

STATE OF ARKANSAS  
STATE HIGHWAY COMMISSION

PROJ. NO.	1929	1929	1929	1929
YEAR	1929	1929	1929	1929
SHEET NO.	1	2	3	4
TOTAL SHEETS	4			

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	ARK.	37-B		1	7

INDEX OF SHEETS

Sheet No	Drawg No.	Title Sheet
"	"	1805 Title Sheet
"	"	1806 Layout Br. No. 1194
"	"	1807 Details of Existing Widening Arch
"	"	1808 Layout Brs. 1196 & 1408
"	"	1809 Details Abts. Br. No. 1196
"	"	1810 Details Br. No. 1196
"	"	1811 Superstr. " " " 30'-0" R.C.D. Girder 45° Skew
"	"	1812 Details Abts. Br. No. 1408
"	"	1002 " 30'-0" R.C.D. Girder

PLAN OF PROPOSED BRIDGES  
ON  
SPRINGDALE NORTH & SOUTH ROAD  
WASHINGTON COUNTY

QUANTITIES

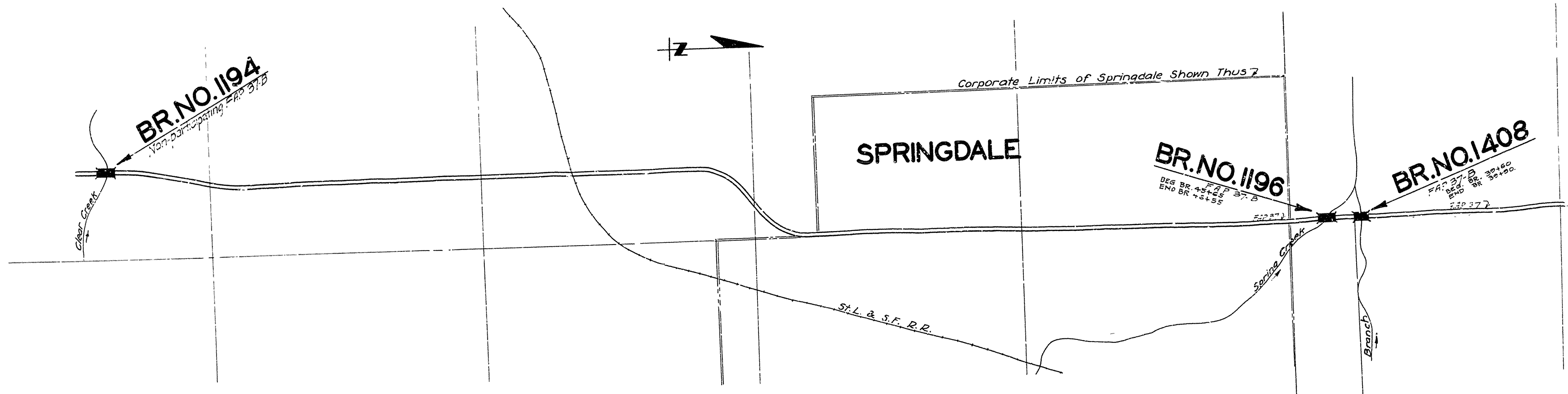
Item 12*	Common Excavation	2352 Cu. Yds.
" 13	Dry Excavation	2060 - 504 " "
" 13	Wet Excavation	00 - 918 " "
" 13	Rock Excavation	44.0 - 75 " "
" 54	Class "A" Concrete	3000 - 416.92 " "
" 54	Class "S" Concrete	106.03 - 103.03 " "
" 55	Reinforcing Steel	61,058 - 64,958 Lbs.
" 74	Concrete Railing	287 - 523.5 Lin Ft.
" 82	Earth Fill in Arches	200 Cu. Yds.
" 82	Removal of Handrail & Walls	Complete

\* Item non-participating FAP 37-B.

ROUTE 71 SEC. 17

JOB NO 4120

EMERGENCY FINANCIAL FEDERAL AID PROJECT NO 37-B



Specifications approved by Chief, Bureau of Public Roads, September 28, 1925, and adopted by State Highway Commission May 30, 1925, with revisions and special provisions as follows:

Commission May 30th, 1925 apply with subsequent revisions and special provisions noted apply to this project.

Pamphlet	Revised	Date	Approved	Date	Item	No. of Sheets
A	B	Sept. 1st, 1928	Approved	June 1, 1929		
D	Revised	July 1st, 1928		Nov 24, 1929	Earth Fill in Arches	1
E					Removal of Railing and Walls	1
H	Revised	Oct. 1st, 1928		May 30, 1925		
I		May 30, 1925		June 1, 1929		
J	Revised	Jan. 1st, 1929		May 30, 1925		
K		May 30, 1925		June 1, 1929		
L	Revised	Jan. 1st, 1929		June 1, 1929		

SPECIAL PROVISIONS

LAYOUT

Scale: 1"=1000'  
 JOB - 4120  
 LENGTH OF PROJECT = 314'-0"  
 LENGTH OF BRIDGES = 229'-0"  
 LENGTH OF EMBANKMENT = 85'-0"  
 E.F.F.A.R. NO. 37-B  
 GROSS LENGTH OF PROJECT = 120 FT., 0.022 MI.  
 NET LENGTH OF PROJECT = 120 FT., 0.022 MI.

5-21-32 for FAP 37-B, 4120

APPROVED  
[Signature]  
Chairman, State Highway Commission

APPROVED  
[Signature]  
State Highway Engineer

RECOMMENDED FOR APPROVAL  
[Signature]  
District Engineer, U.S. Bureau of Public Roads

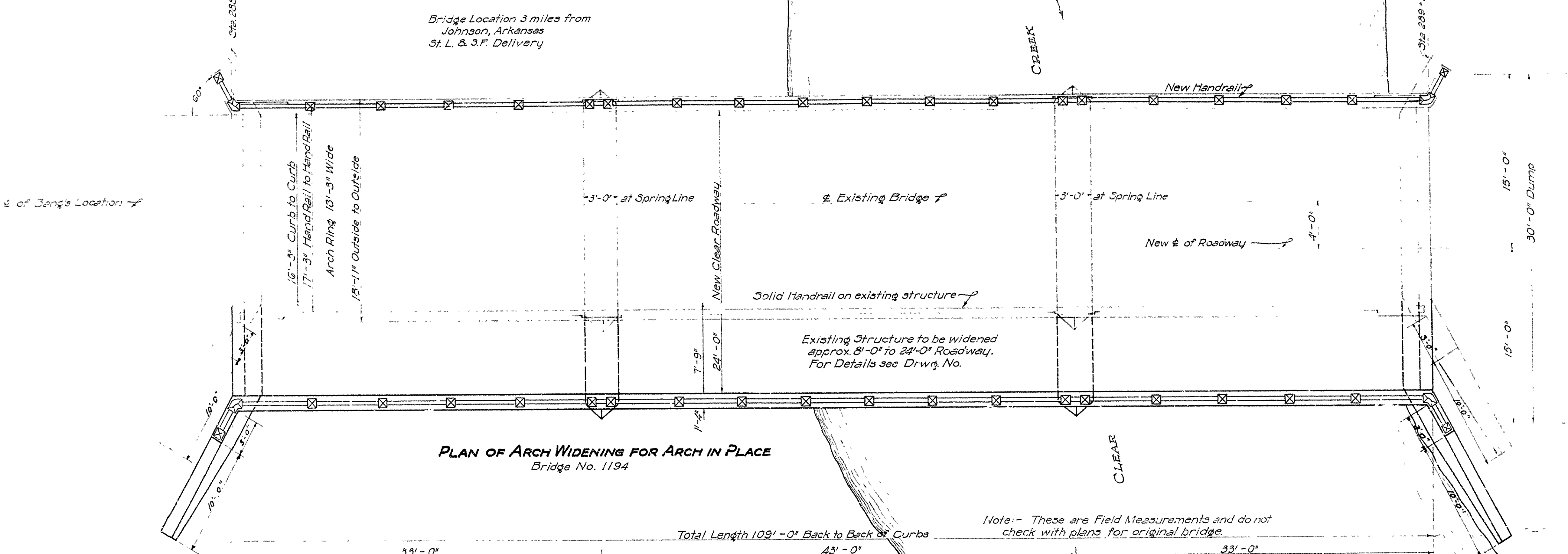
RECOMMENDED FOR APPROVAL  
[Signature]  
Chief Engr., U.S. Bureau of Public Roads

APPROVED  
[Signature]  
Director, U.S. Bureau of Public Roads

M. R. Gann  
BRIDGE ENGINEER

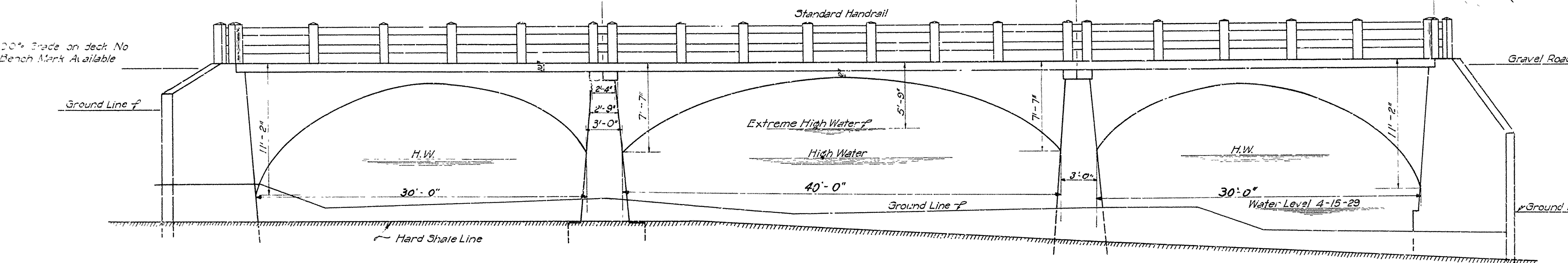
BRIDGES NO. 1196-1408-1194 DRAWING NO. 1805

FISCAL YEAR	Job No.	SHEET No.	TOTAL SHEETS
1929	4120	2	9



**PLAN OF ARCH WIDENING FOR ARCH IN PLACE**  
Bridge No. 1194

Note: - These are Field Measurements and do not check with plans for original bridge.



**ELEVATION OF ARCH IN PLACE**  
**SHOWING NEW HANDRAIL**  
Scale 1" = 5'-0"

**NOTE -**  
Work under this contract in general, shall include the following:-  
**PART I.** Removal of Concrete Handrail on both sides of Roadway, cutting down the spandrel wall on one side of roadway, removal of wing walls at each end on one side of roadway, and drilling and setting dowels into existing structure as shown on Detail Plans.  
**PART II.** Construction of additional 8'-0" width of Concrete Arch Bridge, conforming in general to existing structure, including construction of new wingwalls on each end on one side of roadway, spandrel wall on one side of roadway and new handrails on both sides of roadway.  
For details of work see Drwg. No.

Note: - Plan and Elevation drawn from field sketch and does not compare exactly with plans for original bridge.

Note: - All excavation, Class A Concrete, Reinforcing steel and Handrail to be paid for at the unit price bid for these items.  
Existing structure to be widened is within Bridge Exception, Sta. 288+90.3 to Sta. 289+99.3

For details of Widening Arch see Drawing No.

**QUANTITIES**

Item No.	Item	Quantity
13	Dry Excavation	27 cu.yds.
13	Wet Excavation	" "
12	Rock Excavation	" "
54	Class A Concrete	362 cu.yds.
55	Reinf. Steel	2500 lbs.
74	Conc. Handrail	132 lin.ft.
	Earth Fill	200 cu.yds.

**LAY OUT FOR BRIDGE WIDENING**  
**AT STA. 288+90.3 TO 289+99.3**  
OVER CLEAR CREEK  
IN WASHINGTON COUNTY

ROUTE 71 SEC. 17  
**ARKANSAS STATE HIGHWAY DEPARTMENT**  
LITTLE ROCK, ARK.

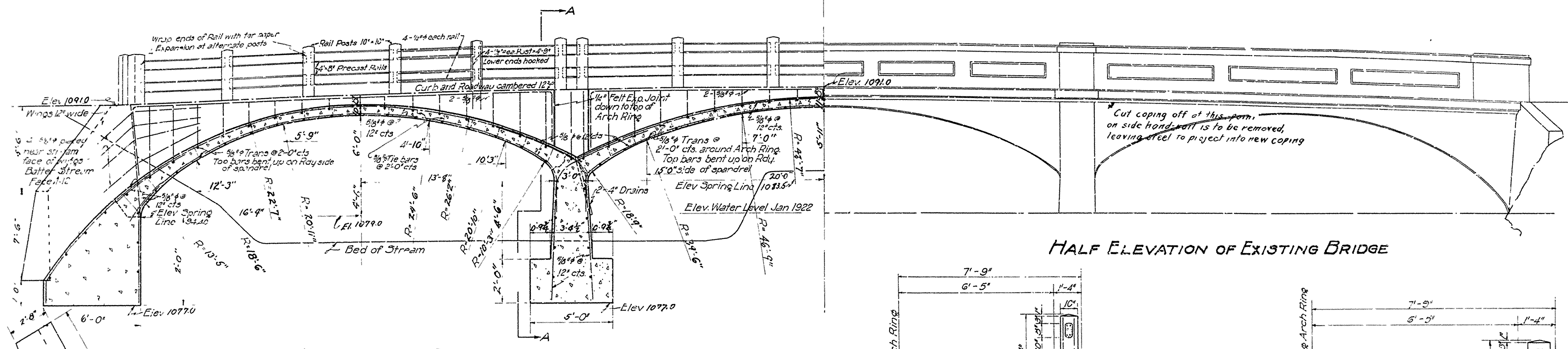
Drawn By: \_\_\_\_\_ Date: \_\_\_\_\_  
Traced By: \_\_\_\_\_ Date: \_\_\_\_\_  
Checked By: \_\_\_\_\_ Date: \_\_\_\_\_  
**BRIDGE NO. 1194** Scale: 1 in. = 5 ft.  
**DRAWING NO. 1306**

M.B. GUNTER  
BRIDGE ENGINEER

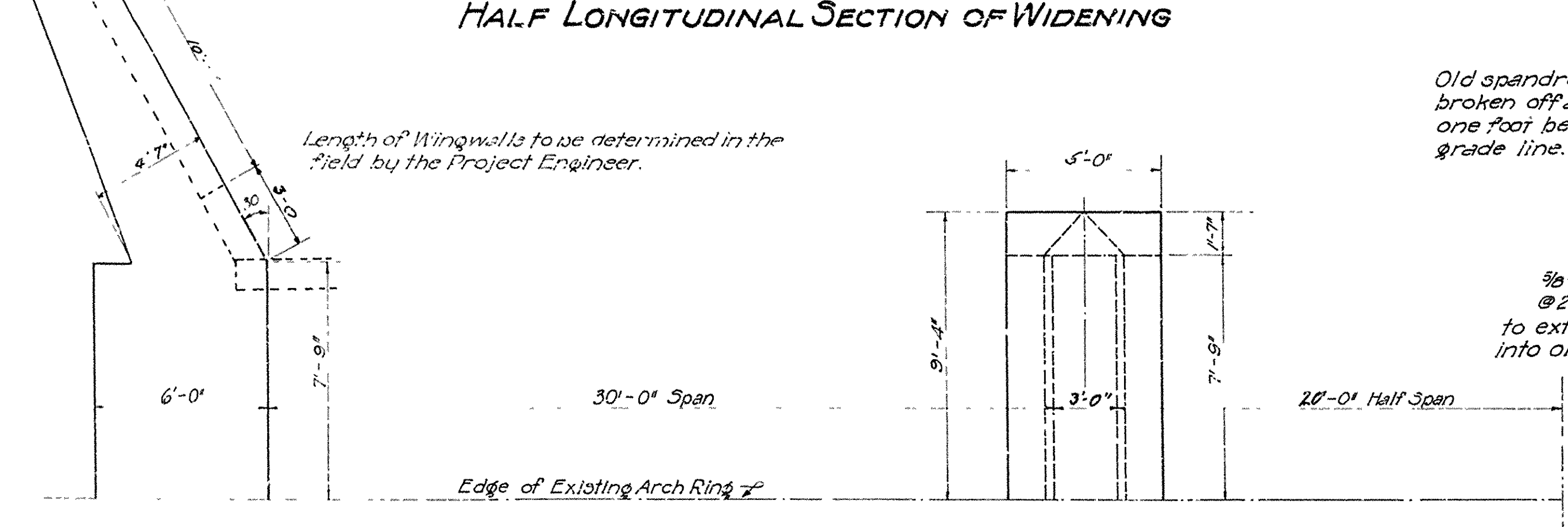


FISCAL YEAR	Job No.	SHEET No.	TOTAL SHEETS
1929	4120	3	9

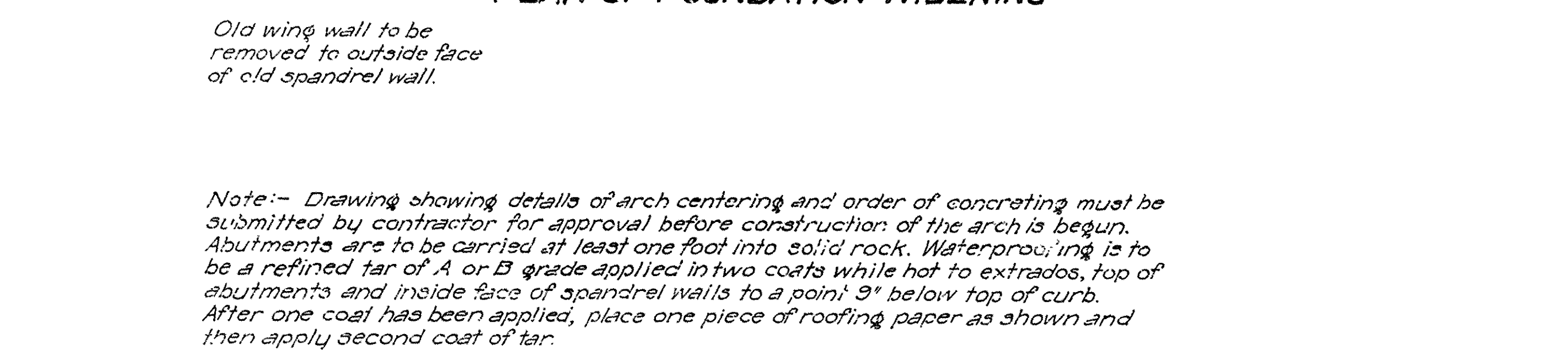
Note:— Handrail Posts to be spaced by Engineer using an odd number of spaces with a maximum spacing of not more than 6'-0".



HALF ELEVATION OF EXISTING BRIDGE



HALF LONGITUDINAL SECTION OF WIDENING

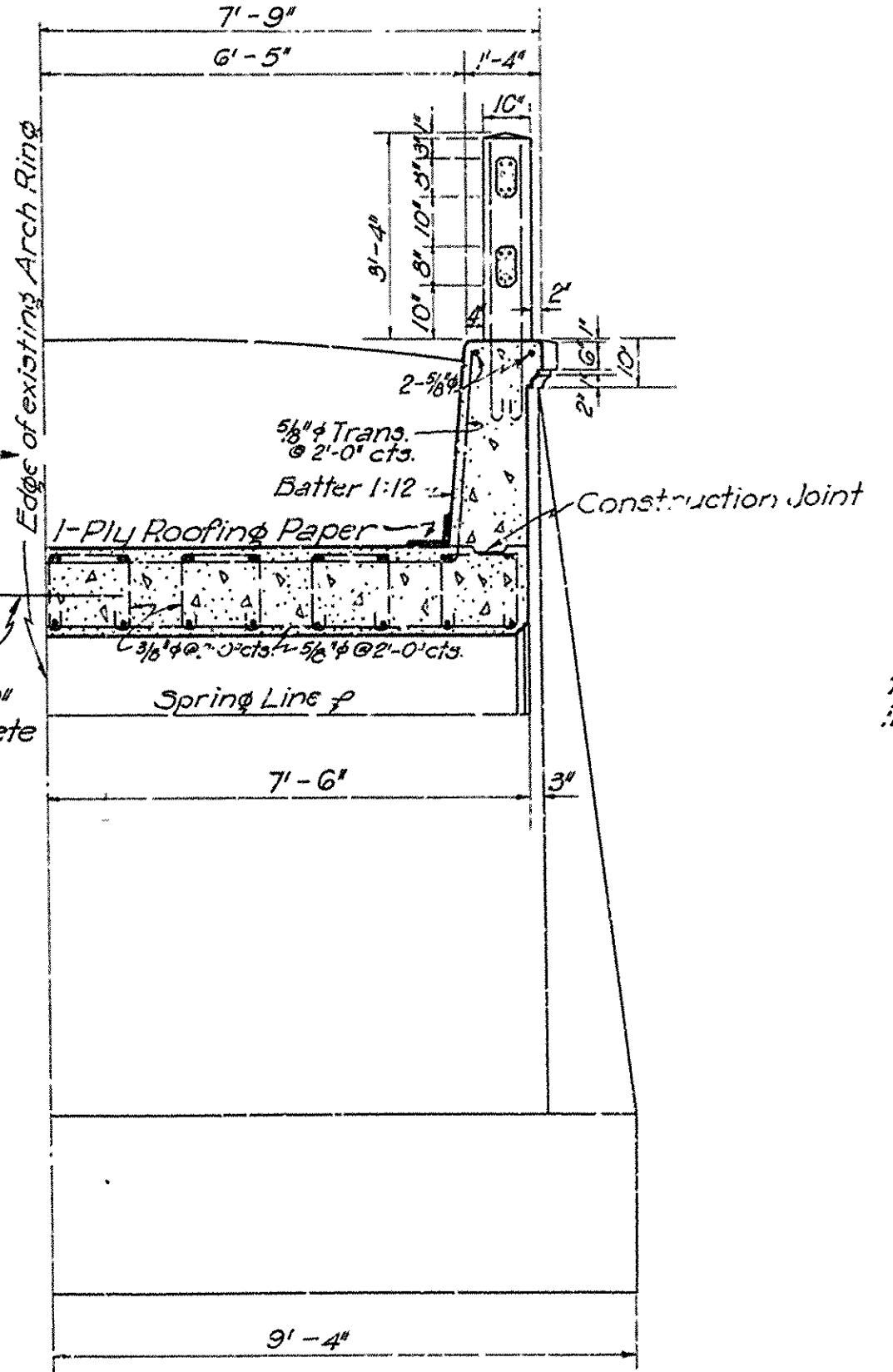


PLAN OF FOUNDATION WIDENING

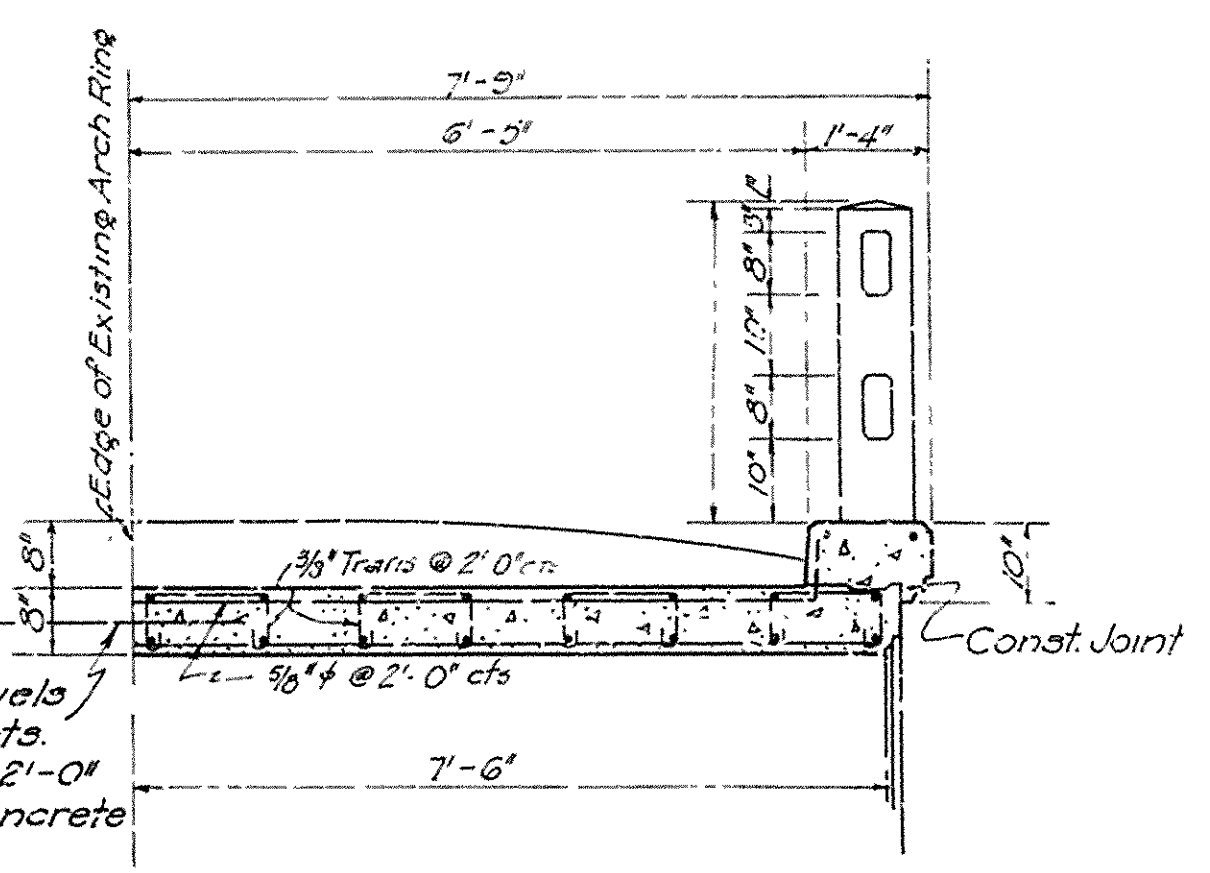
Old wing wall to be removed to outside face of old spandrel wall.

Note:— Drawing showing details of arch centering and order of concreting must be submitted by contractor for approval before construction of the arch is begun. Abutments are to be carried at least one foot into solid rock. Waterproofing is to be a refined tar of A or B grade applied in two coats while hot to extrados, top of abutments and inside face of spandrel walls to a point 9" below top of curb. After one coat has been applied, place one piece of roofing paper as shown and then apply second coat of tar.

Old spandrel to be broken off at least one foot below grade line.



HALF SECTION A-A



HALF CROSS SECTION AT CROWN

GENERAL NOTES:—

All exposed corners to have 1/4" chamfer unless otherwise noted.  
 Concrete Handrail to be Class 'D' Concrete.  
 Reinforcing Steel to be deformed bars of structural or intermediate grade.  
 Shop lists and bending diagrams must be submitted by Contractor before fabrication is begun.  
 Drains and waterproofing to be included in the unit price bid for Reinf. Steel.  
 All concrete except Handrail to be Class 'A'.  
 All concrete to be poured in the dry.  
 Specifications: Arkansas Standard Road and Bridge Specifications, Adopted May 30, 1925 and Revised.

DETAILS OF WIDENING FOR EXISTING ARCH SPAN FOR BRIDGE AT STA. 288+803 TO 289+993 OVER CLEAR CREEK IN WASHINGTON COUNTY

ROUTE 71 SEC.17  
 ARKANSAS STATE HIGHWAY DEPARTMENT  
 LITTLE ROCK, ARK.  
 Drawn By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Traced By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Checked By: \_\_\_\_\_ Date: \_\_\_\_\_  
 BRIDGE NO. 1194 DRAWING NO. 1807

Gen. Revisions F.P.B. 3-27-30