

FED. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	174-B	1931	1	22

STATE OF ARKANSAS  
STATE HIGHWAY COMMISSION

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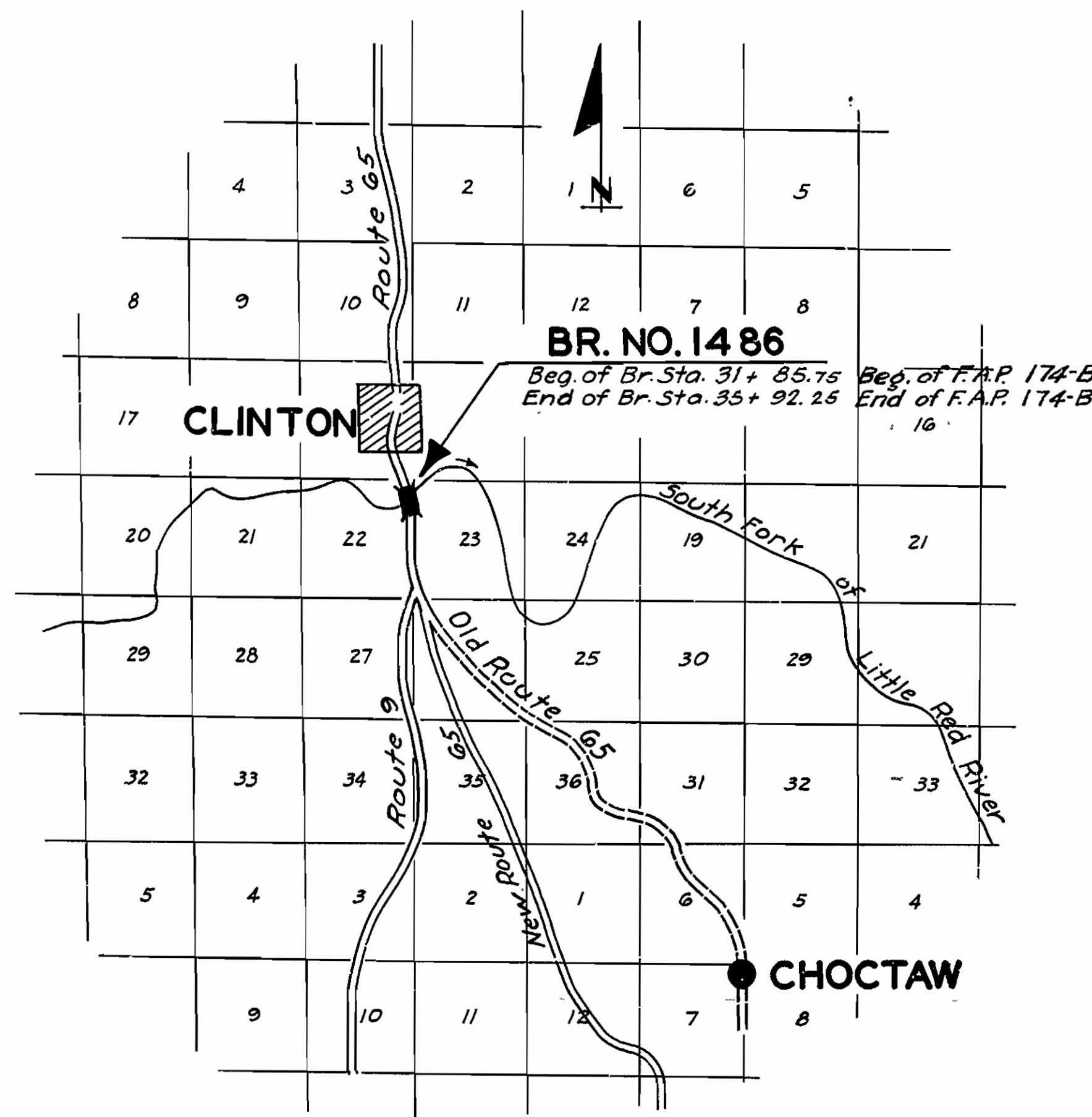
PLAN OF PROPOSED BRIDGE  
OVER  
SOUTH FORK OF LITTLE RED RIVER  
VAN BUREN COUNTY

ROUTE 65 SEC. 8  
JOB NO 8158  
FEDERAL AID PROJECT NO. 174-B

QUANTITIES

Item No.	SP	Description	Quantity	Unit
SP 12*		Common Excavation	13609	Cu Yds
SP 12*		Solid Rock Excavation	2706	" "
13		Dry Excavation For Structures	864	" "
13		Wet Excavation For Structures	302	" "
13		Solid Rock Excavation For Structures	107	" "
5*		Class "A" Concrete	516.58	" "
5*		Class "S" Concrete	426.06	" "
55		Reinforcing Steel	153,740	Lbs
S.P. 56		Structural Steel (Trusses)	143,000	" "
S.P. 69		Rip Rap (1ft thick)	210	Cu Yds
74		Concrete Railing For Structures	824	Lin Ft
SP		Cast Steel Shoes	6140	Lbs
SP		* Removal of Existing Bridge	Lump Sum	
19 *		* Overhaul	9031	Sq Yds

Federal Aid markers of approved design are to be furnished and placed by the state.  
\* non-participating in Federal Aid



LAYOUT  
Scale: 1" = 1 Mile

LENGTH OF PROJECT = 406.5' = 0.076 mi.  
LENGTH OF BRIDGES = 406'-6"  
LENGTH OF EMBANKMENT = 2393'-6"  
LENGTH OF JOB = 2800'-0"

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:

REVISIONS

Pamphlet	Revised	Date	Approved	Date
A	Revised	Sept. 1st, 1928	Approved	June 1st, 1929
B	Revised	Nov. 1st, 1929		
C	"	July 1st 1930		
D	Revised	July 1st, 1928	Approved	Nov. 24th, 1928
E	Revised	Jan. 1st, 1930		
F	Revised	Aug. 1st, 1929		
G	Revised	June 1st, 1929		
H	Revised	Jan. 1st, 1930		
I	"	May 30th, 1925		
J	Revised	Jan. 1st, 1929	Approved	June 1st, 1929
K	"	May 30th, 1925		
L	Revised	Jan. 1st, 1929	Approved	June 1st, 1929
M	"	Mar. 1st, 1931		

SPECIAL PROVISIONS

Item	No. of Sheets
Pamphlet M	51
Earth Excavation	3
Concrete Aggregate	2
Rip Rap	1
Field Engineer's Office	1
Aluminum Paint	1
Section B.2	1
Structural Steel	1
Contractor to Furnish	1
All Material	10
Removal of Existing Structure	1
Cast Steel Shoes	1

APPROVED  
CHIEF ENGINEER - U. S. BUREAU OF PUBLIC ROADS  
APPROVED  
DISTRICT ENGINEER - U. S. BUREAU OF PUBLIC ROADS  
APPROVED  
CHIEF - U. S. BUREAU OF PUBLIC ROADS  
APPROVED  
CHAIRMAN - STATE HIGHWAY COMMISSION  
APPROVED  
STATE HIGHWAY ENGINEER

*N.B. Lamer*  
BRIDGE ENGINEER

BRIDGES NO. 1486

DRAWING NO. 3164



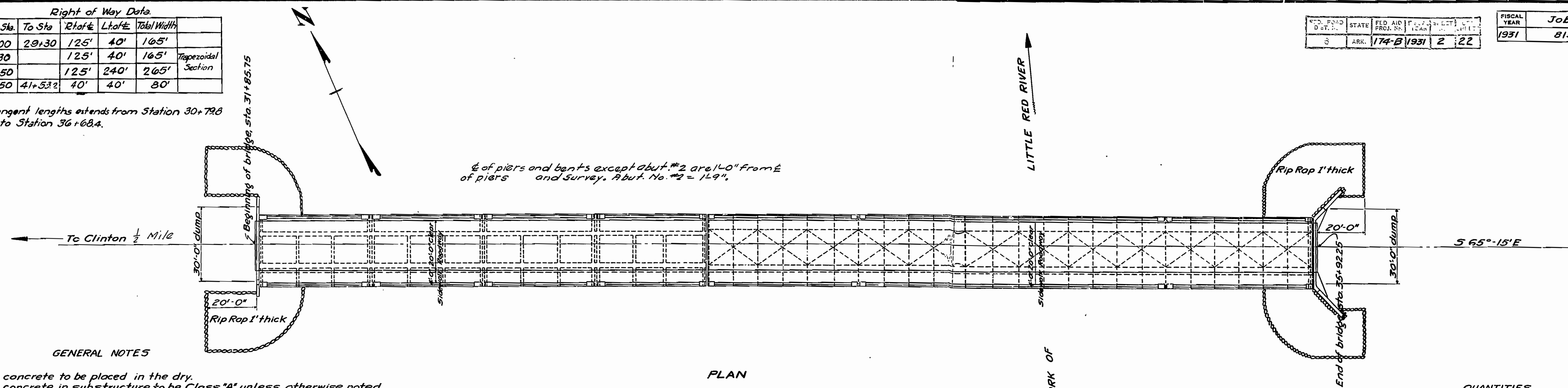
Right of Way Data

From Sta.	To Sta.	Rt. of W.	Lt. of W.	Total Width	Section
24+00	29+30	125'	40'	165'	Trapezoidal Section
29+30		125'	40'	165'	
34+50		125'	240'	265'	
34+50	41+53.2	40'	40'	80'	

Tangent lengths extends from Station 30+79.8 to Station 36+68.4.

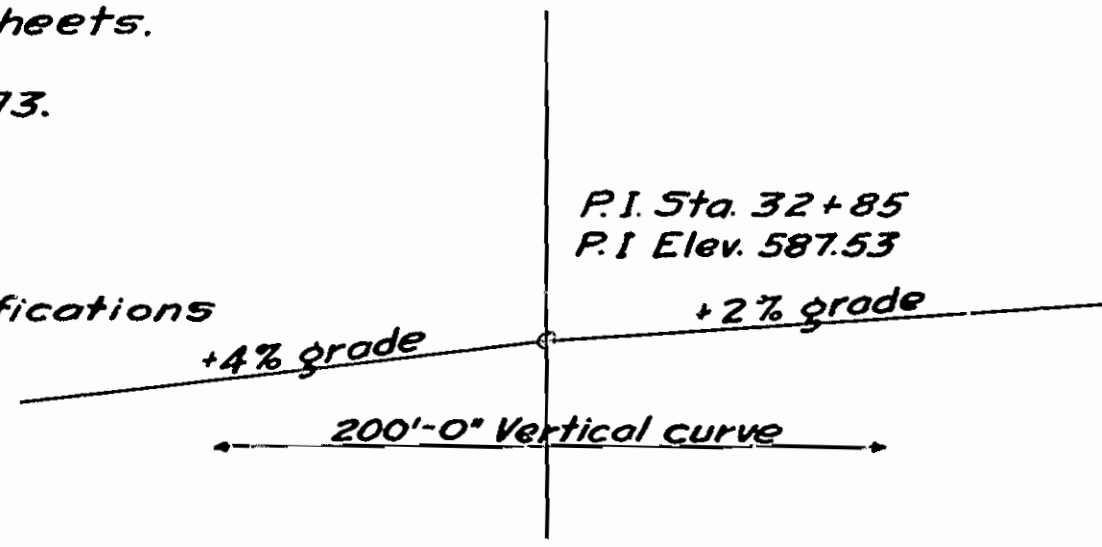
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SECTION	SHEET NO.	TOTAL SHEETS
3	ARK.	174-B	1931	2	22	

FISCAL YEAR	Job No.	SHEET NO.	TOTAL SHEETS
1931	8158	2	22



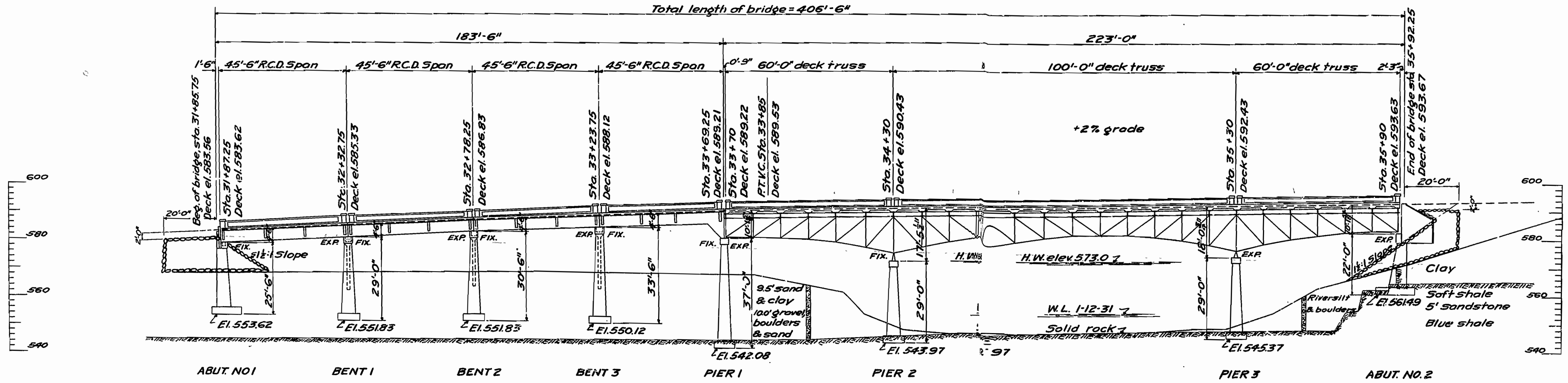
**GENERAL NOTES**

All concrete to be placed in the dry.  
 All concrete in substructure to be Class "A" unless otherwise noted.  
 For general notes on concrete and steel, see superstructure detail sheets.  
 Structural steel to be given two field coats of aluminum paint (see special provisions).  
 Expansion joints to be constructed as shown on layout sheets.  
 For details of 45'-6" R.C.D. span, see Drwg. Nos. 3174 & 3175.  
 For details of structural steel, see Drwg. Nos. 3171, 3172 & 3173.  
 For details of abutment No. 1, see Drwg. No. 3168.  
 For details of internal bents, see Drwg. No. 3168.  
 For details of piers No. 1, 2 & 3, see Drwg. No. 3169.  
 For details of abutment No. 2, see Drwg. No. 3170.  
 Specifications: Arkansas Standard Road and Bridge Specifications adopted May 30, 1925 and revised.



**QUANTITIES**

Item No.	Description	Quantity	Unit
S.P. & 12	Common excavation	1340.9	Cu. Yds.
S.P. & 12	Solid rock excavation	2706.	"
13	Dry excavation for structures	854.	"
13	Wet excavation for structures	302.	"
13	Solid rock excavation for structures	107.	"
54	Class "A" concrete	506.46	"
54	Class "S" concrete	426.06	"
55	Reinforcing steel	152,870.	Lbs.
S.P. & 56	Structural steel (truss bridges)	143,000.	"
S.P. & 69	Rip rap, 1ft. thick (cu. yds.)	210.	Cu. Yds.
74	Concrete railing for structures	824.	Lin. Ft.
S.P.	Cast steel shoes	6140.	Lbs.
S.P.	Removal of existing bridge	Lump sum	
	Overhaul	9031.	Sq. Yds.



B.M. Elev 574.13 - x mark on concrete step N.E. corner of porch, Thompson Hotel, Clinton, Ark.

Drainage Area: 170 Sq. Mi.  
 Mountainous 80% Wooded.

Maximum design design pressure on footings not founded on rock on rock = 3600 Lbs. per sq. ft.

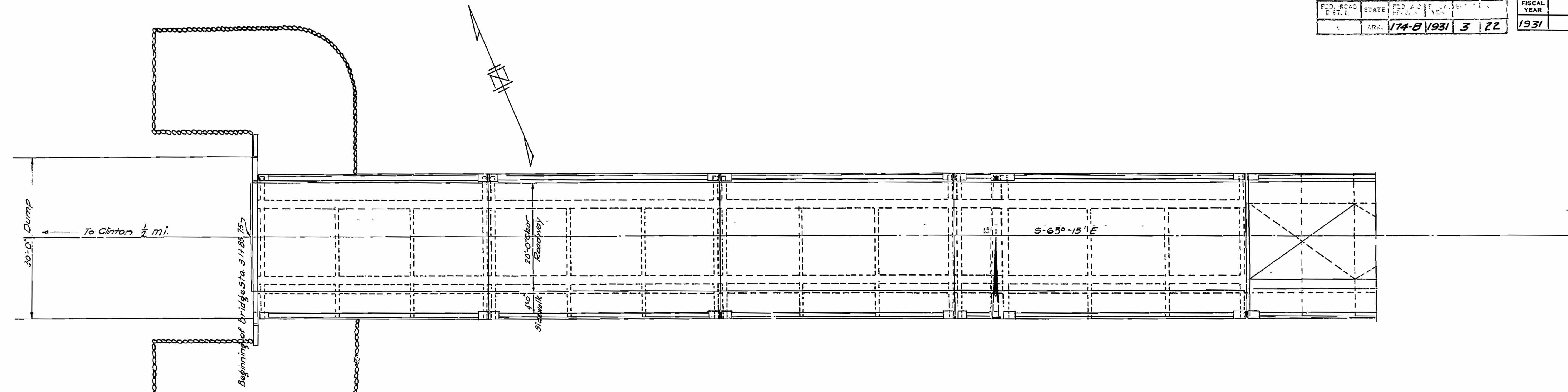
**LAYOUT**  
**BRIDGE OVER SOUTH FORK LITTLE RED RIVER**  
**AT CLINTON, VAN BUREN CO., ARK.**  
 ROUTE 65 SEC. 8

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

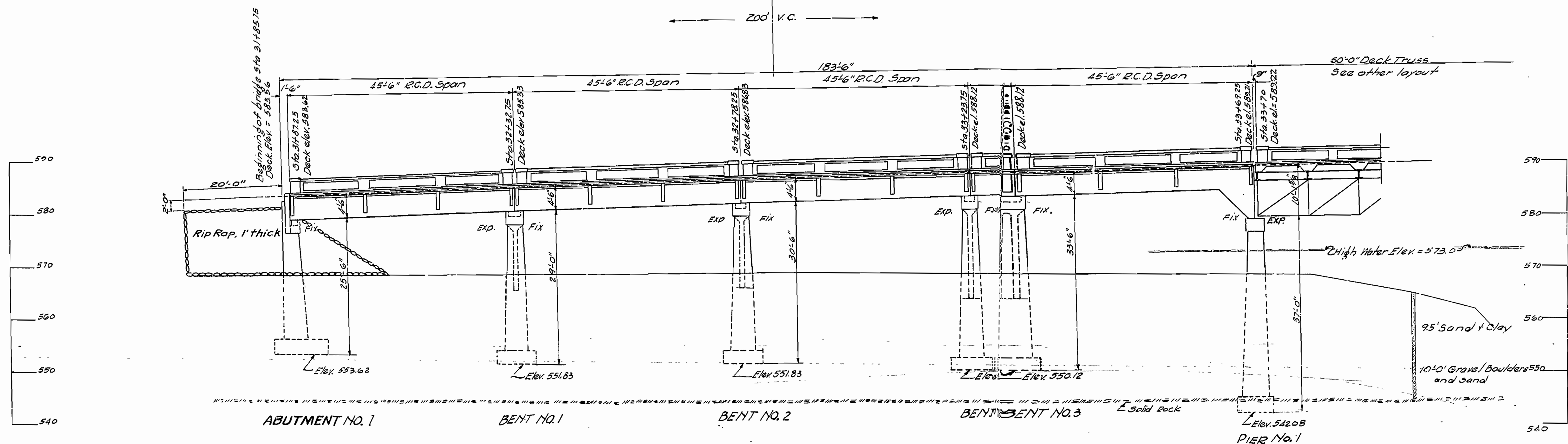
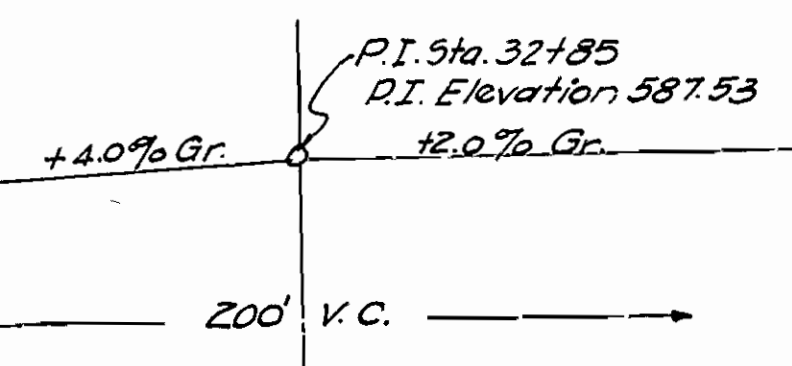
Drawn By: H.W.N. Date: 4-15-31  
 Traced By: H.W.N. Date: 4-16-31  
 Checked By: E.O.G. Date: 4-27-31  
 BRIDGE No. 1486  
 Scale: 1" = 20.0'  
 DRAWING No. 3165

H.W.N.  
 BRIDGE ENGINEER

FED. ROAD DIST.	STATE	FED. A.C.	LEV.	SHEET	FISCAL YEAR	Job No.	SHEET No.	TOTAL SHEETS
ARK.	174-B	1931	3	22	1931	8158	3	22



PLAN VIEW



ELEVATION

For details of 45'-6" span see drawing Nos. 3174 & 3175  
 " " " abut. No. 1 " " 3168  
 " " " bents " " 3168

PARTIAL LAYOUT OF  
 BRIDGE OVER SOUTH FORK OF LITTLE RED RIVER  
 AT CLINTON VAN-BUREN COUNTY  
 ROUTE 65 SEC. 8

ARKANSAS STATE HIGHWAY COMMISSION  
 LITTLE ROCK, ARK.

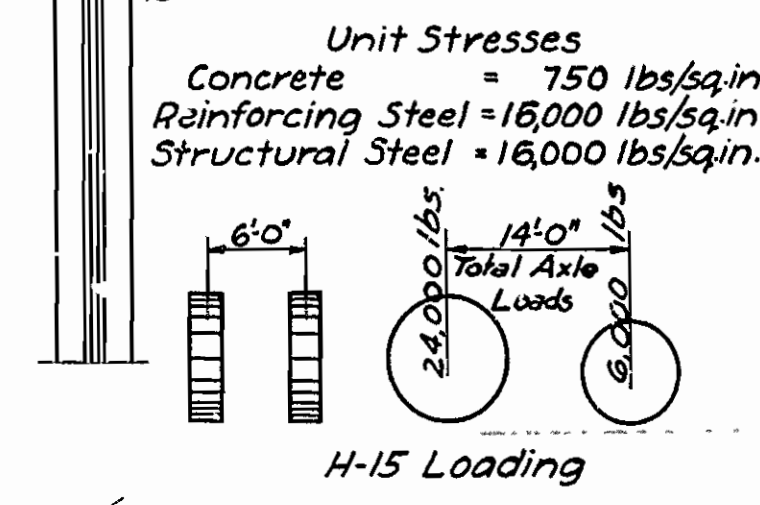
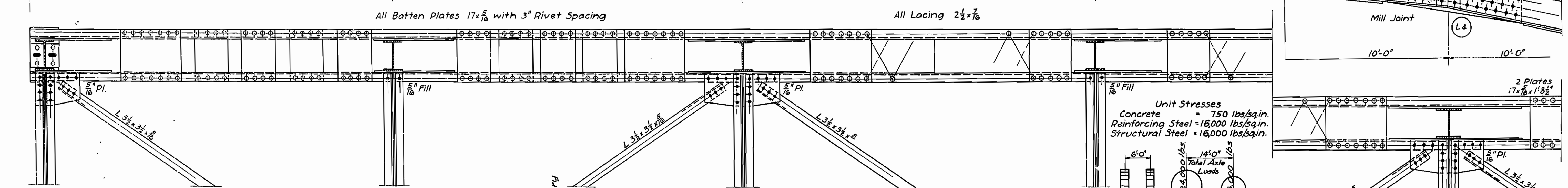
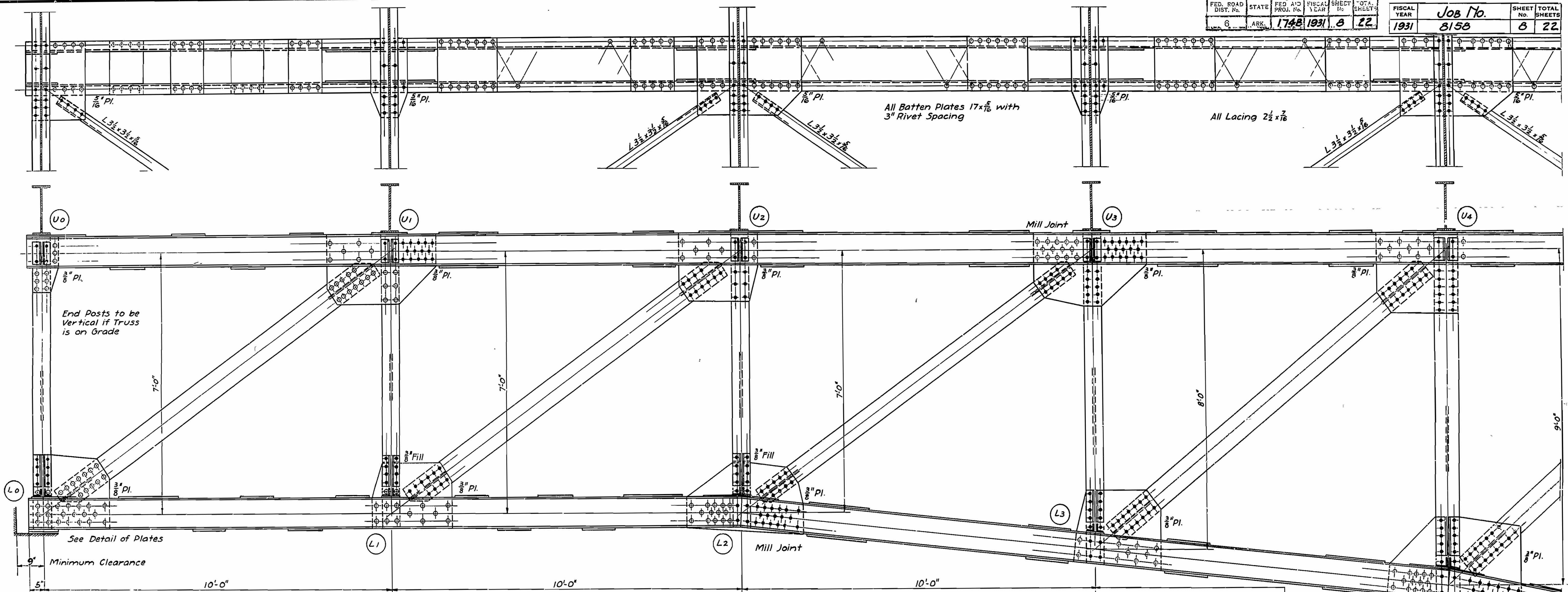
Drawn By: NOE Date: 4-13-31  
 Traced By: MKW Date: 4-16-31  
 Checked By: EGG Date: 4-27-31  
 Scale: 1 in. = 10 ft. 0"  
 BRIDGE NO. 1486 DRAWING NO. 3166

N.B. Lawler  
 BRIDGE ENGINEER









<p>6 Panels at 10'-0"=60'-0"</p> <p>U0: D=0.0, L=0.0, T=0.0</p> <p>U1: D=+41.937, L=-49.794, T=-11.004</p> <p>U2: D=+51.837, L=-46.375, T=-16.879</p> <p>U3: D=+24.061, L=-74.837, T=-44.444</p> <p>U4: D=+178.006, L=-125.178, T=-101.478</p> <p>U5: D=+65.615, L=-54.953, T=-8.308</p> <p>U6: D=+50.269, L=-44.632, T=-7.570</p> <p>U7: D=+21.170, L=-18.622, T=-3.700</p> <p>U8: D=-17.568, L=+16.870, T=-12.571</p> <p>U9: D=-17.568, L=+16.870, T=-12.571</p> <p>U10: D=-22.450, L=+21.170, T=-17.570</p> <p>U11: D=-33.675, L=+32.450, T=-28.896</p> <p>U12: D=-43.158, L=+41.937, T=-39.221</p> <p>U13: D=-55.466, L=+51.837, T=-50.546</p> <p>U14: D=-69.908, L=+61.735, T=-61.871</p> <p>U15: D=-86.369, L=+71.633, T=-73.196</p> <p>U16: D=-104.994, L=+81.531, T=-84.521</p> <p>U17: D=-125.794, L=+91.429, T=-95.846</p> <p>U18: D=-148.764, L=+101.327, T=-107.171</p> <p>U19: D=-183.915, L=+111.225, T=-118.496</p> <p>U20: D=-231.422, L=+121.123, T=-129.821</p> <p>U21: D=-291.285, L=+131.021, T=-141.146</p> <p>U22: D=-363.500, L=+140.919, T=-152.471</p> <p>U23: D=-448.067, L=+150.817, T=-163.796</p> <p>U24: D=-544.886, L=+160.715, T=-175.121</p> <p>U25: D=-653.859, L=+170.613, T=-186.446</p> <p>U26: D=-774.986, L=+180.511, T=-197.771</p> <p>U27: D=-907.271, L=+190.409, T=-209.096</p> <p>U28: D=-1050.714, L=+200.307, T=-220.421</p> <p>U29: D=-1205.315, L=+210.205, T=-231.746</p> <p>U30: D=-1371.074, L=+220.103, T=-243.071</p> <p>U31: D=-1547.991, L=+230.001, T=-254.396</p> <p>U32: D=-1735.966, L=+239.899, T=-265.721</p> <p>U33: D=-1934.999, L=+249.797, T=-277.046</p> <p>U34: D=-2145.080, L=+259.695, T=-288.371</p> <p>U35: D=-2366.309, L=+269.593, T=-299.696</p> <p>U36: D=-2598.686, L=+279.491, T=-311.021</p> <p>U37: D=-2843.211, L=+289.389, T=-322.346</p> <p>U38: D=-3099.882, L=+299.287, T=-333.671</p> <p>U39: D=-3368.709, L=+309.185, T=-345.000</p> <p>U40: D=-3650.692, L=+319.083, T=-356.325</p> <p>U41: D=-3945.831, L=+328.981, T=-367.650</p> <p>U42: D=-4254.126, L=+338.879, T=-378.975</p> <p>U43: D=-4576.577, L=+348.777, T=-390.300</p> <p>U44: D=-4913.184, L=+358.675, T=-401.625</p> <p>U45: D=-5264.947, L=+368.573, T=-412.950</p> <p>U46: D=-5631.866, L=+378.471, T=-424.275</p> <p>U47: D=-6014.941, L=+388.369, T=-435.600</p> <p>U48: D=-6414.172, L=+398.267, T=-446.925</p> <p>U49: D=-6830.559, L=+408.165, T=-458.250</p> <p>U50: D=-7264.102, L=+418.063, T=-469.575</p> <p>U51: D=-7715.801, L=+427.961, T=-480.900</p> <p>U52: D=-8185.656, L=+437.859, T=-492.225</p> <p>U53: D=-8673.667, L=+447.757, T=-503.550</p> <p>U54: D=-9180.834, L=+457.655, T=-514.875</p> <p>U55: D=-9707.157, L=+467.553, T=-526.200</p> <p>U56: D=-10252.636, L=+477.451, T=-537.525</p> <p>U57: D=-10817.271, L=+487.349, T=-548.850</p> <p>U58: D=-11391.062, L=+497.247, T=-560.175</p> <p>U59: D=-11984.009, L=+507.145, T=-571.500</p> <p>U60: D=-12596.112, L=+517.043, T=-582.825</p> <p>U61: D=-13227.371, L=+527.041, T=-594.150</p> <p>U62: D=-13877.786, L=+537.039, T=-605.475</p> <p>U63: D=-14547.357, L=+547.037, T=-616.800</p> <p>U64: D=-15236.084, L=+557.035, T=-628.125</p> <p>U65: D=-15944.967, L=+567.033, T=-639.450</p> <p>U66: D=-16674.006, L=+577.031, T=-650.775</p> <p>U67: D=-17423.201, L=+587.029, T=-662.100</p> <p>U68: D=-18192.552, L=+597.027, T=-673.425</p> <p>U69: D=-19082.059, L=+607.025, T=-684.750</p> <p>U70: D=-19991.722, L=+617.023, T=-696.075</p> <p>U71: D=-20921.541, L=+627.021, T=-707.400</p> <p>U72: D=-21881.516, L=+637.019, T=-718.725</p> <p>U73: D=-22871.747, L=+647.017, T=-730.050</p> <p>U74: D=-23892.234, L=+657.015, T=-741.375</p> <p>U75: D=-24933.077, L=+667.013, T=-752.700</p> <p>U76: D=-25994.276, L=+677.011, T=-764.025</p> <p>U77: D=-27075.831, L=+687.009, T=-775.350</p> <p>U78: D=-28177.742, L=+697.007, T=-786.675</p> <p>U79: D=-29299.909, L=+707.005, T=-798.000</p> <p>U80: D=-30442.332, L=+717.003, T=-809.325</p> <p>U81: D=-31605.011, L=+727.001, T=-820.650</p> <p>U82: D=-32787.946, L=+737.000, T=-831.975</p> <p>U83: D=-33991.147, L=+747.000, T=-843.300</p> <p>U84: D=-35215.614, L=+757.000, T=-854.625</p> <p>U85: D=-36461.347, L=+767.000, T=-865.950</p> <p>U86: D=-37728.346, L=+777.000, T=-877.275</p> <p>U87: D=-39016.611, L=+787.000, T=-888.600</p> <p>U88: D=-40326.242, L=+797.000, T=-900.000</p> <p>U89: D=-41657.239, L=+807.000, T=-911.325</p> <p>U90: D=-43009.692, L=+817.000, T=-922.650</p> <p>U91: D=-44383.601, L=+827.000, T=-933.975</p> <p>U92: D=-45779.066, L=+837.000, T=-945.300</p> <p>U93: D=-47196.087, L=+847.000, T=-956.625</p> <p>U94: D=-48634.764, L=+857.000, T=-967.950</p> <p>U95: D=-50095.197, L=+867.000, T=-979.275</p> <p>U96: D=-51571.376, L=+877.000, T=-990.600</p> <p>U97: D=-53063.401, L=+887.000, T=-1001.925</p> <p>U98: D=-54571.272, L=+897.000, T=-1013.250</p> <p>U99: D=-56095.989, L=+907.000, T=-1024.575</p> <p>U100: D=-57637.552, L=+917.000, T=-1035.900</p> <p>U101: D=-59195.961, L=+927.000, T=-1047.225</p> <p>U102: D=-60770.216, L=+937.000, T=-1058.550</p> <p>U103: D=-62360.317, L=+947.000, T=-1069.875</p> <p>U104: D=-63966.264, L=+957.000, T=-1081.200</p> <p>U105: D=-65588.057, L=+967.000, T=-1092.525</p> <p>U106: D=-67225.696, L=+977.000, T=-1103.850</p> <p>U107: D=-68879.181, L=+987.000, T=-1115.175</p> <p>U108: D=-70548.512, L=+997.000, T=-1126.500</p> <p>U109: D=-72233.689, L=+1007.000, T=-1137.825</p> <p>U110: D=-73934.712, L=+1017.000, T=-1149.150</p> <p>U111: D=-75651.581, L=+1027.000, T=-1160.475</p> <p>U112: D=-77384.296, L=+1037.000, T=-1171.800</p> <p>U113: D=-79132.857, L=+1047.000, T=-1183.125</p> <p>U114: D=-80897.264, L=+1057.000, T=-1194.450</p> <p>U115: D=-82677.517, L=+1067.000, T=-1205.775</p> <p>U116: D=-84473.616, L=+1077.000, T=-1217.100</p> <p>U117: D=-86285.561, L=+1087.000, T=-1228.425</p> <p>U118: D=-88113.352, L=+1097.000, T=-1239.750</p> <p>U119: D=-89957.089, L=+1107.000, T=-1251.075</p> <p>U120: D=-91816.772, L=+1117.000, T=-1262.400</p> <p>U121: D=-93692.501, L=+1127.000, T=-1273.725</p> <p>U122: D=-95584.276, L=+1137.000, T=-1285.050</p> <p>U123: D=-97492.097, L=+1147.000, T=-1296.375</p> <p>U124: D=-99415.964, L=+1157.000, T=-1307.700</p> <p>U125: D=-101355.877, L=+1167.000, T=-1319.025</p> <p>U126: D=-103311.836, L=+1177.000, T=-1330.350</p> <p>U127: D=-105283.841, L=+1187.000, T=-1341.675</p> <p>U128: D=-107271.892, L=+1197.000, T=-1353.000</p> <p>U129: D=-109276.089, L=+1207.000, T=-1364.325</p> <p>U130: D=-111296.432, L=+1217.000, T=-1375.650</p> <p>U131: D=-113332.921, L=+1227.000, T=-1386.975</p> <p>U132: D=-115385.556, L=+1237.000, T=-1398.300</p> <p>U133: D=-117454.337, L=+1247.000, T=-1409.625</p> <p>U134: D=-119539.264, L=+1257.000, T=-1420.950</p> <p>U135: D=-121640.337, L=+1267.000, T=-1432.275</p> <p>U136: D=-123757.556, L=+1277.000, T=-1443.600</p> <p>U137: D=-125890.921, L=+1287.000, T=-1454.925</p> <p>U138: D=-128040.432, L=+1297.000, T=-1466.250</p> <p>U139: D=-130206.089, L=+1307.000, T=-1477.575</p> <p>U140: D=-132387.892, L=+1317.000, T=-1488.900</p> <p>U141: D=-134585.841, L=+1327.000, T=-1500.225</p> <p>U142: D=-136799.936, L=+1337.000, T=-1511.550</p> <p>U143: D=-139030.177, L=+1347.000, T=-1522.875</p> <p>U144: D=-141286.564, L=+1357.000, T=-1534.200</p> <p>U145: D=-143559.097, L=+1367.000, T=-1545.525</p> <p>U146: D=-145847.776, L=+1377.000, T=-1556.850</p> <p>U147: D=-148152.601, L=+1387.000, T=-1568.175</p> <p>U148: D=-150473.672, L=+1397.000, T=-1579.500</p> <p>U149: D=-152810.889, L=+1407.000, T=-1590.825</p> <p>U150: D=-155164.252, L=+1417.000, T=-1602.150</p> <p>U151: D=-157533.761, L=+1427.000, T=-1613.475</p> <p>U152: D=-159919.416, L=+1437.000, T=-1624.800</p> <p>U153: D=-162321.217, L=+1447.000, T=-1636.125</p> <p>U154: D=-164739.164, L=+1457.000, T=-1647.450</p> <p>U155: D=-167173.257, L=+1467.000, T=-1658.775</p> <p>U156: D=-169623.496, L=+1477.000, T=-1670.100</p> <p>U157: D=-172089.881, L=+1487.000, T=-1681.425</p> <p>U158: D=-174572.412, L=+1497.000, T=-1692.750</p> <p>U159: D=-177081.089, L=+1507.000, T=-1704.075</p> <p>U160: D=-179605.912, L=+1517.000, T=-1715.400</p> <p>U161: D=-182146.881, L=+1527.000, T=-1726.725</p> <p>U162: D=-184704.096, L=+1537.000, T=-1738.050</p> <p>U163: D=-187277.557, L=+1547.000, T=-1749.375</p> <p>U164: D=-189867.264, L=+1557.000, T=-1760.700</p> <p>U165: D=-192473.217, L=+1567.000, T=-1772.025</p> <p>U166: D=-195095.416, L=+1577.000, T=-1783.350</p> <p>U167: D=-197733.861, L=+1587.000, T=-1794.675</p> <p>U168: D=-200388.552, L=+1597.000, T=-1806.000</p> <p>U169: D=-203059.489, L=+1607.000, T=-1817.325</p> <p>U170: D=-205746.682, L=+1617.000, T=-1828.650</p> <p>U171: D=-208450.131, L=+1627.000, T=-1840.000</p> <p>U172: D=-211170.836, L=+1637.000, T=-1851.325</p> <p>U173: D=-213907.797, L=+1647.000, T=-1862.650</p> <p>U174: D=-216661.014, L=+1657.000, T=-1873.975</p> <p>U175: D=-219430.487, L=+1667.000, T=-1885.300</p> <p>U176: D=-222216.216, L=+1677.000, T=-1896.625</p> <p>U177: D=-225018.201, L=+1687.000, T=-1907.950</p> <p>U178: D=-227836.442, L=+1697.000, T=-1919.275</p> <p>U179: D=-230660.939, L=+1707.000, T=-1930.600</p> <p>U180: D=-233501.692, L=+1717.000, T=-1941.925</p> <p>U181: D=-236358.701, L=+1727.000, T=-1953.250</p> <p>U182: D=-239231.966, L=+1737.000, T=-1964.575</p> <p>U183: D=-242121.487, L=+1747.000, T=-1975.900</p> <p>U184: D=-245027.264, L=+1757.000, T=-1987.225</p> <p>U185: D=-247949.297, L=+1767.000, T=-1998.550</p> <p>U186: D=-250887.576, L=+1777.000, T=-2009.875</p> <p>U187: D=-253842.101, L=+1787.000, T=-2021.200</p> <p>U188: D=-256812.872, L=+1797.000, T=-2032.525</p> <p>U189: D=-259799.889, L=+1807.000, T=-2043.850</p> <p>U190: D=-262803.152, L=+1817.000, T=-2055.175</p> <p>U191: D=-265822.661, L=+1827.000, T=-2066.500</p> <p>U192: D=-268858.416, L=+1837.000, T=-2077.825</p> <p>U193: D=-271900.417, L=+1847.000, T=-2089.150</p> <p>U194: D=-274958.664, L=+1857.000, T=-2100.475</p> <p>U195: D=-278033.157, L=+1867.000, T=-2111.800</p> <p>U196: D=-281123.896, L=+1877.000, T=-2123.125</p> <p>U197: D=-284230.881, L=+1887.000, T=-2134.450</p> <p>U198: D=-287354.112, L=+1897.000, T=-2145.775</p> <p>U199: D=-290493.589, L=+1907.000, T=-2157.100</p> <p>U200: D=-293649.312, L=+1917.000, T=-2168.425</p>	<p>End Reaction</p> <p>D = -40.390</p> <p>L = -43.148</p> <p>T = 9.363</p>
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**DETAILS OF**  
**220'-0" CONTINUOUS TRUSS SPAN**  
**SO. FORK OF LITTLE RED RIVER**  
**AT CLINTON-VAN BUREN COUNTY**  
 ROUTE 65 SEC. 8  
**ARKANSAS STATE HIGHWAY COMMISSION**  
 LITTLE ROCK, ARK.

Drawn By: *Nov* Date: 3-27-31  
 Traced By: *PA* Date: 4-16-31  
 Checked By: *PA* Date: \_\_\_\_\_

Scale:  $\frac{3}{4}$  in. = 1 ft.

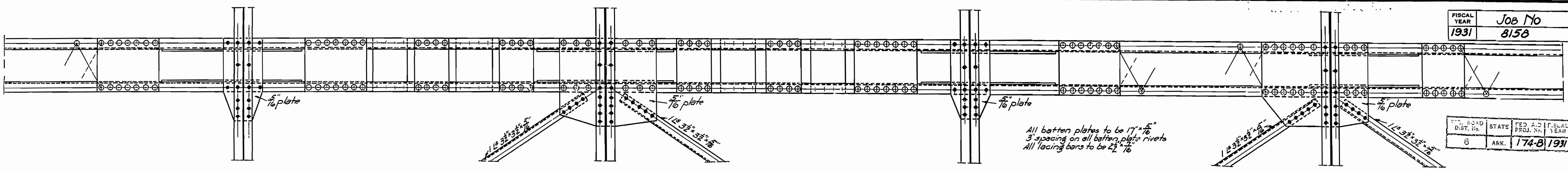
BRIDGE NO. 1486 DRAWING NO. 3171

*N. B. Gower*  
 BRIDGE ENGINEER

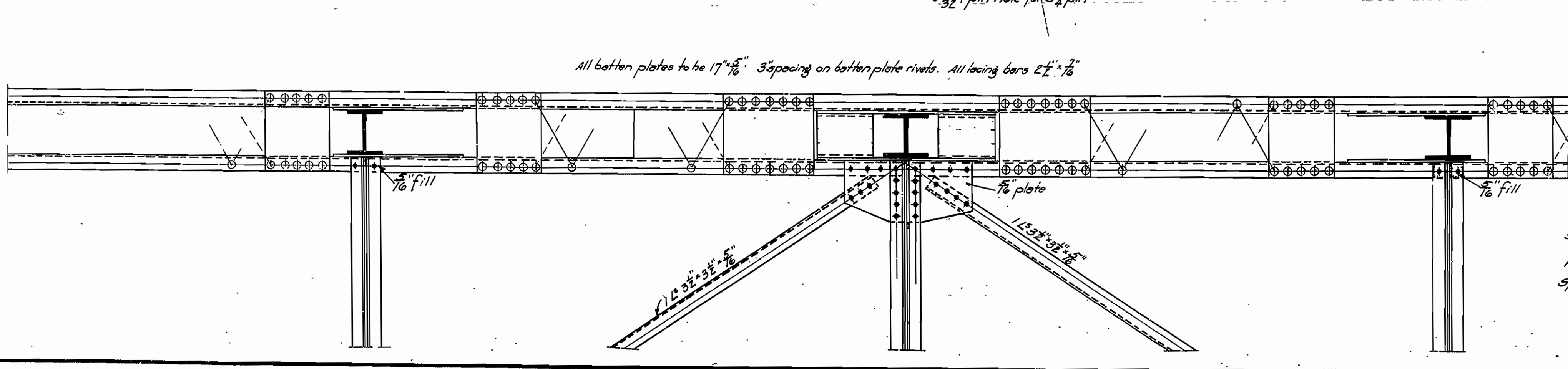
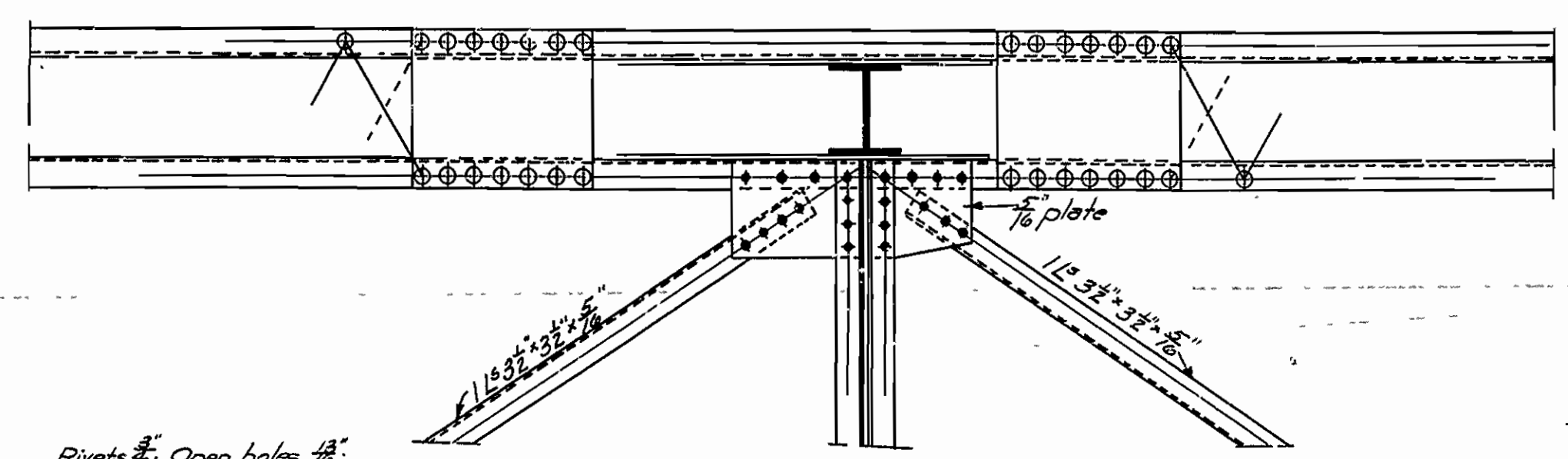
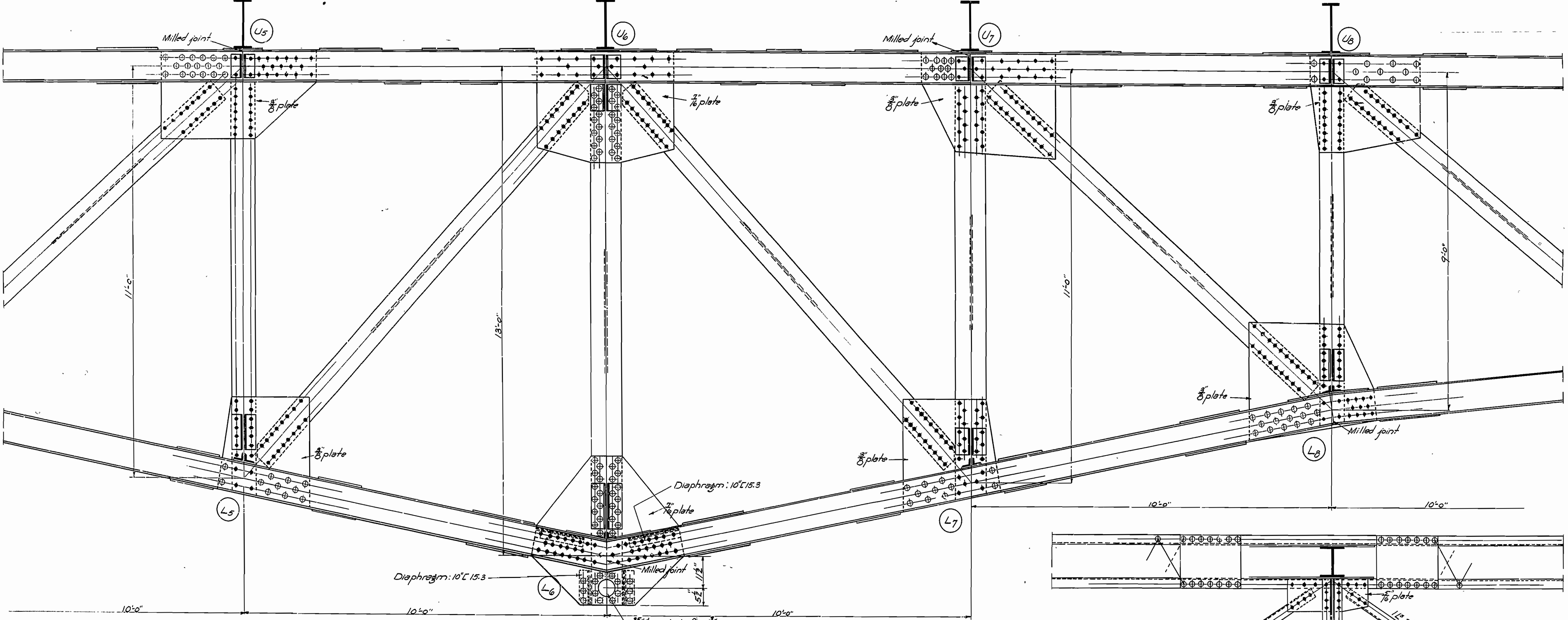


FISCAL YEAR	Job No	SHEET	TOTAL SHEETS
1931	8158	9	22

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	174-B	1931	9	22



All batten plates to be 17" x 7/8"  
3" spacing on all batten plate rivets  
All lacing bars to be 2 1/2" x 7/8"



All batten plates to be 17" x 7/8" 3" spacing on batten plate rivets. All lacing bars 2 1/2" x 7/8"

Rivets 3/4" Open holes 1 1/8"  
All holes in main connections of trusses to be spherical 7/8" and reamed to size while truss is assembled, this applies to field as well as shop rivets.  
All field connections shall be riveted.  
Shop paint: After completing assembly and shop work all pieces shall be given one coat of red lead and zinc linseed oil before shipment.  
Field paint: Apply two coats of aluminum paint (see special provisions).  
Floor slab: concrete to be Class 5. One inch has been added for wear.  
Shapes of equal or greater strength may be substituted for the structural shapes shown, but payment will be made in accordance with sizes given on plans. This drawing shows general features of design only.  
Shop drawings shall be made in compliance with specifications, submitted and approved before fabrication is begun.  
Roadway drains and expansion devices shown on structural steel plans are to be paid for as structural steel.  
Specifications: Arkansas Standard Road and Bridge Specifications, adopted May 30, 1925 and revised.

**DETAILS OF  
220'-0" CONTINUOUS TRUSS SPAN  
OVER SOUTH FORK OF LITTLE RED RIVER  
AT CLINTON - VAN BUREN CO.  
ROUTE 6 SEC. 8**

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

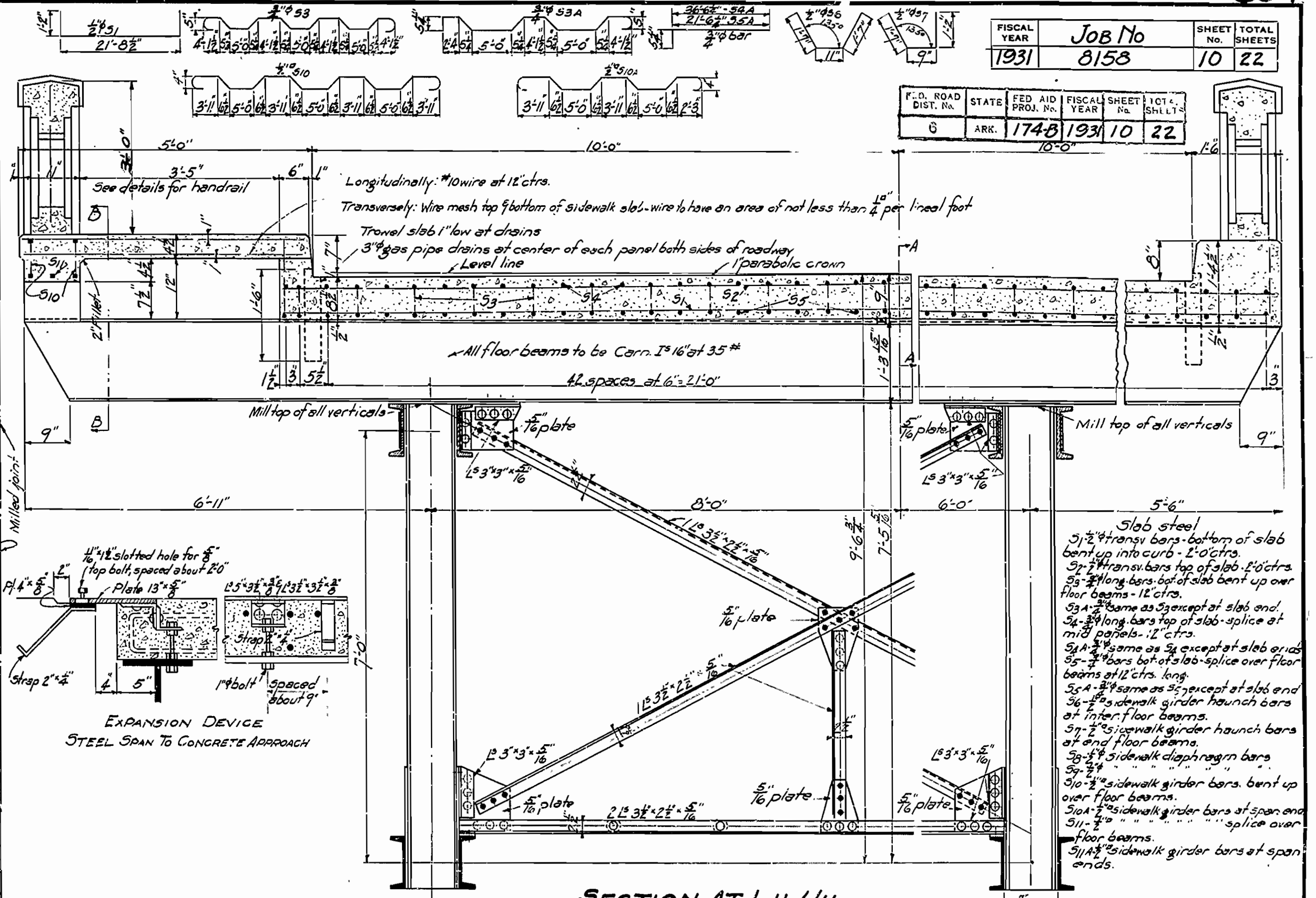
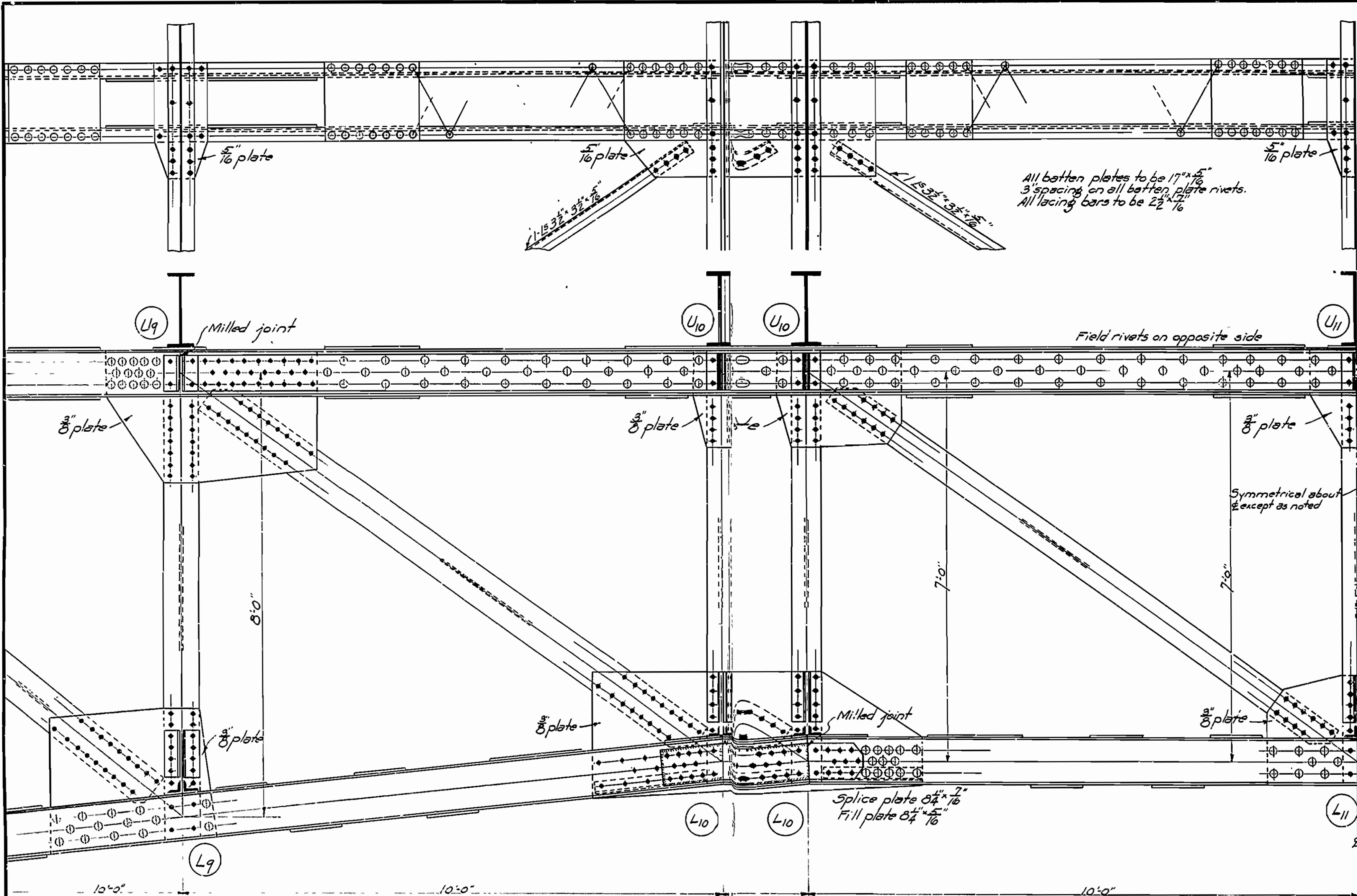
Drawn By: *Age* Date: 3-31-31  
Traced By: *Age* Date: 4-12-31  
Checked By: *PA* Date: \_\_\_\_\_  
BRIDGE NO. 1486 DRAWING NO. 3172

*N.B. Gerner*  
BRIDGE ENGINEER

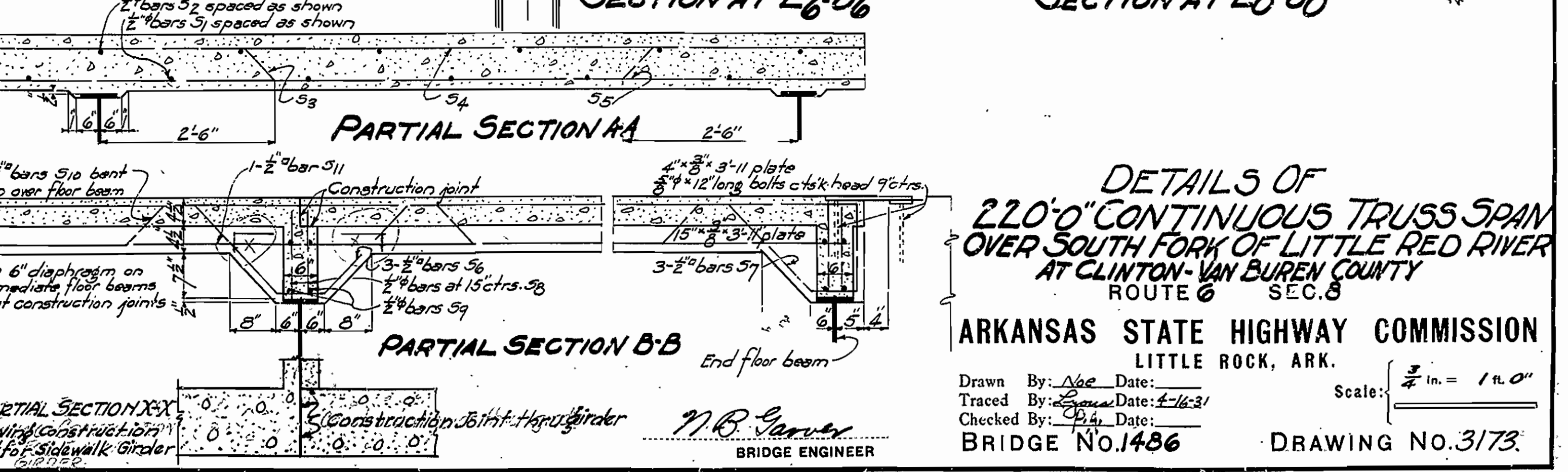
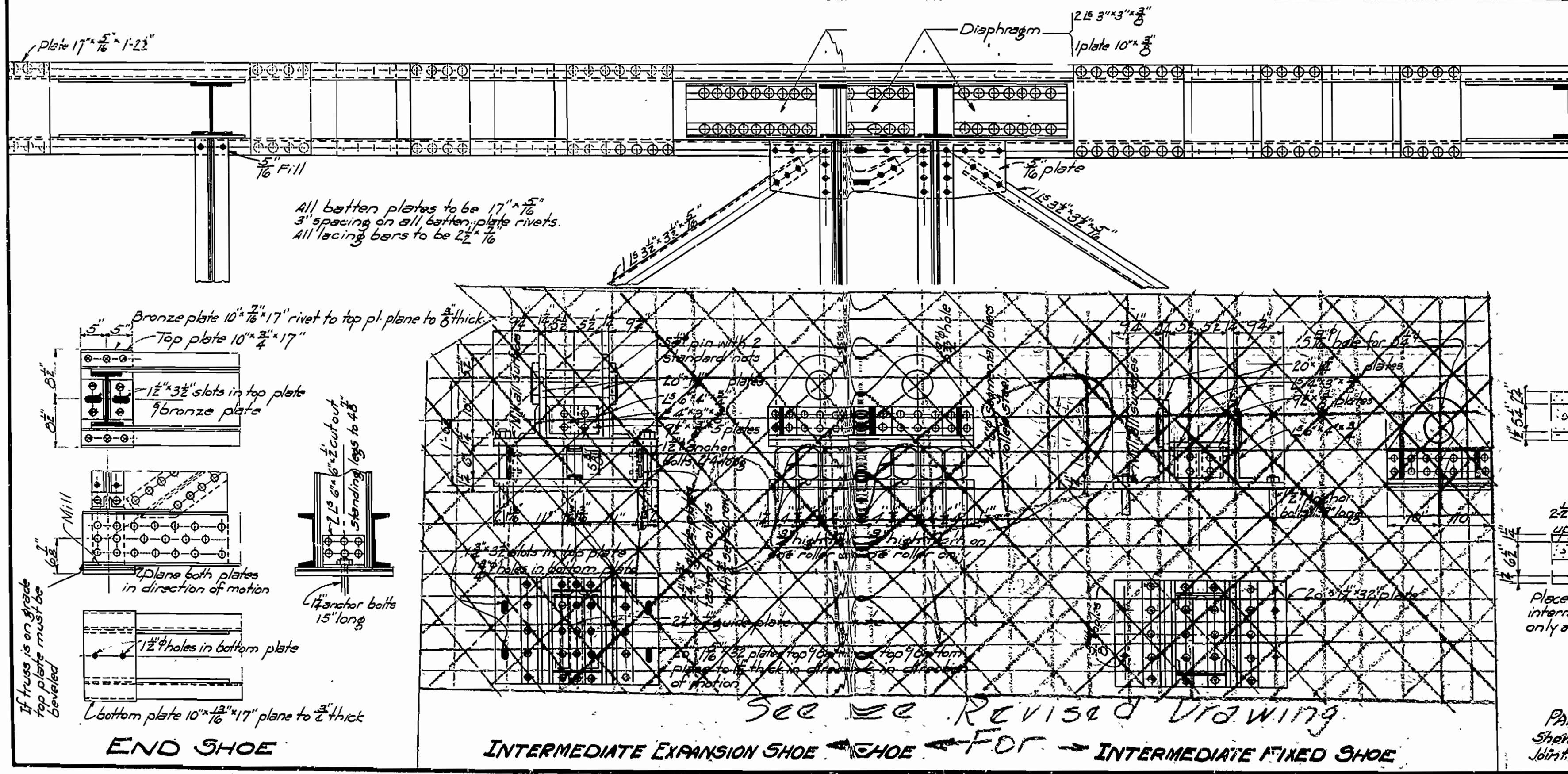
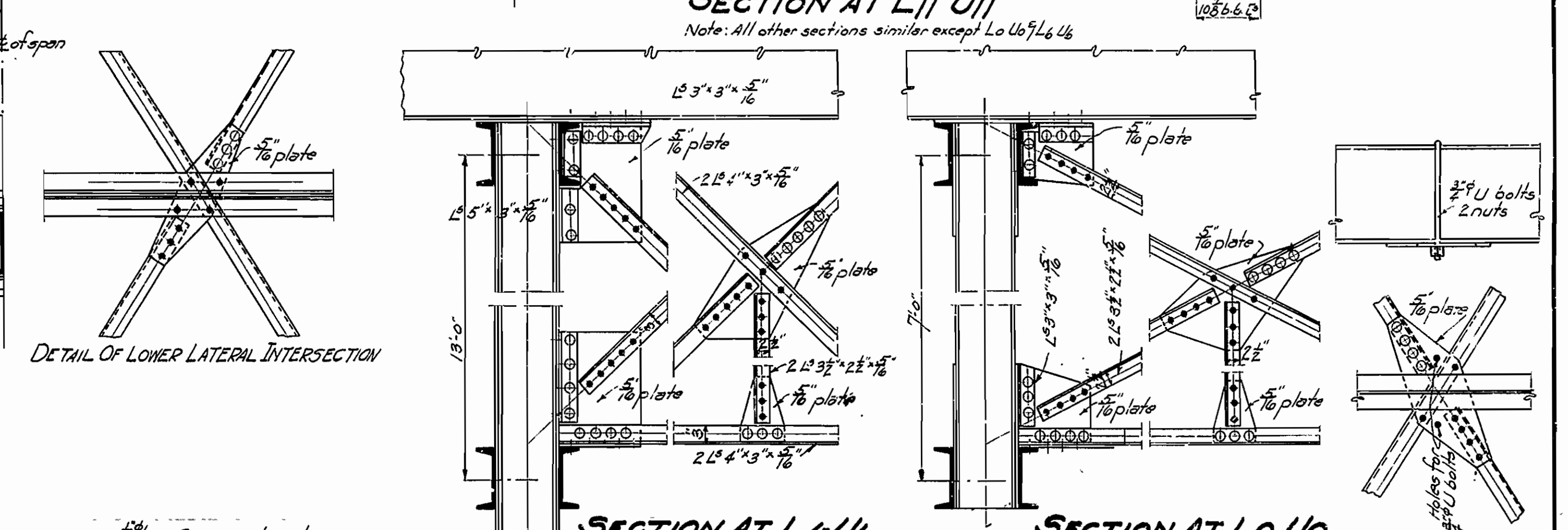
Scale: 1/4" = 1'-0"

FISCAL YEAR	JOB No	SHEET TOTAL SHEETS
1931	8158	10 22

F.O. ROAD DIST. No.	STATE	FED AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
6	ARK.	1748	1931	10	22



- 51 1/2" heavy bars bottom of slab bent up into curb - 1'-0" ctrs.
- 52 3/4" transv. bars top of slab - 1'-0" ctrs.
- 53 3/4" long bars bot of slab bent up over floor beams - 12" ctrs.
- 54 3/4" same as 53 except at slab end.
- 55 3/4" long bars top of slab - splice at mid span - 12" ctrs.
- 56 3/4" same as 55 except at slab end.
- 57 3/4" bars bot of slab - splice over floor beams at 12" ctrs. long.
- 58 3/4" same as 57 except at slab end.
- 59 3/4" sidewalk girder haunch bars at intermediate floor beams.
- 60 3/4" sidewalk girder haunch bars at end floor beams.
- 61 3/4" sidewalk girder bars bent up over floor beams.
- 62 3/4" sidewalk girder bars at span and floor beams.
- 63 3/4" sidewalk girder bars at span ends.



**DETAILS OF 220'-0" CONTINUOUS TRUSS SPAN OVER SOUTH FORK OF LITTLE RED RIVER AT CLINTON-VAN BUREN COUNTY ROUTE 6 SEC. 8**

ARKANSAS STATE HIGHWAY COMMISSION  
LITTLE ROCK, ARK.

Drawn By: *[Signature]* Date: *[Date]*  
Traced By: *[Signature]* Date: *[Date]*  
Checked By: *[Signature]* Date: *[Date]*

BRIDGE No. 1486 DRAWING No. 3173

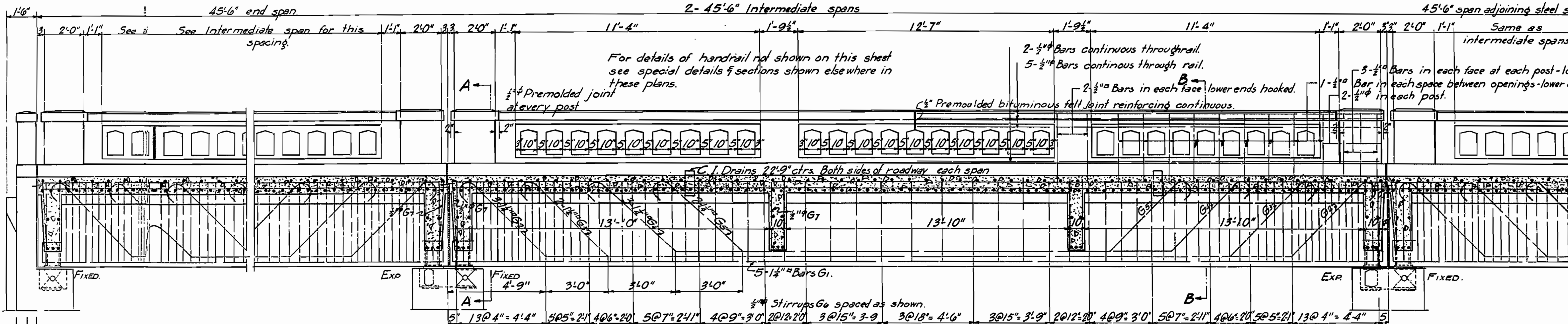
Scale: 1/4" = 1'-0"

SEE REVISION DRAWING

M.R. Sauer  
BRIDGE ENGINEER

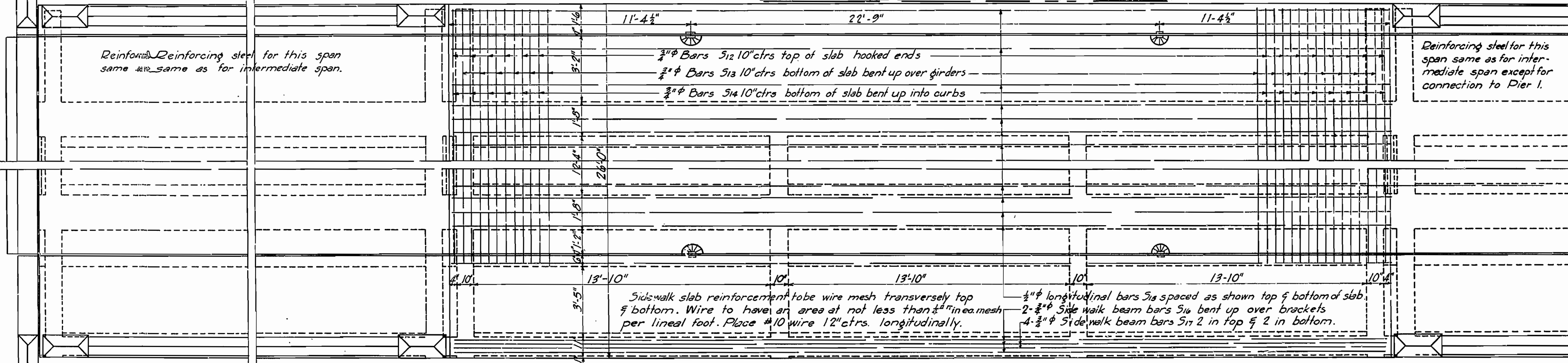
FISCAL YEAR	Job No	SHEET No.	TOTAL SHEETS
1931	8158	11	22

FED. ROAD DIST. No.	STATE	F.D.A. PROJ. No.	YEAR	DATE	SCALE
6	ARK.	174-B-1931	11	22	

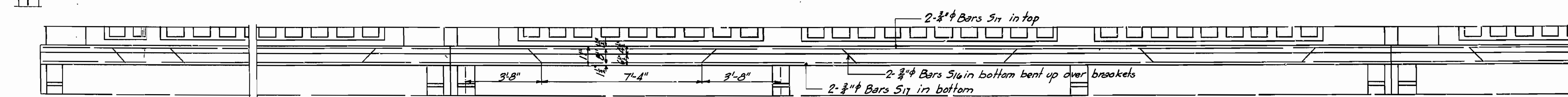


MARK	SIZE	LENGTH	BENDING DIAGRAMS
G1	1 1/2"	49'-0"	[Diagram]
G2	"	49'-10"	[Diagram]
G3	"	43'-10"	[Diagram]
G4	"	37'-2"	[Diagram]
G5	"	31'-2"	[Diagram]
G6	1/2"	10'-0"	[Diagram]
G8	3/8"	21'-9"	[Diagram]
G13	7/8"	49'-2"	[Diagram]
G9	3/8"	34'-0"	[Diagram]
S10	7/8"	45'-10 1/2"	[Diagram]
S12	"	23'-5"	[Diagram]
S14	"	24'-0"	[Diagram]
S13	"	23'-10"	[Diagram]

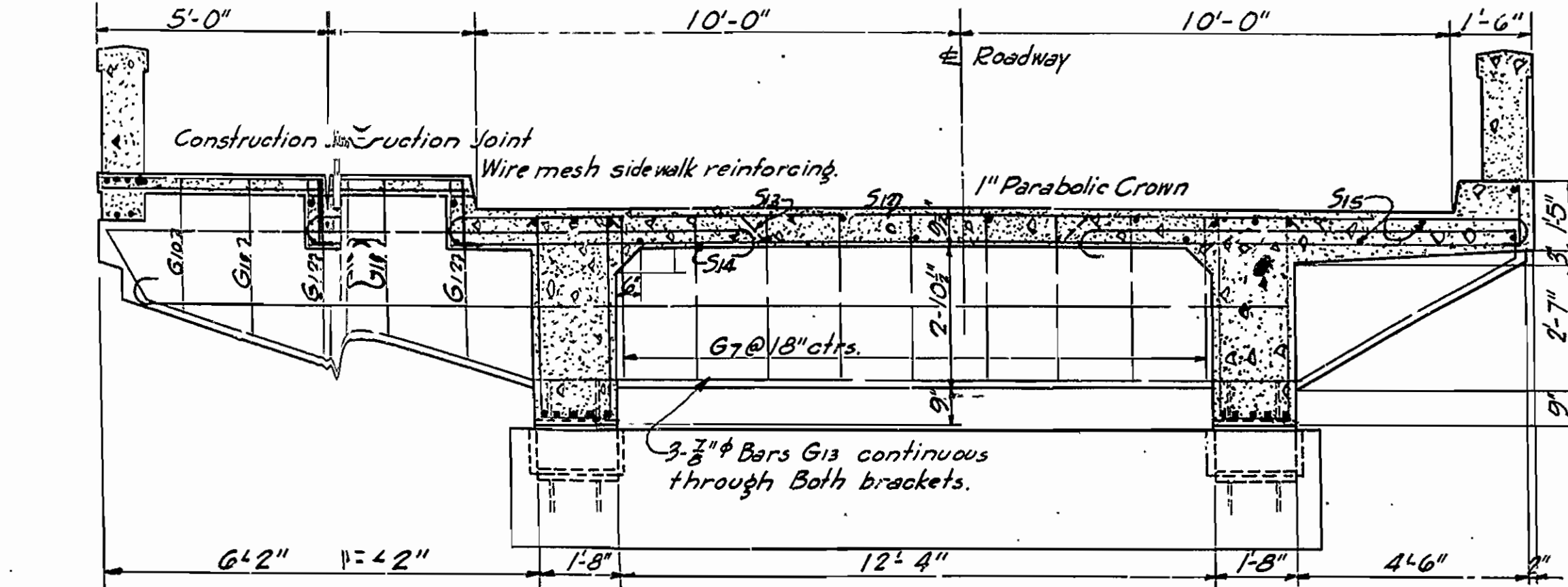
**LONGITUDINAL SECTION ALONG E OF ROADWAY**



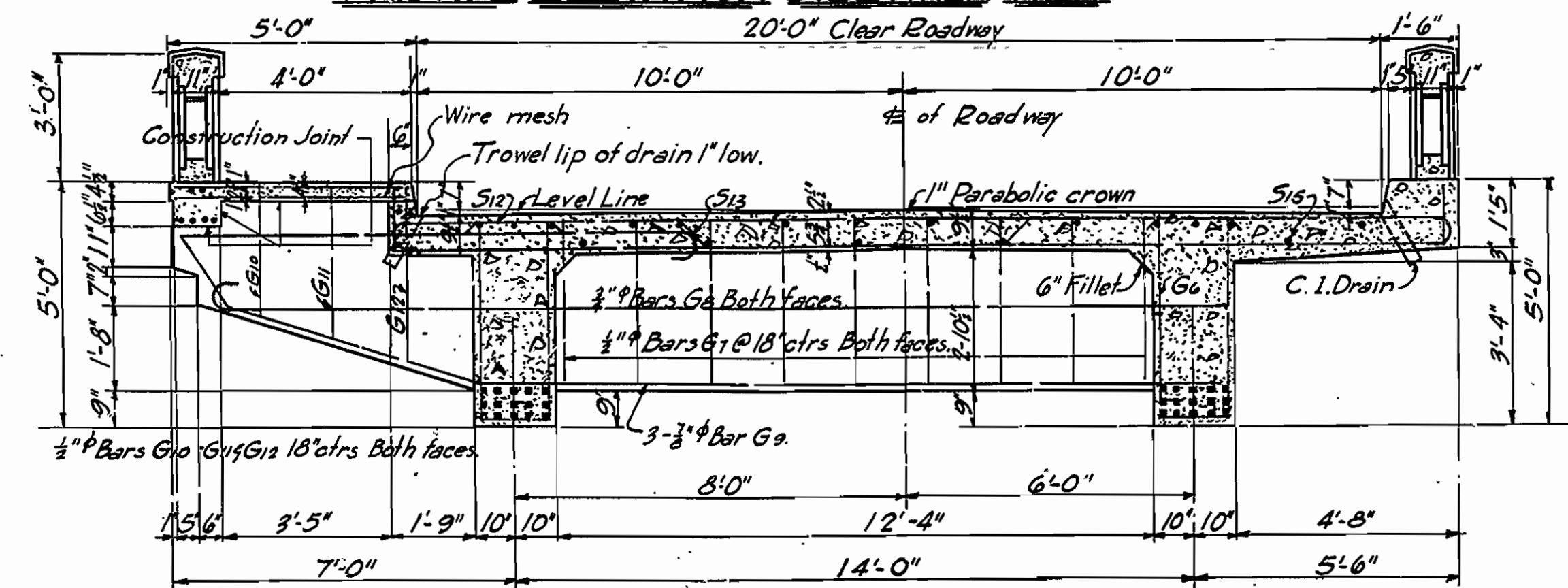
**PARTIAL PLAN VIEW**



**PARTIAL ELEVATION SIDEWALK VIEW**

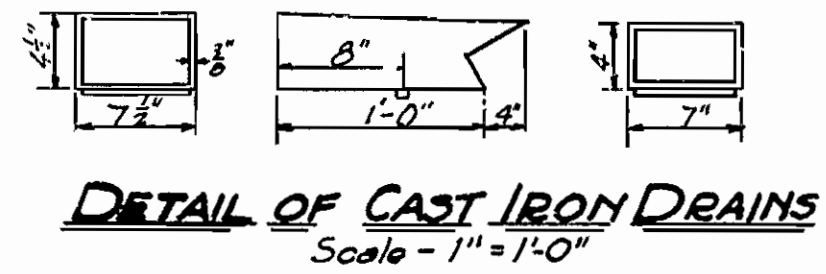


**SECTION AA.**

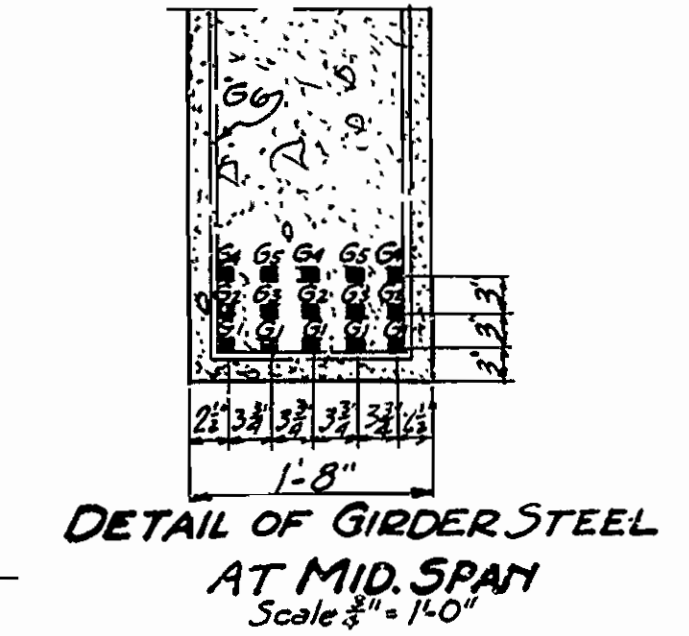


**SECTION BB.**

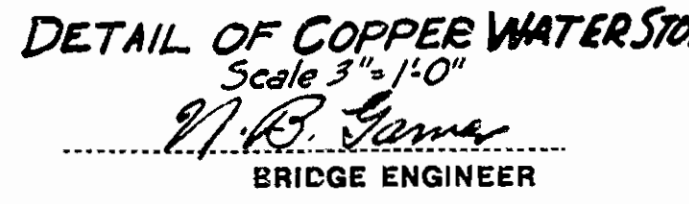
**GENERAL NOTES.**  
 All exposed corners to have a 3/4" chamfer unless otherwise noted.  
 Precast concrete handrail to be 1:1:2 mix. Max. agg. 3/8".  
 All concrete, except handrail, to be Class "5".  
 Reinforcing steel to be deformed bars of Structural or intermediate grade.  
 Shop list and bending diagrams must be submitted by the contractor before fabrication is begun.  
 Roadway drains and expansion devices to be paid for at the unit price bid for reinforcing steel.  
 Specifications: Arkansas Standard Road & Bridge Specifications, adopted May 30th, 1925 and Revised.  
 Unit Stresses: fs = 16000 psi, fc = 750 psi, n = 15.  
 Loading: H.S.



**DETAIL OF CAST IRON DRAINS**  
Scale - 1" = 1'-0"



**DETAIL OF GIRDER STEEL AT MID SPAN**  
Scale 3/4" = 1'-0"

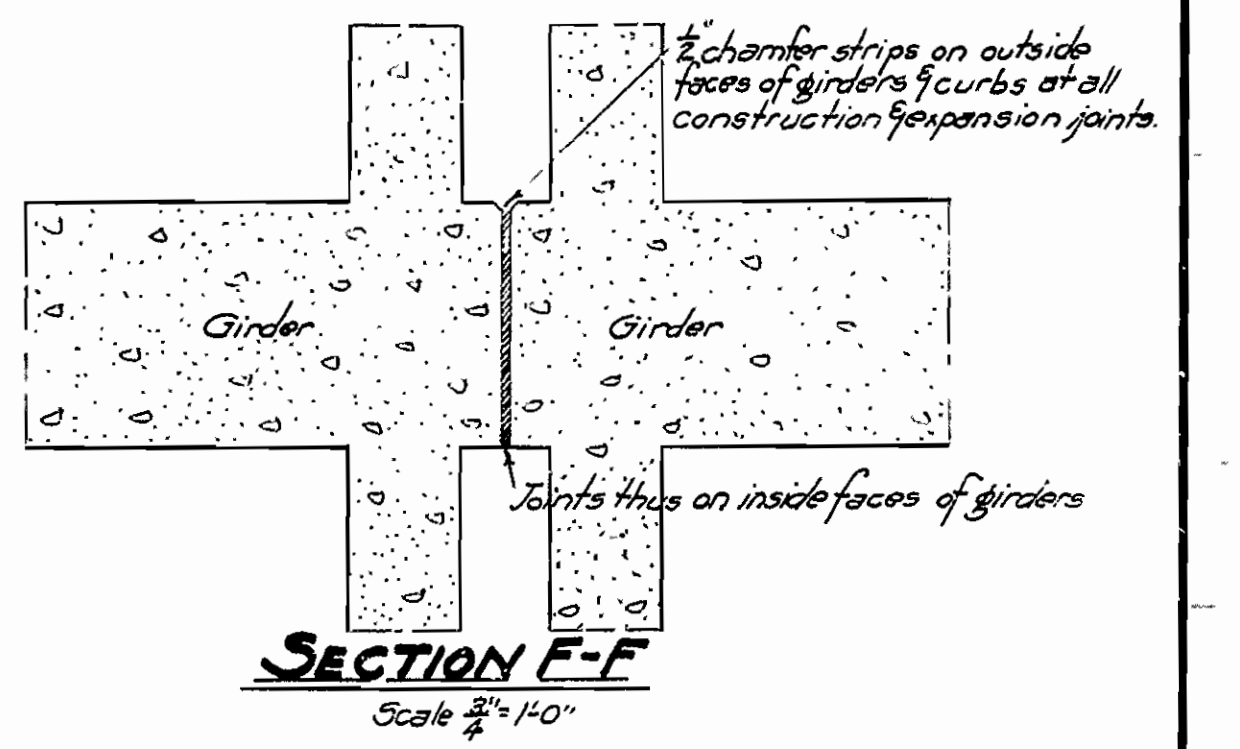
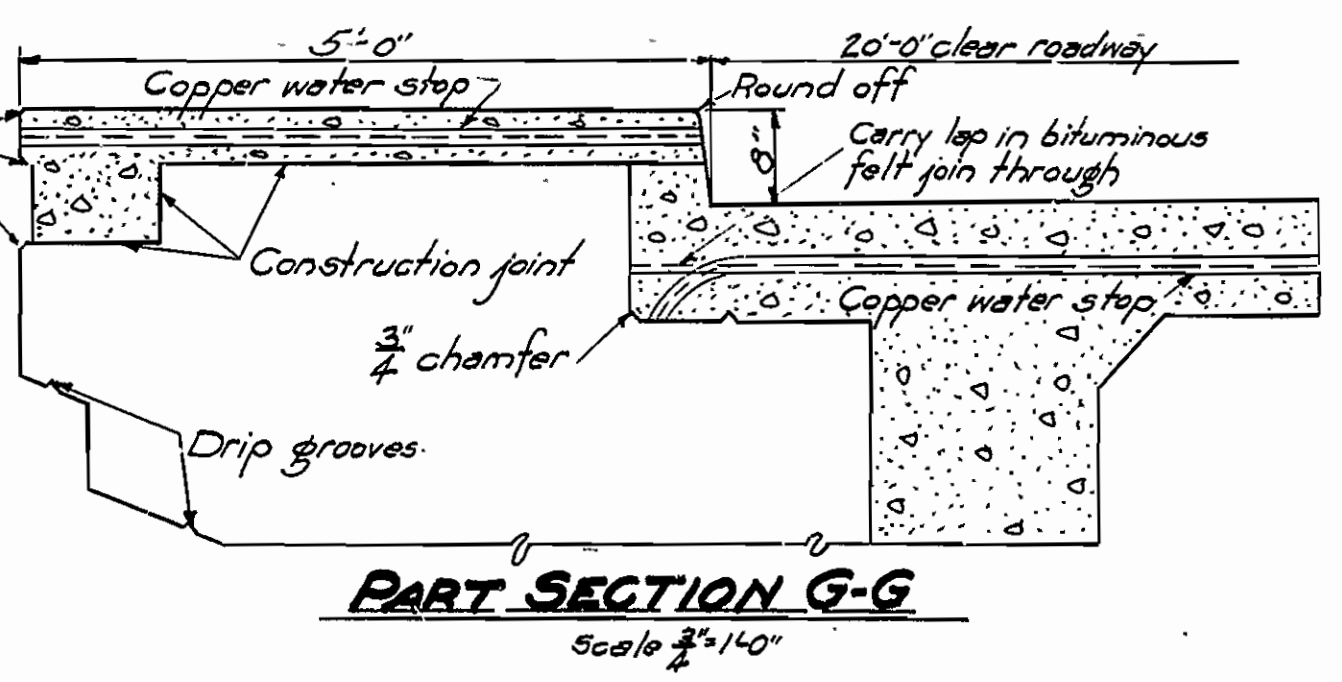
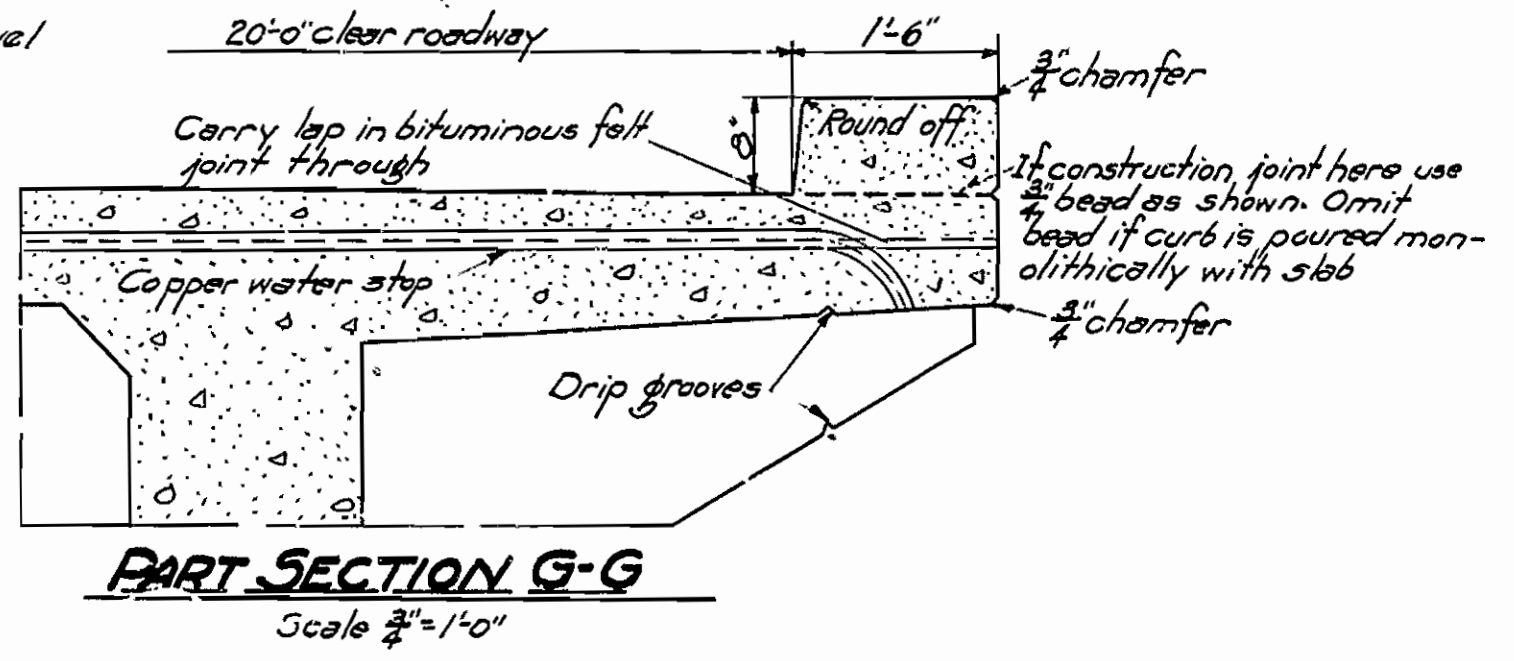
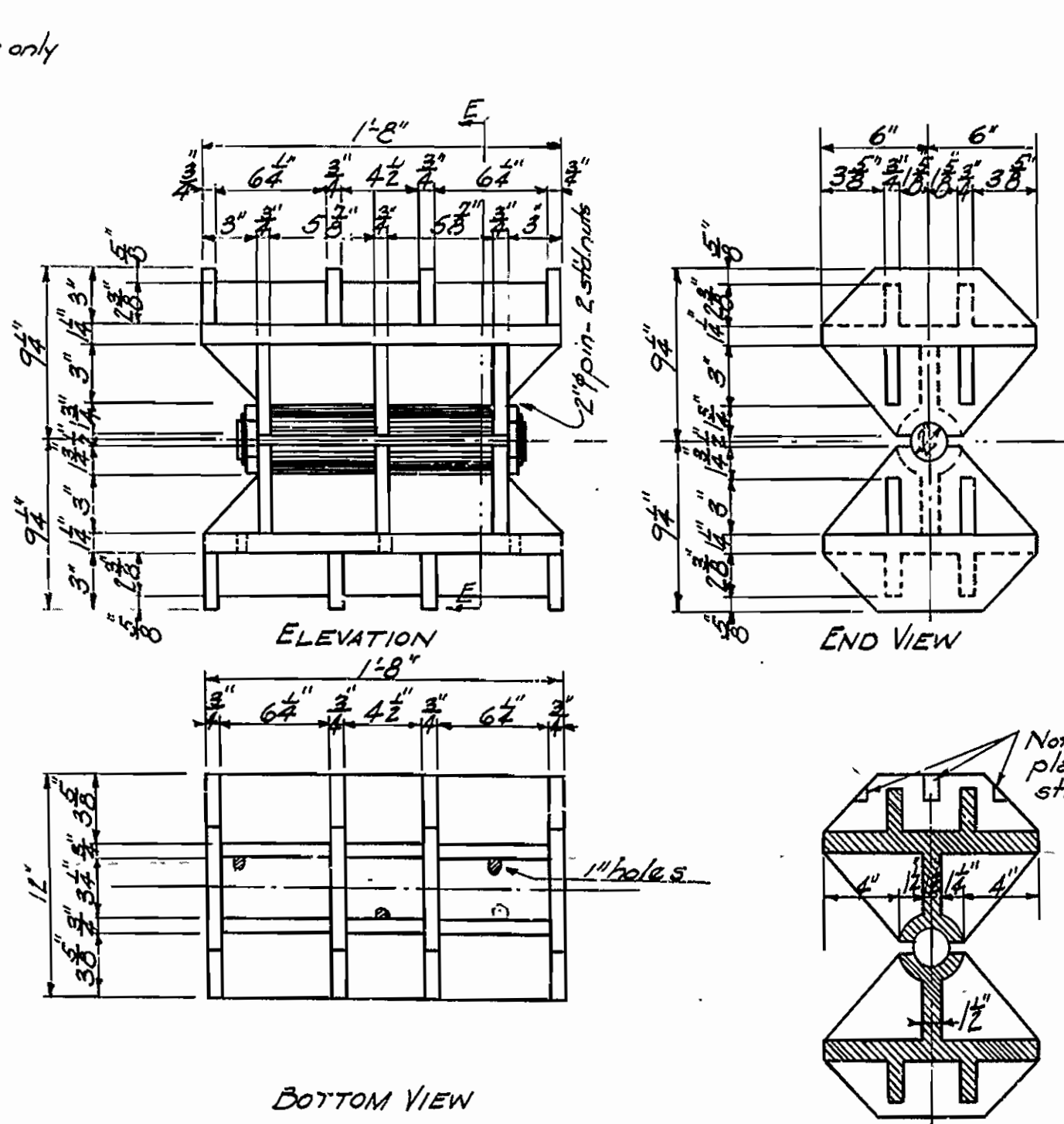
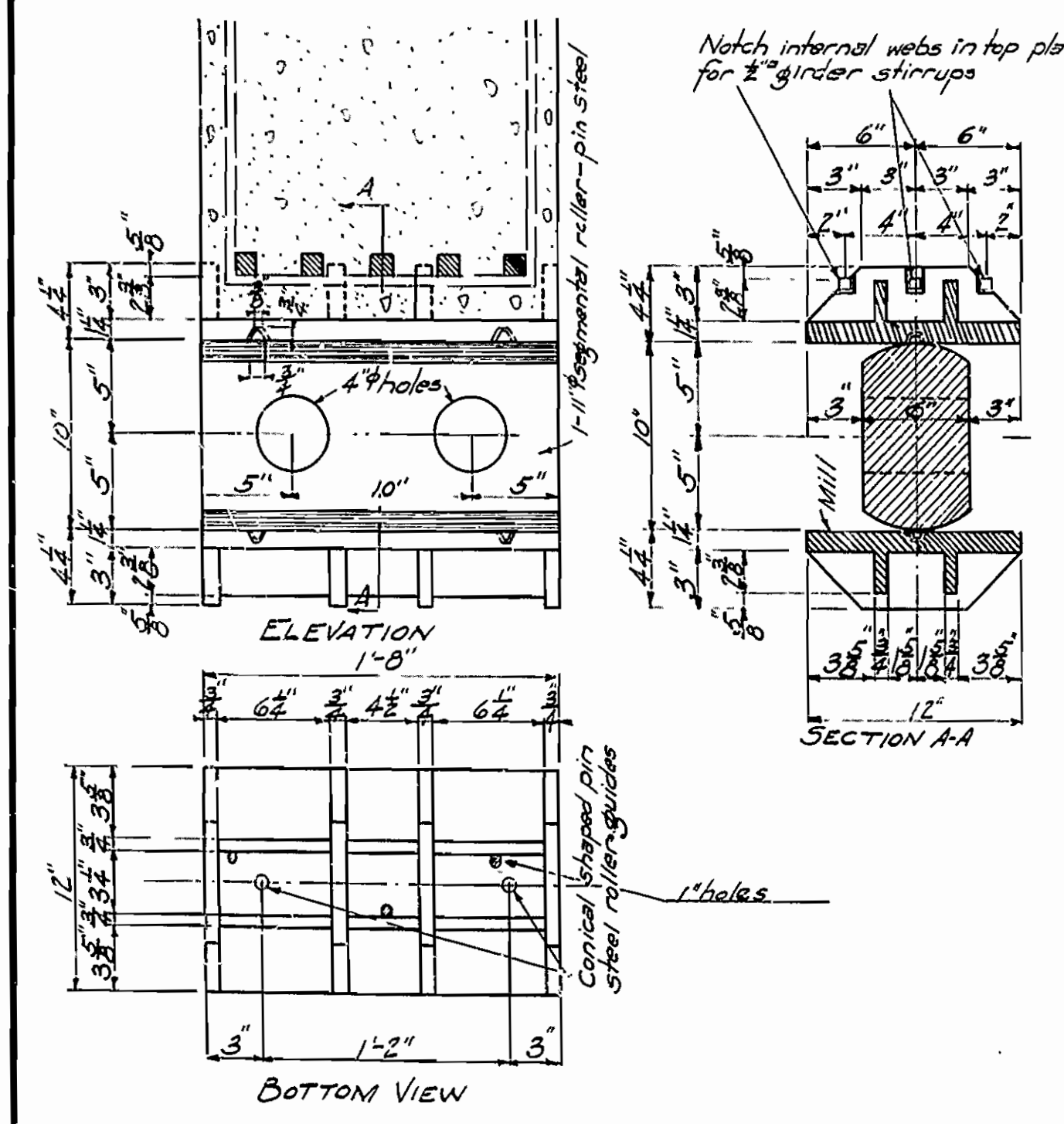
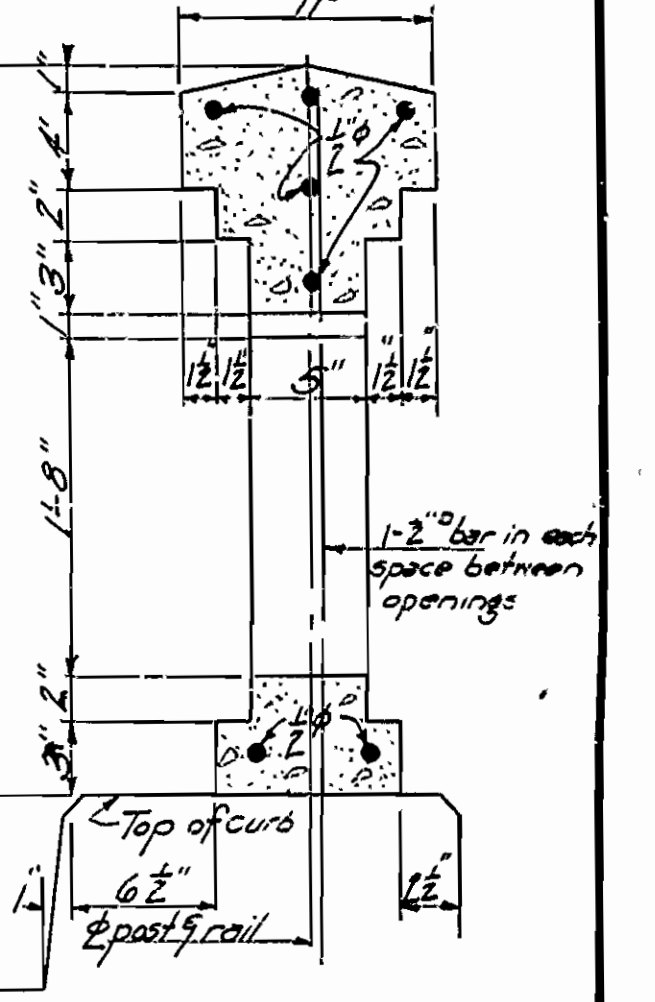
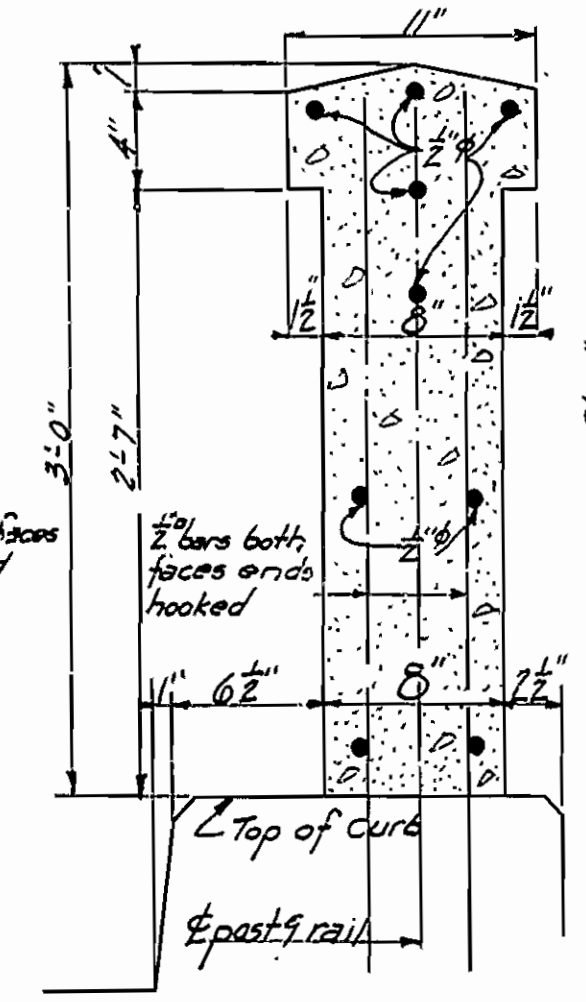
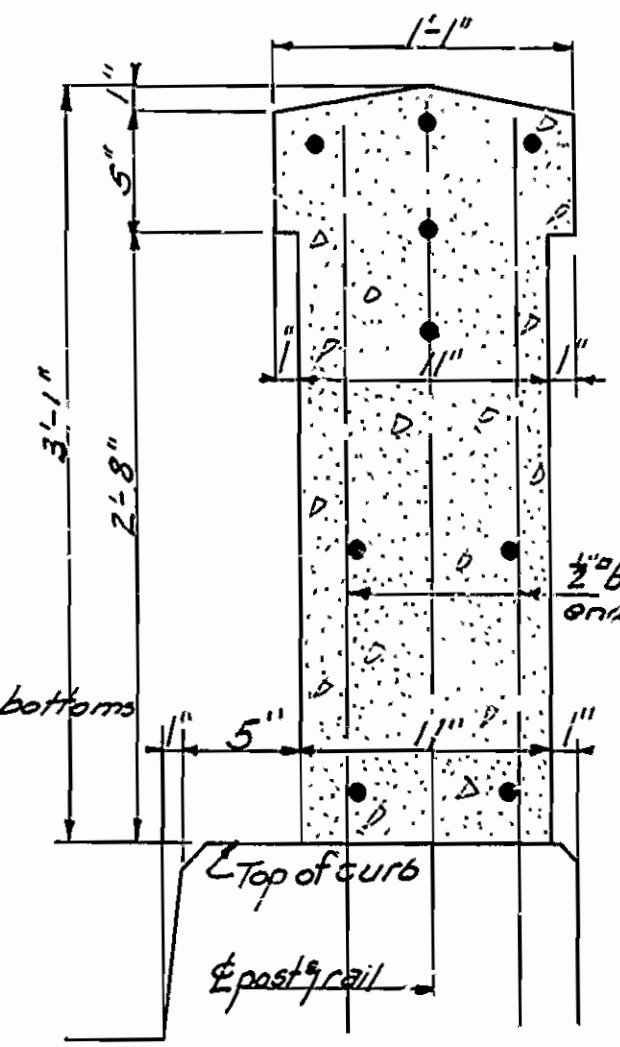
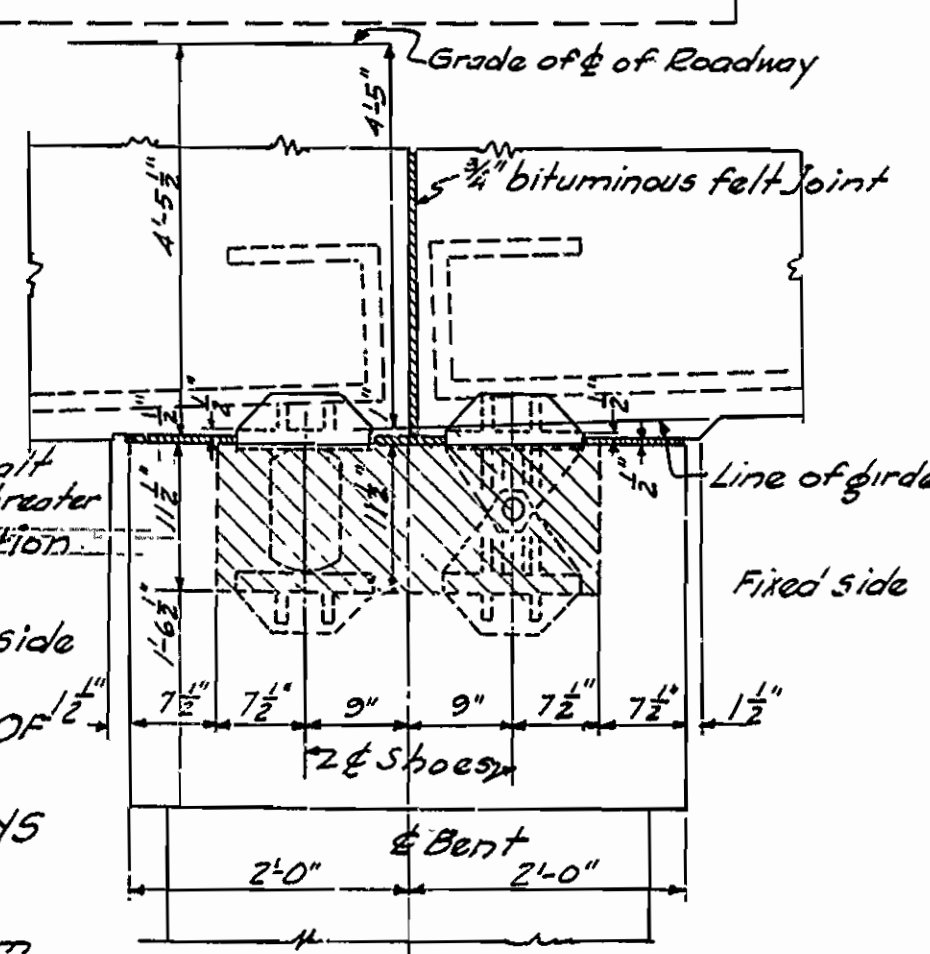
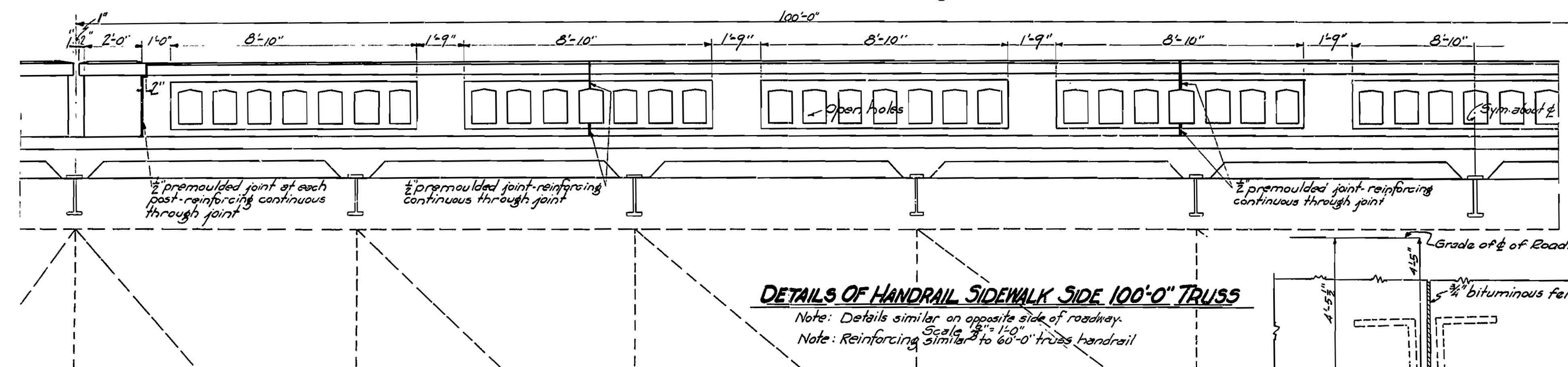
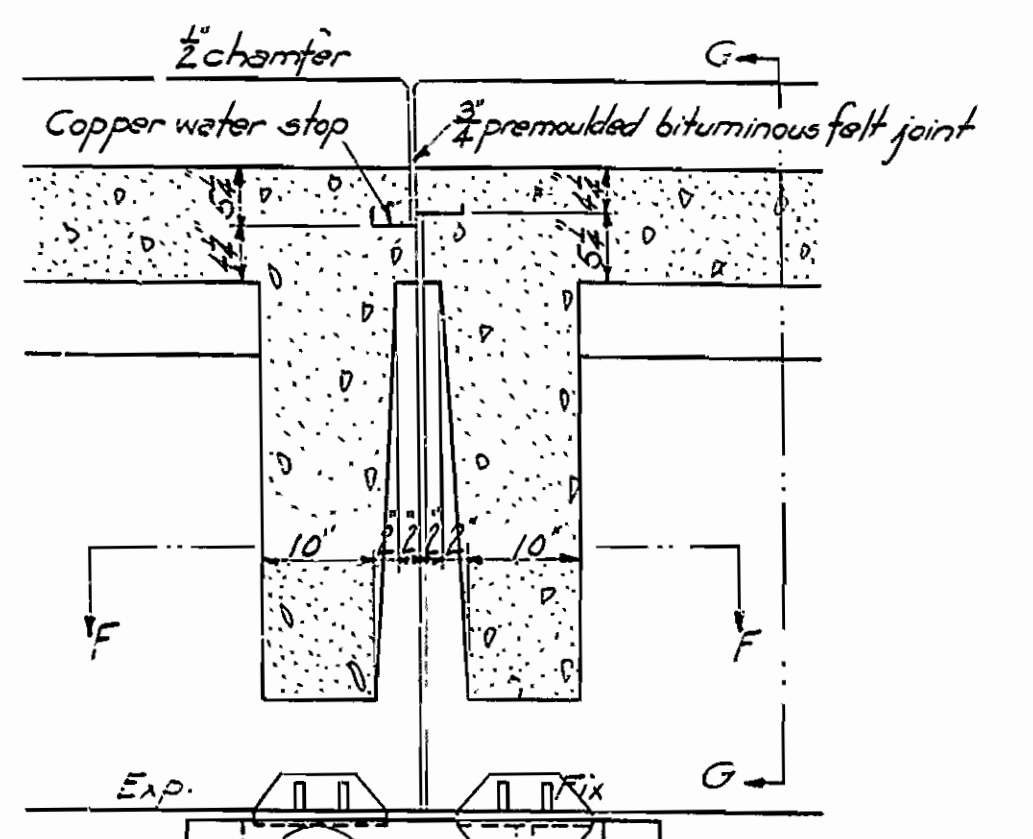
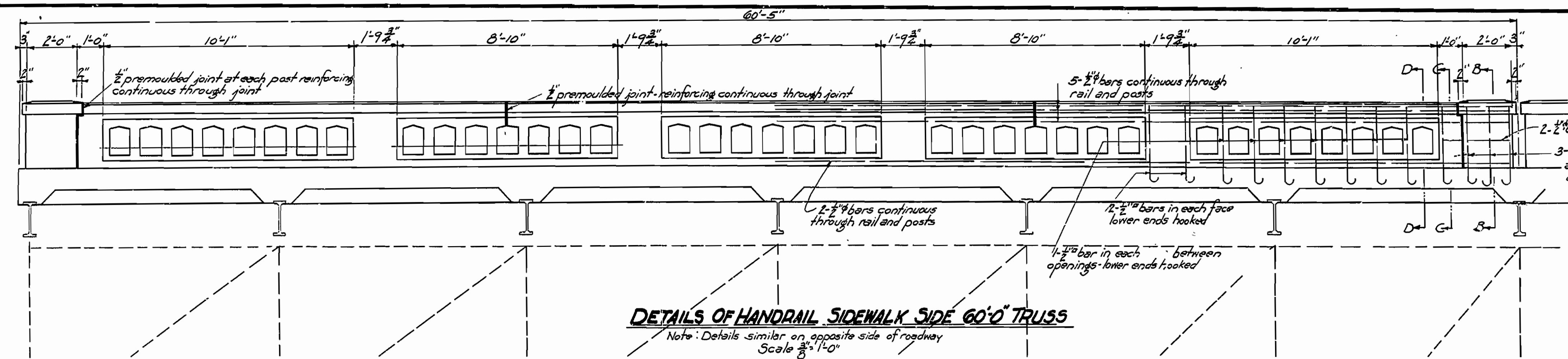


**DETAIL OF COPPER WATER STOP**  
Scale 3/4" = 1'-0"

**DETAILS OF 45'-6" R.C.D. GIRDER - 2 GIRDER TYPE 20'-0" CLEAR RDWY. 4'-0" CL. SIDE WALK FOR BRIDGE OVER LITTLE RED RIVER AT CLINTON VAN BUREN COUNTY ROUTE 65 SEC. 8 ARKANSAS STATE HIGHWAY COMMISSION LITTLE ROCK, ARK.**  
 Drawn By: [Signature] Date: 4-11-31  
 Traced By: [Signature] Date: 4-17-31  
 Checked By: [Signature] Date: 4-26-31  
 BRIDGE NO. 1486 DRAWING NO. 3174

See End Bent #1 for details of this end.

FISCAL YEAR	Job No	SHEET TOTAL SHEETS
1930	3153	12 22



**DETAILS OF STEEL TRUSS SPAN HANDRAIL AND MISCELLANEOUS 45'6" R.C.D. SPAN DETAILS FOR BRIDGE OVER SOUTH FORK OF LITTLE RED RIVER AT CLINTON - VAN BUREN CO ROUTE 65 SEC. 8**

**ARKANSAS STATE HIGHWAY COMMISSION**  
 LITTLE ROCK, ARK.  
 Drawn By: N.B. Ganser Date: 4-16-31  
 Traced By: E.C.G. Date: 4-17-31  
 Checked By: E.C.G. Date: 4-22-31  
 BRIDGE NO. 1406  
 Scale: 1/4" = 1' (25' noted)  
 DRAWING NO. 3175

*N.B. Ganser*  
 BRIDGE ENGINEER