04' Rt.
D 3° 00'
T 734.4'
L 1402.2'
R 1910.0'

N 48° 20' E.

Dirt Road

Pt. 45+74.8

Pt. 45+08.9

Gravel Road

Sta 51+00

Section Line

S 89° 36' E.

Bot. 59+21.6

R/W.

Woods

Sta 32+00 to Sta. 66+00 Clearing 22.568 Acres
Grubbing 13.243 Acres

Sta. 51+00 to Sta 70+00
Embankment 71660.0 cuyds.

Bridge No. 1340
Proj. ℄ Elev. 216.80
H.W. Elev. 210.65

215.00 215.00 216.30 216.30 216.90 216.10

45+89 51+00

220 210 200 190

B.M. Nail in root of 18" Sweet Gum 200' Rt. Sta. 40+90 Elev. 198.72

B.M. nail in x not a 24" Red Oak 135' Lt. Sta 59.50 Elev. 206.16

B.M. nail in root of 30" Water Oak 200' Lt. Sta 53+50 Elev. 198.68

PLAN AND PROFILE
OF HIGHWAY AND BRIDGE IMPROVEMENT
ACROSS OVERFLOW SECTION OF WHITE RIVER BOTTOM
[redacted] U.S. 12-64 [redacted] 3-12
WOODRUFF COUNTY

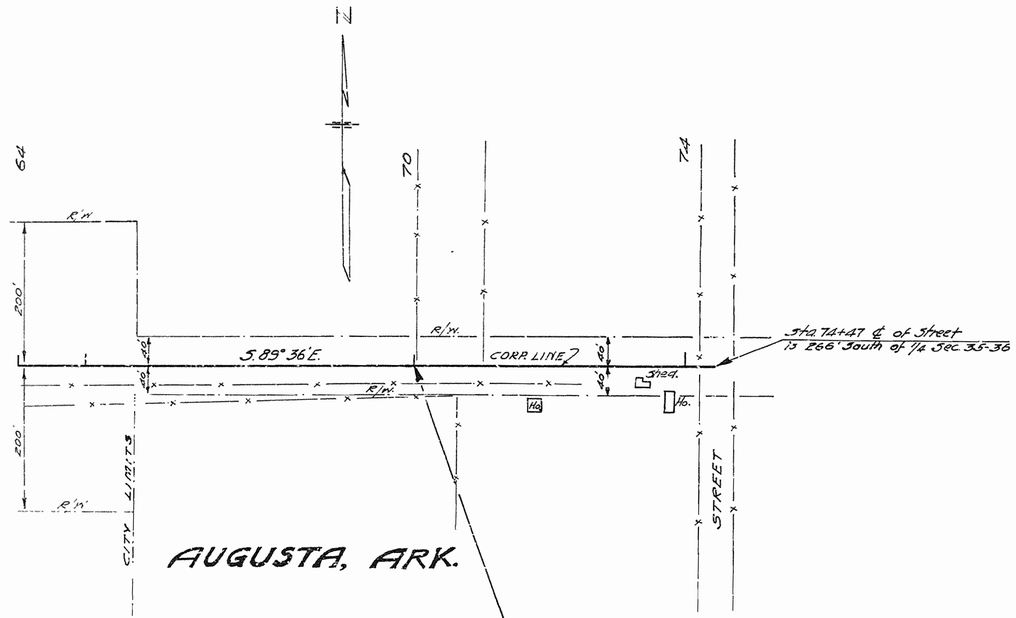
Ark. Dept.
12-17-37

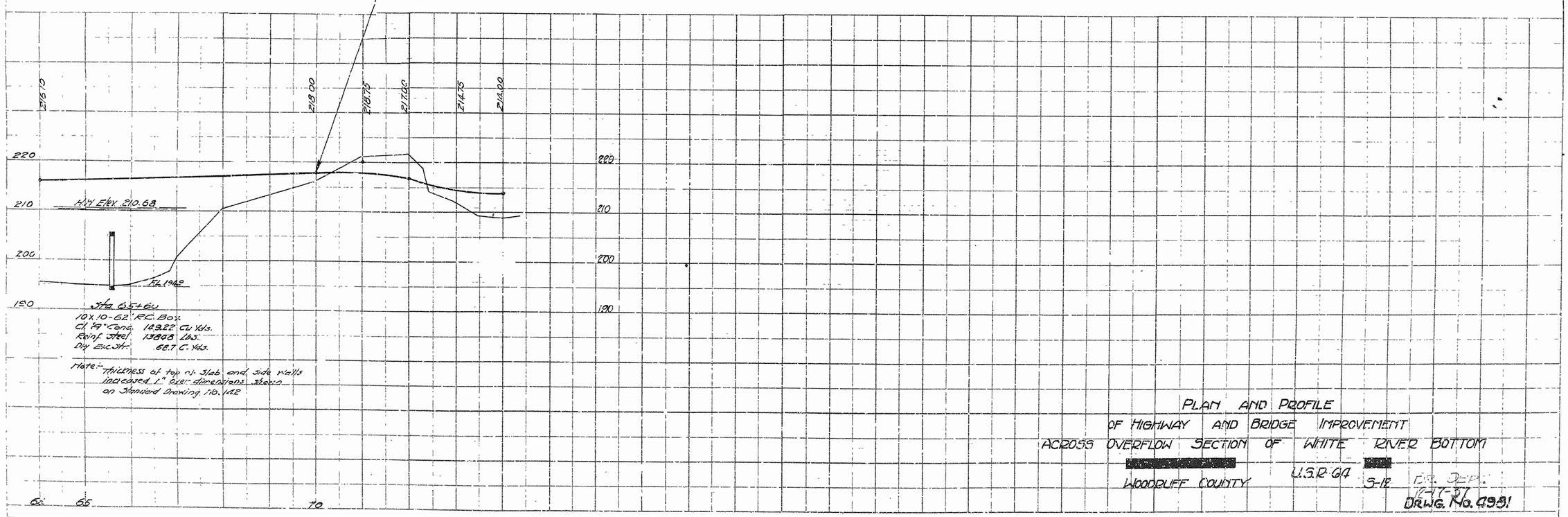
DRWG. No. 9980

PLATE 1-PLAN-PROFILE

422

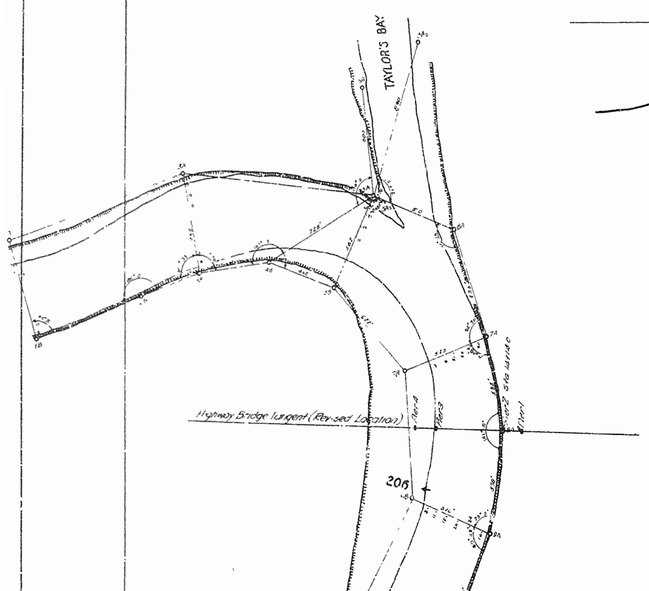
STATE	COUNTY				SHEET NO.
8	ARK.	F-551	127	5	8
JOB NO.	138				

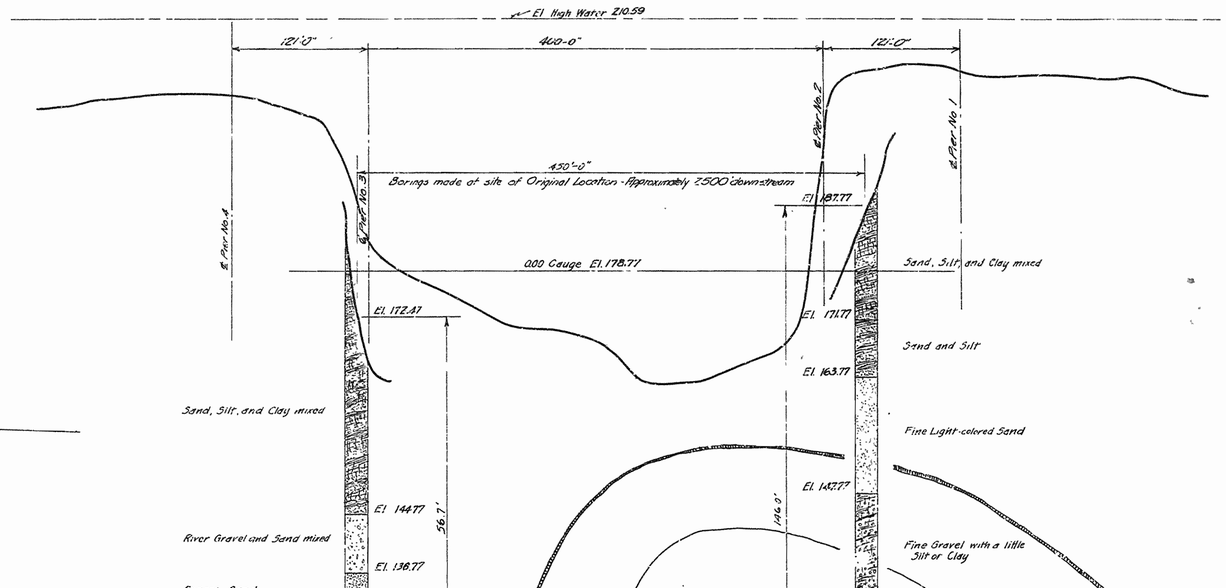




PLAN AND PROFILE
OF HIGHWAY AND BRIDGE IMPROVEMENT
ACR055 OVERFLOW SECTION OF WHITE RIVER BOTTOM
[redacted] U.S.R. 64 [redacted]
WOODRUFF COUNTY 5-12
U.S. DEPT. OF AGRICULTURE
DRWG. No. 4981

405





ARKANSAS STATE HIGHWAY COMMISSION

BRIDGE OVER WHITE RIVER AT AUGUSTA, ARKANSAS

REVISED

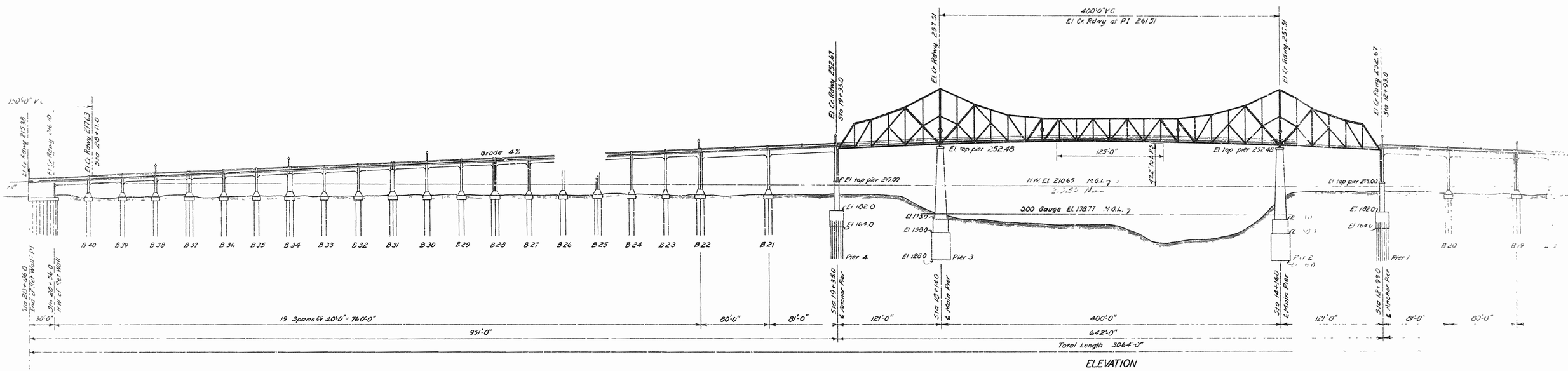
MAP OF BRIDGE SITE PROFILE OF BORINGS

MADE BY H.W.S. & J.G.M.
TRACED BY H.W.S. & J.G.M.
CHECKED BY K.F.
DATE: July 29, 1929
SCALE: As shown
SHEET NO. 2

IRA G. HEDRICK, INC.
CONSULTING ENGINEERS
HOT SPRINGS, ARKANSAS

Br. No. 613 Drwg. No. 4965

BALD KNOB



ELEVATION

PLAN