

STATE OF INDIANA  
 STATE HIGHWAY COMMISSION  
 BUREAU OF BRIDGES

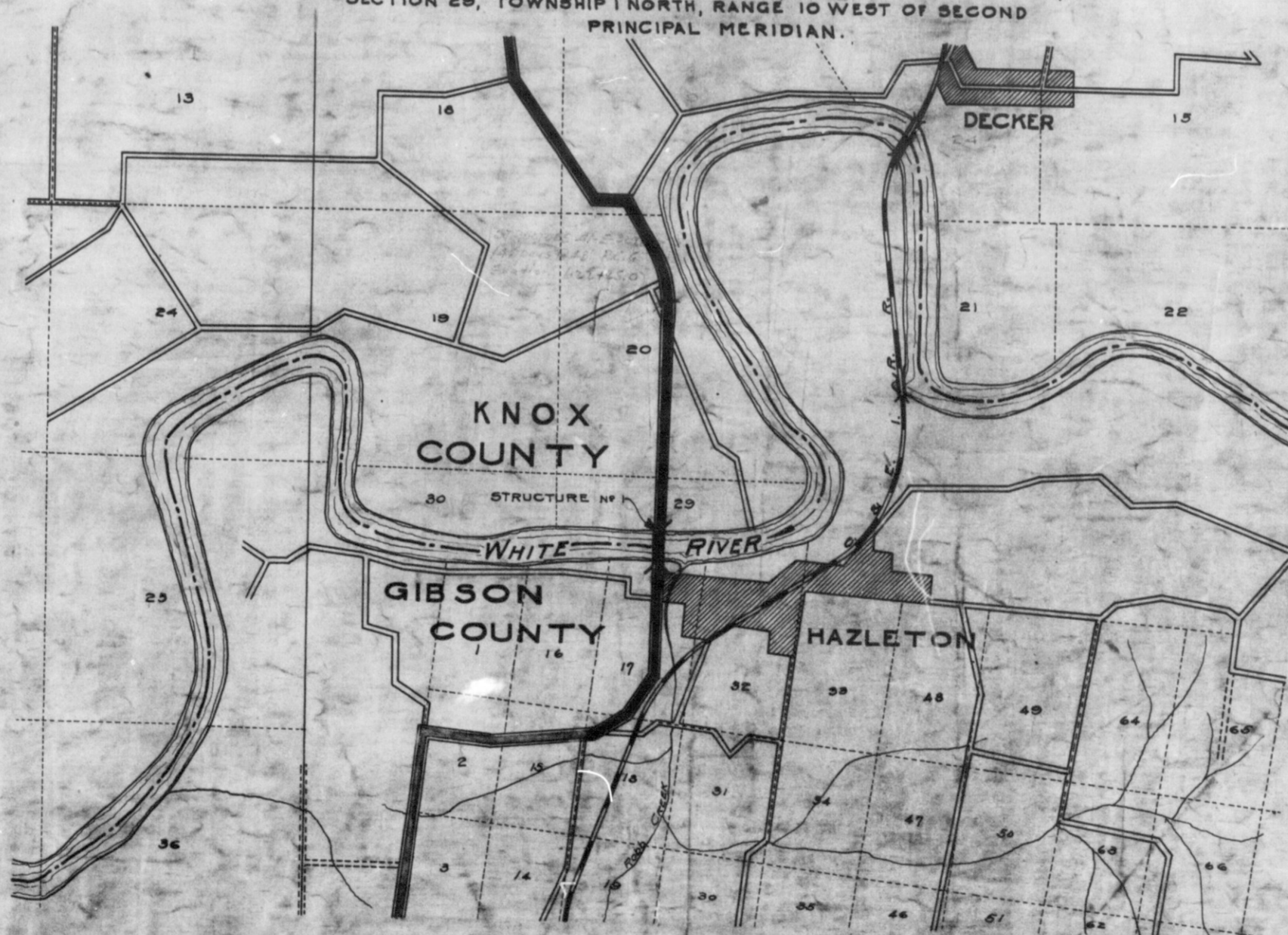
PLANS FOR BRIDGES OVER 20 FEET SPAN  
 FOR PROPOSED

STATE HIGHWAY  
 FEDERAL AID PROJECT NO. 29

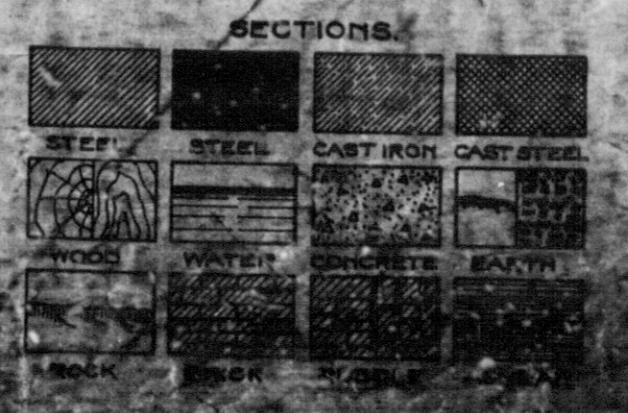
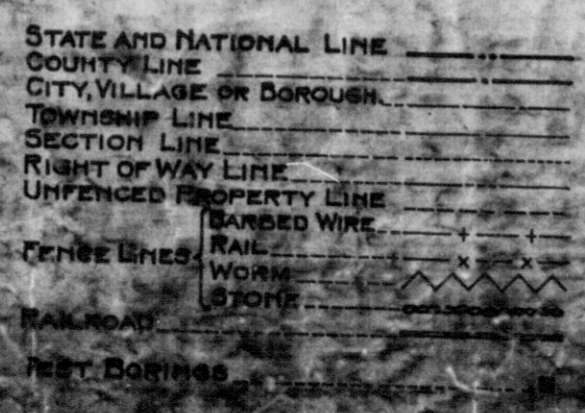
LOCATION OF STRUCTURE NO. 1 - ON DIXIE BEE LINE ROAD,  
 FROM GIBSON COUNTY, MILITIA DONATION #17, TO KNOX COUNTY,  
 SECTION 29, TOWNSHIP 1 NORTH, RANGE 10 WEST OF SECOND  
 PRINCIPAL MERIDIAN.

| BRIDGES OVER 20 |       |         |          |
|-----------------|-------|---------|----------|
| NO.             | STATE | SECTION | TOWNSHIP |
| 1               | IND.  | 29      | 1        |
| SECTION         |       |         |          |

| SHEET NUMBER |     | STRUCTURE   |          |             |           | DRAWING NUMBER | SUBJECT                    |
|--------------|-----|-------------|----------|-------------|-----------|----------------|----------------------------|
| SECTION      | NO. | TYPE        | SPAN     | OVER        | STATION   |                |                            |
| 1            |     | Steel Truss | 24 Spans | White River | 582+77.42 | 31             | Title & Index Sheet        |
| 2            |     |             |          |             | "         | 32             | General Layout             |
| 3            |     |             |          |             | "         | 33             | General Plan               |
| 4            |     |             |          |             | 574+00.84 | 34             | South Abutment             |
| 5            |     |             |          |             | "         | 35             | South Abutment             |
| 6            |     |             |          |             | 582+70    | 36             | Piers No. 1 & 16.2         |
| 7            |     |             |          |             | 572+70    | 37             | Piers No. 3, 4, 5 & 9      |
| 8            |     |             |          |             | 582+55.55 | 38             | Piers No. 7 & 8            |
| 9            |     |             |          |             | 582+52.17 | 39             | Concrete Girder Approach   |
| 10           |     |             |          |             | 582+48.07 | 40             | Concrete Girder Approach   |
| 11           |     |             |          |             | 582+51.17 | 41             | Concrete Girder Approach   |
| 12           |     |             |          |             | "         | 42             | North Abutment             |
| 13           |     |             |          |             | 572+70    | 43             | North Abutment             |
| 14           |     |             |          |             | "         | 44             | Truss Sheet 18x20 Truss    |
| 15           |     |             |          |             | "         | 45             | Superstructure 18x20 "     |
| 16           |     |             |          |             | "         | 46             | Superstructure 18x20 "     |
| 17           |     |             |          |             | "         | 47             | Details 18x20 Truss        |
| 18           |     |             |          |             | "         | 48             | Handrail 18x20 Truss       |
| 19           |     |             |          |             | "         | 49             | Truss Details 8x10 Truss   |
| 20           |     |             |          |             | "         | 50             | Truss Details 8x10 "       |
| 21           |     |             |          |             | "         | 51             | Floor Details Steel Spans  |
| 22           |     |             |          |             | 582+77.42 | 52             | Bill of Material           |
| 23           |     |             |          |             | 572+70    | 53             | Bending Diagram - Bars     |
| 24           |     |             |          |             | 582+77.42 | 54             | Standard Box Culverts      |
| 25           |     |             |          |             | 537+50    | 55             | Standard C/L in 8'10" Span |
| 26           |     |             |          |             | "         | 56             | Rd. Profile Sta 530 to 540 |
| 27           |     |             |          |             | "         | 57             | " " " 540 " 572            |
| 28           |     |             |          |             | "         | 58             | " " " 572 " 602            |
| 29           |     |             |          |             | "         | 59             | " " " 602 " 632            |
| 30           |     |             |          |             | "         | 60             | " " " 632 " 662            |
| 31           |     |             |          |             | "         | 61             | " " " 662 " 692            |
| 32           |     |             |          |             | "         | 62             | " " " 692 " 722            |
| 33           |     |             |          |             | "         | 63             | " " " 722 " 752            |
| 34           |     |             |          |             | "         | 64             | " " " 752 " 782            |
| 35           |     |             |          |             | "         | 65             | " " " 782 " 812            |
| 36           |     |             |          |             | "         | 66             | " " " 812 " 842            |
| 37           |     |             |          |             | "         | 67             | " " " 842 " 872            |
| 38           |     |             |          |             | "         | 68             | " " " 872 " 902            |
| 39           |     |             |          |             | "         | 69             | " " " 902 " 932            |
| 40           |     |             |          |             | "         | 70             | " " " 932 " 962            |
| 41           |     |             |          |             | "         | 71             | " " " 962 " 992            |
| 42           |     |             |          |             | "         | 72             | " " " 992 " 1022           |
| 43           |     |             |          |             | "         | 73             | " " " 1022 " 1052          |
| 44           |     |             |          |             | "         | 74             | " " " 1052 " 1082          |
| 45           |     |             |          |             | "         | 75             | " " " 1082 " 1112          |
| 46           |     |             |          |             | "         | 76             | " " " 1112 " 1142          |
| 47           |     |             |          |             | "         | 77             | " " " 1142 " 1172          |
| 48           |     |             |          |             | "         | 78             | " " " 1172 " 1202          |
| 49           |     |             |          |             | "         | 79             | " " " 1202 " 1232          |
| 50           |     |             |          |             | "         | 80             | " " " 1232 " 1262          |
| 51           |     |             |          |             | "         | 81             | " " " 1262 " 1292          |
| 52           |     |             |          |             | "         | 82             | " " " 1292 " 1322          |
| 53           |     |             |          |             | "         | 83             | " " " 1322 " 1352          |
| 54           |     |             |          |             | "         | 84             | " " " 1352 " 1382          |
| 55           |     |             |          |             | "         | 85             | " " " 1382 " 1412          |
| 56           |     |             |          |             | "         | 86             | " " " 1412 " 1442          |
| 57           |     |             |          |             | "         | 87             | " " " 1442 " 1472          |
| 58           |     |             |          |             | "         | 88             | " " " 1472 " 1502          |
| 59           |     |             |          |             | "         | 89             | " " " 1502 " 1532          |
| 60           |     |             |          |             | "         | 90             | " " " 1532 " 1562          |
| 61           |     |             |          |             | "         | 91             | " " " 1562 " 1592          |
| 62           |     |             |          |             | "         | 92             | " " " 1592 " 1622          |
| 63           |     |             |          |             | "         | 93             | " " " 1622 " 1652          |
| 64           |     |             |          |             | "         | 94             | " " " 1652 " 1682          |
| 65           |     |             |          |             | "         | 95             | " " " 1682 " 1712          |
| 66           |     |             |          |             | "         | 96             | " " " 1712 " 1742          |
| 67           |     |             |          |             | "         | 97             | " " " 1742 " 1772          |
| 68           |     |             |          |             | "         | 98             | " " " 1772 " 1802          |
| 69           |     |             |          |             | "         | 99             | " " " 1802 " 1832          |
| 70           |     |             |          |             | "         | 100            | " " " 1832 " 1862          |



INDIANA STATE HIGHWAY STANDARD BRIDGE SPECIFICATIONS, 1922, ON FILE WITH U. S. BUREAU OF PUBLIC ROADS, TO BE USED WITH THESE PLANS.



APPROVED 2-1-24 DATE  
 Lawrence D. ...  
 DIRECTOR, Indiana State Highway Commission

APPROVED 2-1-24 DATE  
 ...  
 CHIEF ENGINEER, Indiana State Highway Commission

RECOMMENDED FOR APPROVAL

DISTRICT ENGINEER, ...

RECOMMENDED FOR APPROVAL

CHIEF ENGINEER, ...

BRIDGES OVER 40 SPAN

| NO. | DATE | SPAN | TYPE |
|-----|------|------|------|
| 1   | IND. | 42   | 1892 |

SECTION

To Chicago

DECKER

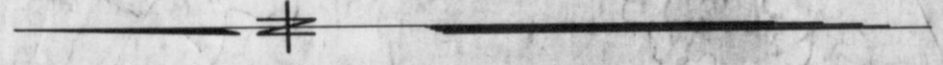
KNOX CO.

GIBSON CO.

WHITE RIVER

C. & E. I. washed out 1897 and 1913 50 to 62  
Br. 2477 built after 1913

Photographs taken here.



Overflow in high water.

HAZLETON

GENERAL LAYOUT  
STEEL TRUSS BRIDGE

28 SPANS - 40 TO 100' OVER WHITE RIVER  
30' ROADWAY ON STATE ROAD NO. 1

INDIANA STATE HIGHWAY COMMISSION  
GIBSON COUNTY

SCALE - 1" = 400'

RECOMMENDED BY APPROVAL

PROJECT - P.A. 10123

DATE - 11-22-23

BY - [Signature]

CHECKED BY - [Signature]

DATE - 11-22-23

BY - [Signature]

CHECKED BY - [Signature]

DATE - 11-22-23

BY - [Signature]

CHECKED BY - [Signature]

DATE - 11-22-23

DESIGNED BY C.W.D.  
DRAWN BY J.E. [Signature]  
TRACED BY J.E. [Signature]

Notes on BR 22646



Dicksburg Hill

J.D. Gibson

Mrs. S. Cunningham

J.W. Manning

Str. C

Str. B

A.B. DePriest

Proposed Bridge

A.B. DePriest

Ferry

Photographs taken here.

HAZLETON

Photographs taken here.

Photographs taken here.

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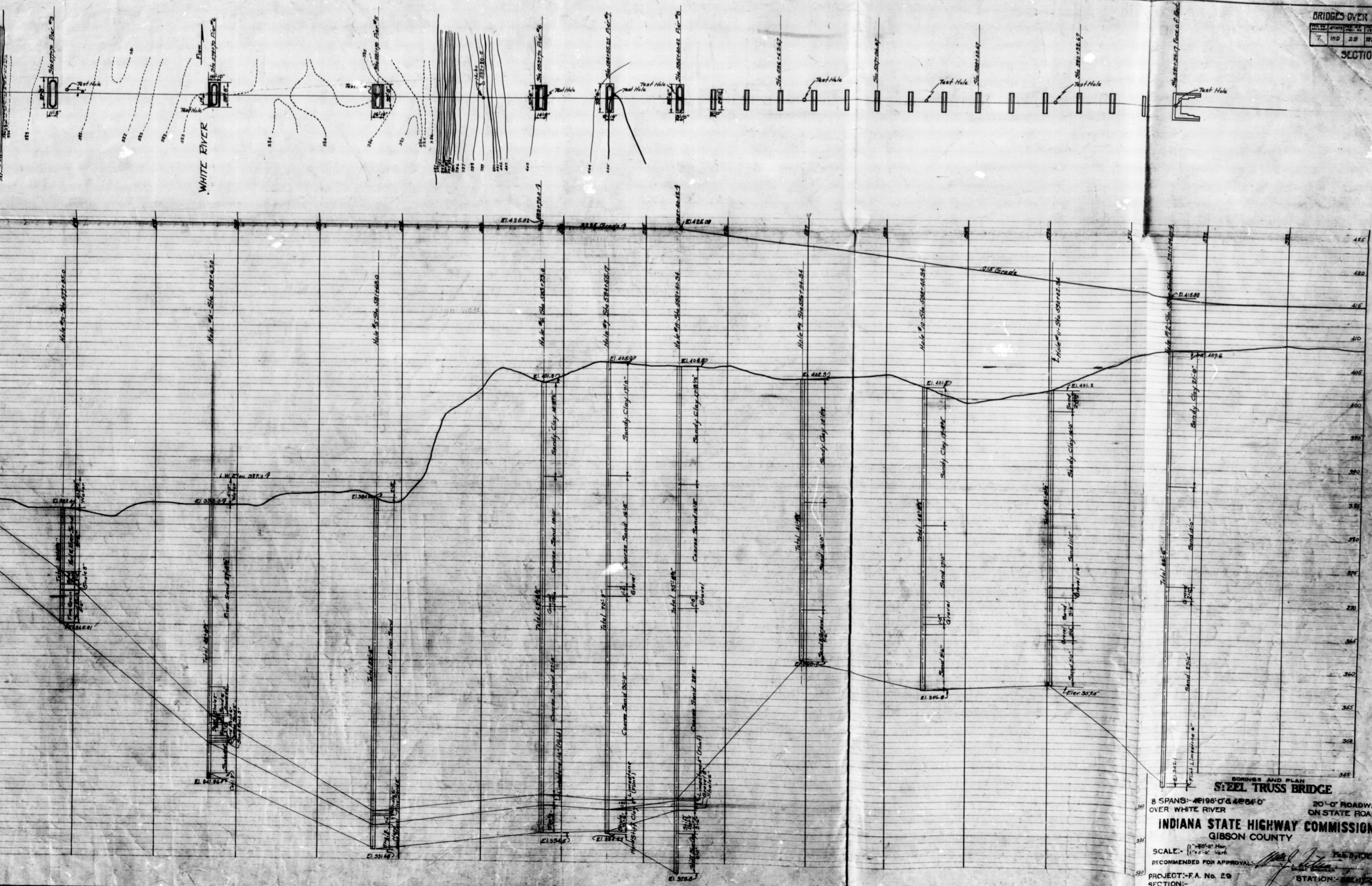
Photographs taken here.

Photographs taken here.

WHITE RIVER

| BRIDGES OVER 20' SPAN |      |        |       |        |        |
|-----------------------|------|--------|-------|--------|--------|
| STATE                 | SPAN | NO. OF | TYPE  | NO. OF | NO. OF |
| NO.                   |      | SPAN   |       | SPAN   | SPAN   |
| 7                     | IND  | 29     | TRUSS | 3      | 48     |

SECTION

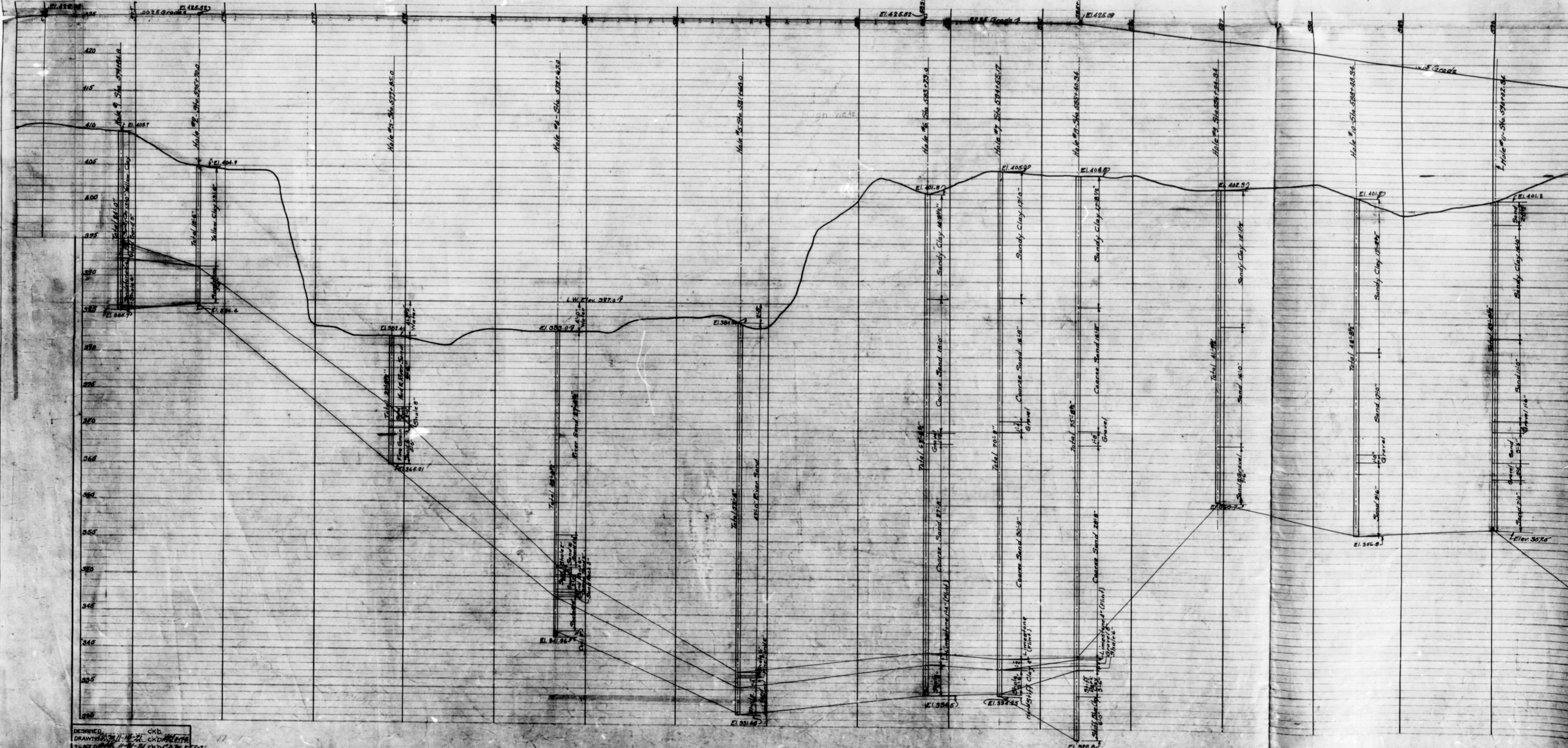
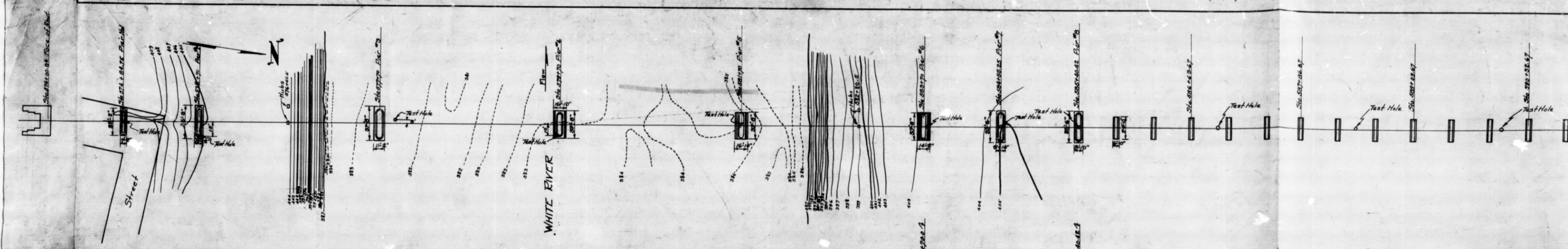


**BORINGS AND PLAN  
STEEL TRUSS BRIDGE**

8 SPANS: 4x198'-0" & 4x204'-0"  
OVER WHITE RIVER  
20'-0" ROADWAY  
ON STATE ROAD 10-D  
**INDIANA STATE HIGHWAY COMMISSION**  
GIBSON COUNTY

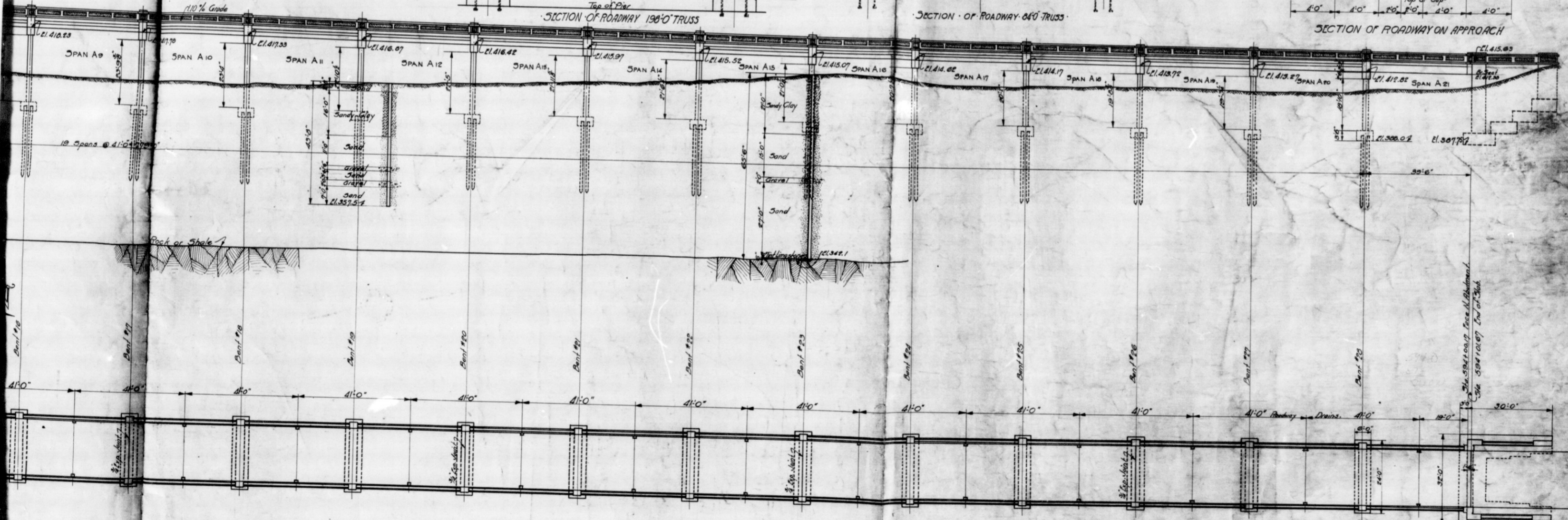
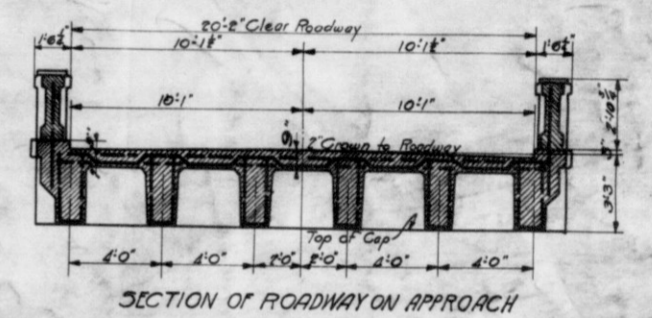
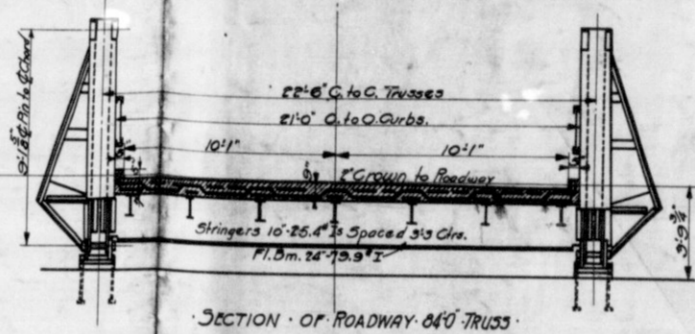
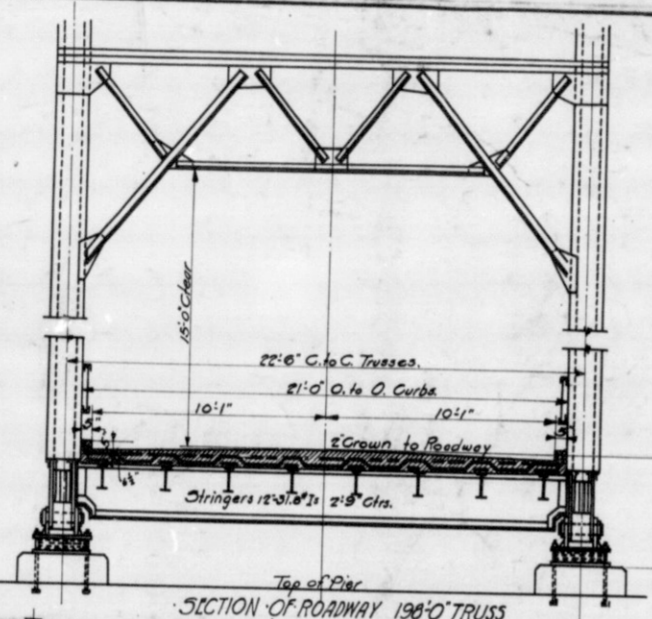
SCALE: 1" = 20'-0" Vert.  
RECOMMENDED FOR APPROVAL: [Signature]

PROJECT: F.A. No. 29  
SECTION: [Blank]  
DRAWING: 38 OF 38  
STATION: [Blank]  
STRUCTURE NO. [Blank]



DESIGNED: cxb  
 DRAWN: H. W. EL CHD  
 TRACK: H. W. EL CHD

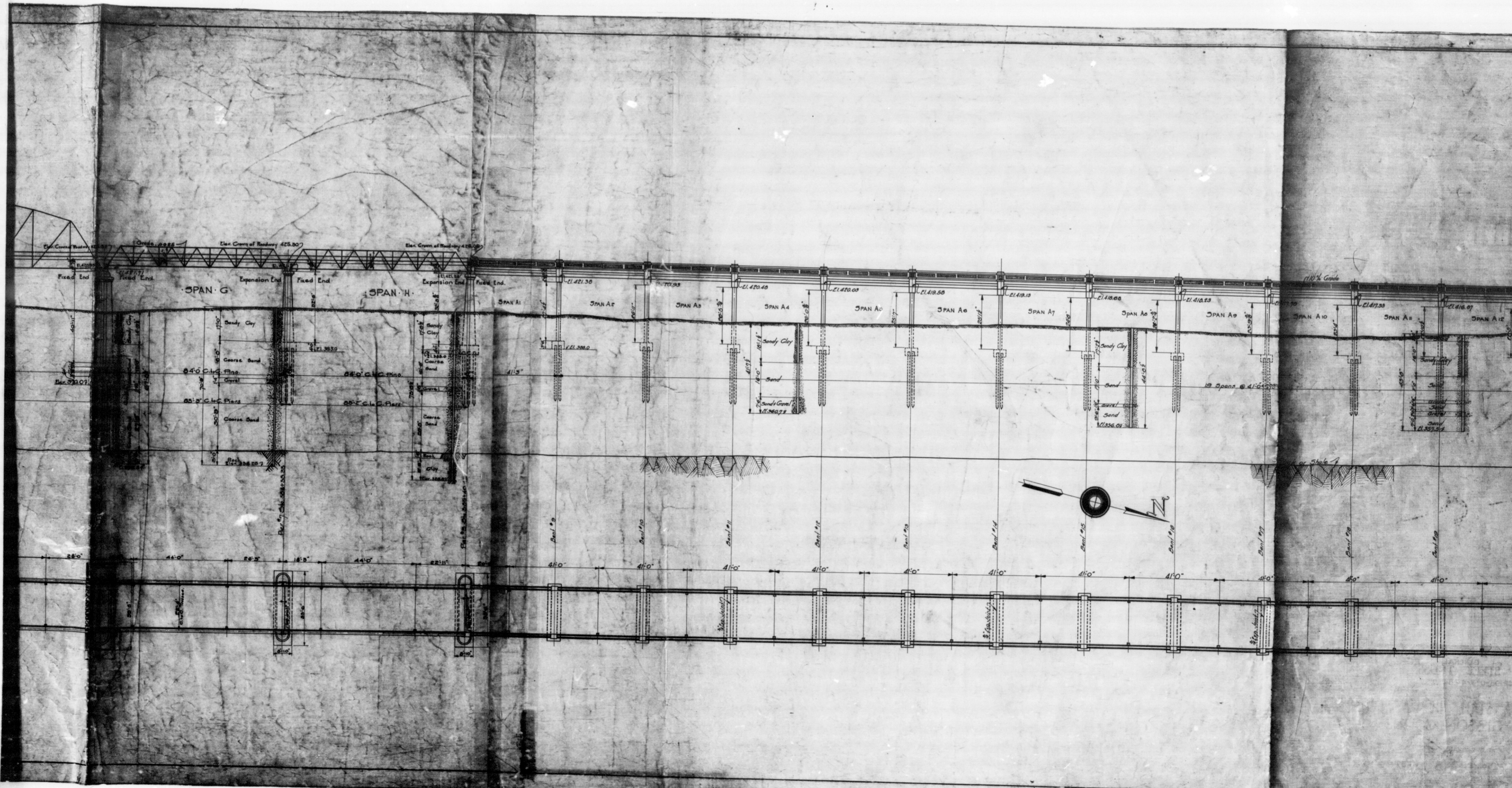
BRIDGE OVER 20' SPAN  
 SHEET NO. 7 IN 29 SET 4 43

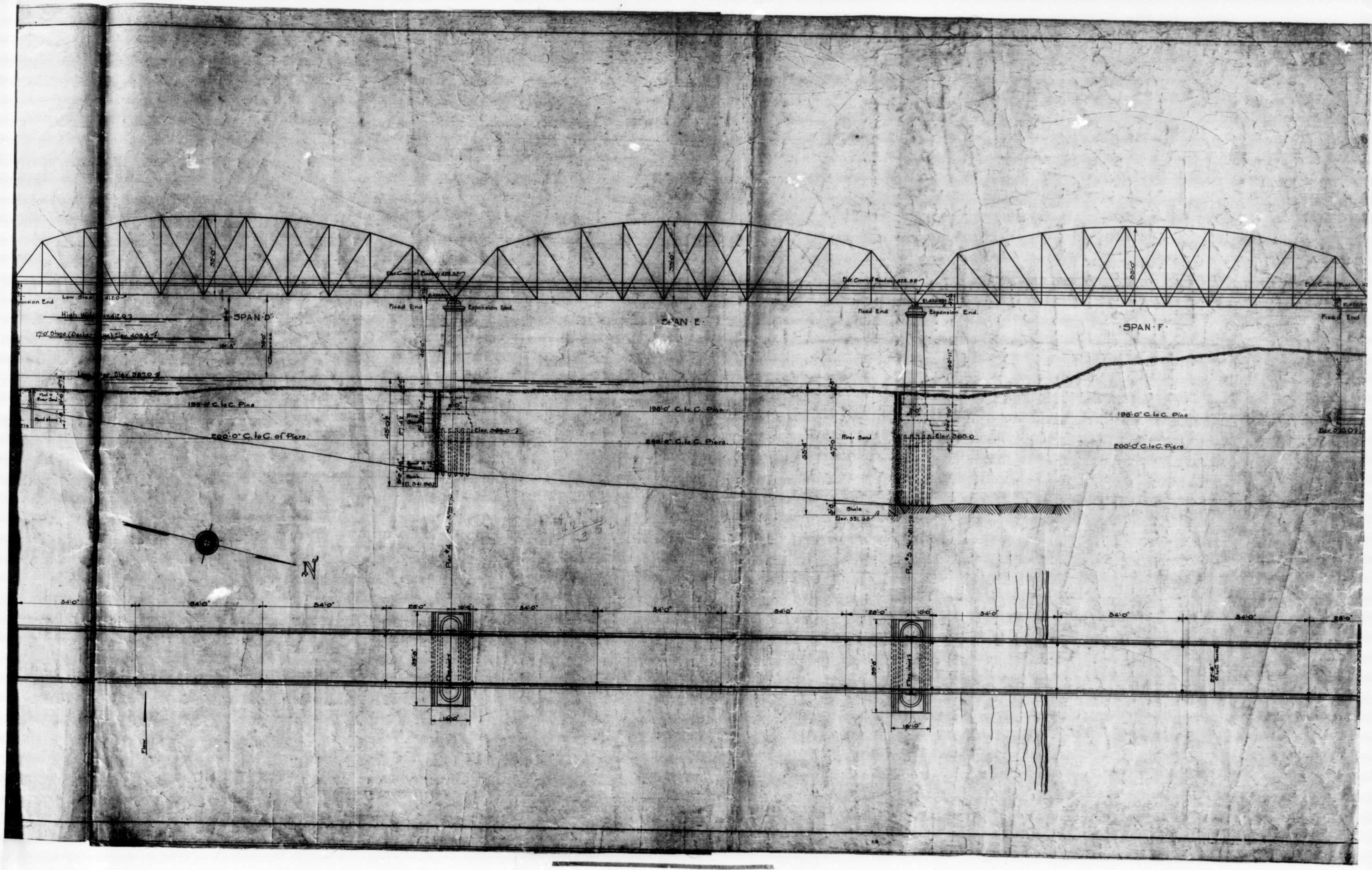


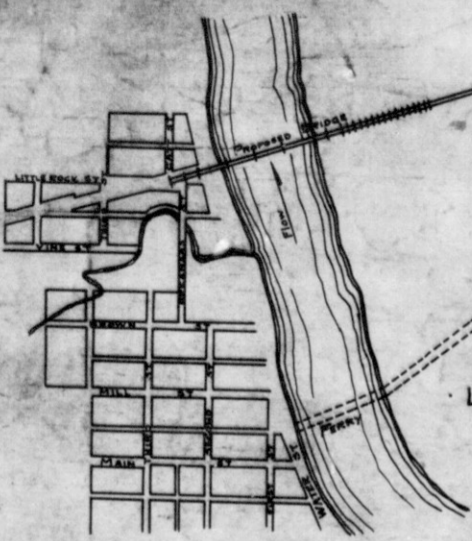
Note:  
 Design Value of piling to be as indicated  
 on Detail Sheets of the various footings.  
 See Special Provisions regarding Roadway Drains.  
 See Special Provisions regarding point.

GENERAL PLAN  
**STEEL TRUSS BRIDGE**  
 8 SPANS: 4@198'-0" & 4@64'-0" OVER 20'-2" ROADWAY  
 ON STATE ROAD 10-D  
**INDIANA STATE HIGHWAY COMMISSION**  
**GIBSON COUNTY**  
 SCALE: 1"=16'-0"  
 RECOMMENDED FOR APPROVAL: [Signature] FEB 9, 1922  
 PROJECT: F. A. No. 29 SECTION: STATION: 362+77.4  
 DRAWING 53 OF 29 STRUCTURE

Revised 7-24-22

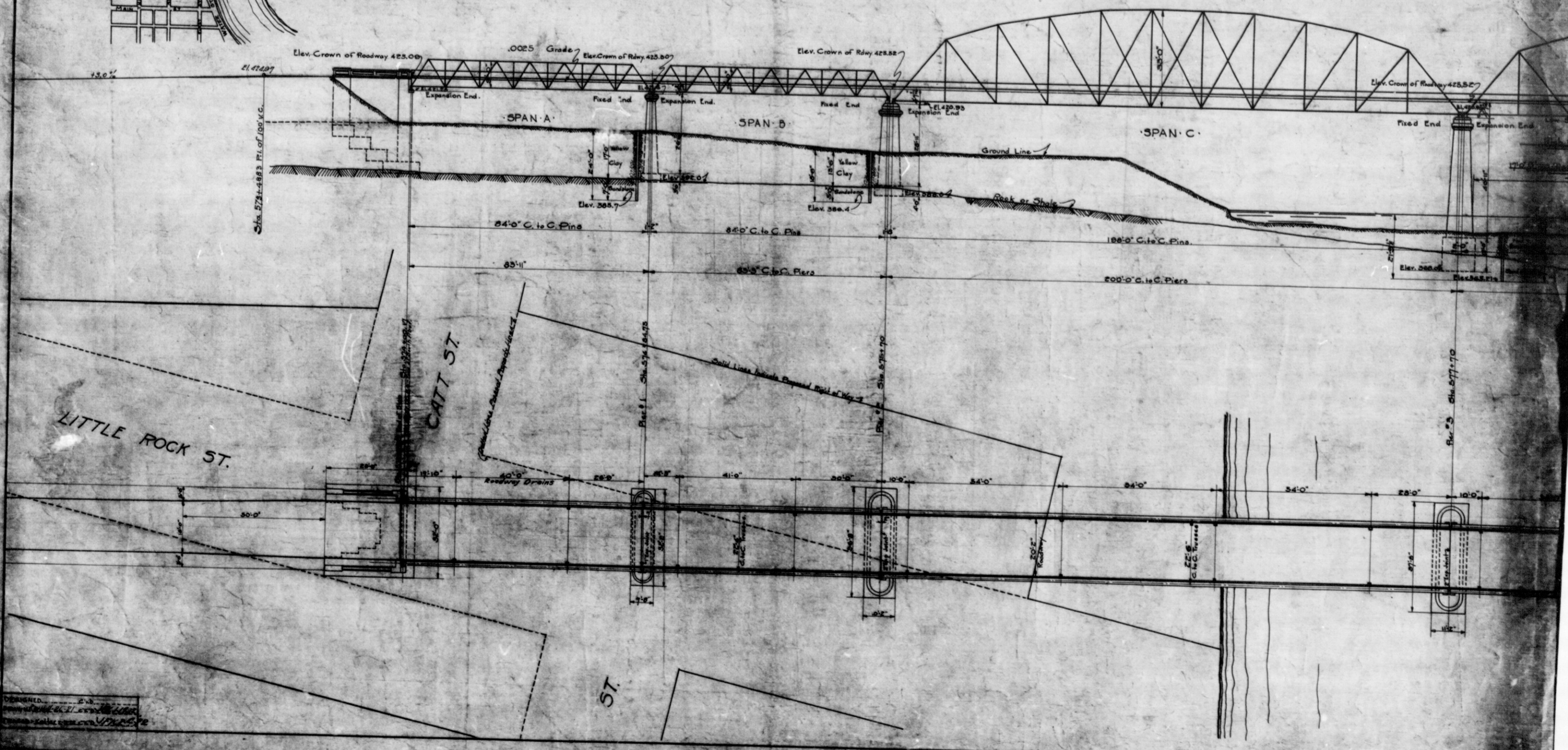






LOCATION DIAGRAM  
SCALE 1"=600'

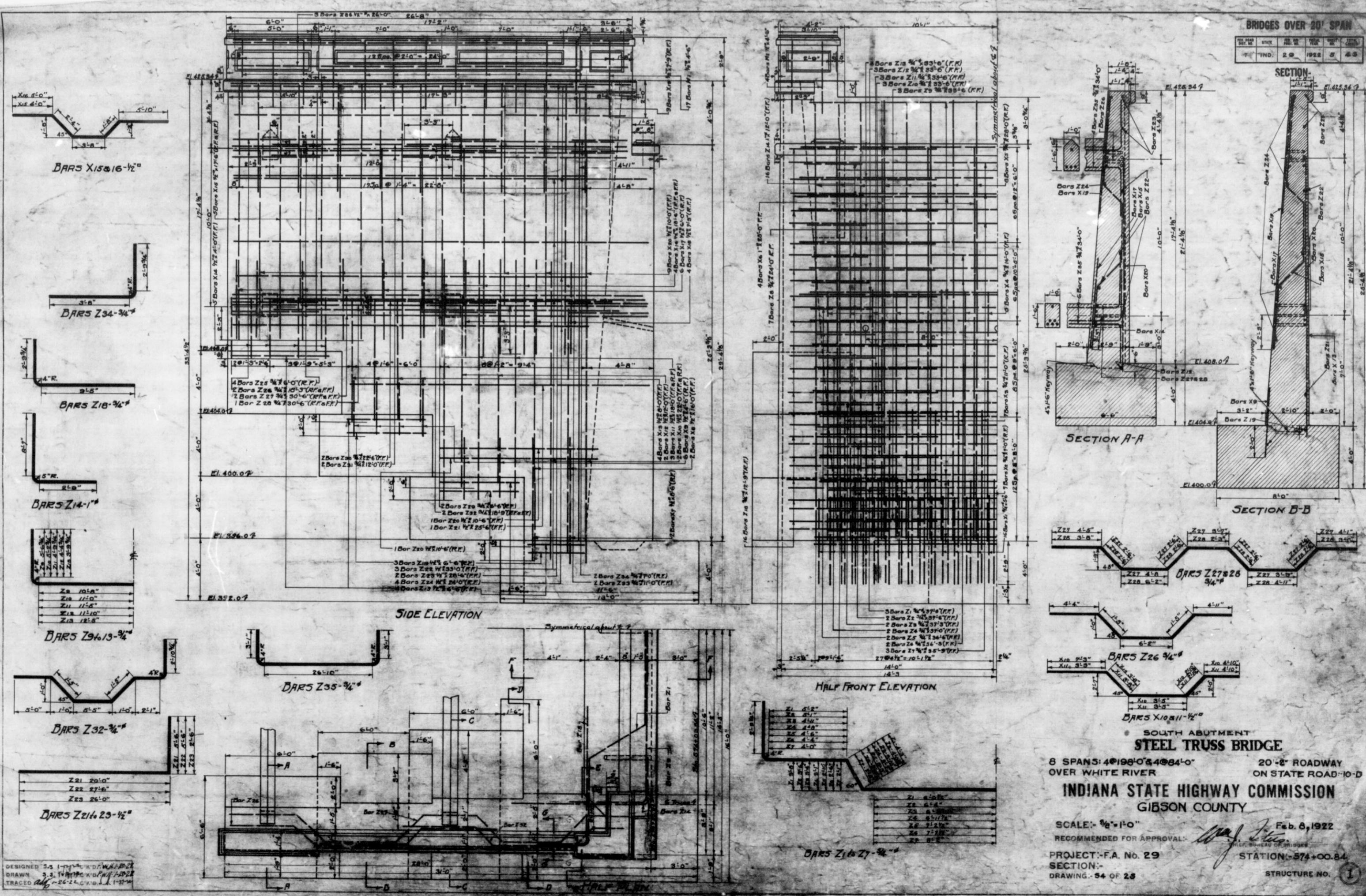
25%



DESIGNED BY  
DRAWN BY  
CHECKED BY  
DATE

57



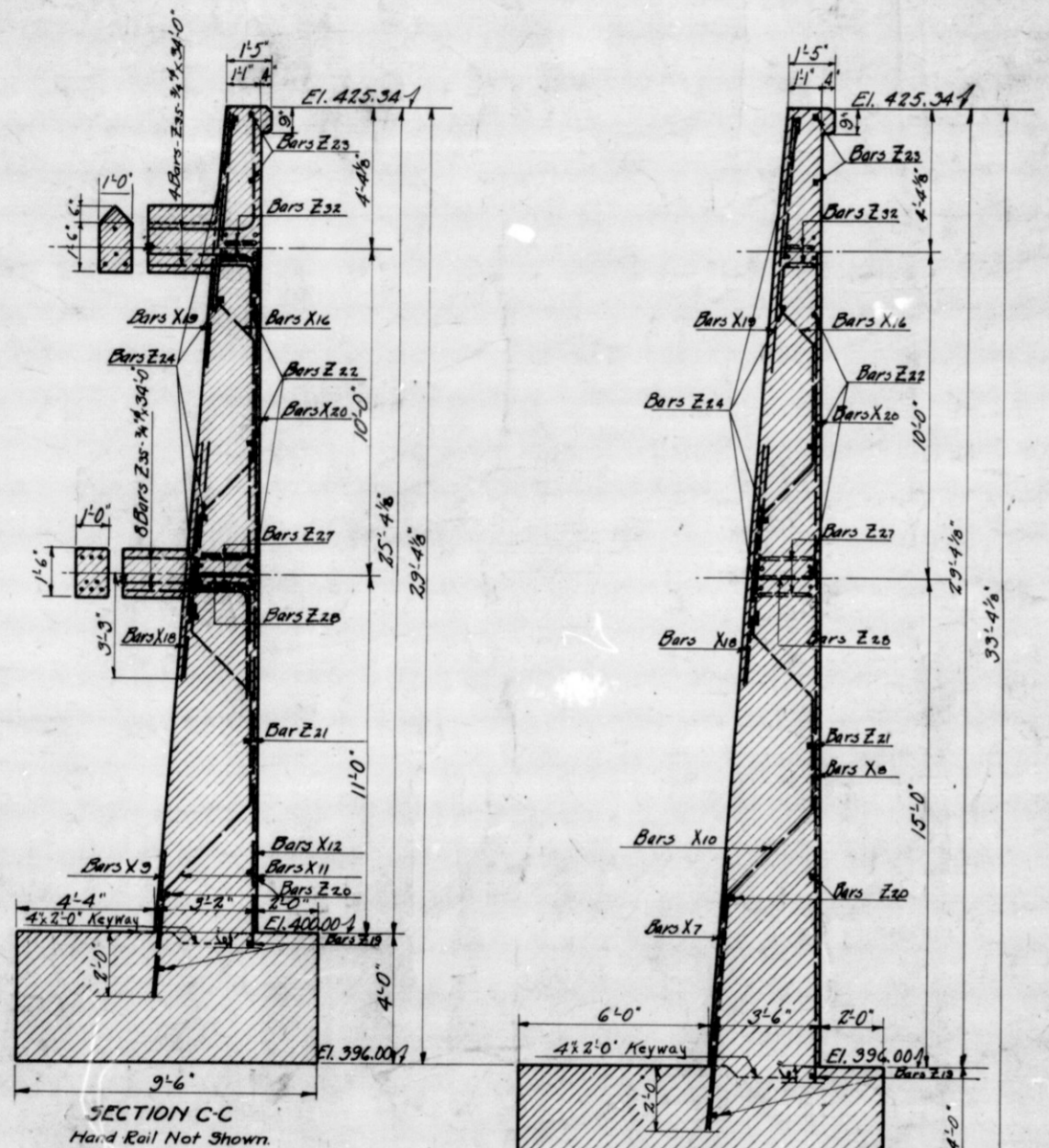


BRIDGES OVER 20' SPAN

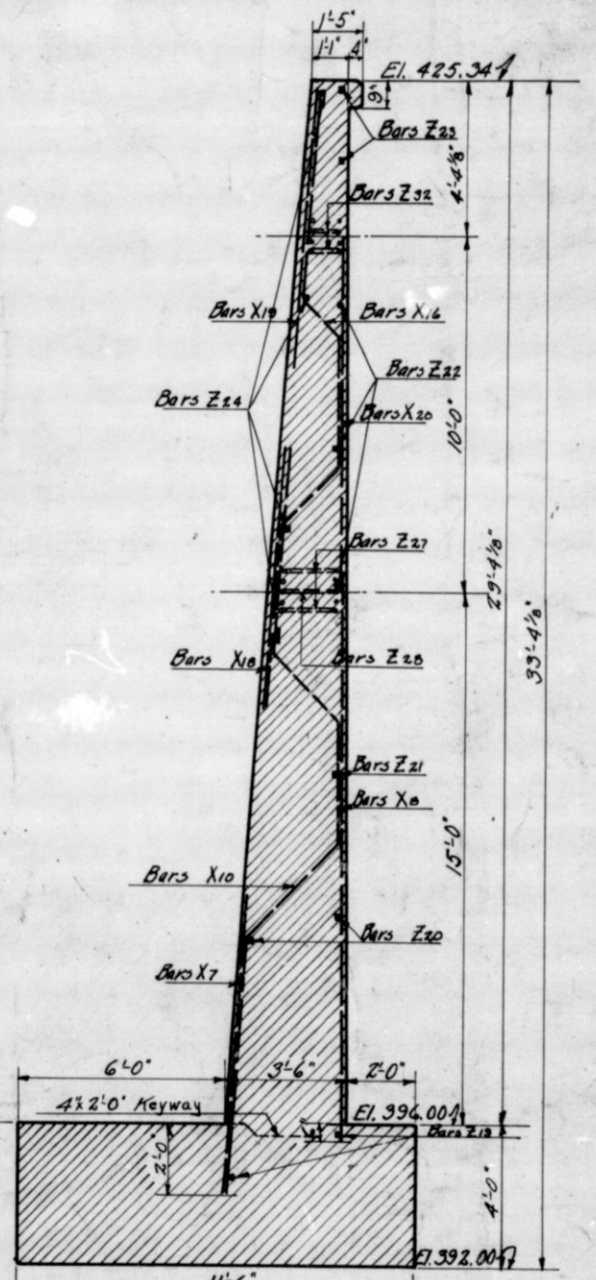
| YEAR | NO. | SPAN | ROADWAY | TYPE |
|------|-----|------|---------|------|
| 1922 | 5   | 20   | 20      | ST   |

DESIGNED BY: [Signature]  
 DRAWN BY: [Signature]  
 TRACED BY: [Signature]

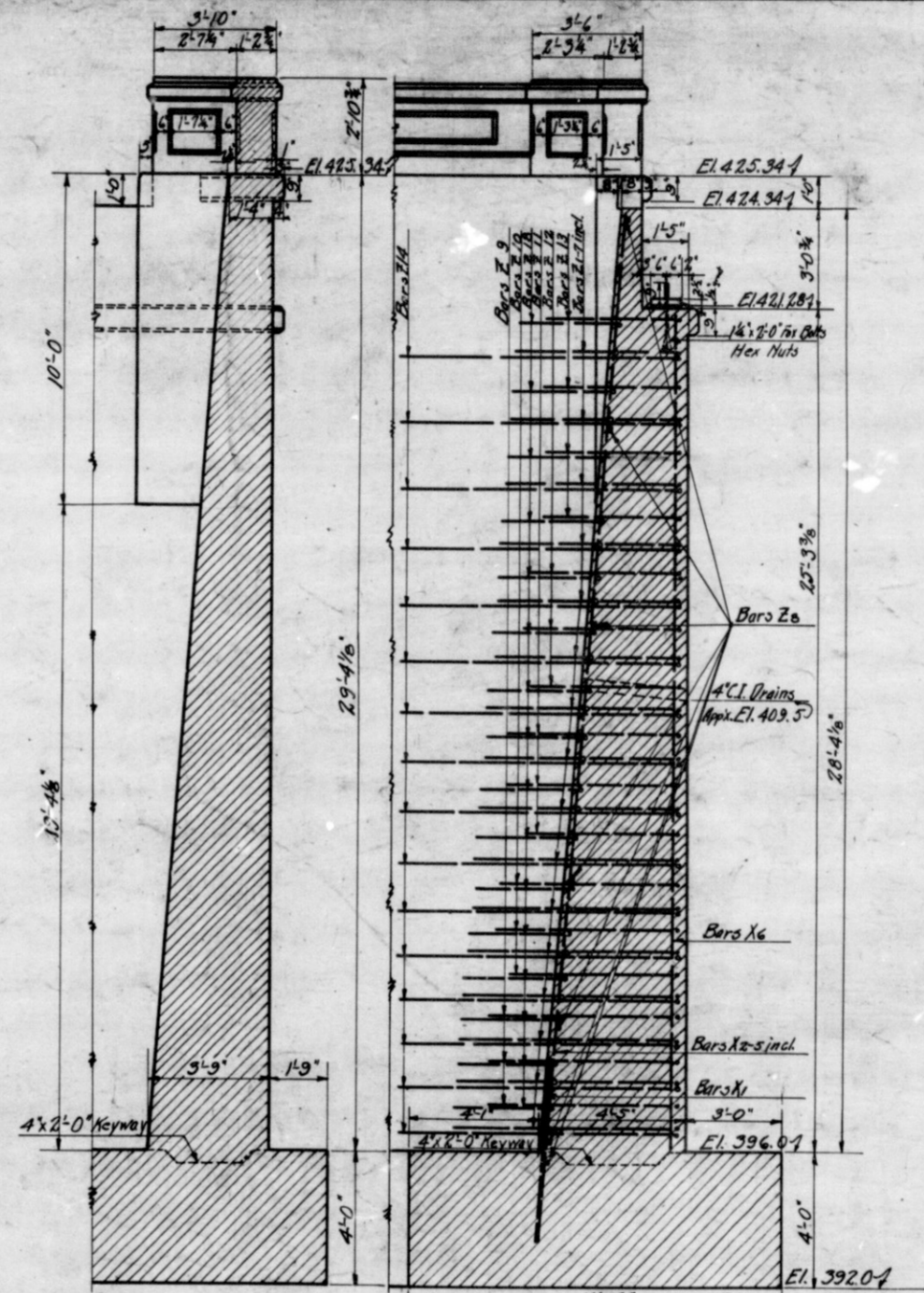
**SOUTH ABUTMENT**  
**STEEL TRUSS BRIDGE**  
 6 SPANS: 4@198'-0" & 4@84'-0"  
 OVER WHITE RIVER  
 20'-0" ROADWAY  
 ON STATE ROAD 10-D  
**INDIANA STATE HIGHWAY COMMISSION**  
**GIBSON COUNTY**  
 SCALE: 1/8" = 1'-0"  
 RECOMMENDED FOR APPROVAL: [Signature]  
 PROJECT: F.A. No. 29  
 SECTION: [Signature]  
 DRAWING: 54 OF 28  
 Feb. 6, 1922  
 STATION: 574+00.84  
 STRUCTURE NO. 1



SECTION C-C  
Hand Rail Not Shown.

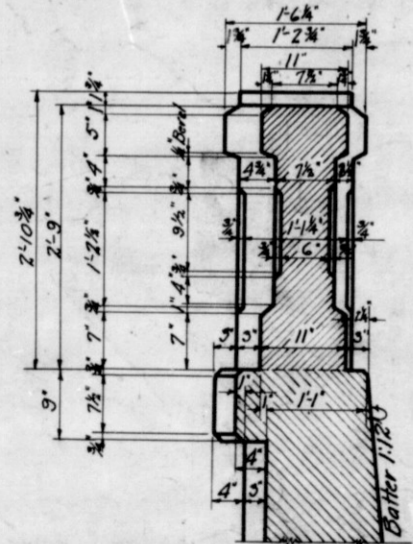


SECTION D-D  
Hand Rail Not Shown.



SECTION E-E  
(Reinforcing not shown)

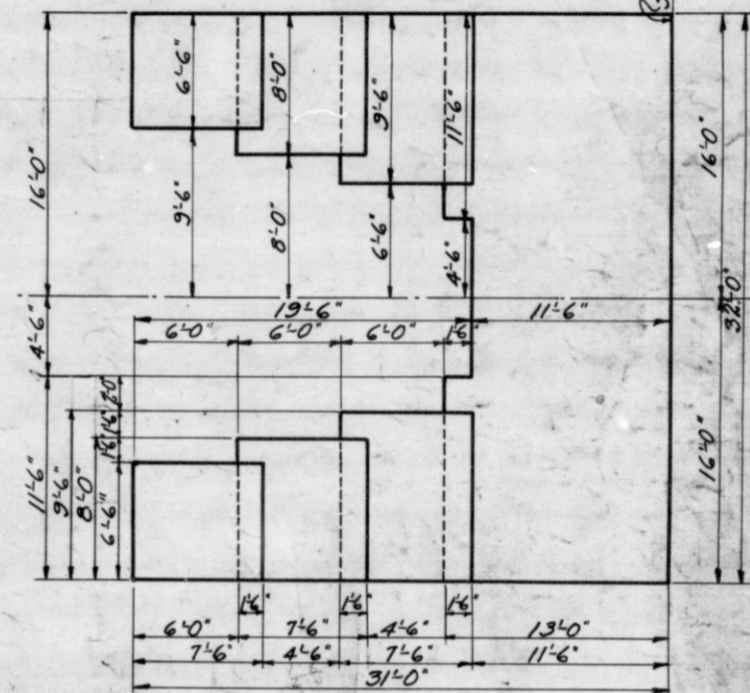
SECTION F-F



SECTION G-G

| BRIDGES OVER 20' SPAN |       |      |      |      |
|-----------------------|-------|------|------|------|
| NO.                   | STATE | TYPE | SPAN | DATE |
| 7                     | IND.  | 29   | 1824 | 6 49 |

SECTION-



FOOTING PLAN  
Scale: 3/8" = 1'-0"

SOUTH ABUTMENT  
**STEEL TRUSS BRIDGE**  
 5 SPANS - 4 @ 198'-0" & 1 @ 84'-0" 20'-2" ROADWAY  
 OVER WHITE RIVER ON STATE ROAD #10-D  
**INDIANA STATE HIGHWAY COMMISSION**  
 GIBSON COUNTY

SCALE: 3/8" = 1'-0" Except as Noted. FEB. 5, 1922.

RECOMMENDED FOR APPROVAL:

PROJECT - F.A. No. 29

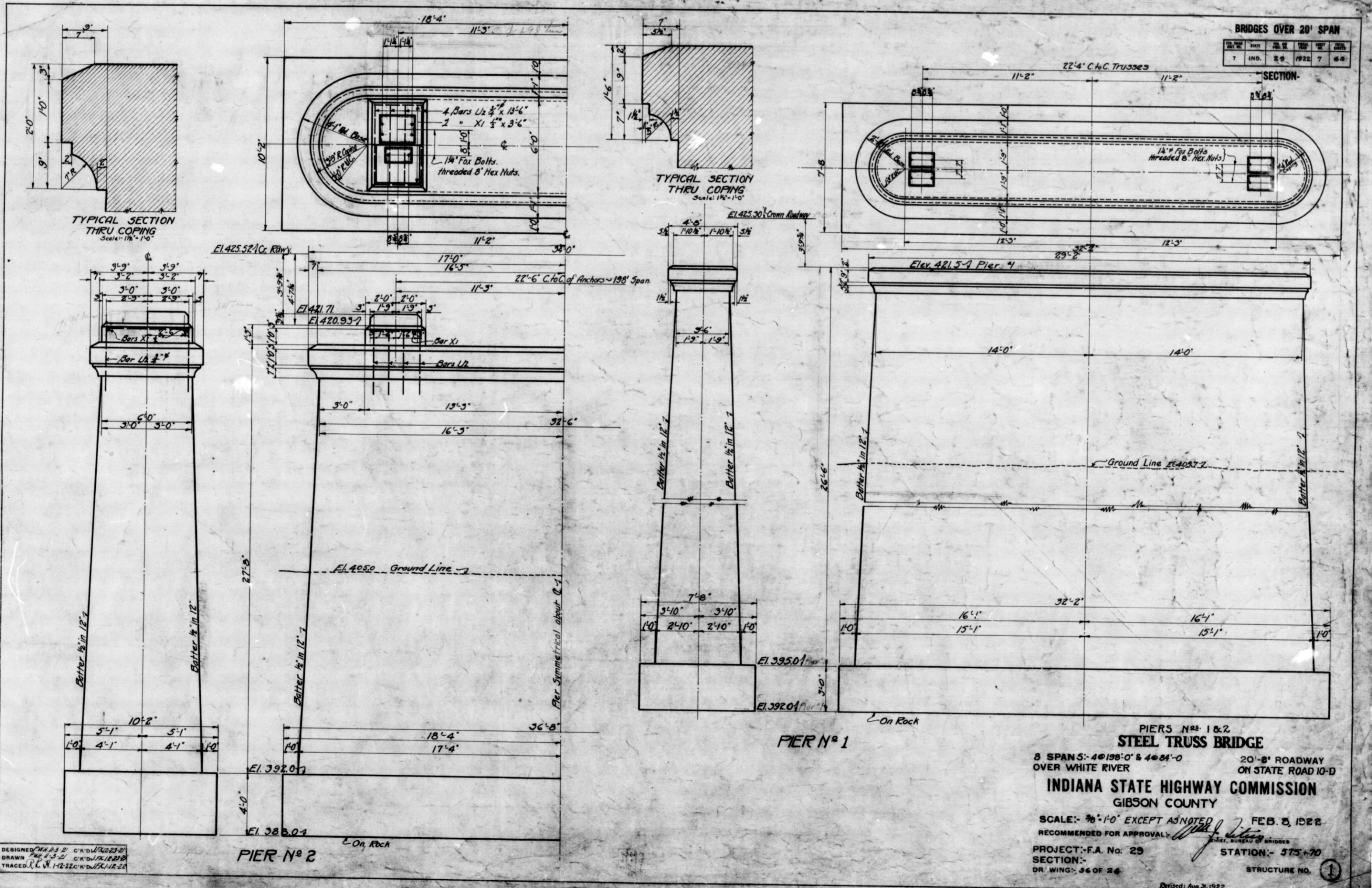
SECTION -

DRAWING - 3 OF 28

STATION - 374+00.24

STRUCTURE NO. 1

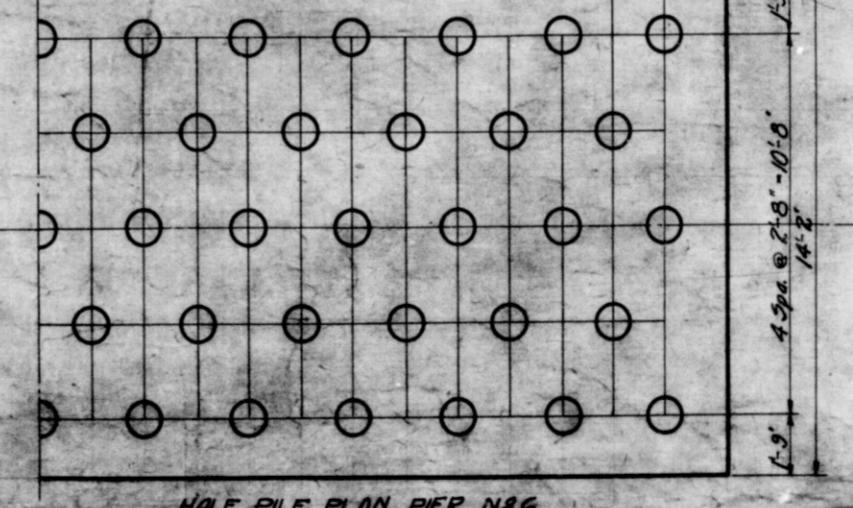
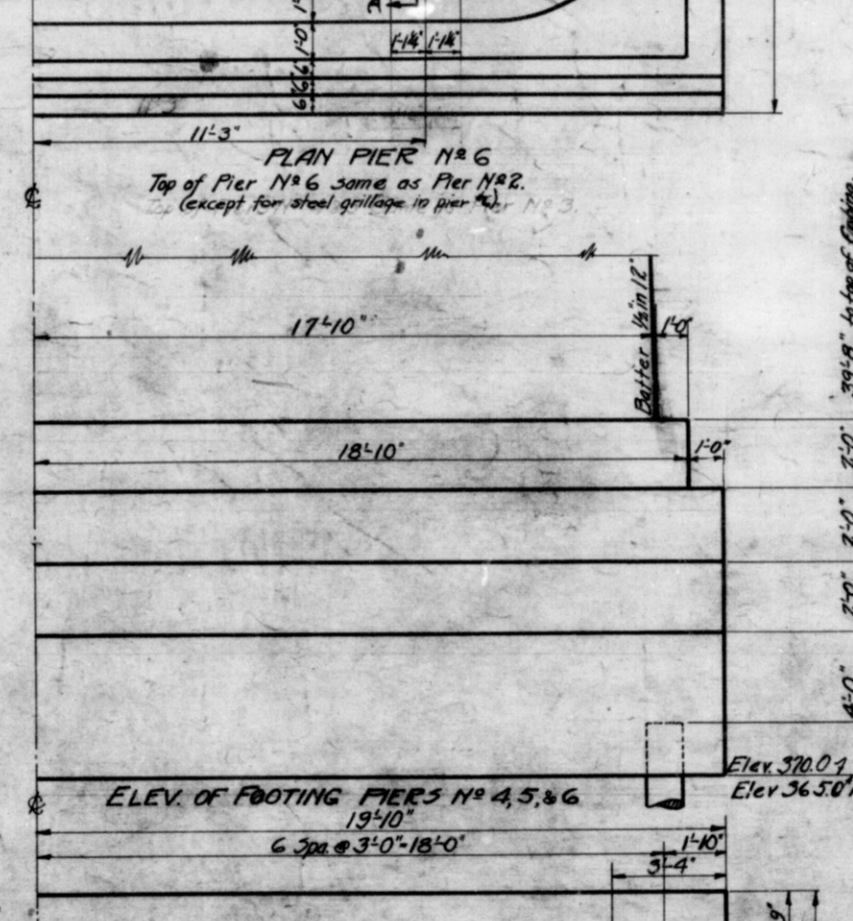
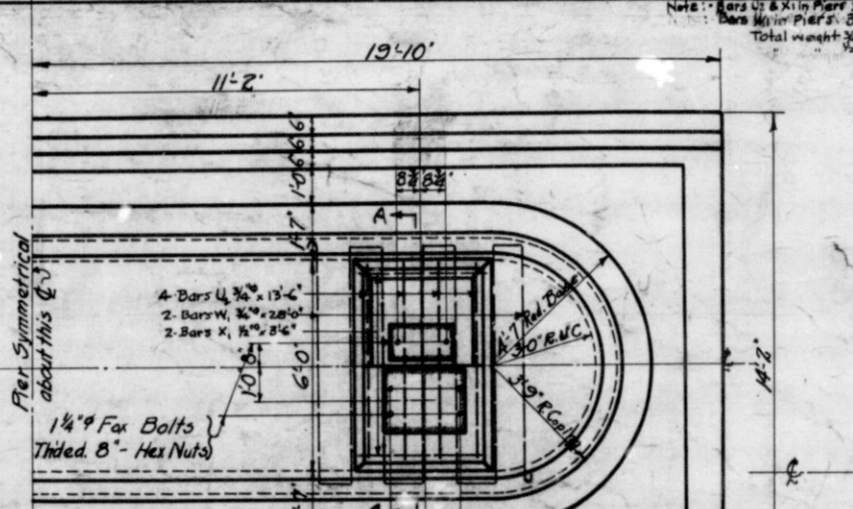
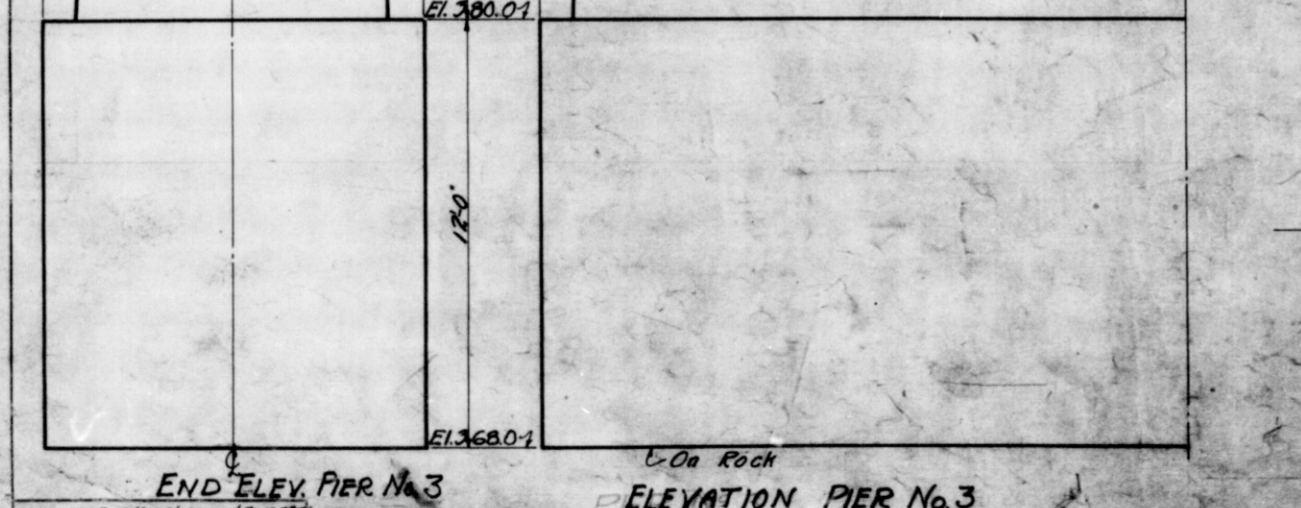
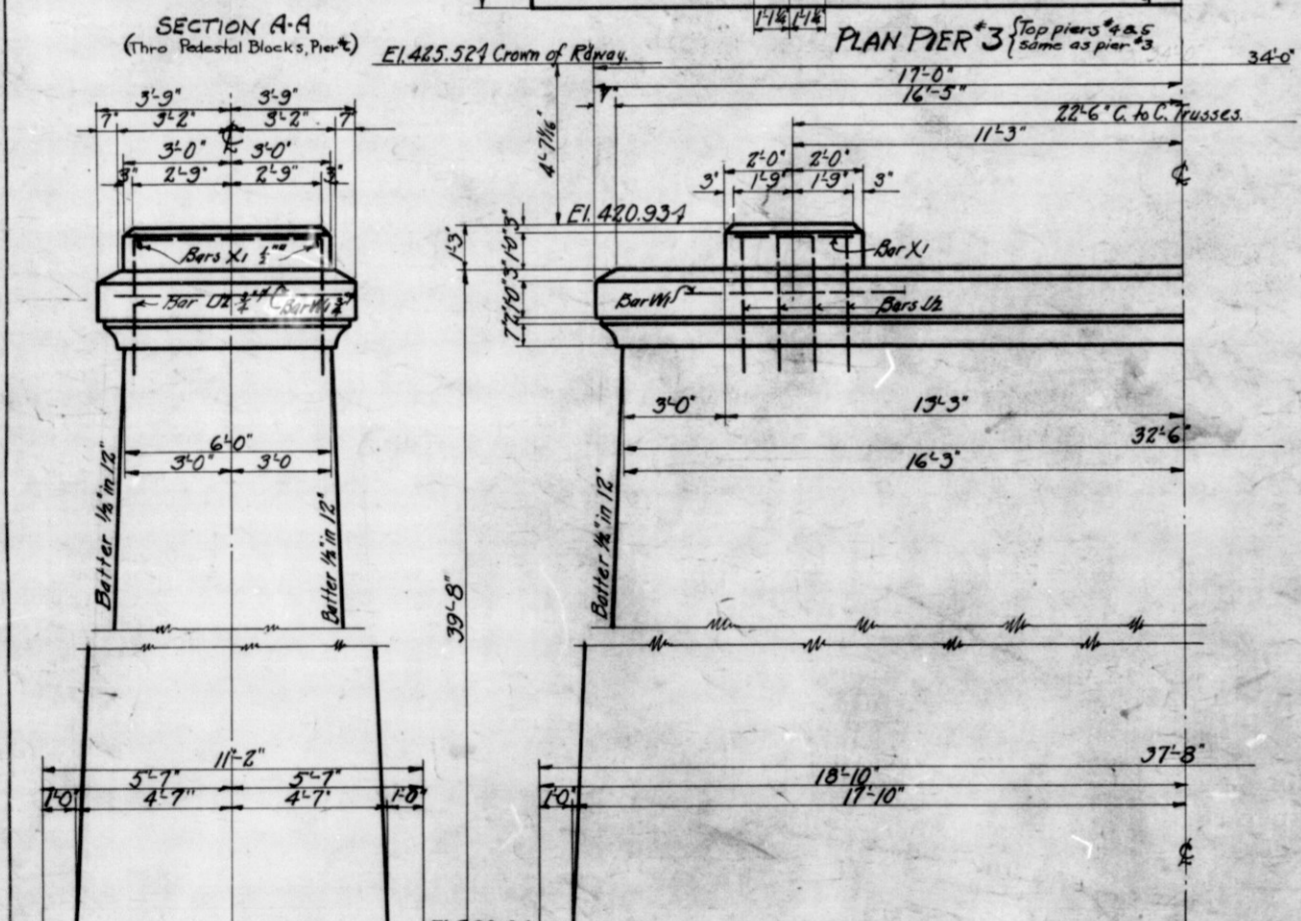
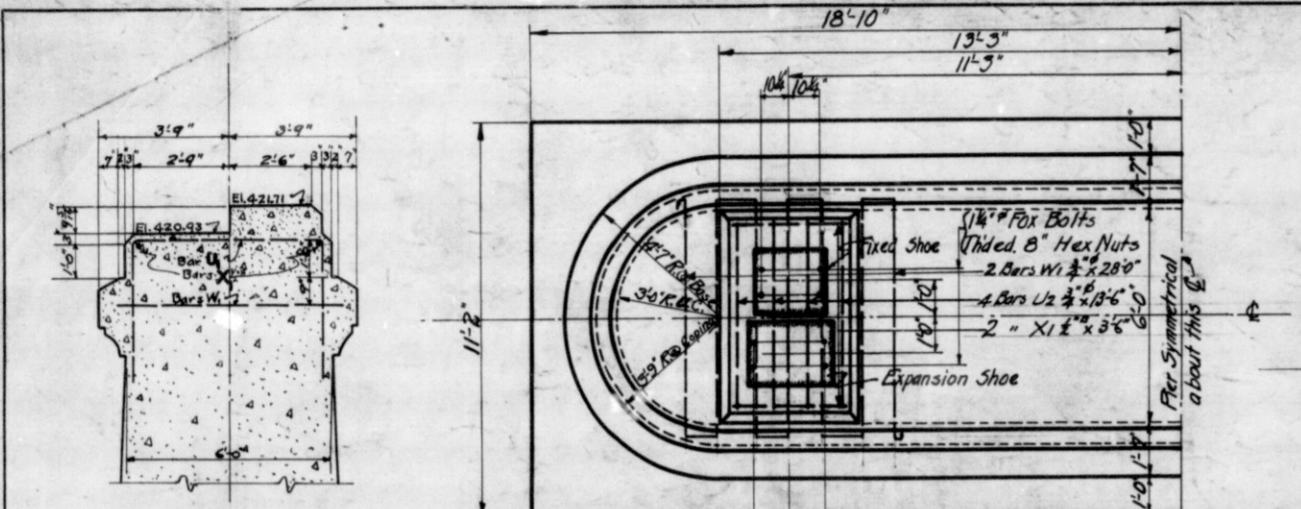
DESIGNED BY: [Signature]  
 DRAWN BY: [Signature]  
 TRACED BY: [Signature]



DESIGNED: H.A.S. D. C.K.D./10230  
 DRAWN: H.A.S. D. C.K.D./10230  
 TRACED: L.V. 1-12-22 C.K.D./10230

| BRIDGES OVER 20' SPAN |         |       |         |       |
|-----------------------|---------|-------|---------|-------|
| No.                   | Date    | Drawn | Checked | Scale |
| 7                     | IND. 29 | 1922  | 7       | 4-0   |

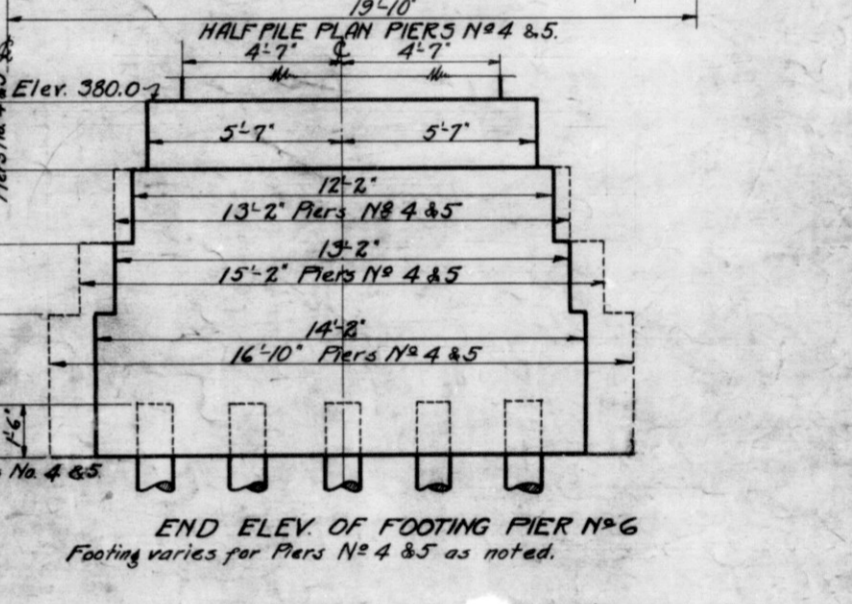
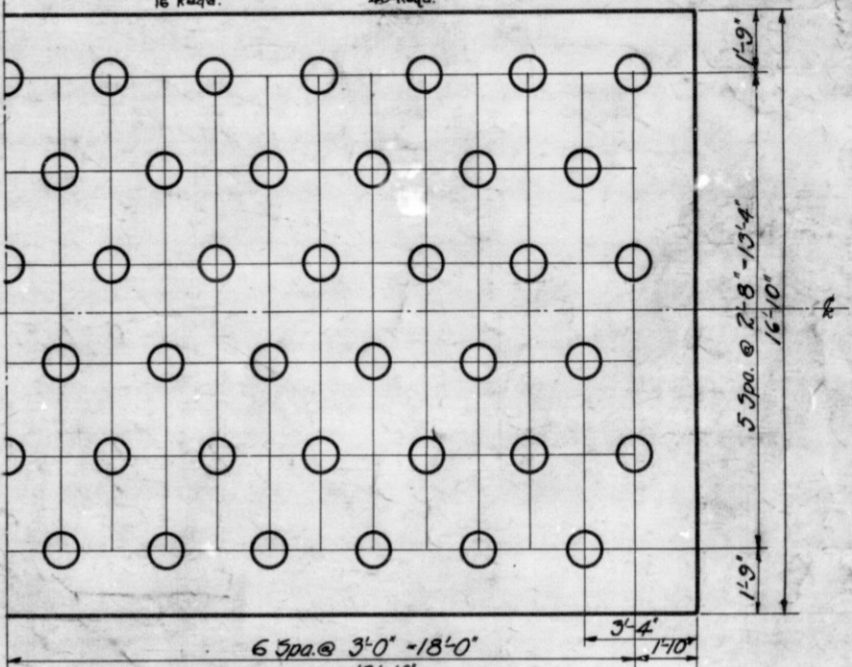
PIERS Nos. 1 & 2  
**STEEL TRUSS BRIDGE**  
 3 SPANS: 4@198'-0" & 4@84'-0" 20'-8" ROADWAY  
 OVER WHITE RIVER ON STATE ROAD 10-D  
**INDIANA STATE HIGHWAY COMMISSION**  
 GIBSON COUNTY  
 SCALE: 3/8" = 1'-0" EXCEPT AS NOTED FEB. 8, 1922  
 RECOMMENDED FOR APPROVAL: [Signature] CHIEF, BUREAU OF BRIDGES  
 PROJECT: F.A. No. 29 STATION: 375+70  
 SECTION: DR. WING: 36 OF 26 STRUCTURE NO. 1  
 Printed: Aug 31, 1922.



BRIDGES OVER 20' SPAN

| Year | Span    | Material | Design | Notes |
|------|---------|----------|--------|-------|
| 7    | IND. 29 | 1922     | 8      | 68    |

SECTION-



END ELEV. OF FOOTING PIER No. 6  
Footing varies for Piers No. 4 & 5 as noted.

Note: All piles for Piers No. 4, 5 & 6 shall have a bearing capacity of 25 Tons

PIERS No. 3, 4, 5 & 6.  
STEEL TRUSS BRIDGE

3 SPANS - 4 @ 198'-0" & 4 @ 64'-0" OVER WHITE RIVER  
20'-2" ROADWAY ON STATE ROAD 10-D

INDIANA STATE HIGHWAY COMMISSION  
GIBSON COUNTY

SCALE: 3/8" = 1'-0"  
RECOMMENDED FOR APPROVAL: [Signature]  
PROJECT: F.A. No. 29  
DRAWING: 27 OF 28

FEB 5, 1922  
STATION: 579+70  
STRUCTURE NO. 1

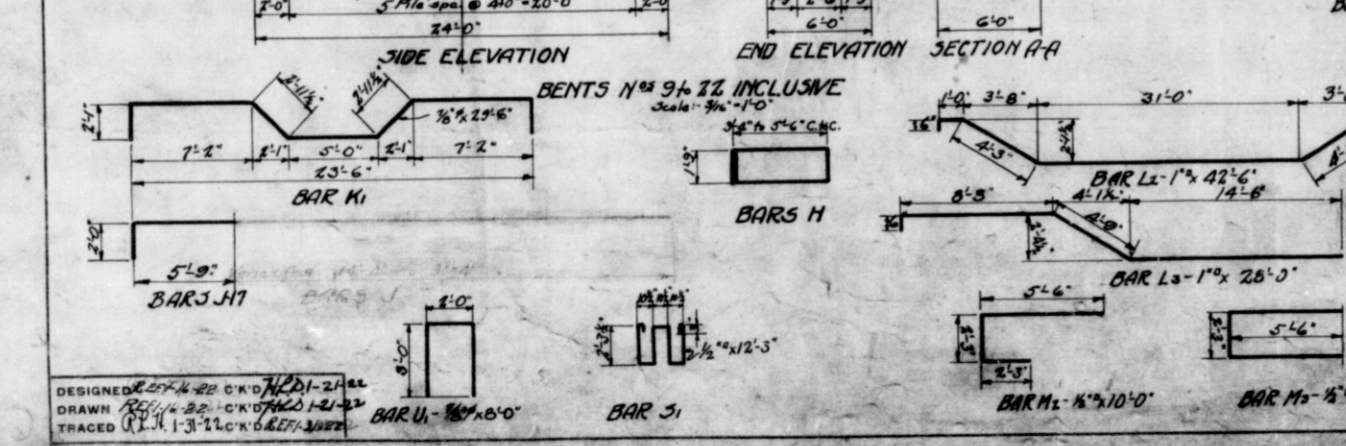
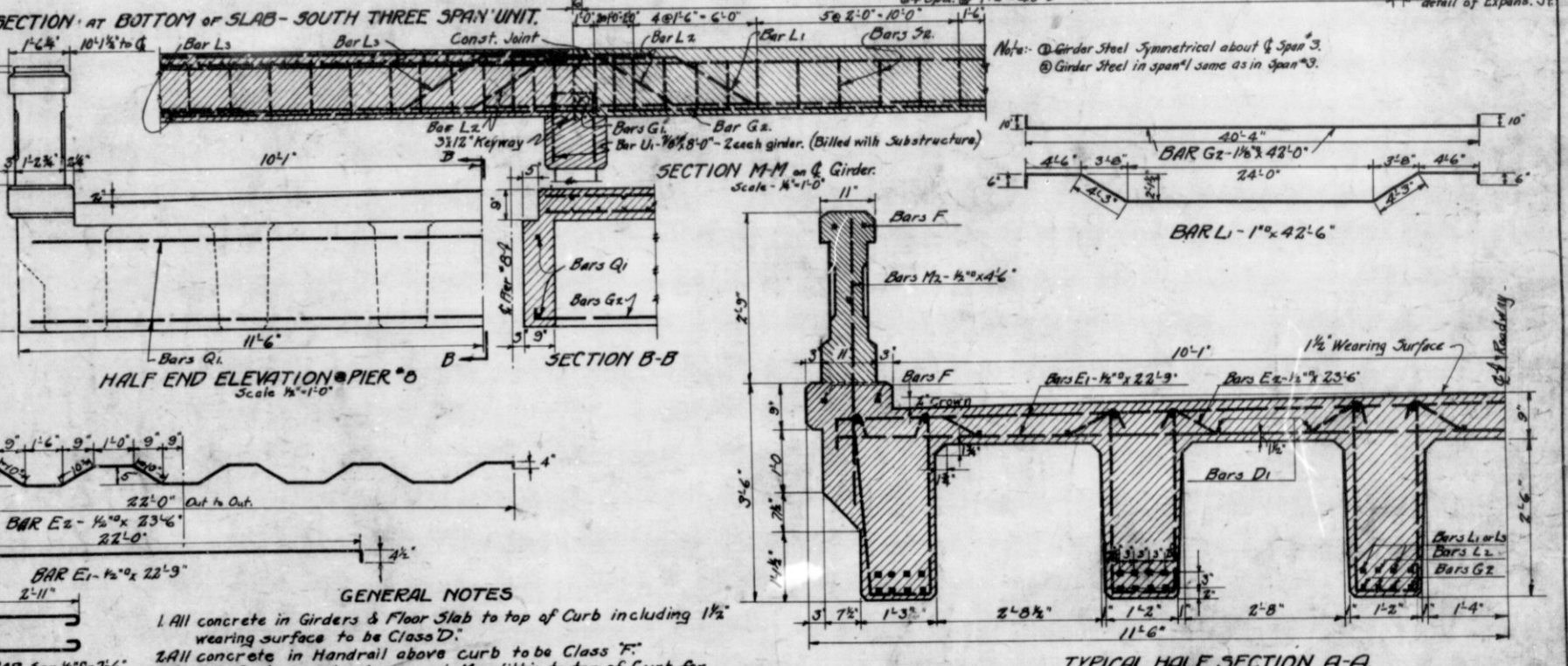
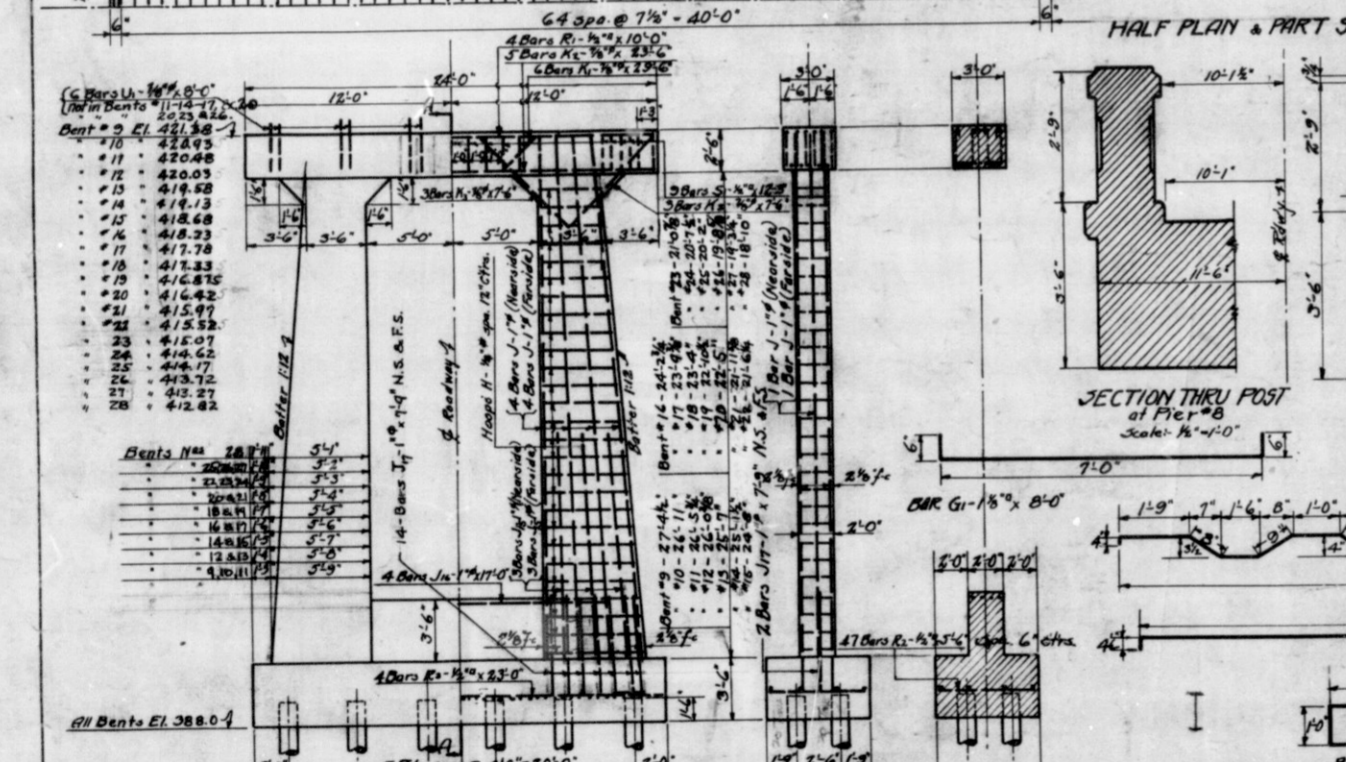
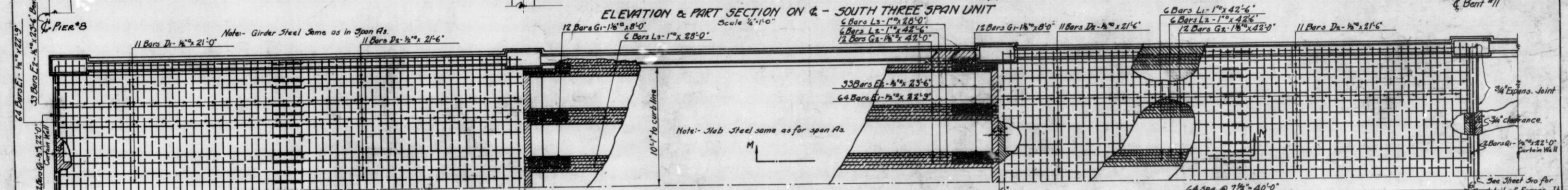
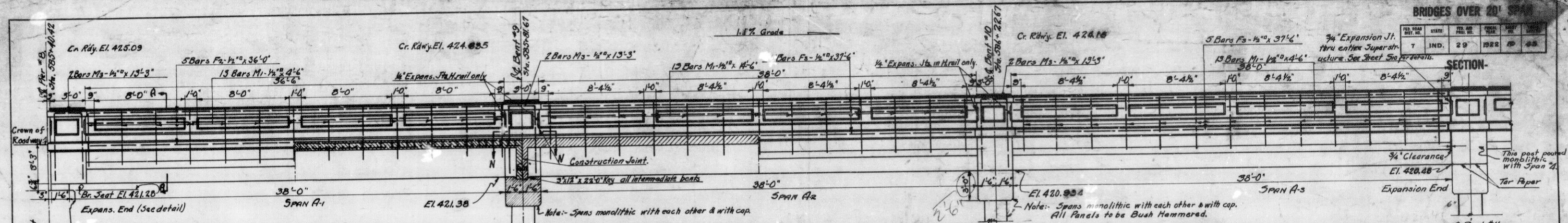
DESIGNED BY: [Signature]  
DRAWN BY: [Signature]  
TRACED BY: [Signature]

Revised 7-27-25, Aug. 31, 1922



BRIDGES OVER 20' SPAN

| IND. | 29 | 1922 | 10 | 108 |
|------|----|------|----|-----|
|------|----|------|----|-----|



**GENERAL NOTES**

- All concrete in Girders & Floor Slab to top of Curb including 1 1/2" wearing surface to be Class D.
- All concrete in Handrail above Curb to be Class F.
- Slab & Girders are to be poured Monolithic to top of Curb for full span length at one pouring.
- Additional Construction Joints, if necessary on & between Bents.
- Spans of any Three Span Unit are monolithic over the two interior bents, except for Hand-rail expansion joints.
- All panels to be Bush-Hammered.
- See Sheet 311 for details of Floor Slab.

**QUANTITIES**

- For Joint Three Span Unit of Super-structure.
  - Class D Concrete ----- 173.25 Cu. Yds.
  - Class F Concrete ----- 17.90 Cu. Yds.
  - Reinforcing Steel ----- 37,919 #
- Substructure (14 Bents.)
  - Class D Concrete ----- 614 Cu. Yds.
  - Reinforcing Steel ----- 58,133 #
  - Piling ----- 168 @ 23' ----- 4200 Lin. Ft.

Note: See Sheet 311 for Bills of Materials.  
Note: All piles in Bents shall have a bearing value of 20 Tons.

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

**CONCRETE GIRDER APPROACH  
STEEL TRUSS BRIDGE**

8 SPANS: 4 @ 138'-0" & 4 @ 84'-0"      20'-8" ROADWAY  
OVER WHITE RIVER      ON STATE ROAD 10-D

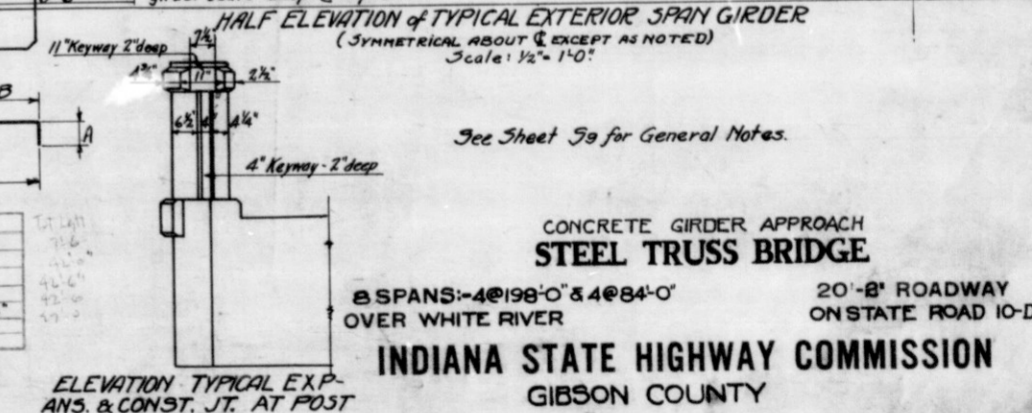
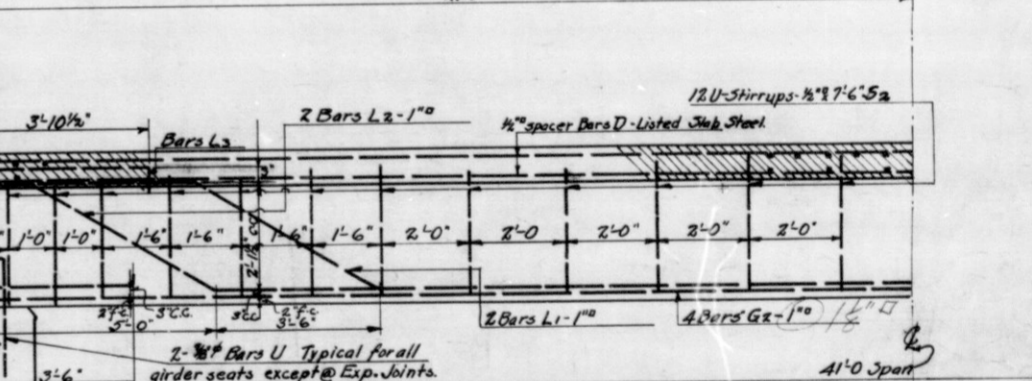
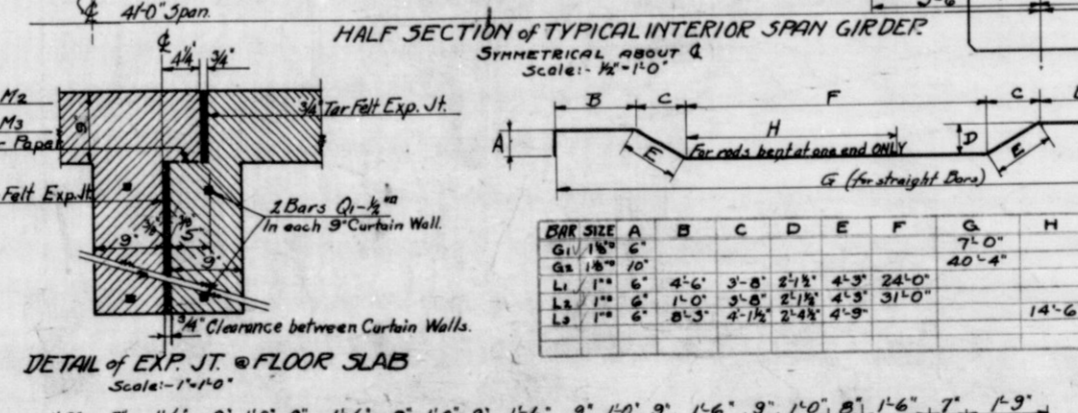
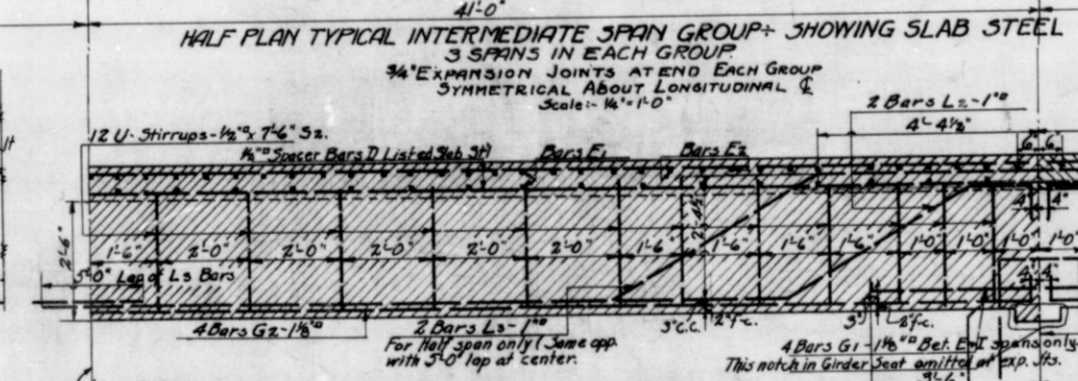
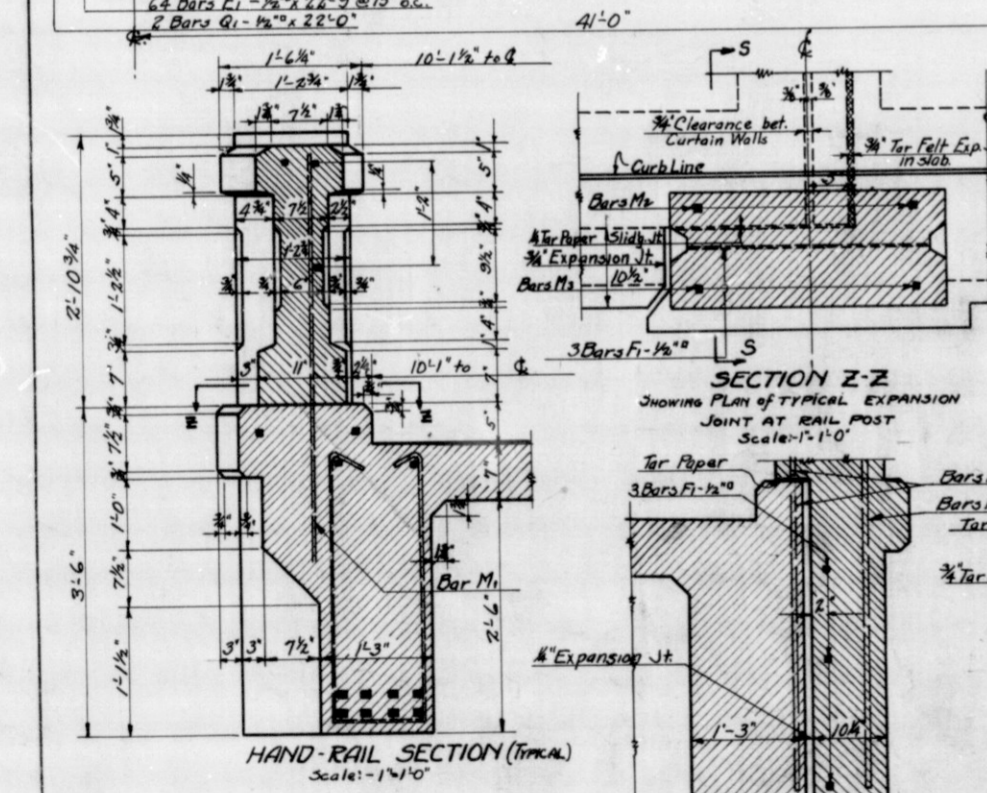
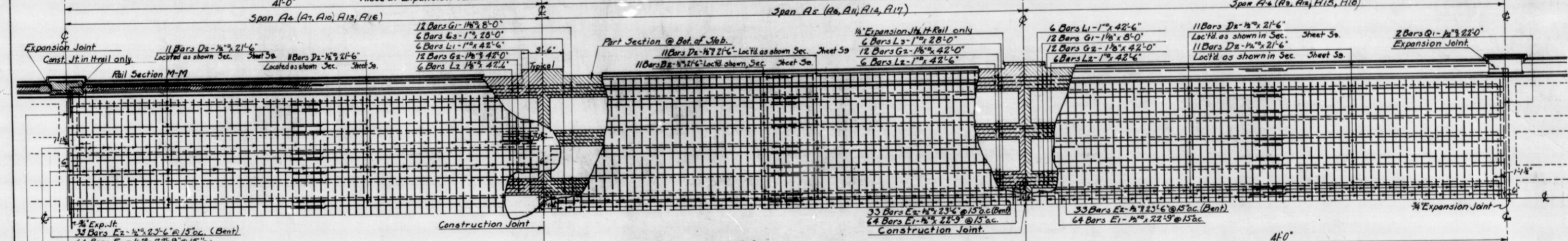
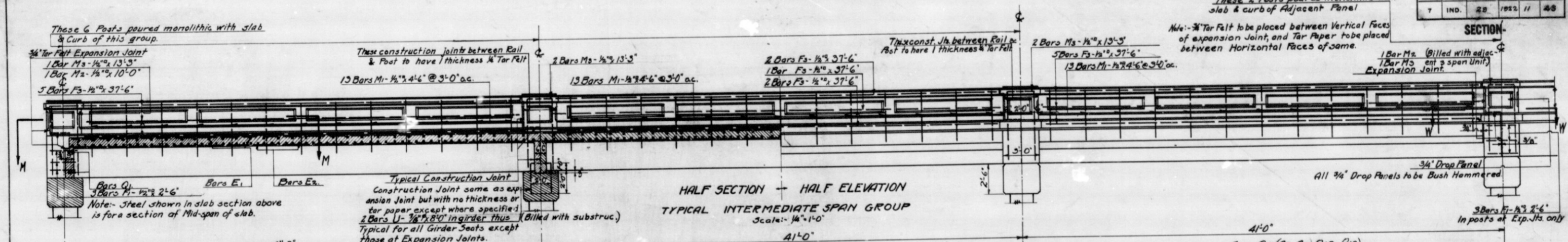
**INDIANA STATE HIGHWAY COMMISSION  
GIBSON COUNTY**

SCALE: AS NOTED      FEB. 3, 1922  
RECOMMENDED FOR APPROVAL: [Signature]      CHIEF ENGINEER OF BRIDGES  
PROJECT: F.A. No. 29      STATION: 385+52.17  
SECTION:      DRAWING: 39 OF 28      STRUCTURE NO. 1

DESIGNED BY: [Signature]  
DRAWN BY: [Signature]  
TRACED BY: [Signature]

**BRIDGES OVER 20' SPAN**

|      |      |      |      |      |
|------|------|------|------|------|
| IND. | DES. | CHK. | APP. | DATE |
|      |      |      |      |      |



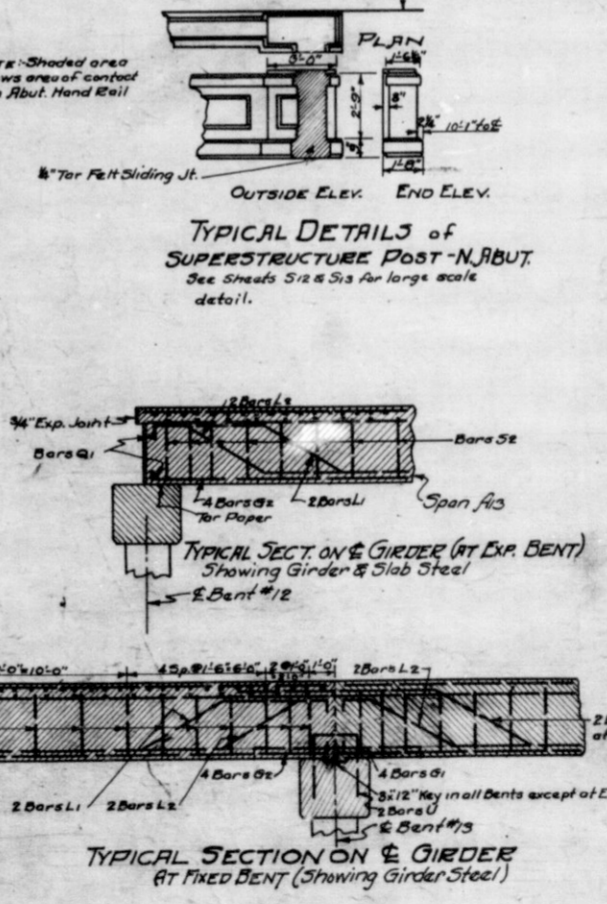
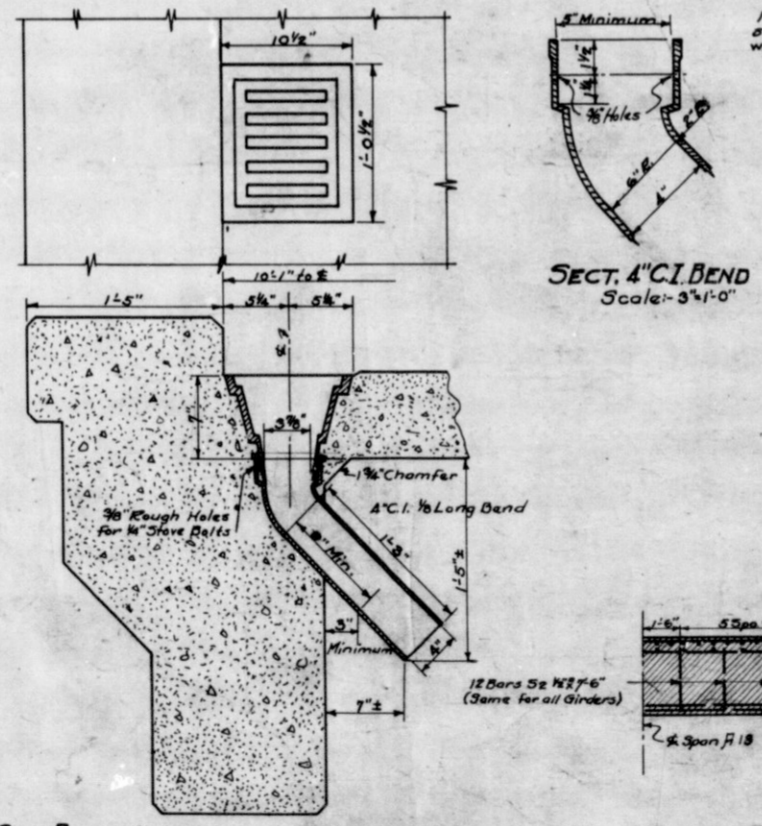
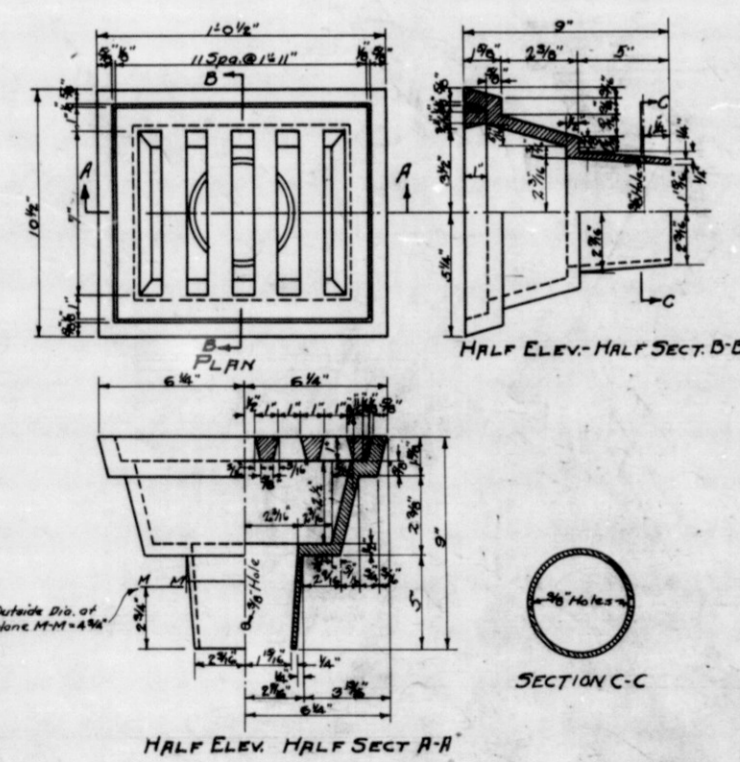
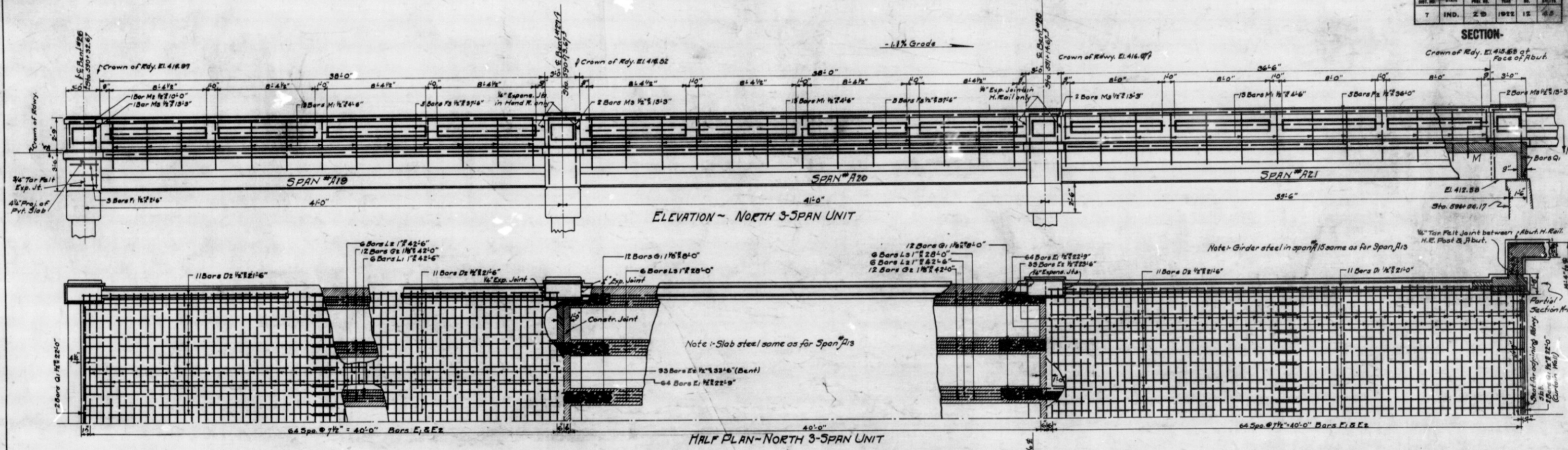
| BAR SIZE  | A  | B  | C  | D  | E   | F   | G   | H   |
|-----------|----|----|----|----|-----|-----|-----|-----|
| G1 1/2"   | 6" | 7" | 8" | 9" | 10" | 11" | 12" | 13" |
| G2 1 1/4" | 6" | 7" | 8" | 9" | 10" | 11" | 12" | 13" |
| L1 1"     | 6" | 7" | 8" | 9" | 10" | 11" | 12" | 13" |
| L2 1 1/4" | 6" | 7" | 8" | 9" | 10" | 11" | 12" | 13" |

CONCRETE GIRDER APPROACH  
**STEEL TRUSS BRIDGE**  
 8 SPANS-4@198'-0" 5@84'-0"  
 OVER WHITE RIVER  
 20'-8" ROADWAY  
 ON STATE ROAD 10-D  
**INDIANA STATE HIGHWAY COMMISSION**  
 GIBSON COUNTY

SCALE: AS NOTED  
 RECOMMENDED FOR APPROVAL: *[Signature]*  
 PROJECT: F.A. No. 29  
 SECTION: *[Signature]*  
 DRAWING: S100F 28  
 FEB. 8, 1922  
 STATION: 568+48.07  
 STRUCTURE NO. 1

DESIGNED BY: *[Signature]*  
 DRAWN BY: *[Signature]*  
 TRACED BY: *[Signature]*

| BRIDGES OVER 20' SPAN |      |    |      |      |
|-----------------------|------|----|------|------|
| NO.                   | DATE | BY | CHKD | APP. |
| 7                     | IND. | 20 | 1922 | 15   |



**General Notes**

All concrete in girders and floor slab to top of curb (including 1 1/2" wearing surface) to be class D (112:36).

All concrete in hand rail above curb to be class F (111/2:2).

Slab and girders are to be poured monolithic to top of curb for full span length in one pouring.

Additional construction joints, if necessary, may be placed on 5' between bents.

Spans of any 3-span unit are monolithic over the two interior bents except for hand rail expansion joints.

All panels to be bush hammered.

DESIGNED BY: [Signature]

DRAWN BY: [Signature]

TRACED BY: [Signature]

**DETAILS C.I. GUTTER DRAIN**

To be used in combination with 36x4" C.I. 1/2" long band on Conc. Approach Drains to be furnished by the State; See Special Provisions, Cost.

Iron bands to be furnished by Contractor.

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

**DRAIN DETAILS**

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

Note: Weight of Basins & Grate = 54"

**CONCRETE GIRDER APPROACH STEEL TRUSS BRIDGE**

8 SPANS - 4 @ 38'-0" & 4 @ 24'-0" OVER WHITE RIVER

20'-2" ROADWAY ON STATE ROAD 10-D

**INDIANA STATE HIGHWAY COMMISSION**

**GIBSON COUNTY**

SCALE: 1/4" = 1'-0" EXCEPT AS NOTED

RECOMMENDED FOR APPROVAL: [Signature]

PROJECT - F.A. No. 29

SECTION -

DRAWING - 511 OF 28

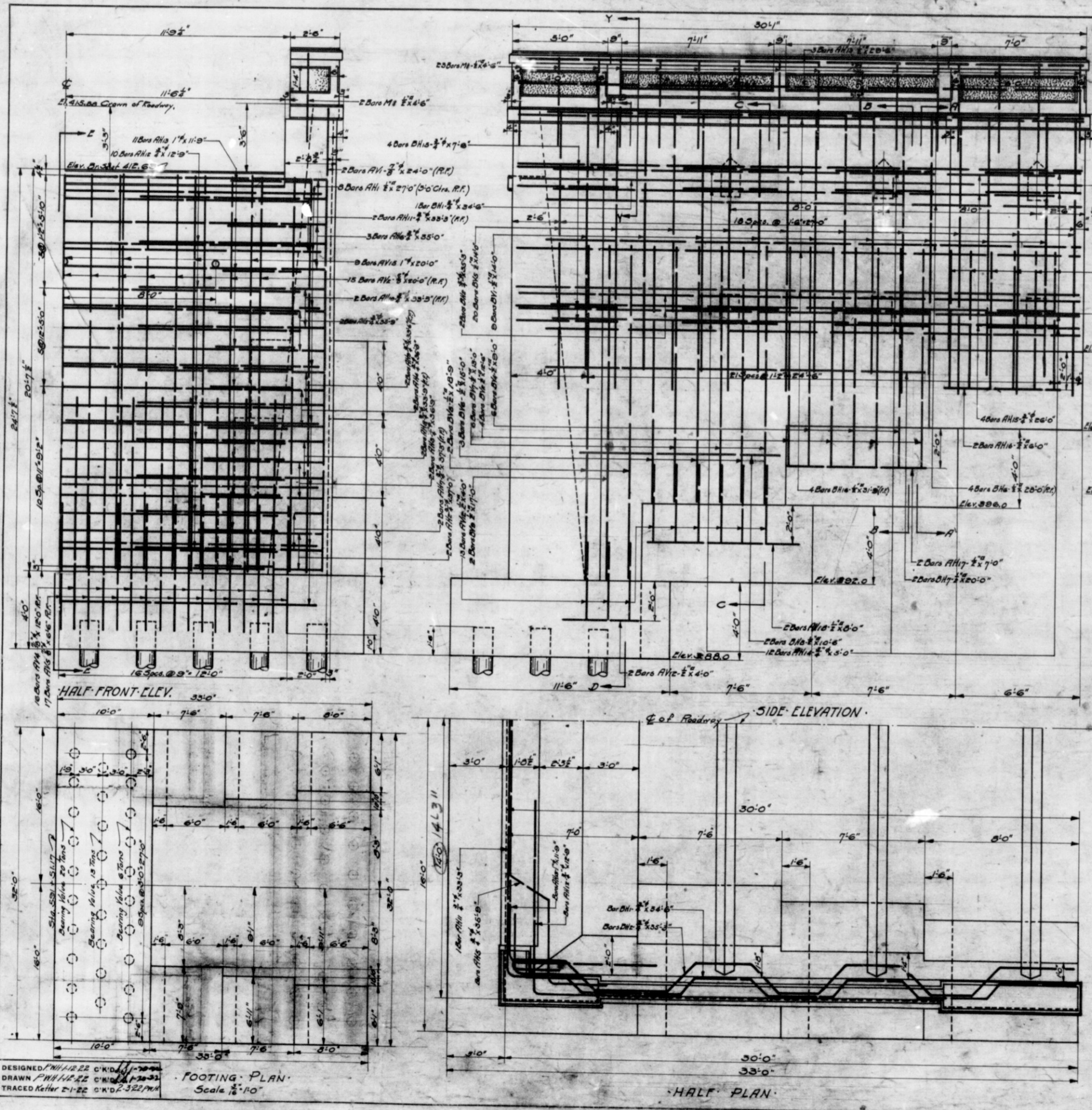
STATION - 590+91.17

STRUCTURE NO. 1

Feb. 8, 1922

REVISION 7-27-22

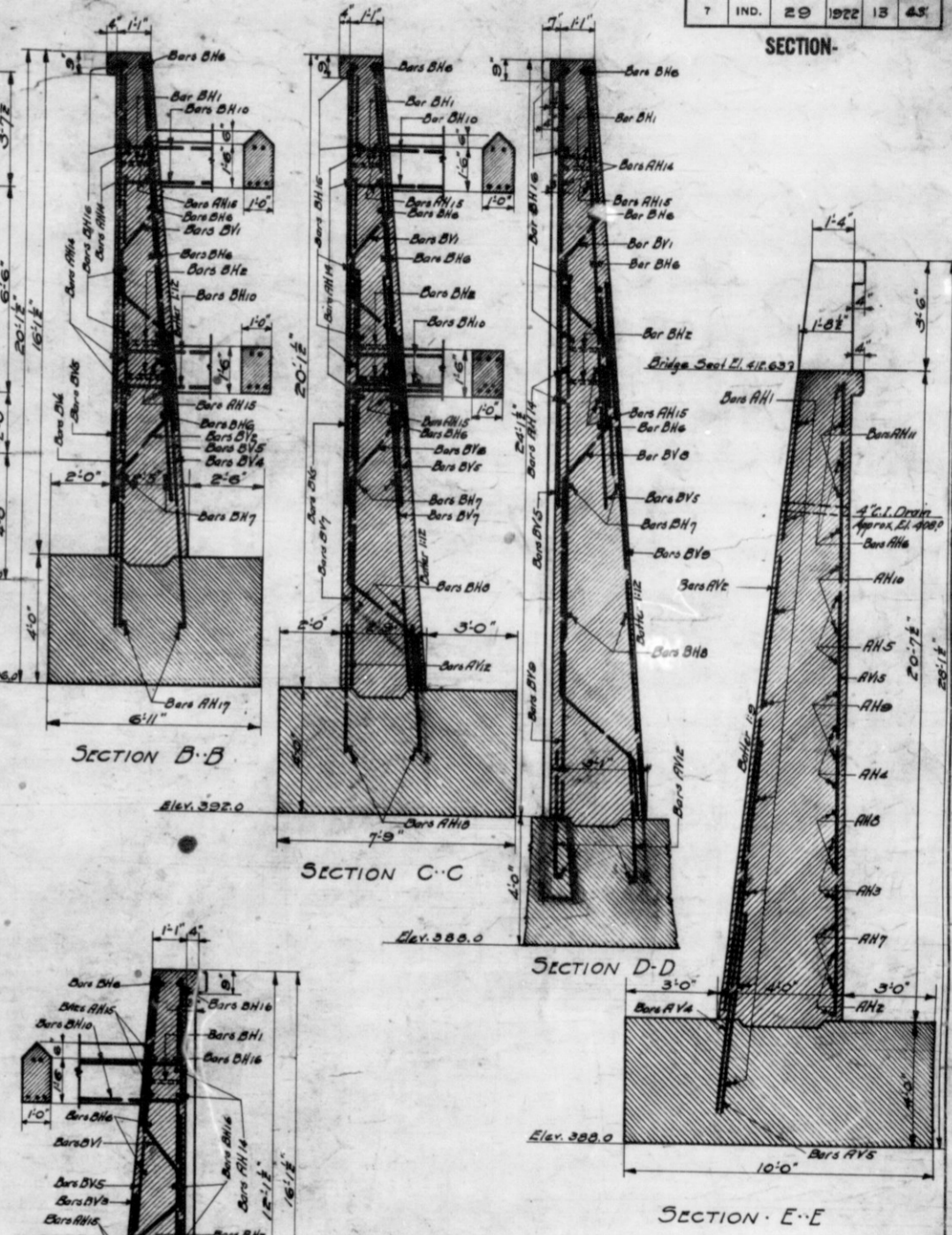




BRIDGES OVER 20' SPAN

|   |      |    |      |    |    |
|---|------|----|------|----|----|
| 7 | IND. | 29 | 1922 | 13 | 45 |
|---|------|----|------|----|----|

SECTION



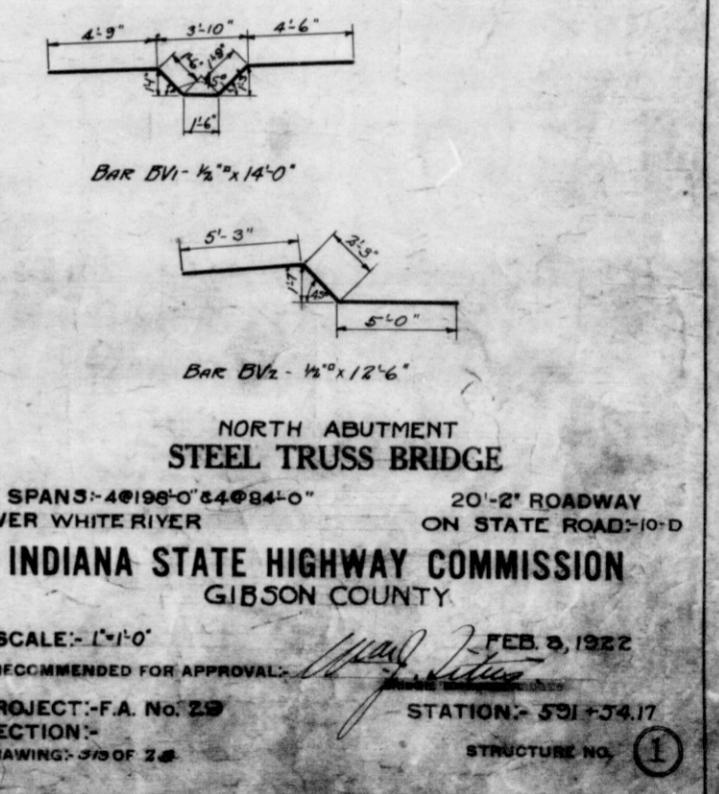
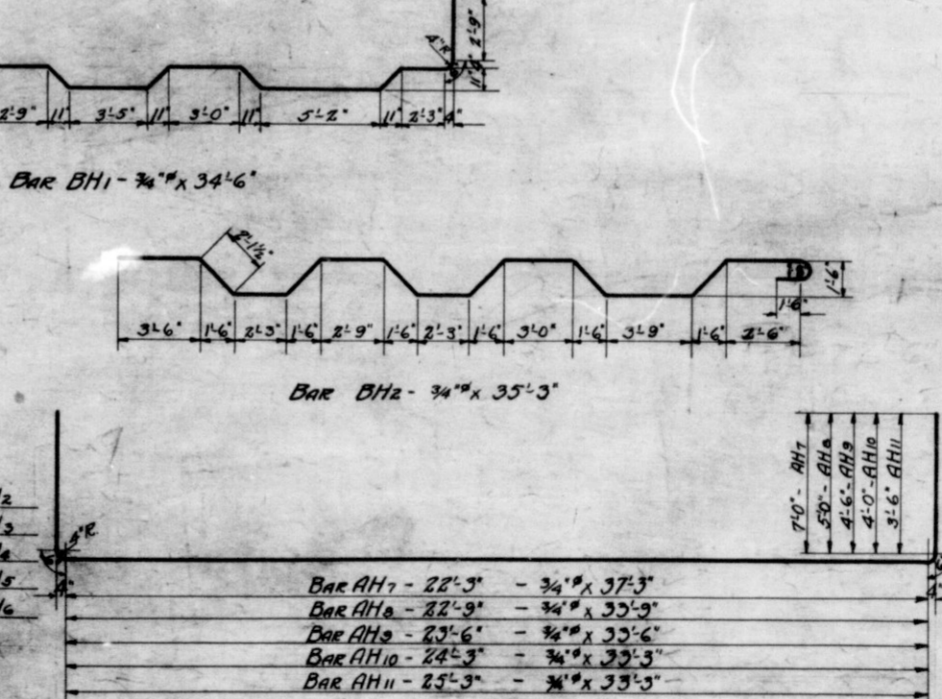
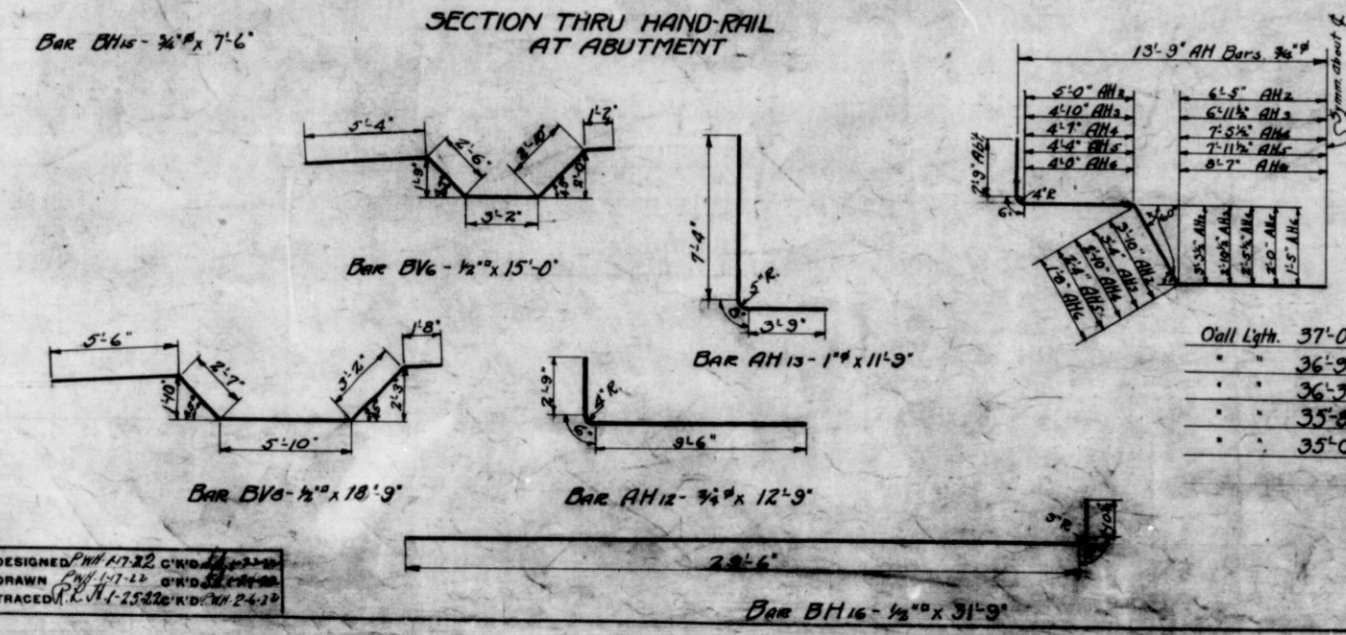
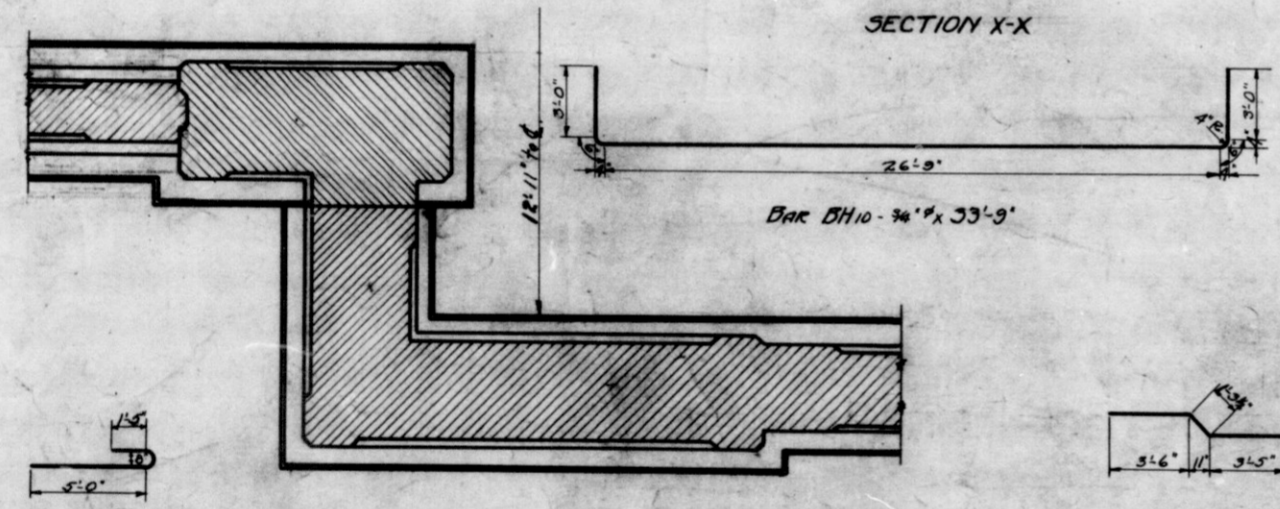
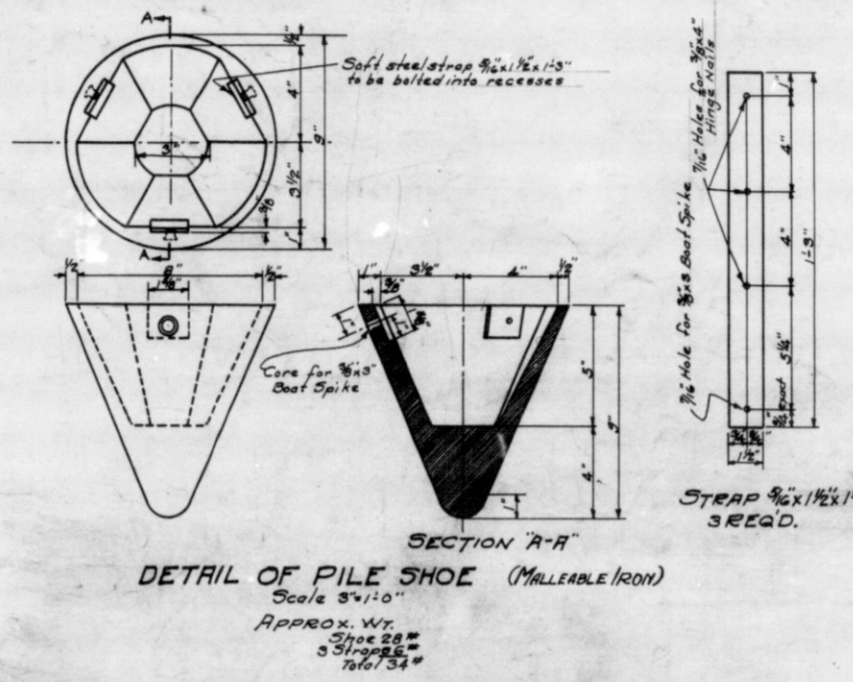
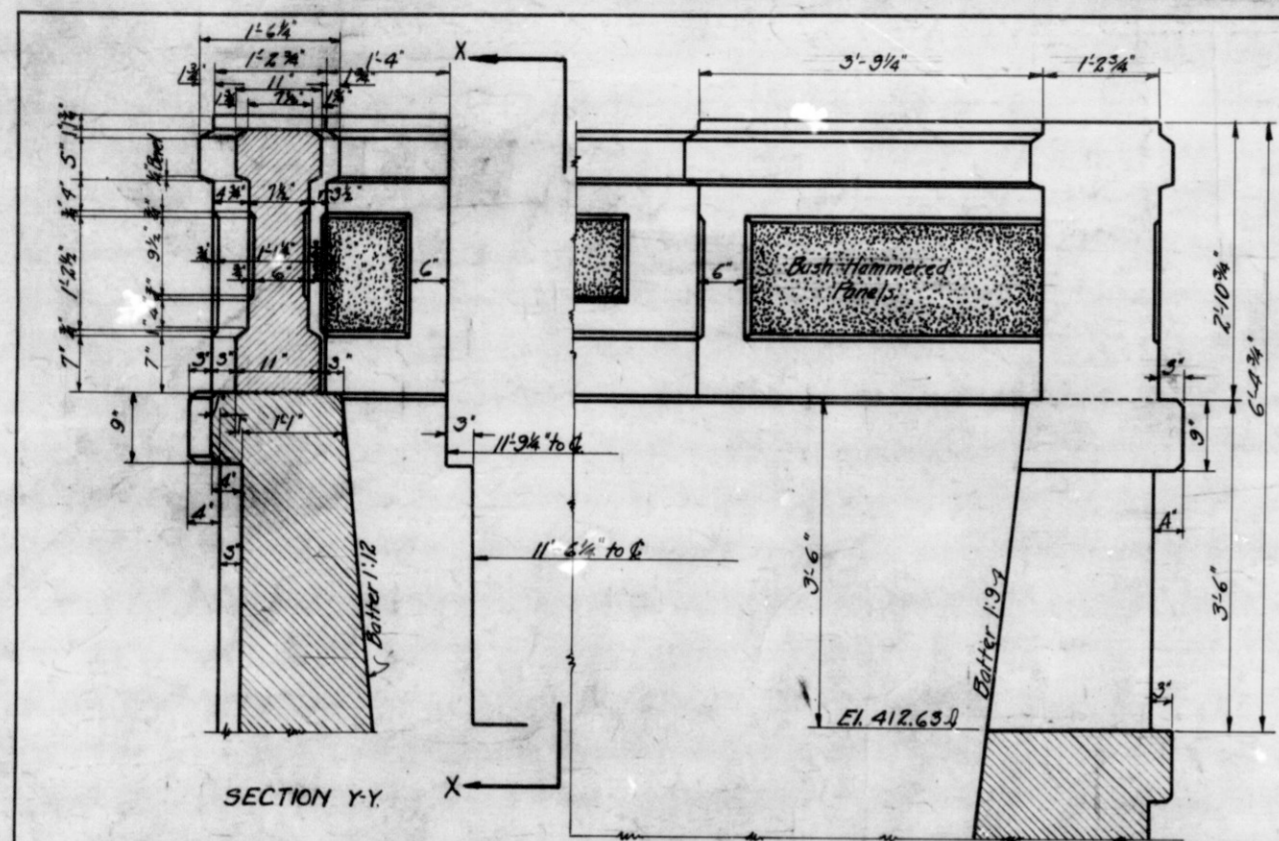
NORTH ABUTMENT  
**STEEL TRUSS BRIDGE**  
 3 SPANS - 49'198'-0" & 49'84'-0"  
 OVER WHITE RIVER  
 ON STATE ROAD 10-D  
**INDIANA STATE HIGHWAY COMMISSION**  
 GIBSON COUNTY

SCALE: 1/4" = 1'-0"  
 RECOMMENDED FOR APPROVAL: *J. J. [Signature]* FEB. 6, 1922  
 PROJECT: F.A. No. 29  
 SECTION: STATION: 591+54.17  
 DRAWING: 512 OF 28  
 STRUCTURE NO. 1

DESIGNED: W. H. [Signature]  
 DRAWN: W. H. [Signature]  
 TRACKED BY: [Signature]

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

HALF PLAN



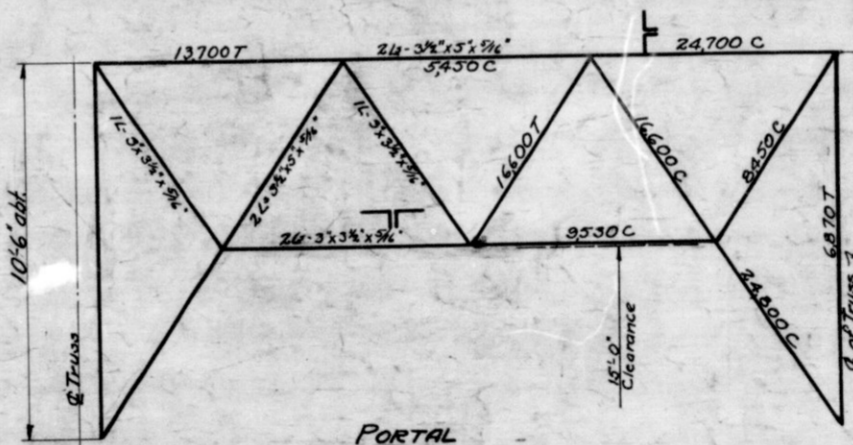
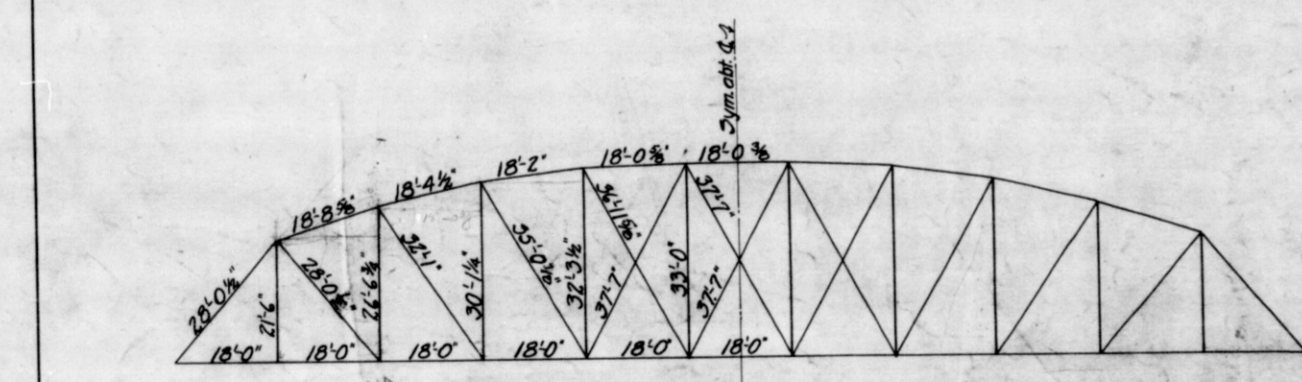
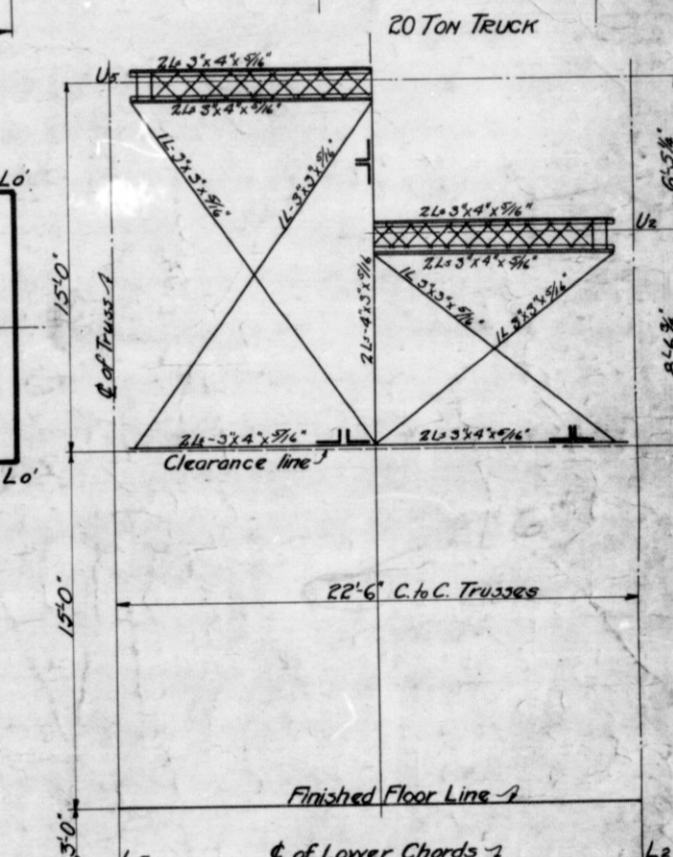
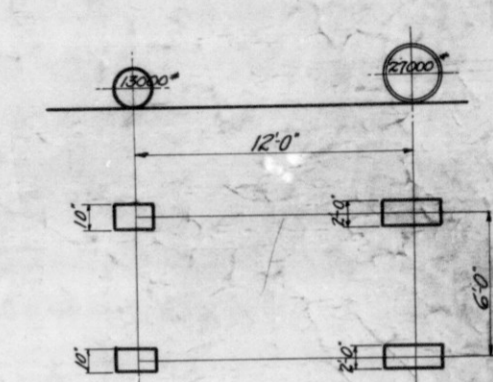
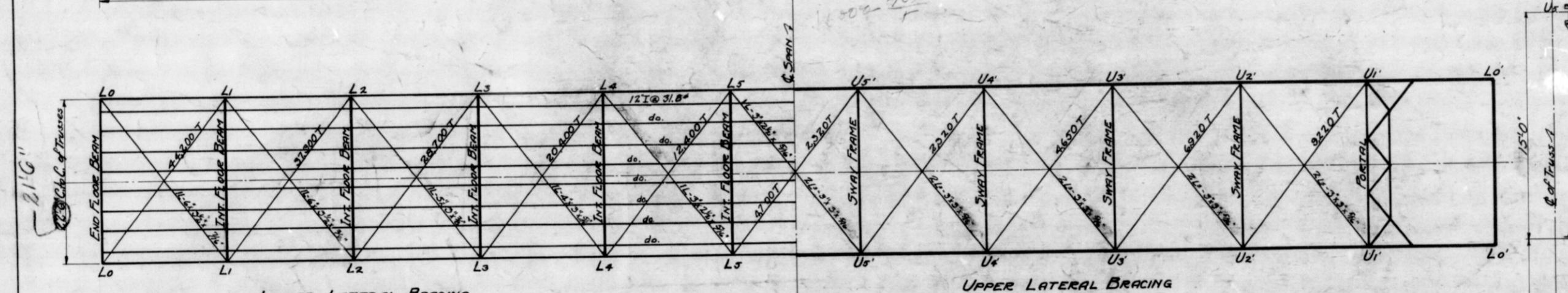
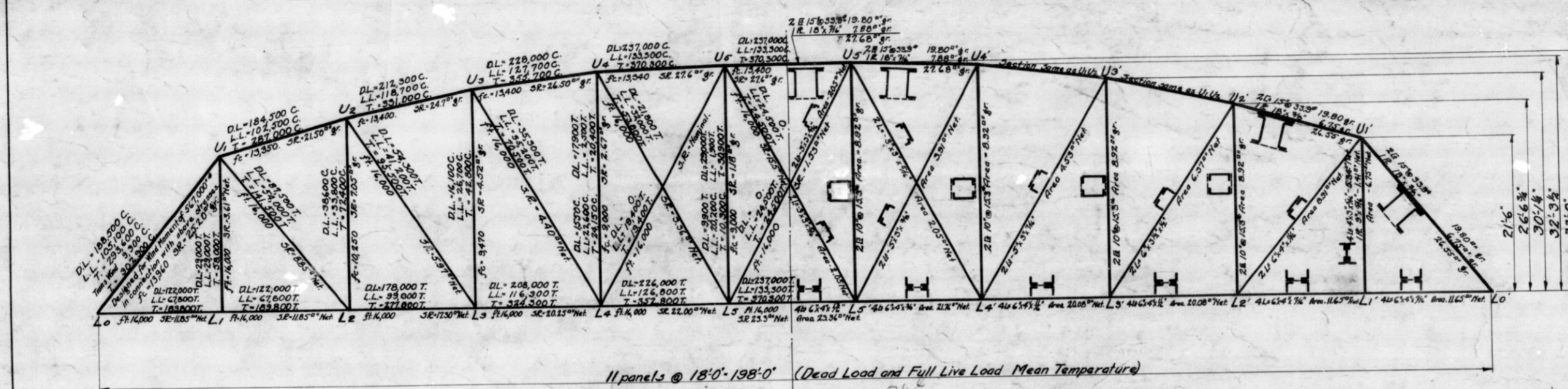
DESIGNED BY [Signature]  
DRAWN BY [Signature]  
TRACED BY [Signature]

**BRIDGES OVER 20' SPAN**

|      |      |     |        |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
|------|------|-----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1/2" | 3/4" | 1"  | 1 1/4" | 1 1/2" | 2"  | 3"  | 4"  | 6"  | 8"  | 10" | 12" | 15" | 20" | 24" | 30" | 36" | 48" | 60" | 72" | 96" | 120" |
| T    | IND. | ST. | TR.    | TR.    | TR. | TR. | TR. | TR. | TR. | TR. | TR. | TR. | TR. | TR. | TR. | TR. | TR. | TR. | TR. | TR. | TR.  |

**SECTION**

Assumed Loadings:  
 Dead Load 1611<sup>00</sup> per foot per Truss.  
 Live Load 90<sup>00</sup> per sq ft of Roadway  
 or Truck as per diagram.



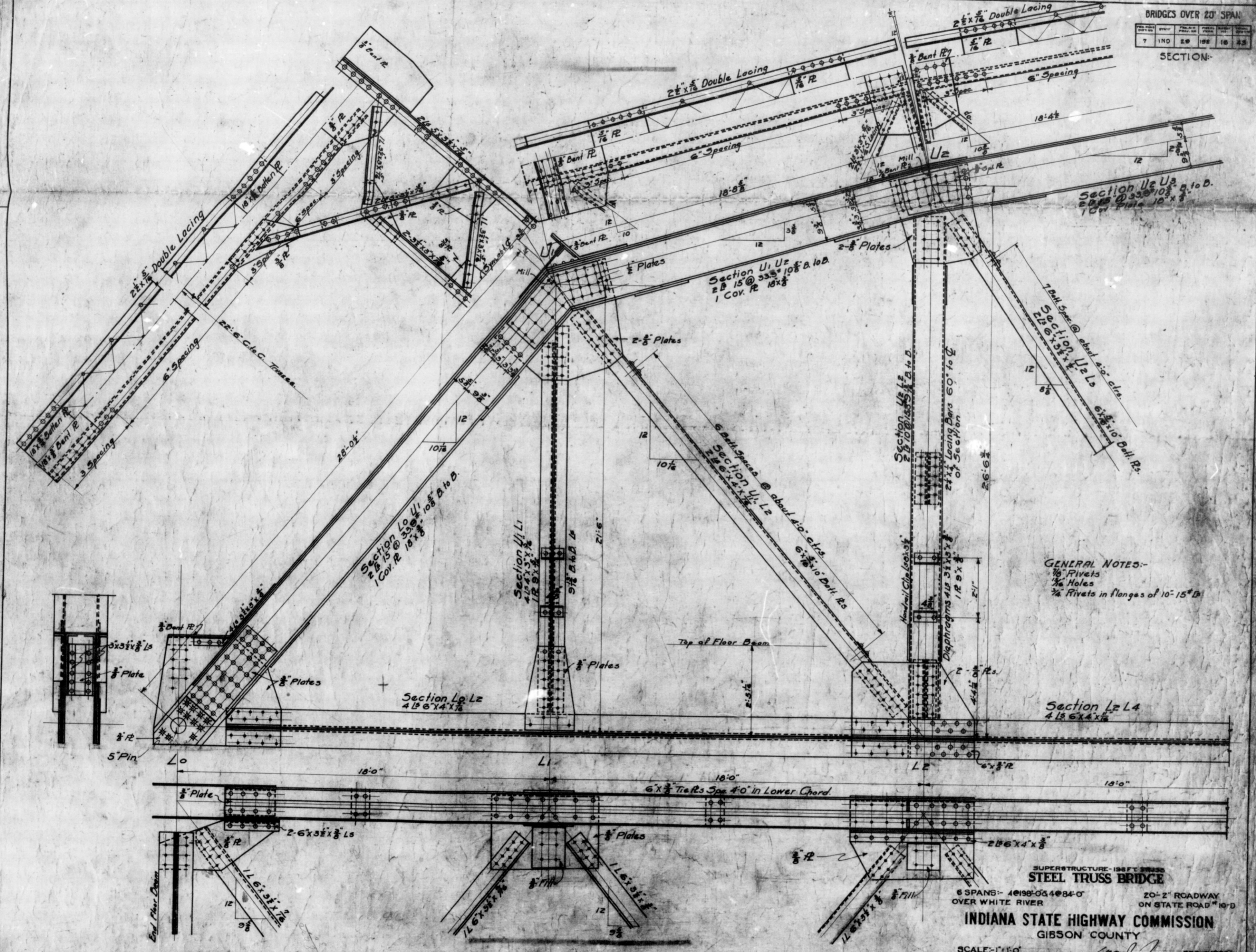
HALF SECTION U5L5 HALF SECTION U2L2  
 STRESS SHEET OF 198'0" TRUSS  
**STEEL TRUSS BRIDGE**  
 3 SPANS - 4@198'0" & 4@64'0" 20'-2" ROADWAY  
 OVER WHITE RIVER ON STATE ROAD 10-D  
**INDIANA STATE HIGHWAY COMMISSION**  
 GIBSON COUNTY  
 SCALE: 1/8" = 1'-0" FEB 8, 1922  
 RECOMMENDED FOR APPROVAL: [Signature] CHIEF, BUREAU OF BRIDGES  
 PROJECT: F.A. No. 29 STATION: 579+70  
 SECTION: DRAWING: 214 OF 26 STRUCTURE NO. 1

DESIGNED: [Signature] C.K.D. J.R.M. H.D.  
 DRAWN: [Signature] C.K.D. J.R.M. H.D.  
 TRACED: [Signature] 12/22/20 10/13/22

BRIDGES OVER 20' SPAN

|   |     |    |     |    |    |
|---|-----|----|-----|----|----|
| 7 | 1ND | 20 | 100 | 10 | 45 |
|---|-----|----|-----|----|----|

SECTION:



GENERAL NOTES:-  
 1/4" Rivets  
 1/4" Holes  
 3/4" Rivets in flanges of 10"-15" D

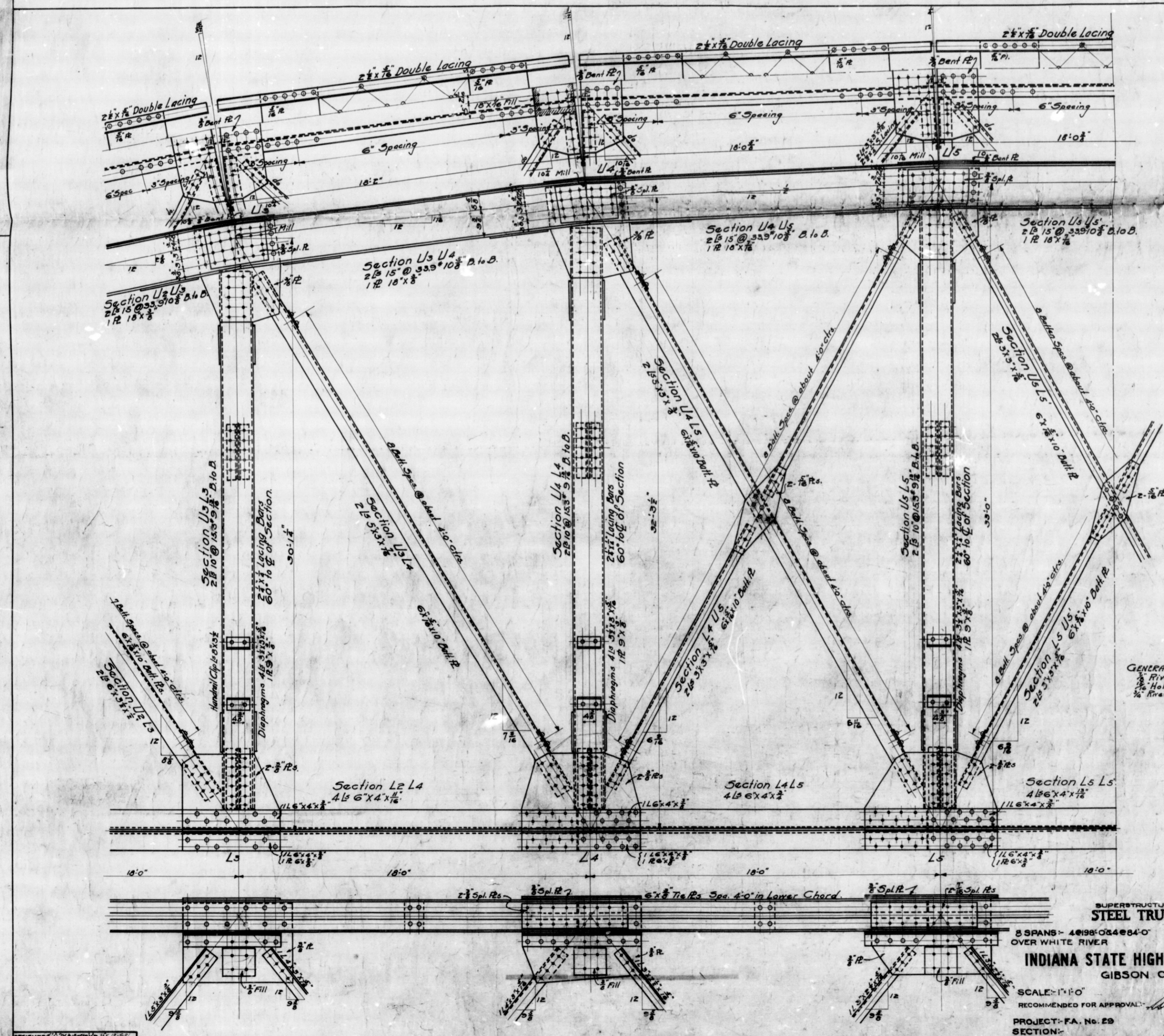
SUPERSTRUCTURE - 150 FT BRIDGE  
**STEEL TRUSS BRIDGE**  
 6 SPANS - 4@18'-0" 4@24'-0" 20'-2" ROADWAY  
 OVER WHITE RIVER ON STATE ROAD "10" D  
**INDIANA STATE HIGHWAY COMMISSION**  
 GIBSON COUNTY  
 SCALE - 1" = 1'-0"  
 RECOMMENDED FOR APPROVAL: [Signature]  
 PROJECT - FA No. 29 STATION - 575+70  
 DRAWING - 21-100 STRUCTURE No. 1

DESIGNED BY: [Name]  
 DRAWN BY: [Name]  
 CHECKED BY: [Name]

BRIDGES OVER 20' SPAN

|             |            |      |          |
|-------------|------------|------|----------|
| DESIGNED BY | CHECKED BY | DATE | SCALE    |
| 7           | 10         | 1922 | 1" = 10' |

SECTION: \_\_\_\_\_



GENERAL NOTES:-  
 1/2 Rivets  
 3/4 Rivets in Flanges of 10'-15' L3

SUPERSTRUCTURE-192 FT TRUSS  
**STEEL TRUSS BRIDGE**  
 8 SPANS - 4 @ 198'-0" & 4 @ 84'-0"  
 OVER WHITE RIVER  
 20'-2" ROADWAY  
 ON STATE ROAD "10-D"  
**INDIANA STATE HIGHWAY COMMISSION**  
 GIBSON COUNTY  
 SCALE: 1" = 10'  
 RECOMMENDED FOR APPROVAL: \_\_\_\_\_ FEB. 6, 1922  
 PROJECT: FA. No. 29  
 SECTION: \_\_\_\_\_ STATION: 573+10  
 DRAWING: 518 OF 63  
 STRUCTURE NO. 1

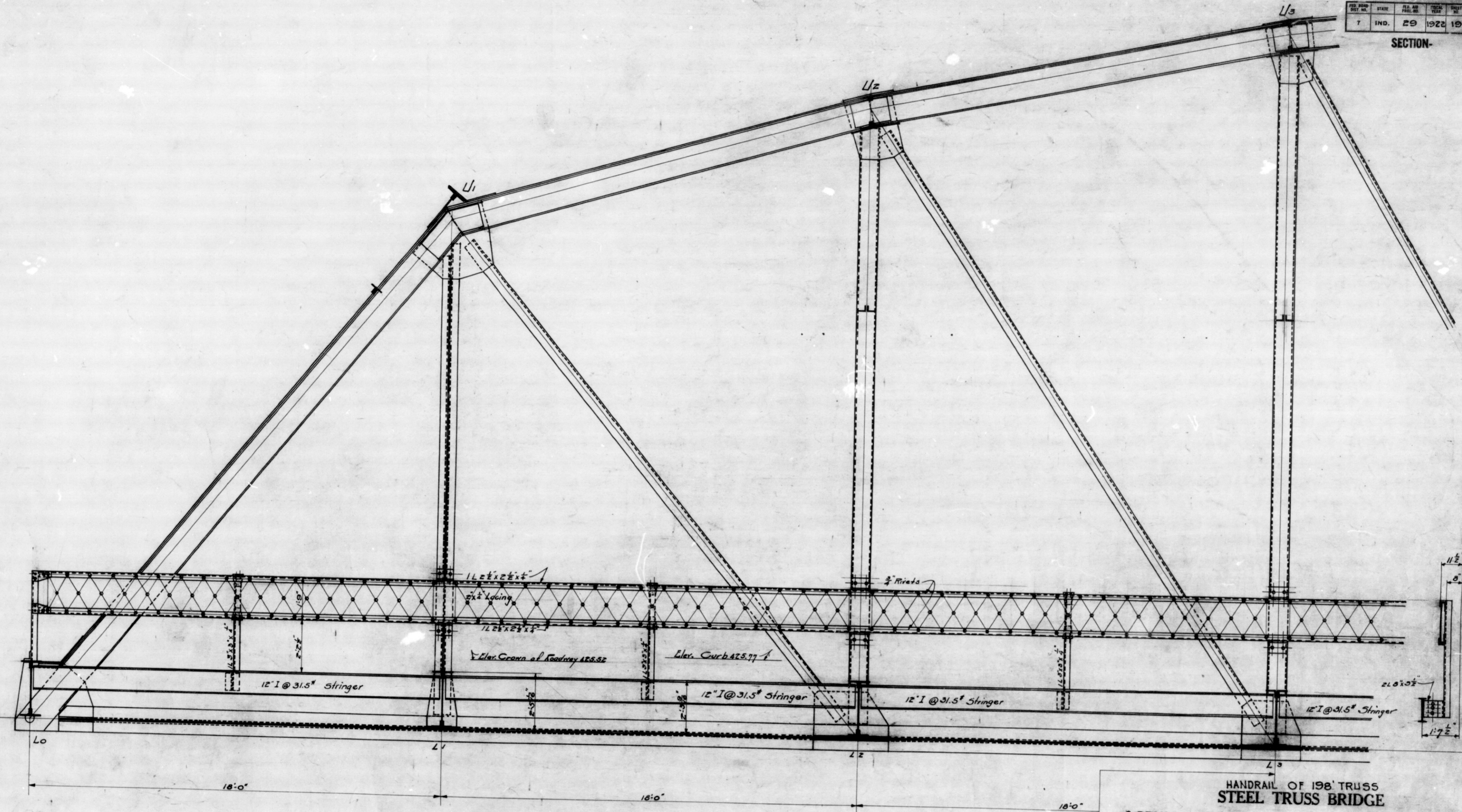
DESIGNED BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_



BRIDGES OVER 20' SPAN

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | CONTRACT NO. | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|--------------|-----------|--------------|
| 7                   | IND.  | 29                 | 1922 19      | 44        |              |

SECTION-



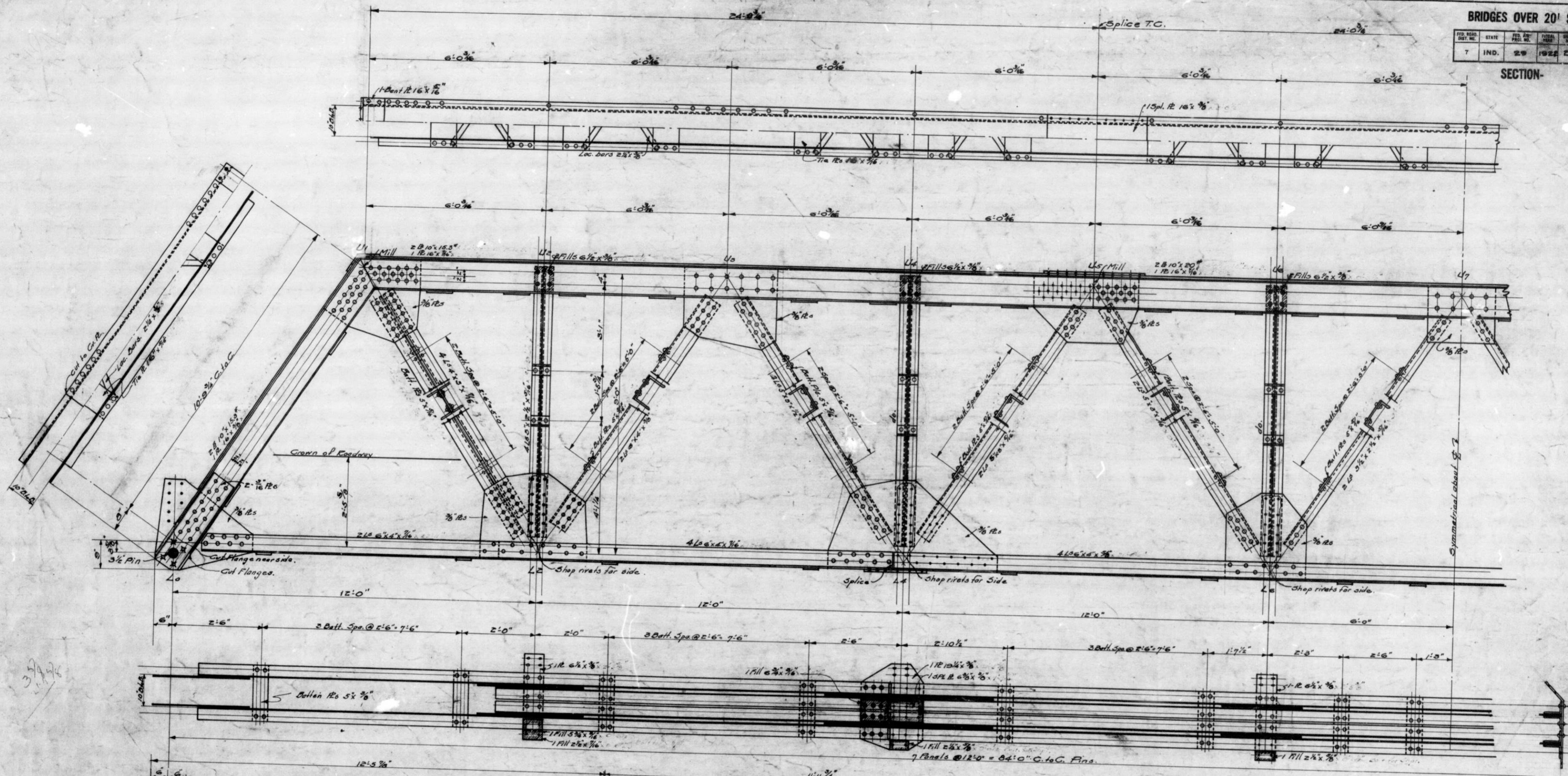
HANDRAIL OF 198' TRUSS  
**STEEL TRUSS BRIDGE**  
 3 SPANS - 4@198'-0" & 4@84'-0" 20'-0" ROADWAY  
 OVER WHITE RIVER ON STATE ROAD 100  
**INDIANA STATE HIGHWAY COMMISSION**  
 GIBSON COUNTY  
 SCALE:  $\frac{1}{2}'' = 1'-0''$  FEB 8, 1922  
 RECOMMENDED FOR APPROVAL: *[Signature]* CHIEF, BUREAU OF BRIDGES  
 PROJECT: F.A. No. 29 STATION: 579+70  
 SECTION: DRAWING: 518 OF 29 STRUCTURE NO. 1

DESIGNED BY: W. H. 21 C. N. D. J. F. 11. 21  
 DRAWN BY: W. H. 21 C. N. D. J. F. 11. 21  
 TRACED BY: W. H. 21 C. N. D. J. F. 11. 21

BRIDGES OVER 20' SPAN

| DES. PROJ. NO. | STATE | FED. RD. DIST. NO. | SECTION | SHEET NO. | TOTAL SHEETS |
|----------------|-------|--------------------|---------|-----------|--------------|
| T IND. 29      | IN    | 29                 | 20      | 20        | 48           |

SECTION



General Notes:-  
 Metals 70% Min. in P.L. Conn.  
 70% Min. in Except P.L. Conn.  
 Edge 1 1/2" for 3" Rivets unless noted.  
 1 1/2" - 2"

MAKE 8 TRUSSES

HAND RAILING END SECTION

HAND RAILING INT. SECTION

SUPERSTRUCTURE - 84' ST. SPAN  
 STEEL TRUSS BRIDGE

8 SPANS - 4 @ 198'-0" & 4 @ 84'-0"  
 OVER WHITE RIVER  
 20'-2" ROADWAY  
 ON STATE ROAD "10-D"

INDIANA STATE HIGHWAY COMMISSION  
 GIBSON COUNTY

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

RECOMMENDED FOR APPROVAL:

FEB. 6, 1922  
 CHIEF, BUREAU OF BRIDGES

PROJECT - F.A. No. 29

STATION - 579+70

SECTION -

STRUCTURE NO. 1

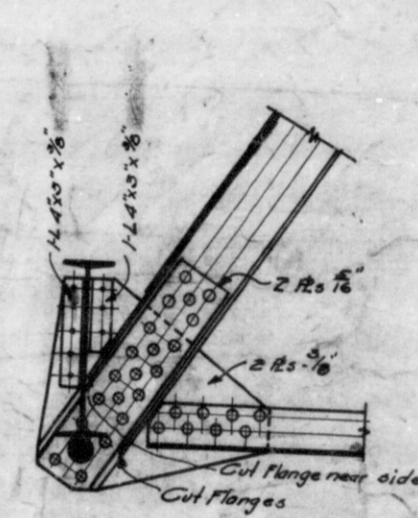
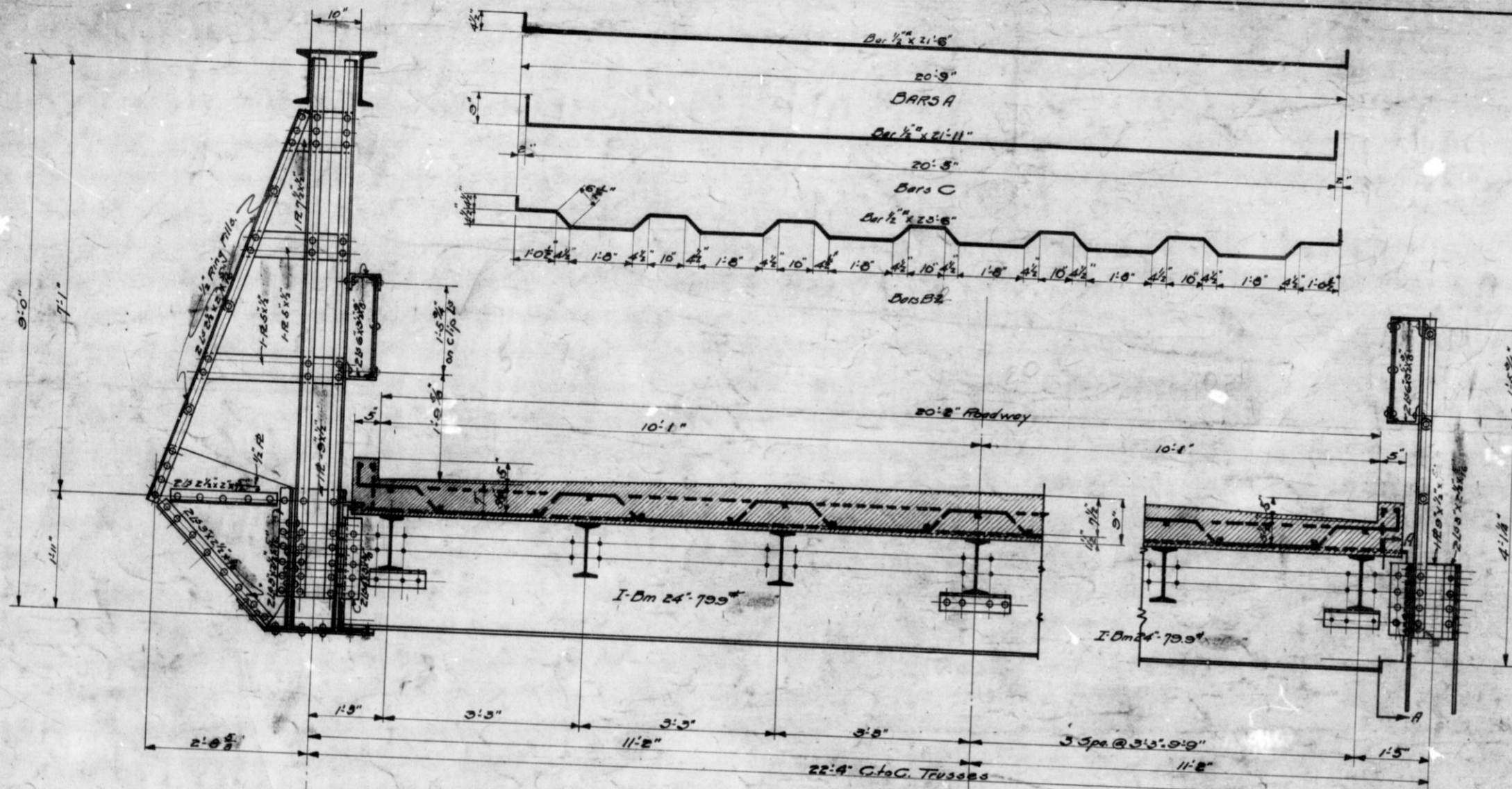
DESIGNED: J.E. H. ...  
 DRAWN: J.E. H. ...  
 TRACED: J.E. H. ...



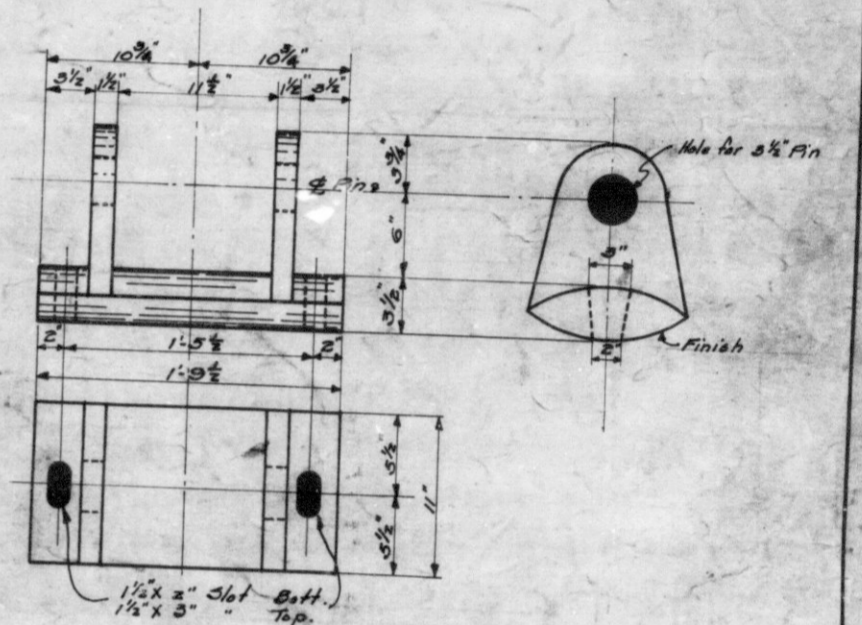
BRIDGES OVER 20' SPAN

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FED. AID FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|----------------------|-----------|--------------|
| 7                   | IND.  | RS                 | 1922                 | 21        | 28           |

SECTION-

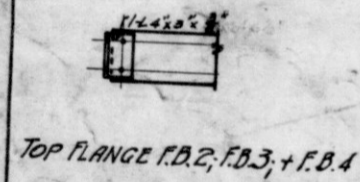


SECTION A-A



ROCKER (CAST STEEL)

Scale 1/2"=1'-0"



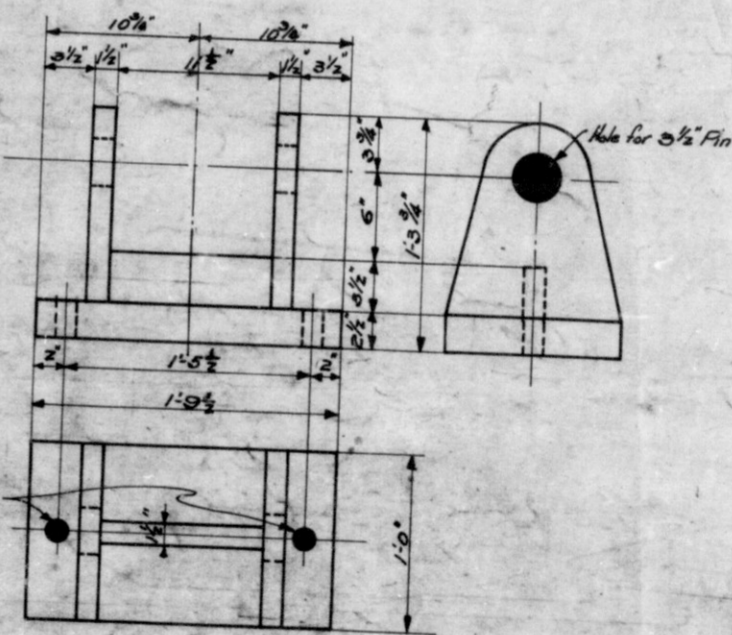
TOP PLANGE F.B.2, F.B.3, & F.B.4



DETAILS F.B.2, F.B.3, & F.B.4.

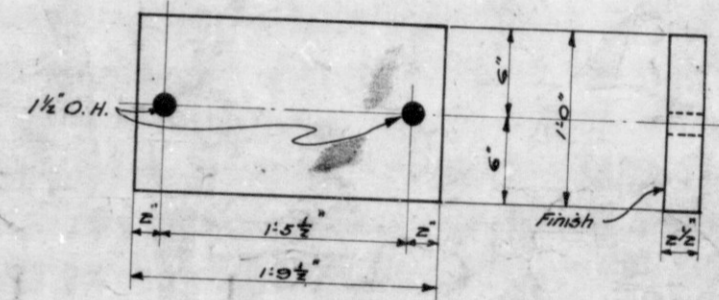
DETAIL OF ENDS F.B.1

- Make Mark F.B.1.
- F.B.2.
- F.B.3.
- F.B.4.



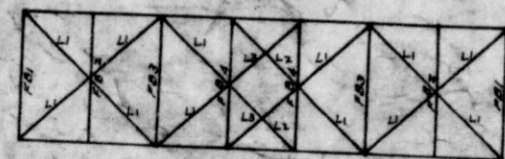
FIXED SHOE (CAST STEEL)

Scale 1/2"=1'-0"

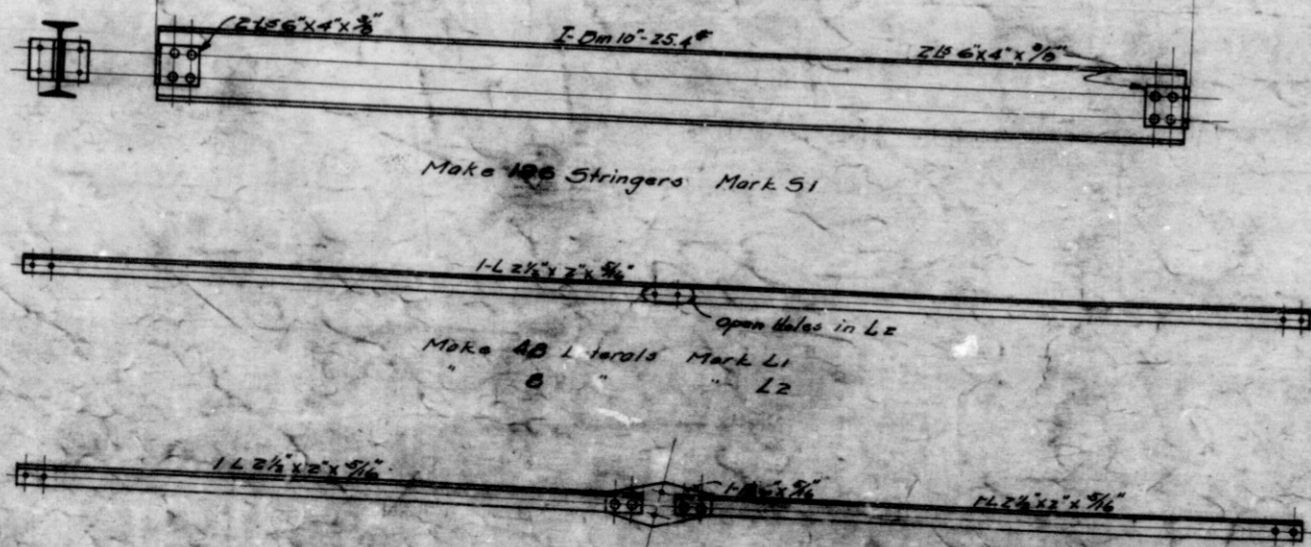


BED PLATE (CAST STEEL)

Scale 1/2"=1'-0"



MARKING DIAGRAM.



Make 100 Stringers Mark 51

Make 40 L Beams Mark L1

Make 6 Letars's Mark L3.



PIN

SUPERSTRUCTURE - 84 FT. SPAN STEEL TRUSS BRIDGE

5 SPANS - 4 @ 198'-0" & 4 @ 84'-0" OVER WHITE RIVER

20'-8" ROADWAY ON STATE ROAD #10-B

INDIANA STATE HIGHWAY COMMISSION GIBSON COUNTY

SCALE: 3/4"=1'-0" EXCEPT AS NOTED

FEB. 6, 1922

RECOMMENDED FOR APPROVAL:

*Handwritten signature*

PROJECT: F.A. No. RS

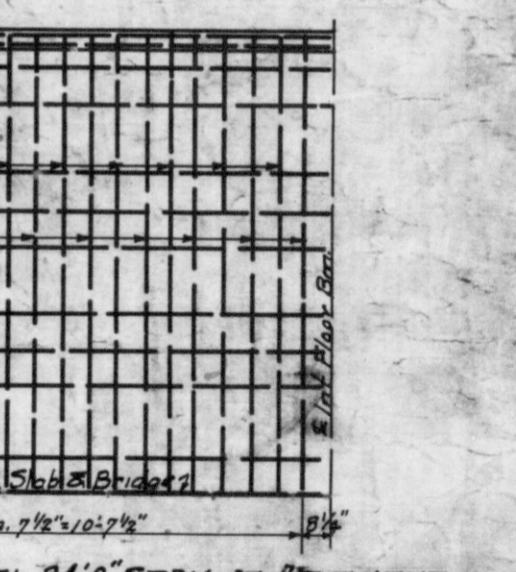
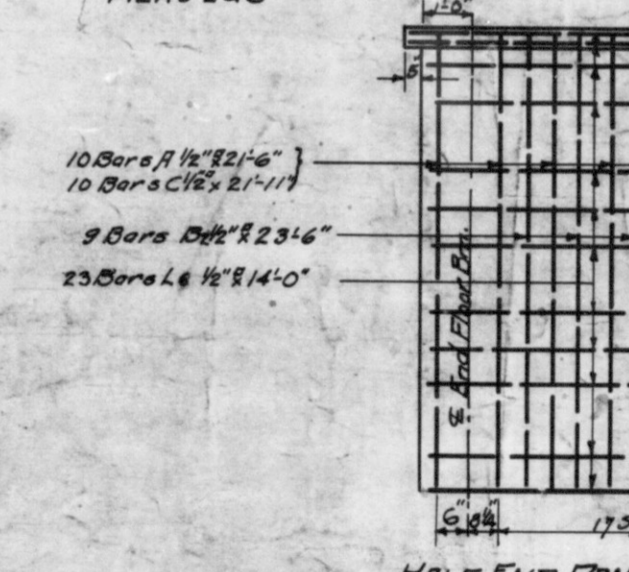
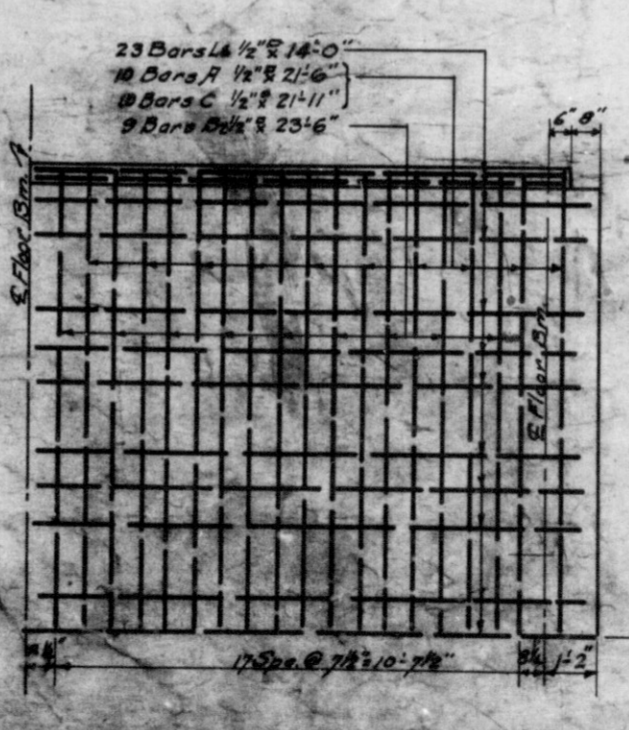
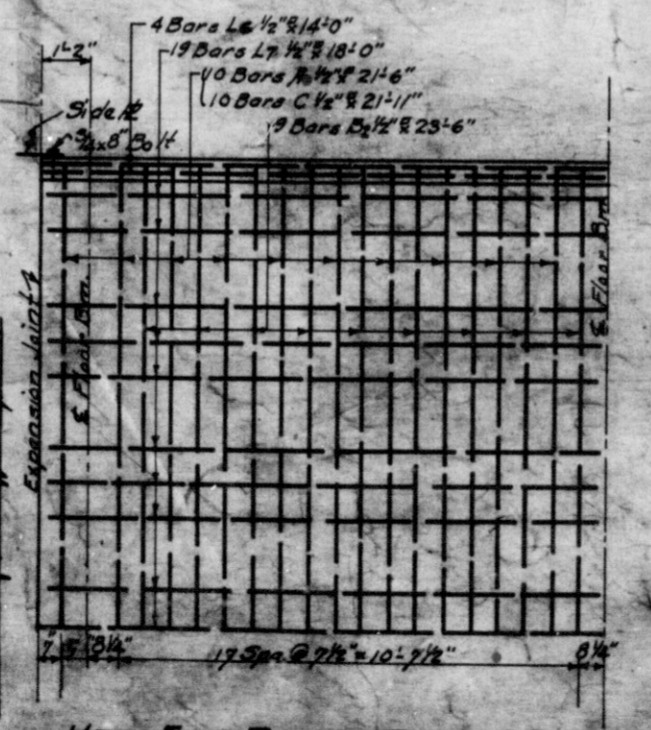
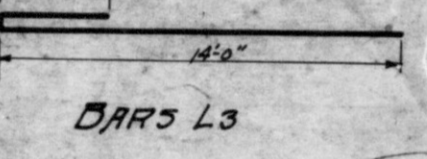
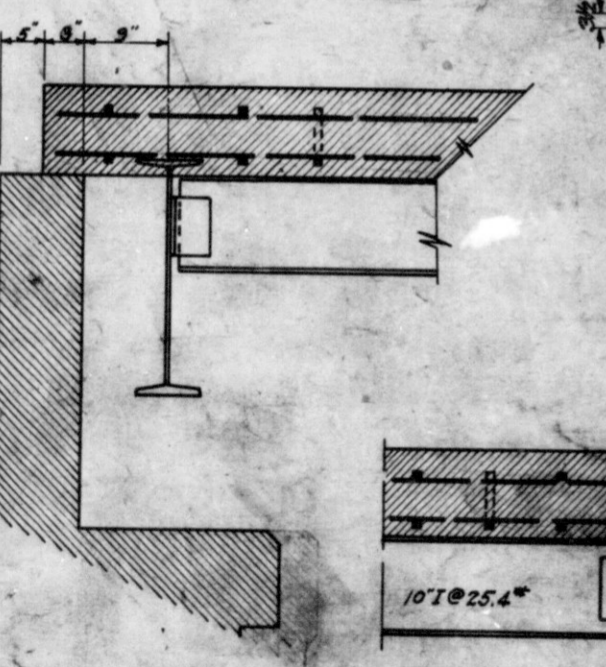
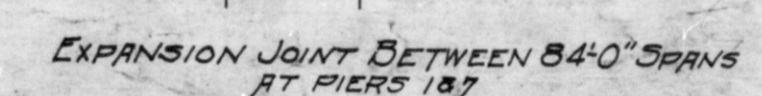
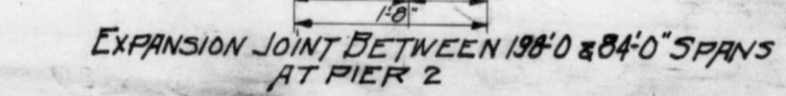
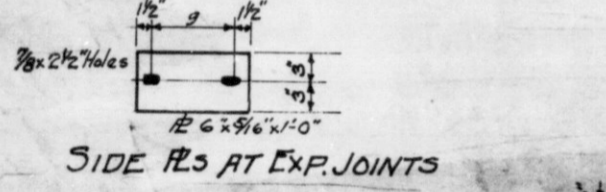
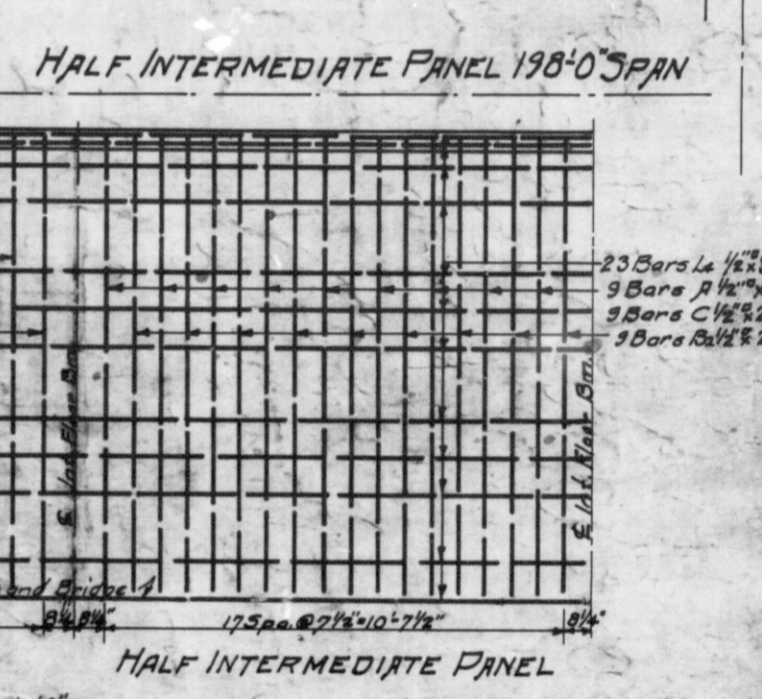
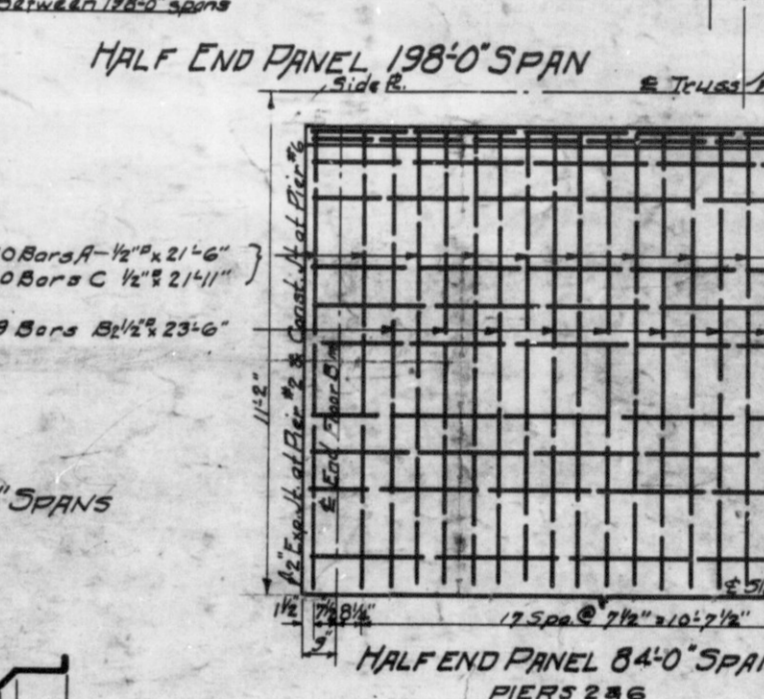
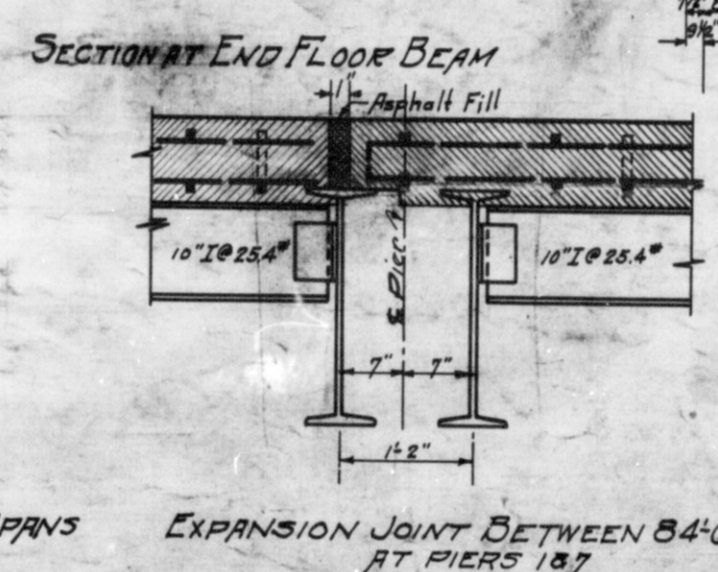
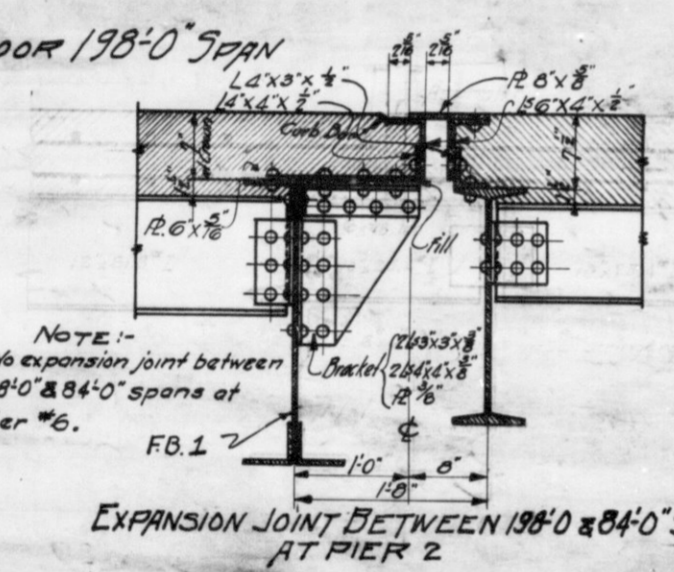
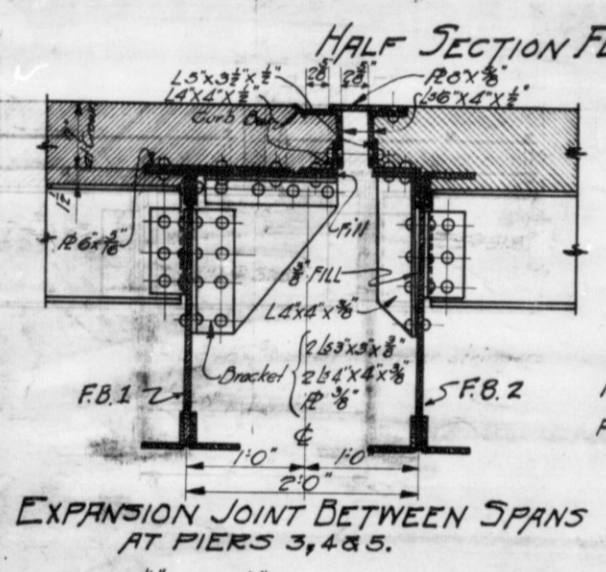
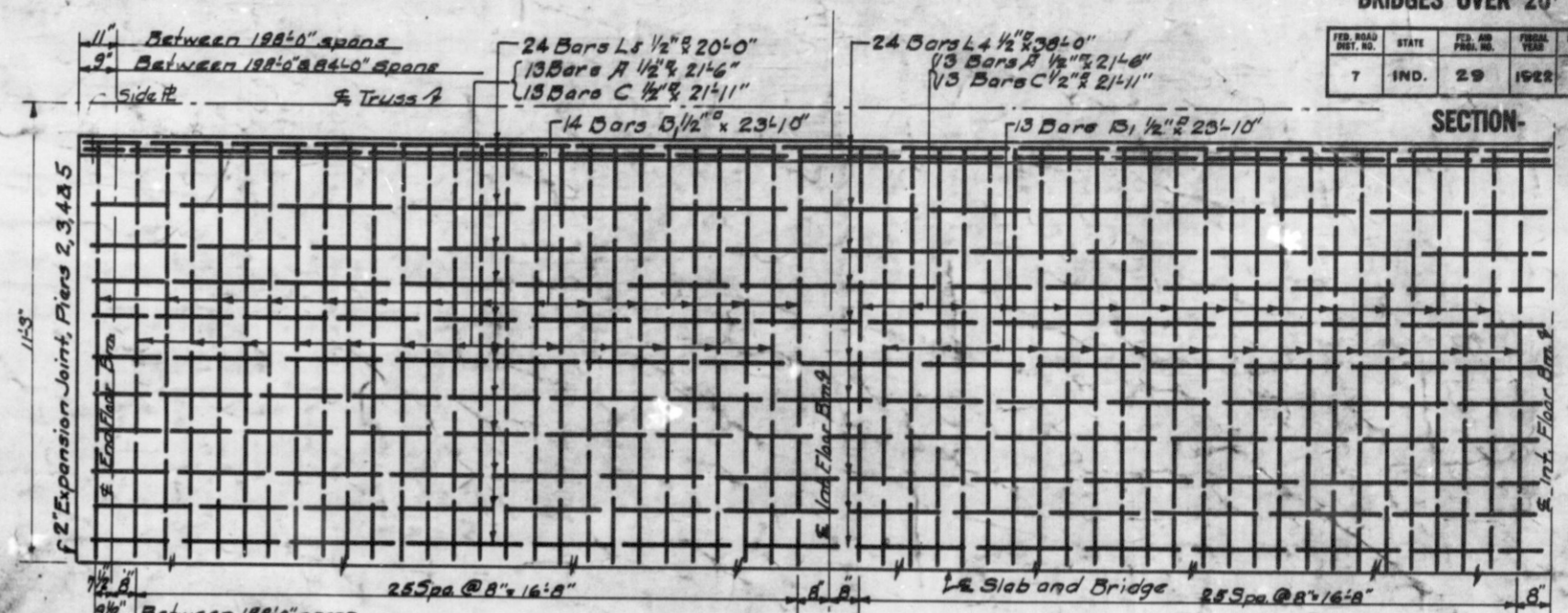
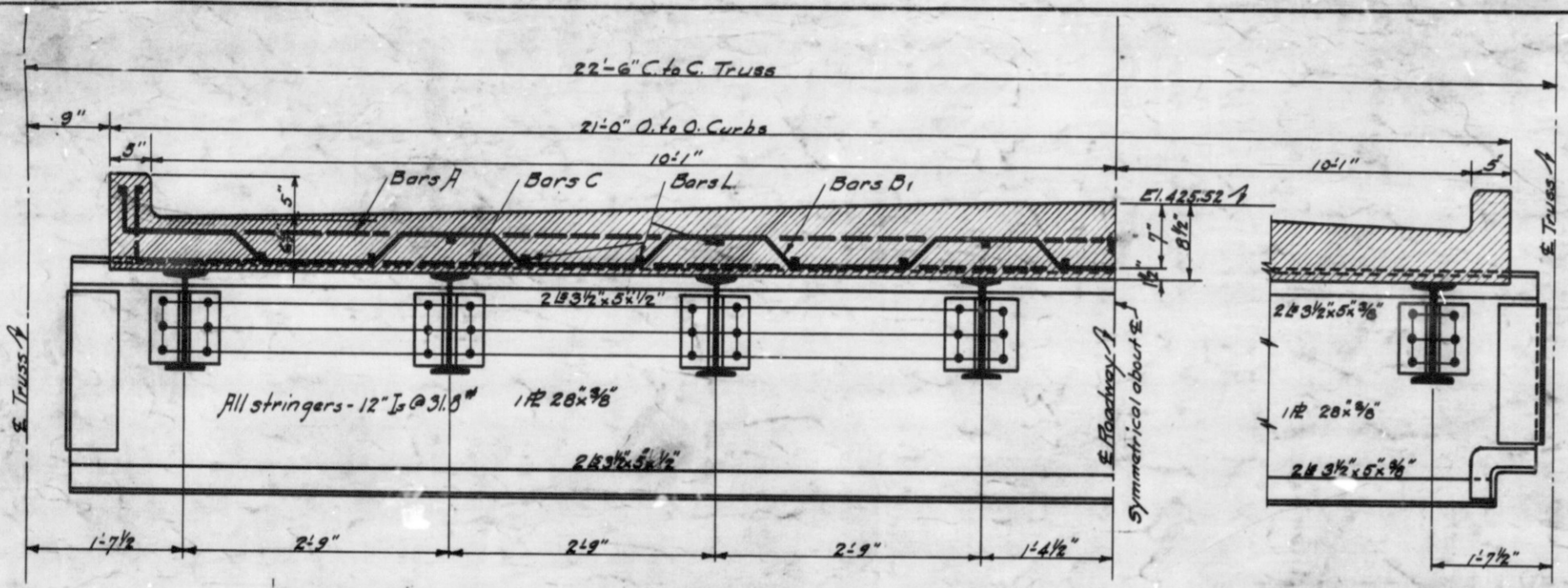
STATION - 579+70

SECTION:

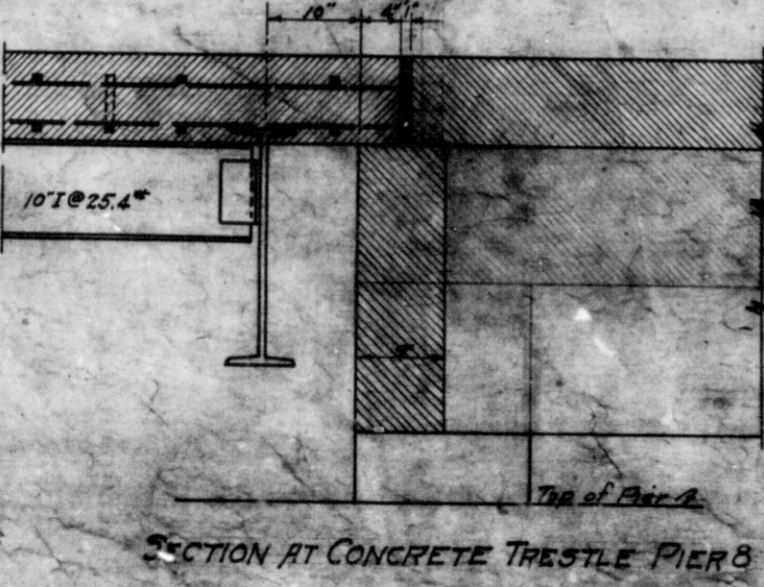
STRUCTURE NO. 1

DESIGNED: F.K.N. 11/21/01  
DRAWN: F.K.N. 11/21/01  
TRACED: J.H. 8-20-21

| FED. ROAD DIST. NO. | STATE | FILE NO. | YEAR | SHEET | TOTAL |
|---------------------|-------|----------|------|-------|-------|
| 7                   | IND.  | 29       | 1922 | 22    | 49    |



SECTION AT S. ABUTMENT



SECTION AT CONCRETE TRESTLE PIER 8

FLOOR DETAILS ON STEEL SPANS  
STEEL TRUSS BRIDGE

8 SPANS: 4@198'-0" & 4@84'-0" 20'-2" ROADWAY ON STATE ROAD 10-D OVER WHITE RIVER

INDIANA STATE HIGHWAY COMMISSION  
GIBSON COUNTY

SCALE: 3/8" = 1'-0" RECOMMENDED FOR APPROVAL: [Signature] CHIEF, BUREAU OF BRIDGES

PROJECT: F.A. No. 29 STATION: 579+70 DRAWING: FBI OF 26 STRUCTURE NO. 1

DESIGNED: P.W.H./R.B.J./C.K.D./F.K.R./J.S.  
DRAWN: P.W.H./R.B.J./C.K.D./F.K.R./J.S.  
TRACED: A.M./R.B.J./C.K.D./F.K.R./J.S.

Revised 7-27-22

Table with columns: DIST. ROAD DIST. NO., STATE, YEAR, DIST. NO., SHEET NO., TOTAL SHEETS.

BILL OF MATERIAL- BENTS

Table with columns: Mark No, Size, Length, Location, Total Length, Weight. Includes sub-sections for REINFORCING STEEL, CONCRETE, and MISCELLANEOUS.

BILL OF MATERIAL- PIERS

Table with columns: Pier No., Class, Concrete, Piling. Includes sub-sections for CONCRETE AND PILING, REINFORCING STEEL, and MISCELLANEOUS.

BILL OF MATERIAL- UNIT # 2

Table with columns: Mark No, Size, Length, Location, Total Length, Weight. Includes sub-sections for REINFORCING STEEL, CONCRETE, and MISCELLANEOUS.

BILL OF MATERIAL- N. ABUT.

Table with columns: Mark No, Size, Length, Location, Total Length, Weight. Includes sub-sections for REINFORCING STEEL, CONCRETE, and MISCELLANEOUS.

BILL OF MATERIAL-UNIT # 7

Table with columns: Mark No, Size, Length, Location, Total Length, Weight. Includes sub-sections for REINFORCING STEEL, CONCRETE, and MISCELLANEOUS.

BILL OF MATERIAL-FL. SLAB

Table with columns: Mark No, Size, Length, Location, Total Length, Weight. Includes sub-sections for REINFORCING STEEL, CONCRETE, and MISCELLANEOUS.

BILL OF MATERIAL-UNIT # 1

Table with columns: Mark No, Size, Length, Location, Total Length, Weight. Includes sub-sections for REINFORCING STEEL, CONCRETE, and MISCELLANEOUS.

SECTION-

BILL OF MATERIAL- S. ABUT.

Table with columns: Mark No, Size, Length, Location, Total Length, Weight. Includes sub-sections for REINFORCING STEEL, CONCRETE, and MISCELLANEOUS.

SUMMARY table with columns: DIVISION, CONCRETE-CU. YDS., REINFORCING STEEL, MISCELLANEOUS.

GENERAL NOTES - Bills of Materials for Units 3, 4, 5, 6, 7, 8, 9 same as for Unit 2. Bill of Materials for Span H same as for Span A.

MISCELLANEOUS - 90 Cast Iron Roadway Drains, 42 4" C.I. Pipe Drains, 6-4 3/4" Cast Iron Pipe Drains, 261 Malleable Iron Pile Shoes.

BILL OF MATERIAL STEEL TRUSS BRIDGE 3 SPANS-4@198'-0" & 4@84'-0" OVER WHITE RIVER 20'-2" ROADWAY ON STATE ROAD-10-D INDIANA STATE HIGHWAY COMMISSION GIBSON COUNTY

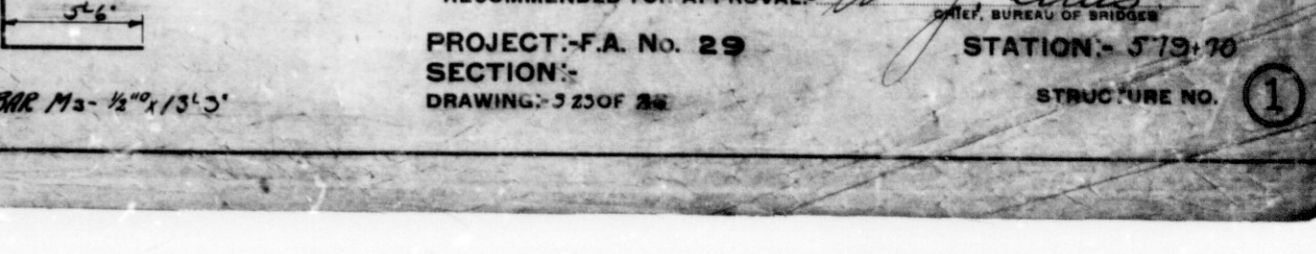
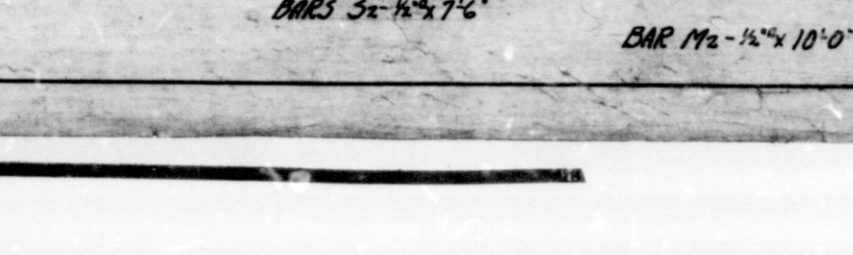
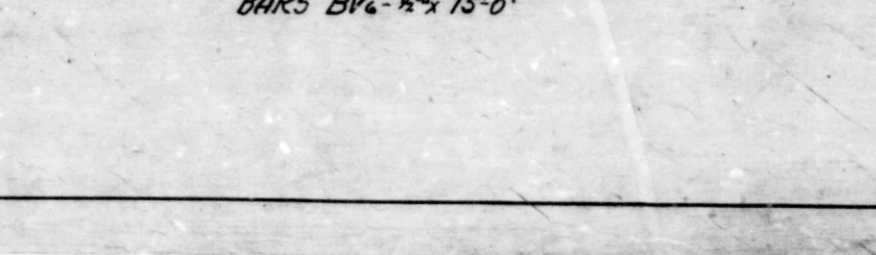
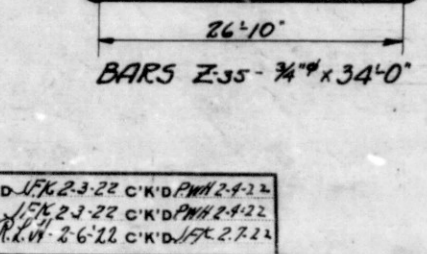
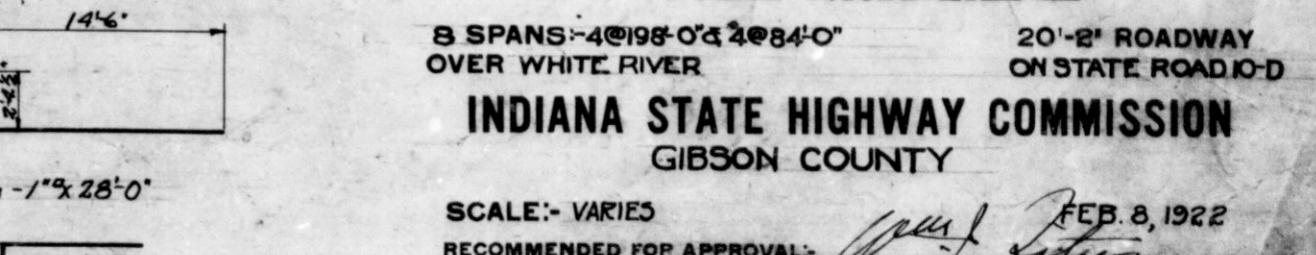
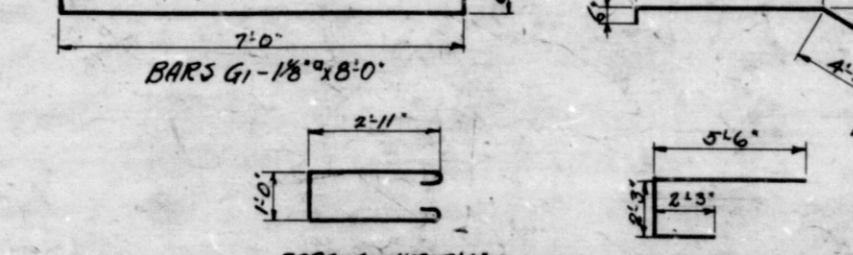
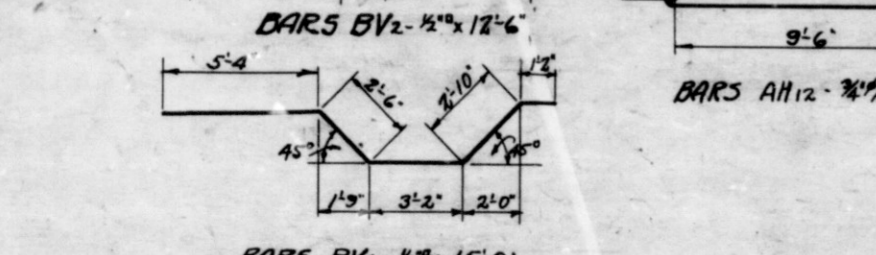
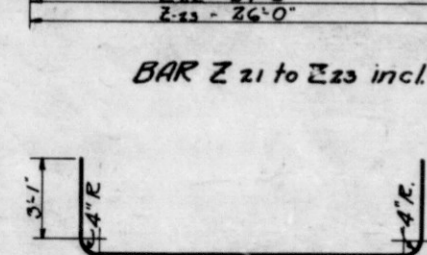
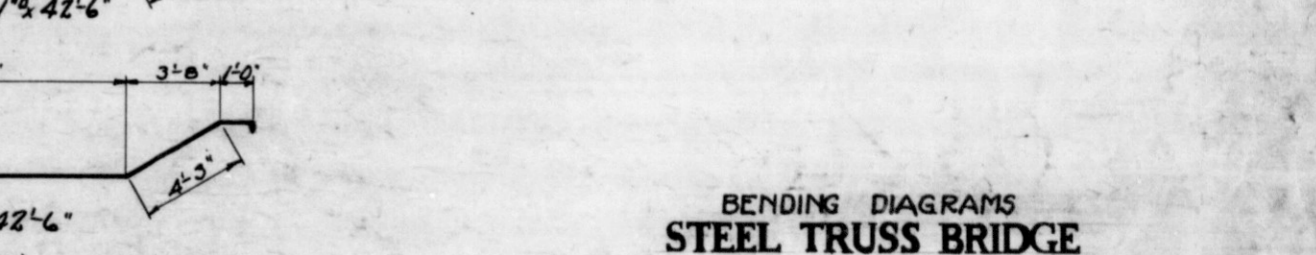
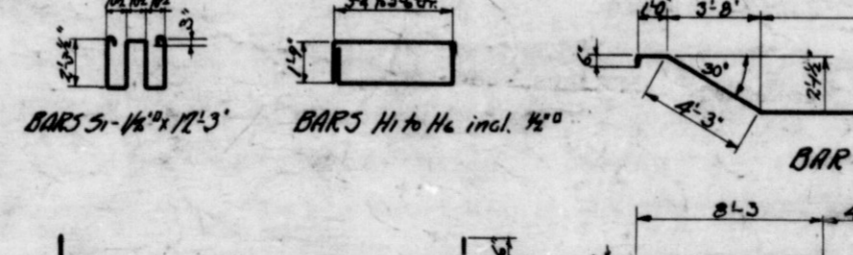
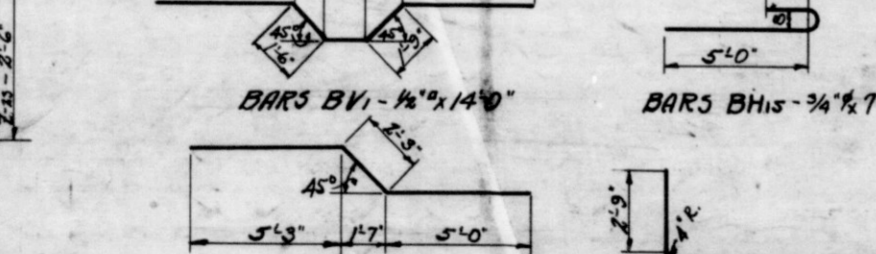
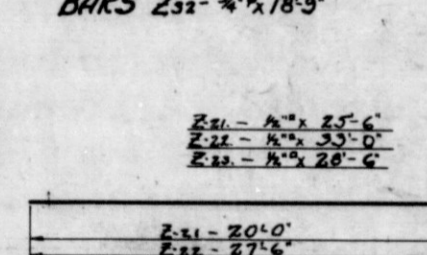
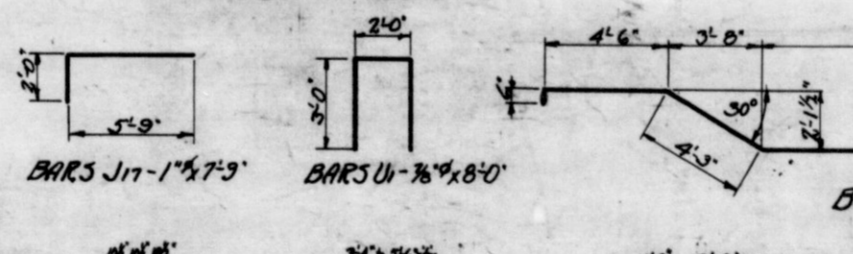
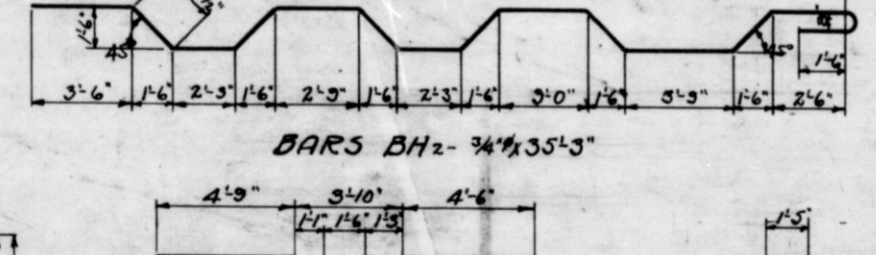
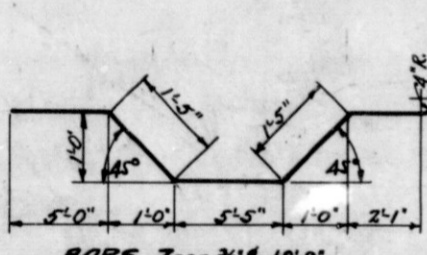
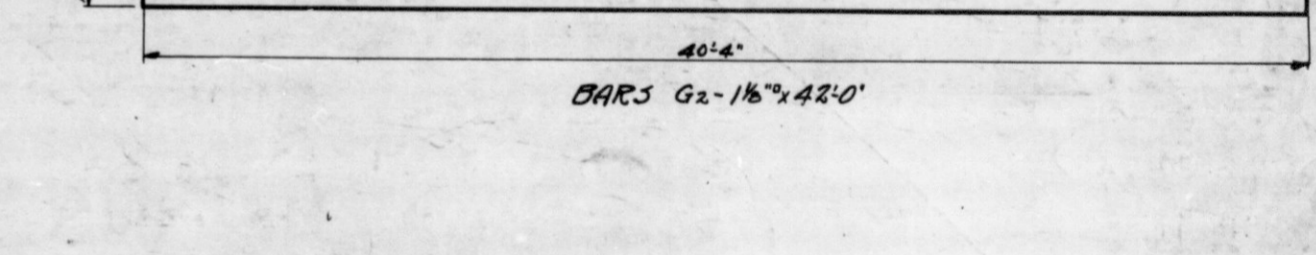
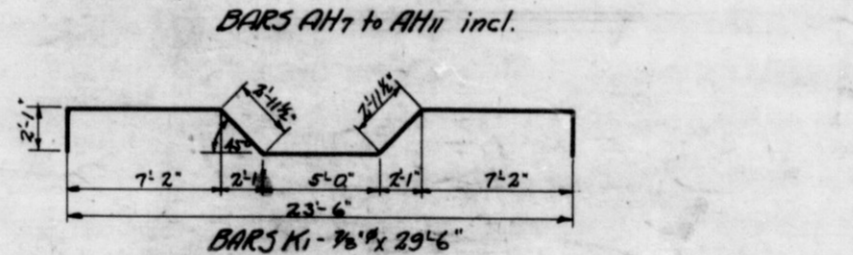
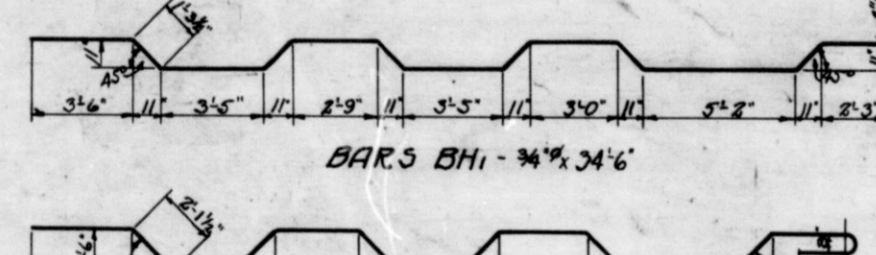
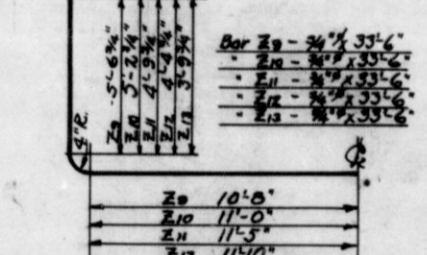
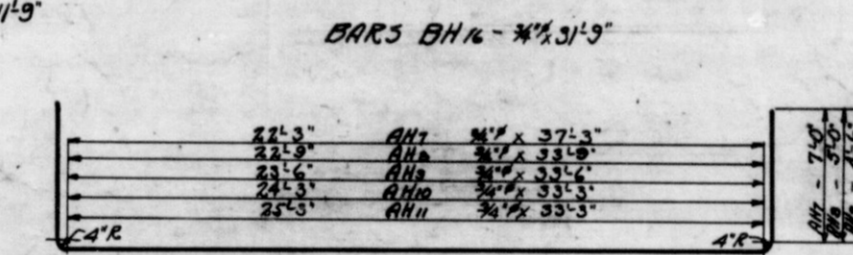
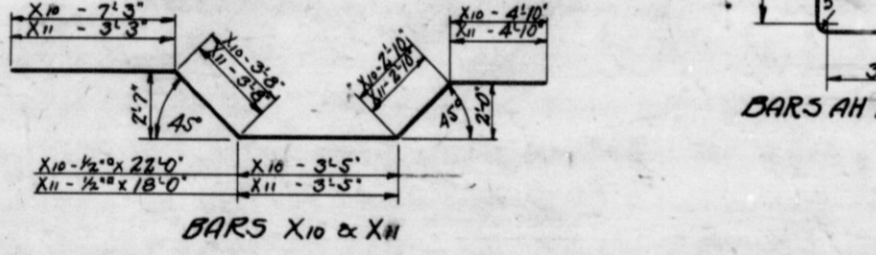
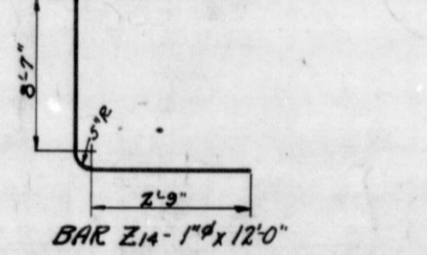
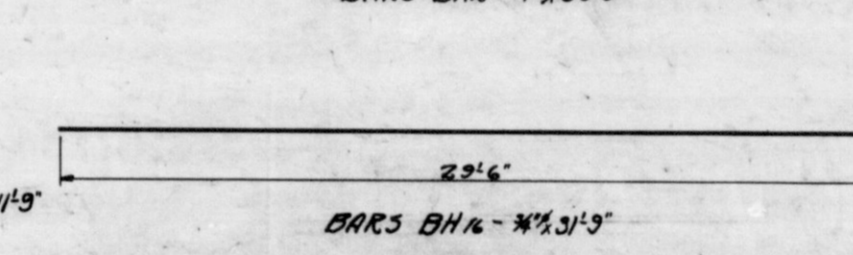
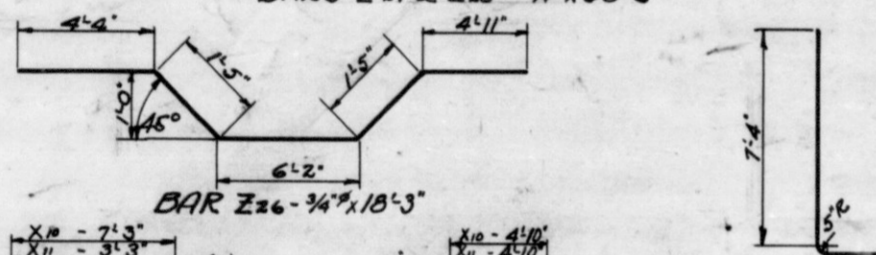
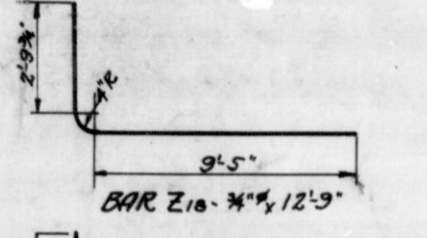
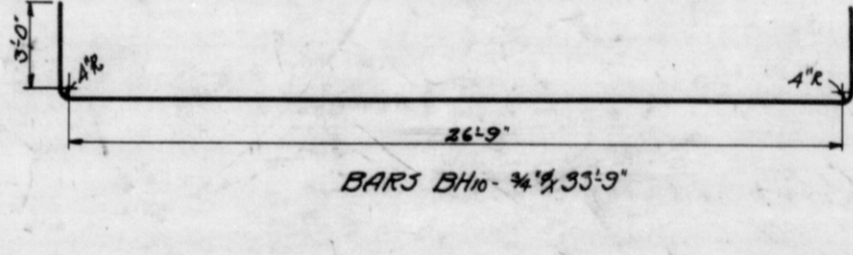
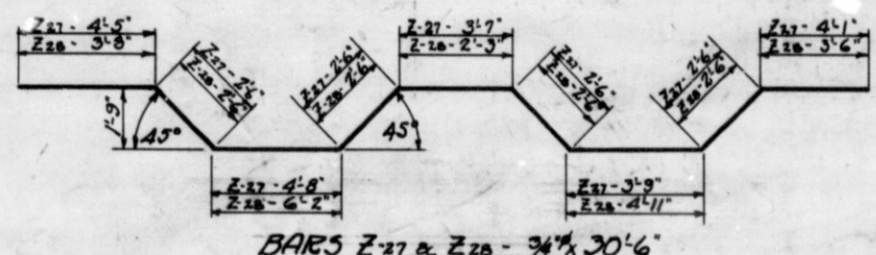
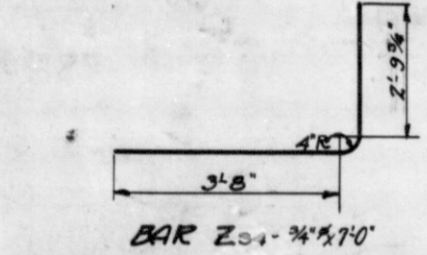
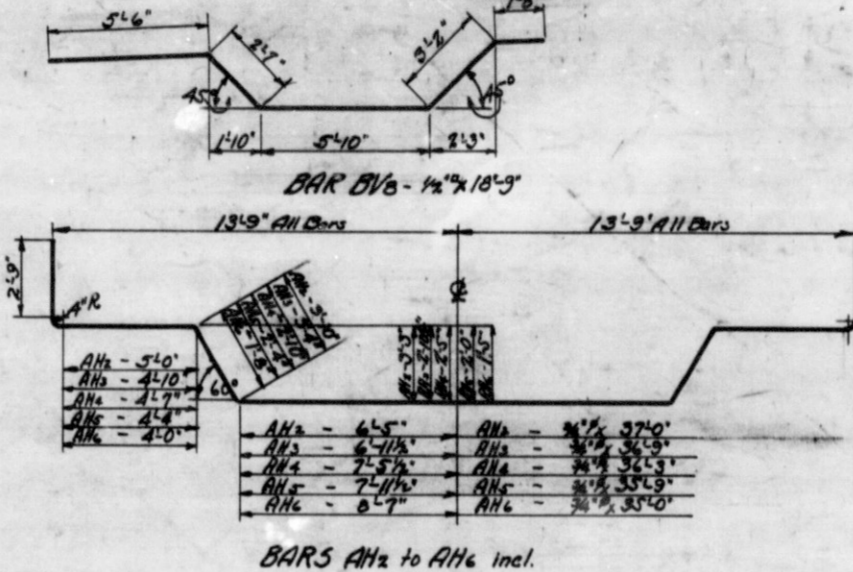
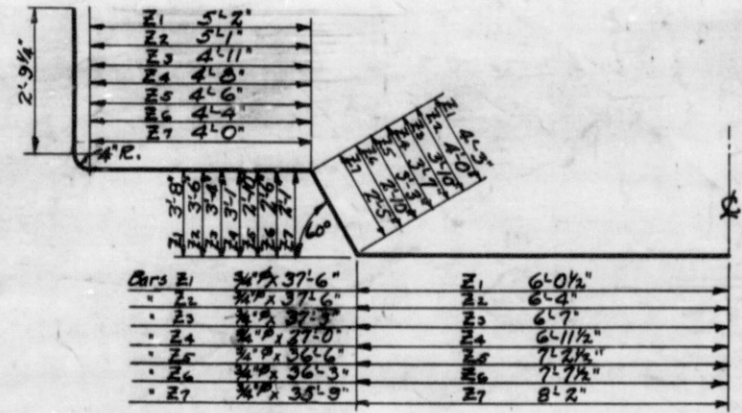
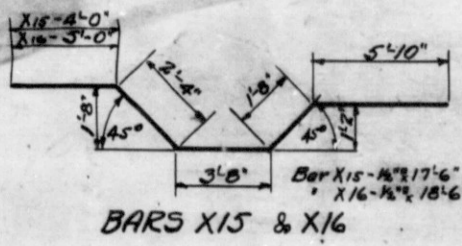
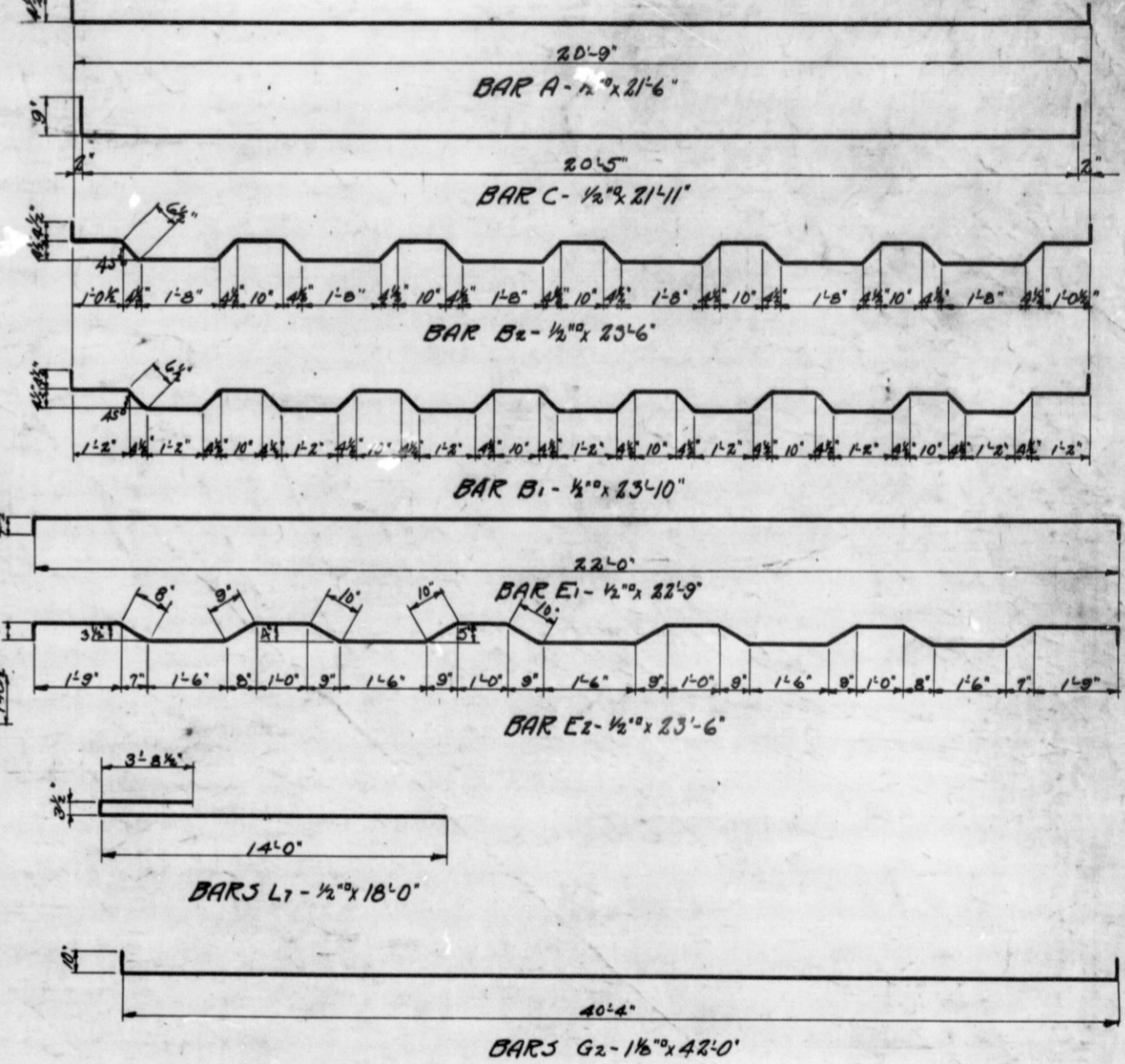
SCALE: No Scale Feb. 8, 1922 RECOMMENDED FOR APPROVAL: PROJECT-F.A. No. 29 STATION: 582+77.42 SECTION: DRAWING-322 OF 28 STRUCTURE NO. 1

DESIGNED: J.F.K./27-22 C.K.D./27-22 DRAWN: J.F.K./27-22 C.K.D./27-22 TRACED: C.H.G./27-22 C.K.D./27-22

BRIDGES OVER 20' SPAN

| IND. | 29 | 1922 | 24 | 42 |
|------|----|------|----|----|
|------|----|------|----|----|

SECTION



BENDING DIAGRAMS  
STEEL TRUSS BRIDGE

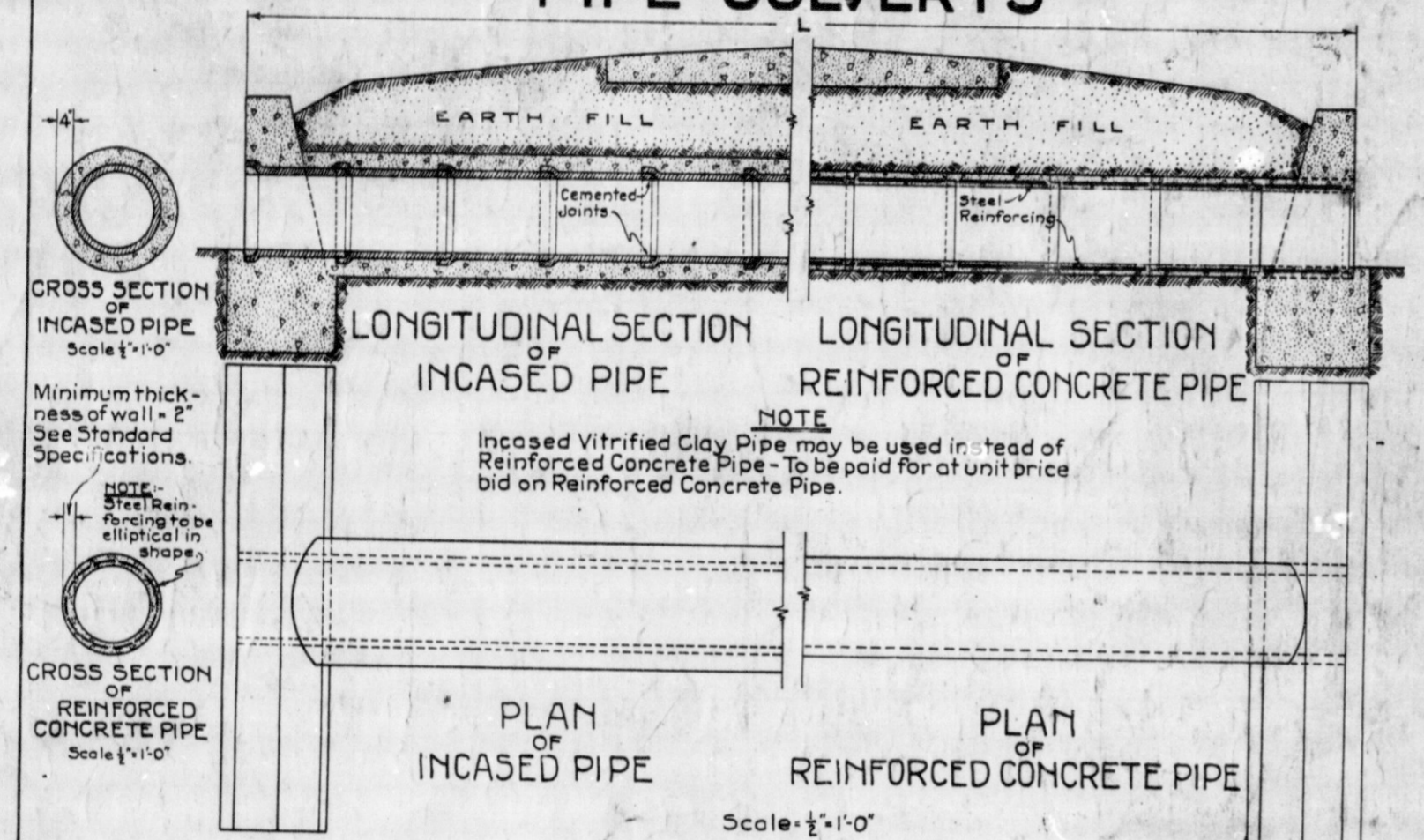
3 SPANS - 4 @ 198'-0" & 2 @ 84'-0" 20'-2" ROADWAY OVER WHITE RIVER ON STATE ROAD 10-D

INDIANA STATE HIGHWAY COMMISSION GIBSON COUNTY

SCALE: VARIES  
RECOMMENDED FOR APPROVAL: [Signature] FEB. 8, 1922  
PROJECT: F.A. No. 29 STATION: 573+70  
DRAWING: 23 OF 28 STRUCTURE NO. 1

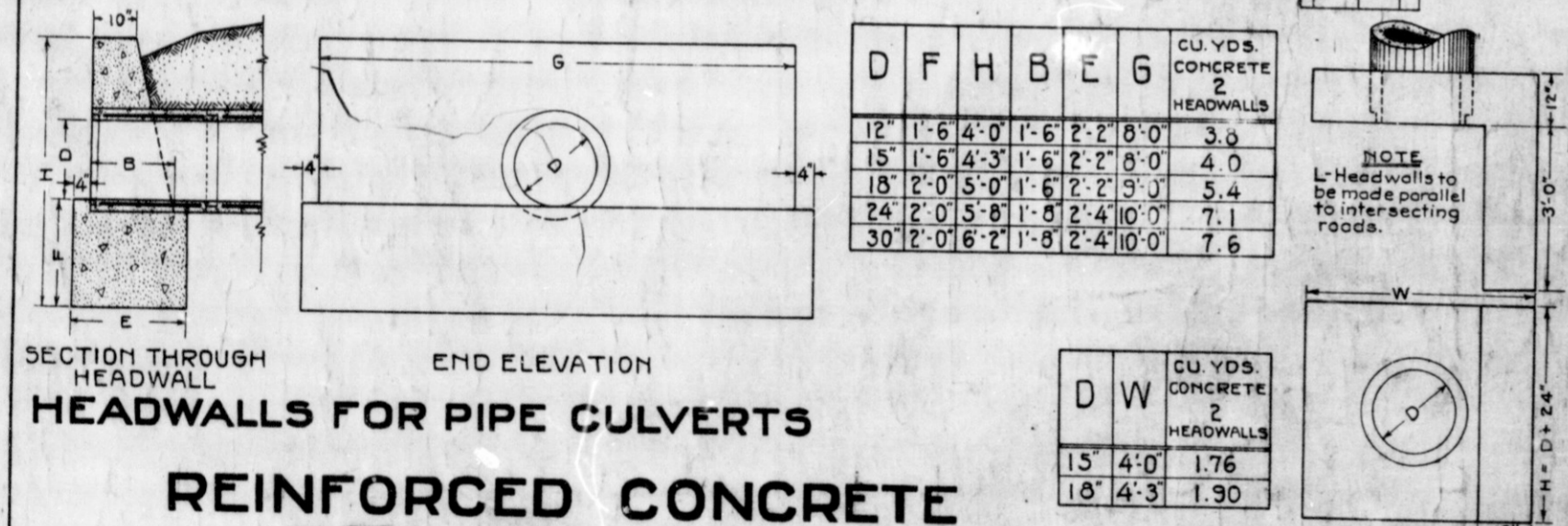
DESIGNED: J. G. B. 2-22 C.K.D. P.M.H. 2-22  
DRAWN: J. G. B. 2-22 C.K.D. P.M.H. 2-22  
TRACED: J. G. B. 2-22 C.K.D. P.M.H. 2-22

### PIPE CULVERTS



### BRIDGE AND CULVERT DATA

| STR. NO. | LOCATION | SIZE | DESCRIPTION       | LENGTH 'L' | HEIGHT 'H' | WINGS | FLOW LINE - ELEV. |            | CUBIC YARDS - CONCRETE |                    |           | REINFORCING STEEL LBS. | REMARKS           | PAGE OF SHEET NO. | STR. NO. |
|----------|----------|------|-------------------|------------|------------|-------|-------------------|------------|------------------------|--------------------|-----------|------------------------|-------------------|-------------------|----------|
|          |          |      |                   |            |            |       | UPSTREAM          | DOWNSTREAM | HEADWALLS CLASS 'B'    | CULVERTS CLASS 'B' | CLASS 'B' |                        |                   |                   |          |
| 1        | 582+78   | 1750 | Bridge            |            |            |       | 381.2             |            |                        |                    |           |                        | Separate Contract |                   | 1        |
| 2        | 552+57   | 4x4  | Reinf. Concr. Box | 36'-0"     |            | W/Wz  | 411.0             | 410.6      |                        | 19.9               |           | 2296                   | Required          | 25                | 2        |
| 3        | 555+19   | 3x3  | " "               | 38'-0"     |            | " "   | 413.8             | 413.2      |                        | 13.8               |           | 1755                   | "                 | 25                | 3        |
| 4        | 557+50   | 10'  | " " Culvert       | 36'-0"     | 6'         | " "   | 417.0             | 416.0      |                        | 18.0               | 88.9      | 1865                   | " Under Fill.     | 26                | 4        |
| 5        | 569+25L  | 15"  | " " Pipe          | 32'-0"     |            | " "   |                   |            | 1.76                   |                    |           |                        | "                 |                   | 5        |
| 6        | " R      | 15"  | " " "             | 32'-0"     |            | " "   |                   |            | 1.76                   |                    |           |                        | "                 |                   | 6        |
| 7        | 648+79   | 3x3  | " " Box           | 32'-0"     |            | W/Wz  | 413.2             | 412.6      |                        | 12.2               |           | 1515                   | Remove 24" Pipe.  | 25                | 7        |
| 8        | 659+03   | 3x3  | " " "             | 40'-0"     |            | " "   | 407.6             |            |                        | 14.3               |           | 1835                   | " 2'x4' Box.      | 25                | 8        |



### ESTIMATE OF QUANTITIES

| EXCAVATION CU.YDS. | SPECIAL BORROW CU.YDS. | SHAPING + FINISHING SHOULDERS AND SIDE DITCHES | PAVEMENT - 50 YARDS    |                                   | CONCRETE - CU.YDS.  |                    |           | PIPE CULVERTS |      | REINF. STEEL - LBS. |              | PAVED SIDE DITCH LIN. FT. | DRAIN TILE LIN. FT. | TILE UNDER DRAIN LIN. FT. | CATCH BASINS NO. | DROP INLETS NO. | MAN HOLES NO. | WOODEN GUARD RAIL LIN. FT. | RIP RAP 30 YDS. | MOUNTINGMENTS NO. |
|--------------------|------------------------|--|------------------------|-----------------------------------|---------------------|--------------------|-----------|---------------|------|---------------------|--------------|---------------------------|---------------------|---------------------------|------------------|-----------------|---------------|----------------------------|-----------------|-------------------|
|                    |                        |  | CONCRETE OR VIT. BLOCK | BITUMINOUS PAVEMENT BASE PAVEMENT | HEADWALLS CLASS 'B' | CULVERTS CLASS 'B' | CLASS 'B' | KIND          | SIZE | FOR CULVERTS        | FOR PAVEMENT |                           |                     |                           |                  |                 |               |                            |                 |                   |
| 16346              | 72030                  | 11464  |                        |                                   | 3.52                | 78.2               | 889       | Reinf. Concr. | 15"  | 64                  | 9266         |                           |                     |                           |                  |                 |               | 8080                       | 350             |                   |

