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|-------------|---------|-----------|--------------|
| FISCAL YEAR | Job No. | SHEET NO. | TOTAL SHEETS |
| 1930 | 10125 | 1 | 10 |

STATE OF ARKANSAS
STATE HIGHWAY COMMISSION

QUANTITIES

| | | |
|----------|---|-----------------|
| Item No. | Description | Quantity |
| 1 | Earth Excavation | 6000 Cu.Yds. |
| 2 | S.P. 42 Untr. Timber | 0.040 M.F.B.M. |
| 3 | S.P. 52 Treated " | 76.383 M.F.B.M. |
| 4 | 34 Class 'S' Concrete | 235.17 Cu.Yds. |
| 5 | 53 Reinforcing Steel | 51,646 Lbs. |
| 6 | 56 Structural Steel (Trusses) | 62,600 Lbs. |
| 7 | S.P. 42 Treated Timber Piling | 4,575 Lin. Ft. |
| 8 | S.P. Treated Timber Pile Cut-off | 292 Lin. Ft. |
| 9 | S.P. Removing existing Br. at Big Slough & re-erecting 76' Steel Span at St. Francis R. Bridge Site | lump sum |
| 10 | S.P. Removing existing Str. at Brown's Ferry Bridge | lump sum |

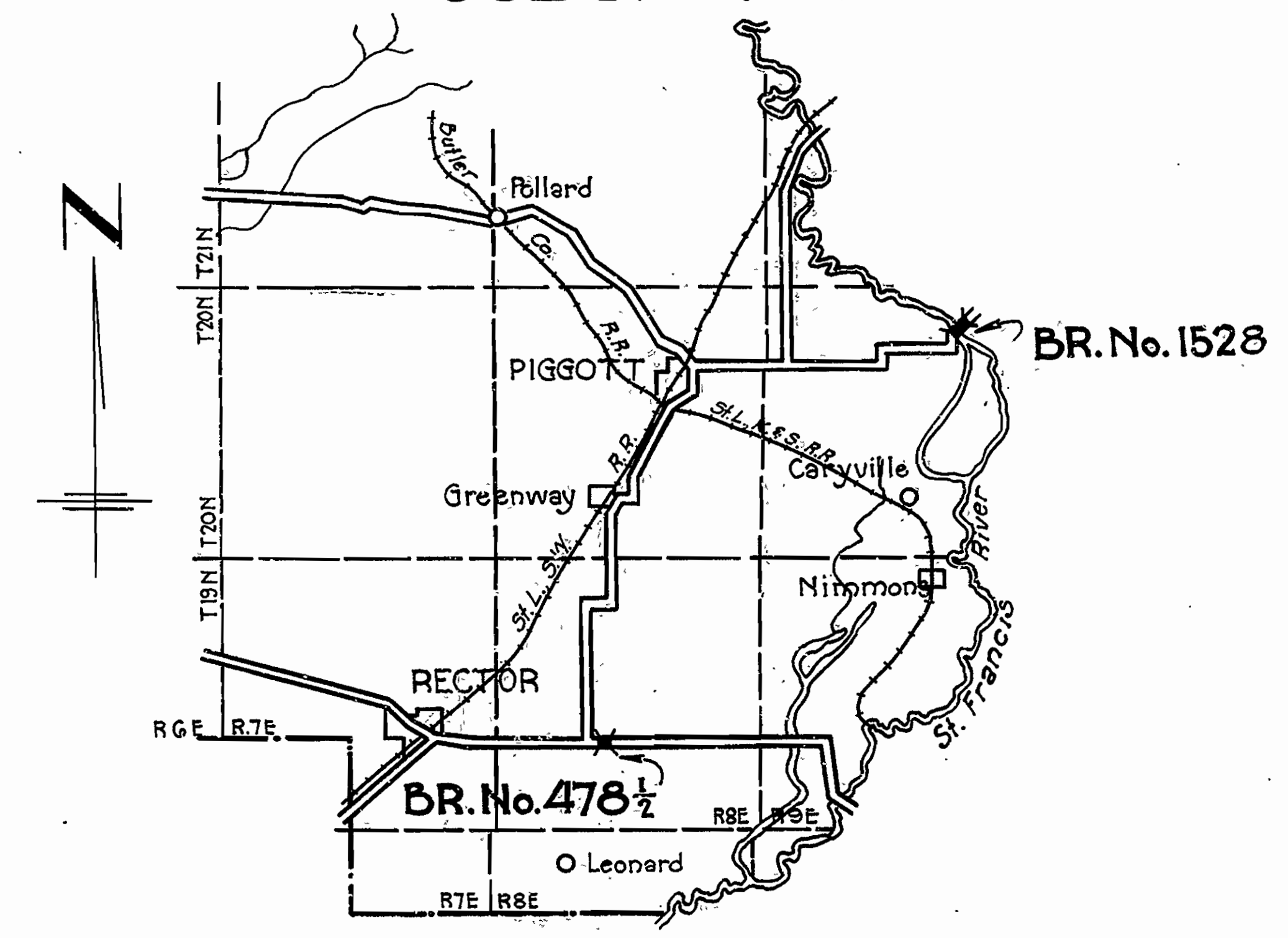
INDEX OF SHEETS

| | | |
|---------|------------|---------------------------------------|
| Sh. No. | Drawg. No. | Description |
| 1 | 2713 | Title Sheet |
| 2 | 2714 | Layout Br. No. 478 1/2 |
| 3 | 2715 | Details 90' Steel Truss |
| 4 | 2716 | of Bents for Truss |
| 5 | 2071 | Standard 19'-0" T.T. Trestle 20' Rdy. |
| 6 | 2072 | " " " " " " " " 44'-28' Skew |
| 7 | 2717 | Layout Br. No. 1528 |
| 8 | 456B | Details 76' Steel Truss |
| 9 | 2718 | Spans adj. 76' Truss |
| 10 | 2719 | " " " " 128' |

PLAN OF PROPOSED BRIDGES
OVER ST. FRANCIS RIVER & BIG SLOUGH

CLAY COUNTY

ROUTE 34 SEC. 6
JOB NO 10125



The Specifications adopted by the State Highway Commission, May 30th, 1925 apply with subsequent revisions and Special Provisions noted apply to this Project.

| | |
|------------|-------------------------|
| Pamphlet A | Revised Sept. 1st, 1928 |
| B | |
| C | |
| D | Revised July 1st, 1928 |
| E | |
| F | |
| G | |
| H | Revised Oct. 1st, 1928 |
| I | |
| J | Revised Jan. 1st, 1929 |
| K | |
| L | Revised Jan. 1st, 1929 |

SPECIAL PROVISIONS

| Item | No. of Sheets |
|---|---------------|
| Earth Excavation | 1 |
| Timber Bridges | 12 |
| Removal of Existing Structure Big Slough Bridge Site | 1 |
| Removal of Existing Structure Brown's Ferry Bridge Site | 1 |

LAYOUT
Scale: 3/8 in. = 1 Mi.

| | |
|------------------------|-----------|
| LENGTH OF PROJECT = | 1178'-10" |
| LENGTH OF BRIDGES = | 629'-10" |
| LENGTH OF EMBANKMENT = | 549'-0" |

APPROVED
CHAIRMAN - STATE HIGHWAY COMMISSION

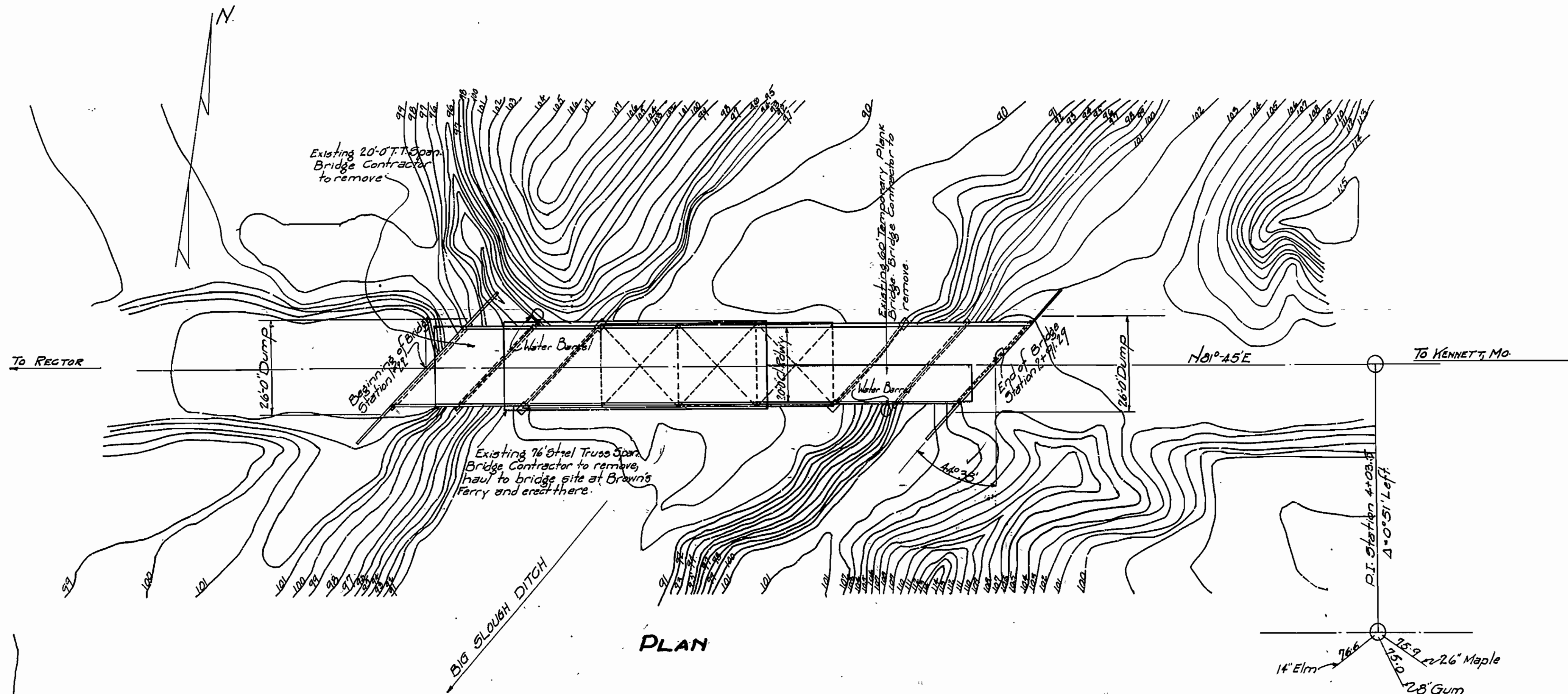
APPROVED
STATE HIGHWAY ENGINEER

M.B. Lewis
BRIDGE ENGINEER

BRIDGES No. 478 1/2 & 1528

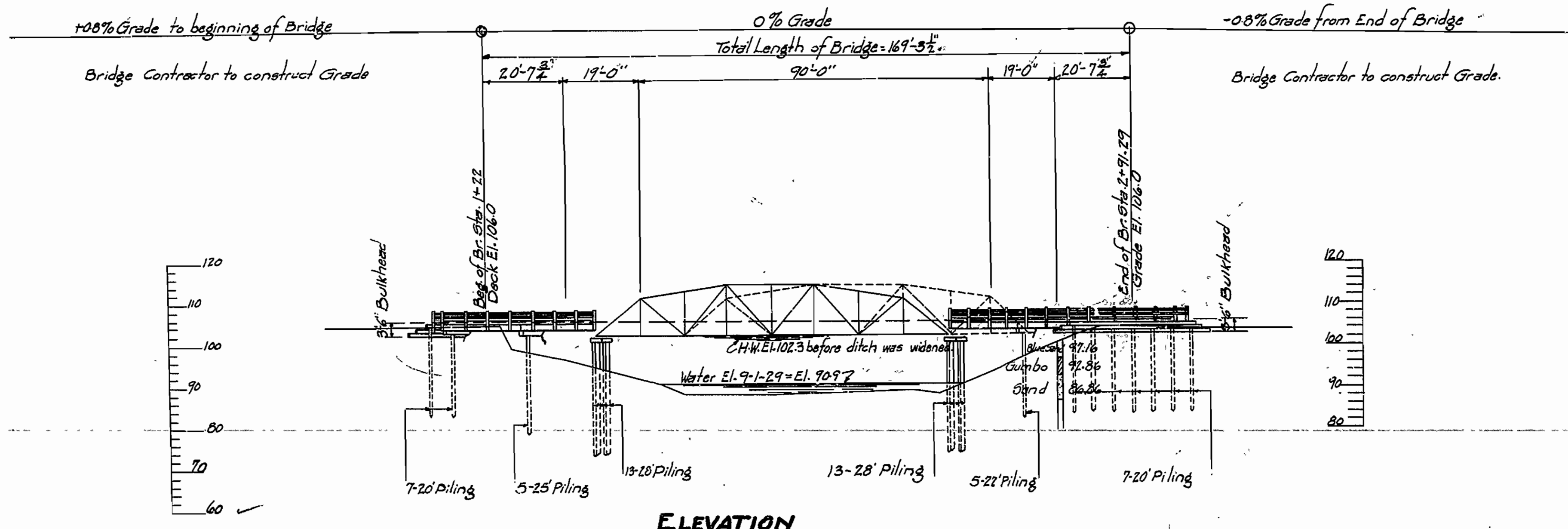
DRAWING No. 2713

| | | | |
|-------------|---------|-----------|--------------|
| FISCAL YEAR | Job No. | SHEET No. | TOTAL SHEETS |
| 1930 | 10125 | 2 | 10 |



QUANTITIES

| | | |
|--------|--|----------------|
| Item # | Description | Quantity |
| 12 | Earth Excavation | 400 Cu. Yds. |
| 52 | Untreated Timber | 4275 M.F.B.M. |
| 52 | Treated Timber | 21 M.F.B.M. |
| 54 | Class 3 Concrete | 70.37 Cu. Yds. |
| 55 | Reinforcing Steel | 15170 Lbs. |
| 56 | Structural Steel (Trusses) | 60000 Lbs. |
| 67 | Treated Timber piling | 1143 Lin. Ft. |
| S.P. | Timber Pile Cut off | 100 Lin. Ft. |
| S.P. | Removing existing Br. at Big Slough & erecting 76' Steel Span (Lump Sum) | |



For Superstructure details see drawing No. 2715, 2071 & 2072
 For Substructure details see drawing No. 2714
 Nearest B.M. Nail in foot 16' Elm 60 Right Station 3+60
 All piling to be treated timber. Lengths of piling shown
 are assumed for estimating quantities only. Actual lengths
 to be determined in the field.

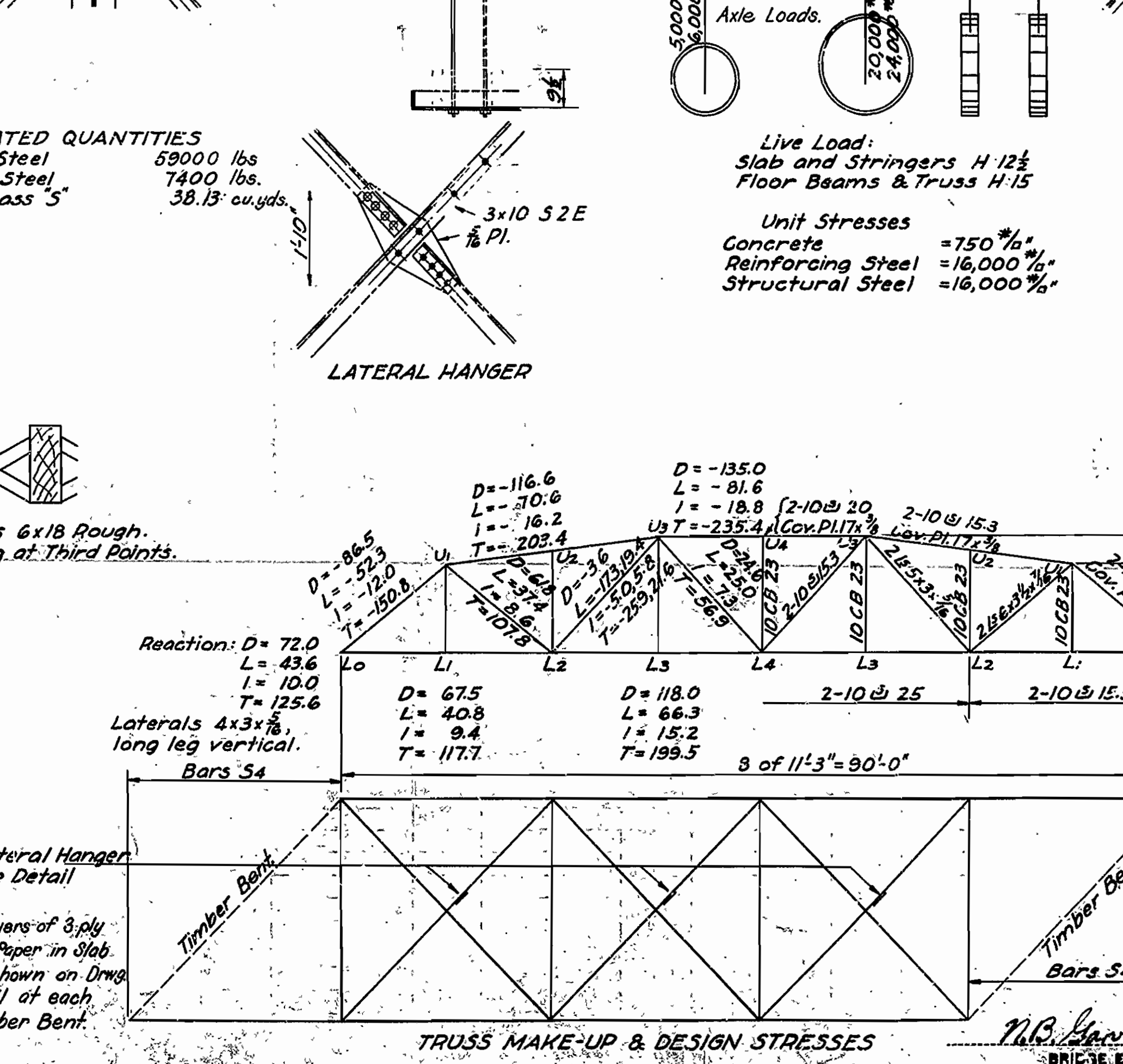
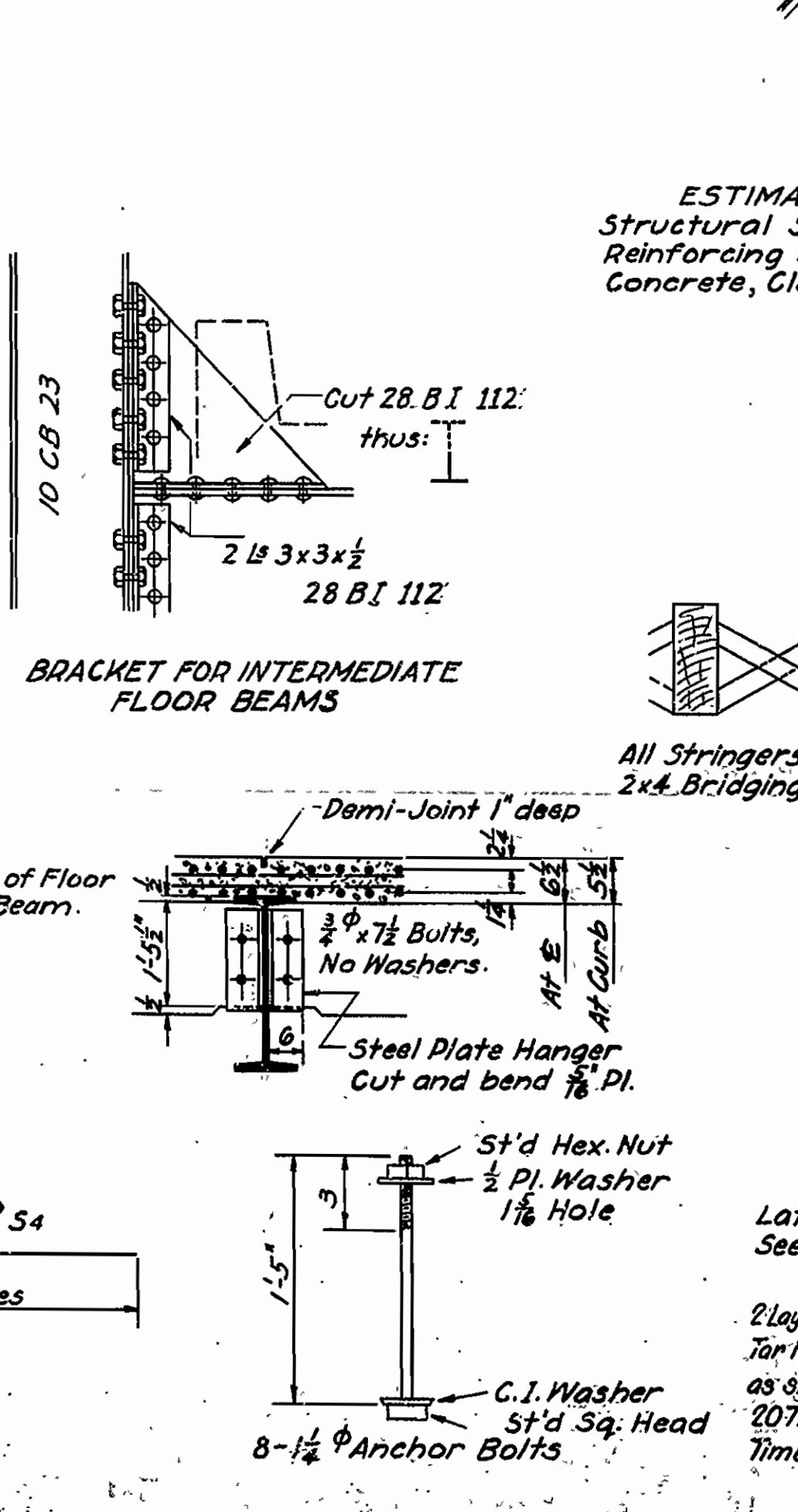
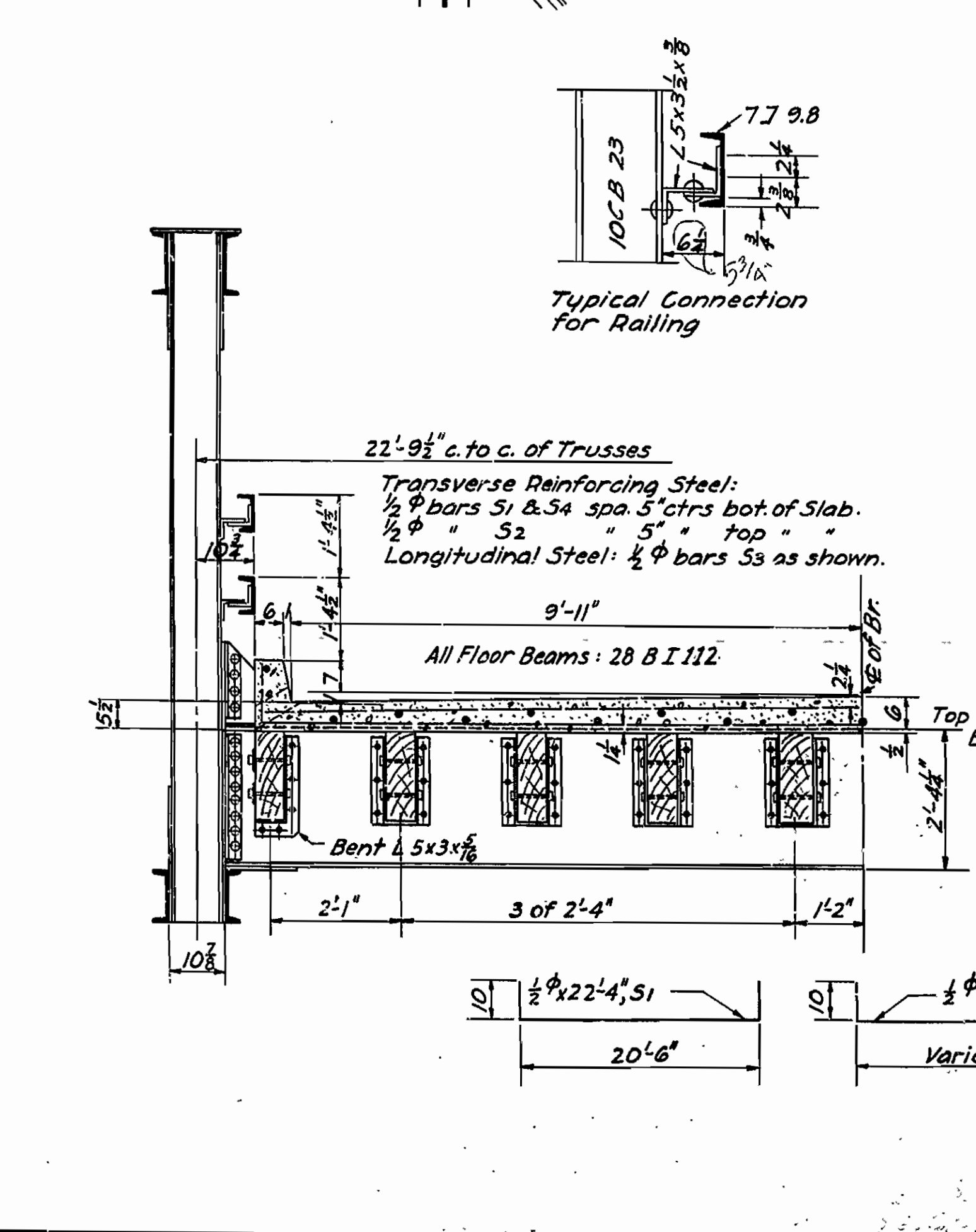
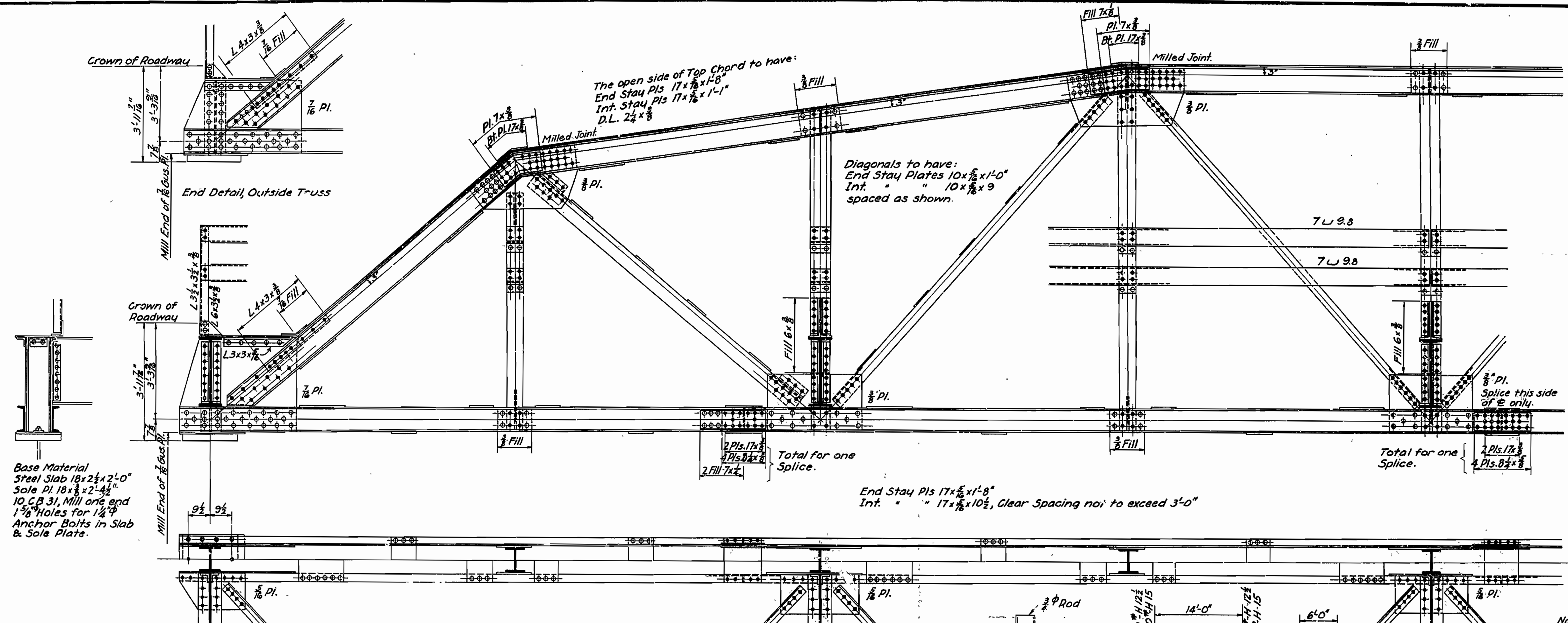
**LAYOUT OF BRIDGE
 OVER BIG SLOUGH
 HOLLY ISLAND ROAD
 CLAY COUNTY
 ROUTE 90 SEC. 1**

**ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.**

Drawn By: *Lee* Date: 6-22-30
 Traced By: *James* Date: 6-23-30
 Checked By: *W.O.D.* Date: 6-23-30
 Scale: 1 in. = 20 ft.
 BRIDGE NO. 4782 DRAWING NO. 2714

M.R. Gann
 BRIDGE ENGINEER

| | | | |
|-------------|---------|-----------|--------------|
| FISCAL YEAR | Job No. | SHEET No. | TOTAL SHEETS |
| 1930 | 10125 | 3 | 10 |



Notes:

- 3/4" Rivets, 1 1/8" Holes. Use 2 1/2" ϕ turned bolts for all field connections.
- All holes in truss connections to be sub-punched 3/16" and reamed to size while the truss is assembled; this applies to field as well as shop rivets.
- Floor beam connections to be sub-punched 3/16" and reamed to size through a metal template.
- Shop paint: After being completely assembled and all shop work finished, all pieces shall be given one coat of red lead and raw linseed oil before shipment.
- Field paint: Apply two coats of different colors as specified by the Engineer.
- Floor slab: Concrete to be Class "5". One inch has been added for wear. Floor beams shall be milled to exact length after framing angles have been riveted.
- Structural steel shapes of equal or greater strength may be substituted for shapes shown; payment, however, will be made in accordance with sizes given on this plan.
- This drawing shows general features of design only. Shop drawings shall be made in compliance with specifications and be approved before fabrication is commenced.

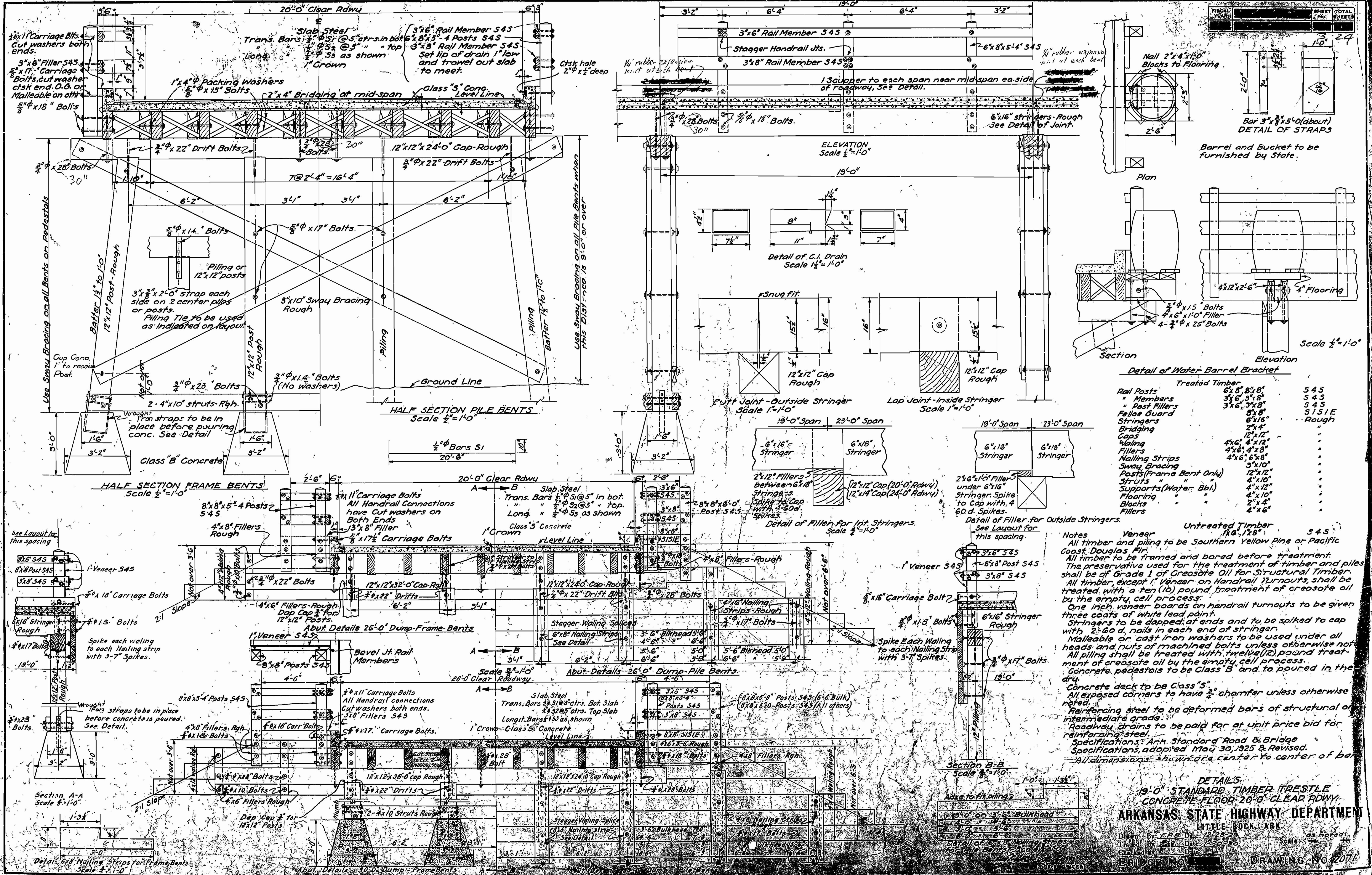
For Species of Timber, Framing & Creosoting of Structural Lumber See Drwg No. 2071 Notes.
 Specifications: Ark. Standard Road & Bridge Specifications, adopted May 30, 1925 & Revised.

90'-0" SKEW STEEL SPAN
BRIDGE OVER BIG SLOUGH DITCH
HOLLY ISLAND ROAD - CLAY COUNTY
 ROUTE 90 - SEC. 1

ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.

Drawn By: A. Date: 6-11-30
 Traced By: J. Date: 6-13-30
 Checked By: J. Date: _____

Scale: 1/2" = 1'-0"
BRIDGE No. 478 1/2 **DRAWING No. 2715**



| SYMBOL | DESCRIPTION | QUANTITY | TOTAL SHEETS |
|--------|-------------------------|----------|--------------|
| 1 | RAIL POSTS | 545 | 27 |
| 2 | RAIL MEMBERS | 545 | |
| 3 | POST FILLERS | 545 | |
| 4 | FALLOE GUARD | 515 | |
| 5 | STRINGERS | ROUGH | |
| 6 | BRIDGING | ROUGH | |
| 7 | CAPS | ROUGH | |
| 8 | WALING | ROUGH | |
| 9 | FILLERS | ROUGH | |
| 10 | NAILING STRIPS | ROUGH | |
| 11 | SWAY BRACING | ROUGH | |
| 12 | POSTS (FRAME BENT ONLY) | ROUGH | |
| 13 | STRUTS | ROUGH | |
| 14 | SUPPORTS (WATER BARREL) | ROUGH | |
| 15 | FLOORING | ROUGH | |
| 16 | BLOCKS | ROUGH | |
| 17 | FILLERS | ROUGH | |
| 18 | RAIL POSTS | 545 | |
| 19 | RAIL MEMBERS | 545 | |
| 20 | POST FILLERS | 545 | |
| 21 | FALLOE GUARD | 515 | |
| 22 | STRINGERS | ROUGH | |
| 23 | BRIDGING | ROUGH | |
| 24 | CAPS | ROUGH | |
| 25 | WALING | ROUGH | |
| 26 | FILLERS | ROUGH | |
| 27 | NAILING STRIPS | ROUGH | |
| 28 | SWAY BRACING | ROUGH | |
| 29 | POSTS (FRAME BENT ONLY) | ROUGH | |
| 30 | STRUTS | ROUGH | |
| 31 | SUPPORTS (WATER BARREL) | ROUGH | |
| 32 | FLOORING | ROUGH | |
| 33 | BLOCKS | ROUGH | |
| 34 | FILLERS | ROUGH | |

| RAIL POSTS | TREATED TIMBER | 545 |
|-------------------------|------------------|-------|
| " MEMBERS | 6"x8", 8"x8" | 545 |
| " POST FILLERS | 3"x6", 3"x8" | 545 |
| FALLOE GUARD | 8"x8" | 515 |
| STRINGERS | 6"x16" | ROUGH |
| BRIDGING | 2"x4" | ROUGH |
| CAPS | 12"x12" | ROUGH |
| WALING | 4"x6", 4"x12" | ROUGH |
| FILLERS | 4"x6", 4"x8" | ROUGH |
| NAILING STRIPS | 4"x6", 6"x8" | ROUGH |
| SWAY BRACING | 3"x10" | ROUGH |
| POSTS (FRAME BENT ONLY) | 12"x12" | ROUGH |
| STRUTS | 4"x12" | ROUGH |
| SUPPORTS (WATER BARREL) | 4"x10" | ROUGH |
| FLOORING | 2"x4" | ROUGH |
| BLOCKS | 4"x6" | ROUGH |
| FILLERS | 4"x6" | ROUGH |
| RAIL POSTS | UNTREATED TIMBER | 545 |
| " MEMBERS | 16", 18" | 545 |
| " POST FILLERS | 3"x6", 3"x8" | 545 |
| FALLOE GUARD | 8"x8" | 515 |
| STRINGERS | 6"x16" | ROUGH |
| BRIDGING | 2"x4" | ROUGH |
| CAPS | 12"x12" | ROUGH |
| WALING | 4"x6", 4"x12" | ROUGH |
| FILLERS | 4"x6", 4"x8" | ROUGH |
| NAILING STRIPS | 4"x6", 6"x8" | ROUGH |
| SWAY BRACING | 3"x10" | ROUGH |
| POSTS (FRAME BENT ONLY) | 12"x12" | ROUGH |
| STRUTS | 4"x12" | ROUGH |
| SUPPORTS (WATER BARREL) | 4"x10" | ROUGH |
| FLOORING | 2"x4" | ROUGH |
| BLOCKS | 4"x6" | ROUGH |
| FILLERS | 4"x6" | ROUGH |

Notes

Veneer
All timber and piling to be Southern Yellow Pine or Pacific Coast Douglas Fir.
All timber to be framed and bored before treatment.
The preservative used for the treatment of timber and piles shall be of Grade 1 of Creosote Oil for Structural Timber.
All timber, except Veneer on Handrail Turnouts, shall be treated with a ten (10) pound treatment of creosote oil by the empty cell process.
One inch veneer boards on handrail turnouts to be given three coats of white lead paint.
Stringers to be dapped at ends and to be spiked to cap with 2-60 d. nails in each end of stringer.
Malleable or cast iron washers to be used under all heads and nuts of machined bolts unless otherwise noted.
All piling shall be treated with twelve (12) pound treatment of creosote oil by the empty cell process.
Concrete pedestals to be Class B and to poured in the dry.
Concrete deck to be Class S.
All exposed corners to have 3/4" chamfer unless otherwise noted.
Reinforcing steel to be deformed bars of structural or intermediate grade.
Roadway drains to be paid for at unit price bid for reinforcing steel.
Specifications: A.R.K. Standard Road & Bridge Specifications, adopted May 30, 1925 & Revised.
All dimensions shown are center to center of bars.

DETAILS
19'-0" STANDARD TIMBER TRESTLE
CONCRETE FLOOR 20'-0" CLEAR RDWY.
ARKANSAS STATE HIGHWAY DEPARTMENT
LITTLE ROCK, ARK.
DRAWN BY: E.P.B. DATE: 12-25-23
CHECKED BY: E.P.B. DATE: 1-25-24
BRIDGE NO. 1000
DRAWING NO. 2071