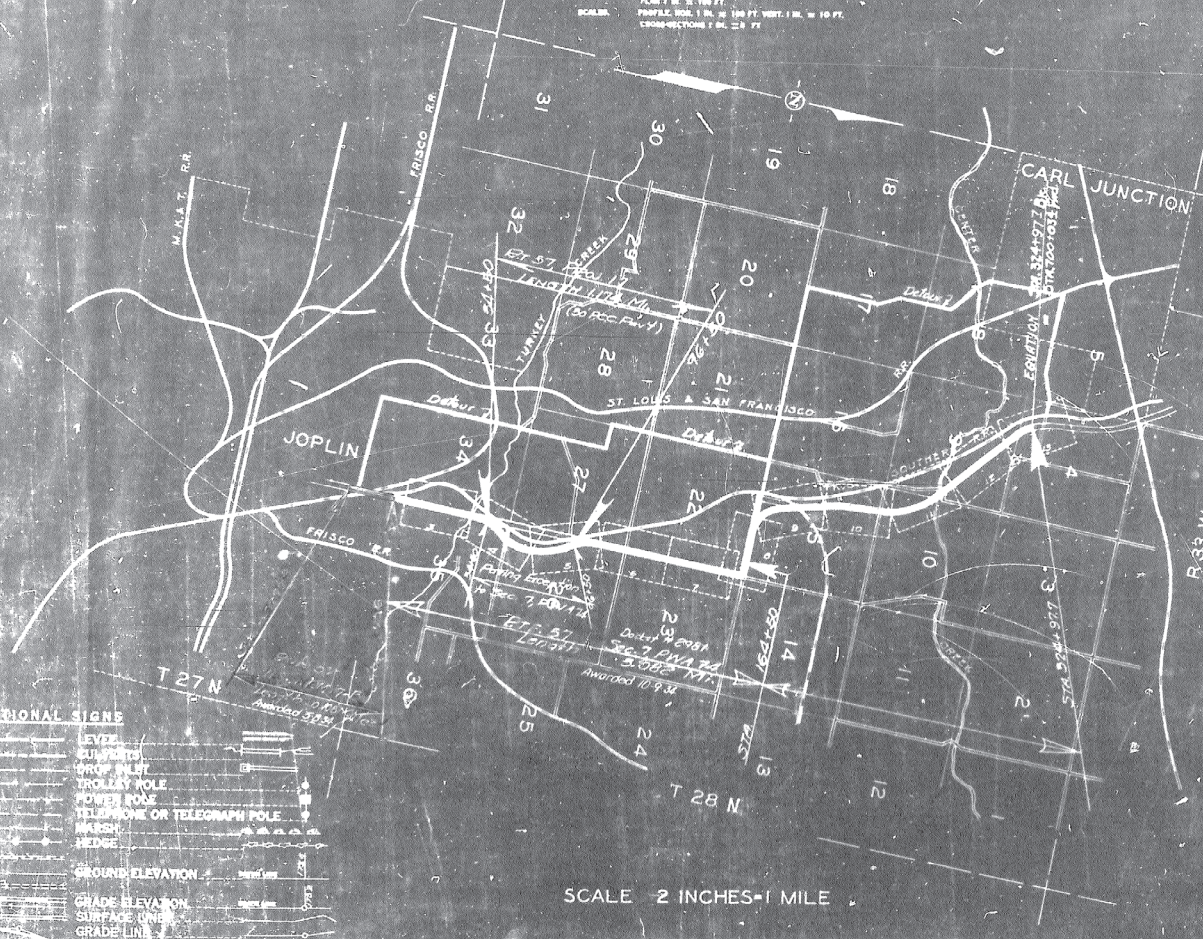


D-6-74

JASPER COUNTY

PLAN 1 IN. = 100 FT.
 PROFILE HOR. 1 IN. = 100 FT. VERT. 1 IN. = 10 FT.
 CROSS-SECTION 1 IN. = 10 FT.



SCALE 2 INCHES=1 MILE

WITNESS PLANS

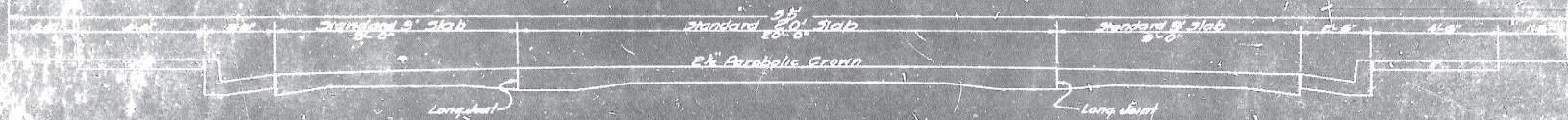
SUBMITTED

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1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

Figure 1

[illegible]

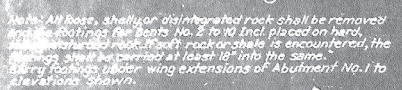


TYPICAL SECTION

Notes:
 For details of slab and slab reinforcement
 see special sheets T.S. 20-A, T.S. 20-36 and
 T.S. 20-37.
 Warp curb and gutter to meet bridge.
 Warp section to meet pavement in place.
 Standard curb and gutter Rt. & Lt.
 Transverse joints in curb and gutter to be
 spaced adjacent to joints in R.C.C. Pavement

JASPER COUNTY
 RT. 57 PROJECT

THE FORD FORD 5-11-68	WEST	FOR AD PROG. 10	PROG. 1 1968	PROG. 1 1968	PROG. 1 1968
1	100	100	100	100	100



Note: Structure provides a minimum vertical clearance of 22'-9" based on elevations of existing tracks.



Concrete in handrails to be 1:2:3 Mix, Class "A" Concrete in Slabs, curbs, and girders to be 1:2:3 Mix, Class "X". All other concrete to be 1:2:4 Mix, Class "B".

All concrete shall be proportioned by the weight proportioning method. See Special Provisions.

Exposed edges to be finished with a smooth finish. No 1/2" to be noted.

Back girth courses shall be constructed with full width of concrete in one operation.

No construction joints permitted except as noted under sidewalk slabs and curbs.

Where rubber compound is specified on plans for use in partition and expansion joints, the preplanned joint shall be securely stitched to one face of concrete with copper wire.

Two name plate type "A" as shown on Std. S318 R to be furnished and placed by contractor. Cost of name plates to be included in price bid for other items.

Reinforcing steel courses will be required for reinforcing steel in superstructure.

See Std. S318 and Special Provisions.

Old surfaces to receive new concrete are to be roughened by bush-hammering and then pointed with cement wash just before placing concrete.

When concrete is to be brought to new lines the old concrete shall be removed a sufficient distance back to break lines.

Holes to be drilled into old concrete, filled with cement mortar grout, and dove's bars driven into grout. Doves to be placed not nearer than 6" from edge of old concrete.

Bridge Invention in accordance with Section I of Standard Specifications issued April 1, 1930.

Note: Bridge excavation above Elev. 936.0 will be paid for as Class 1 Bridge Excavation.
Bridge excavation below Elev. 936.0 will be paid for as Class 2 Bridge Excavation.
Excavation required to place superstructure, allowing excavation to Elev. 939.5 and to 4'-0" outside of curb lines, will be paid for at unit price bid for roadway excavation.

Designed Feb. 1934 By F.C.L.
Drawn Mar. 1934 By F.C.L.
Traced Apr. 1934 By R.J.G.-G.A.F.
Checked May 1934 By RAB.

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 1 of 10

B.M. Elev 950.33 "X" on Top N. Guard Rail Post W. Side Viaduct
14' Lt. Sta. 5+98.5.

BRIDGE OVER K.C. SOUTHERN R.R.,
M. K. & T. R.R. AND JOPLIN CREEK
STATE ROAD FROM JOPLIN TO KANSAS STATE LINE
ABOUT 0.5 MILE NORTH OF JOPLIN
PROJECT NO. NRM17B (R57) STA. - (1+96.55)

JASPER COUNTY

SUBMITTED BY *M. R. Day* DATE *5/22/34*
 APPROVED BY *T. H. Cutler* DATE *5/22/34*

STD, S-918R

STD.C-110P

K-415

[illegible]

FINAL IN AID

Drawn Mar. 1934 By R.J.G.
Traced Mar. 1934 By R.J.G.
Checked May 1934 By RAB

Sheet No. 2 of 104

K-41

MISSOURI STATE HIGHWAY DEPARTMENT

26.31

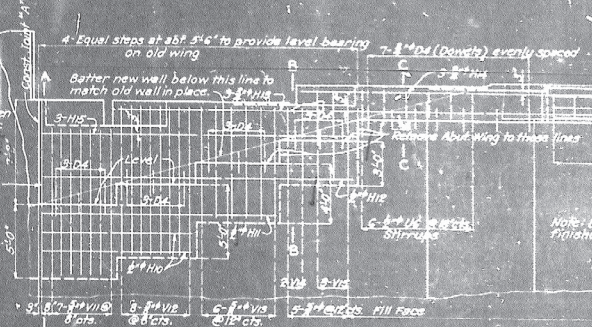
FINAL PLANS

978.79

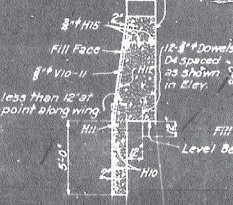
Note: For details of wing beyond const. joint see Sheet No. 4.

Note: No part of superstructure to extend below top of Brg. Plates except as shown.

PART PLAN SHOWING LOCATION OF RUBBER COMPOUND



PART ELEVATION STREAM FACE ABUT. NO. 1 DEVELOPED



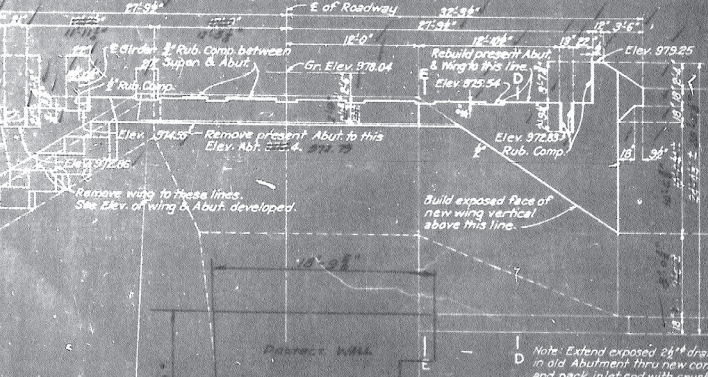
SECTION A-A

SECTION B-B

SECTION C-C

PART PLAN AT GIRDER NO. 7

PART PLAN



PART ELEVATION OF ABUTMENT NO. 1 - STREAM FACE

END ELEVATION

SECTION D-D

SECTION E-E

SECTION F-F

ELEVATION LEFT WING
BRIDGE OVER K.C. SOUTHERN R.R.
M. K. & T. R.R. AND JOPLIN CREEK
STATE ROAD FROM JOPLIN TO KANSAS STATE LINE
ABOUT 0.5 MILE NORTH OF JOPLIN
PROJECT NO. NRM 178 (R67) STA. 4+96.35
JASPER COUNTY

DETAILS OF ABUTMENT NO. 1

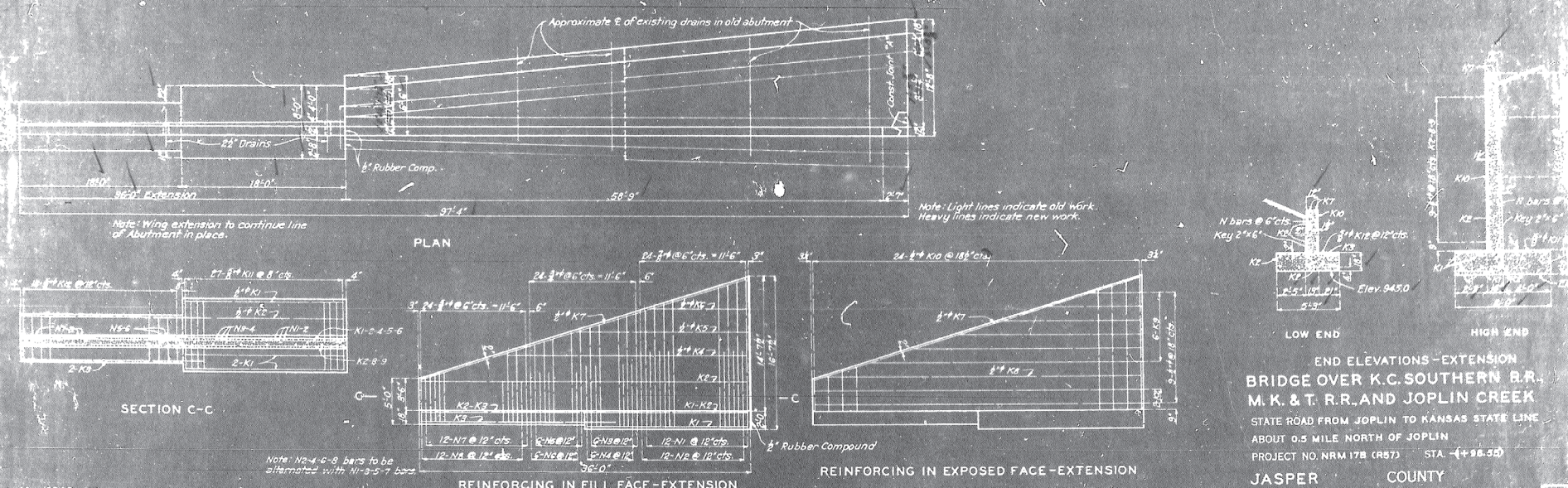
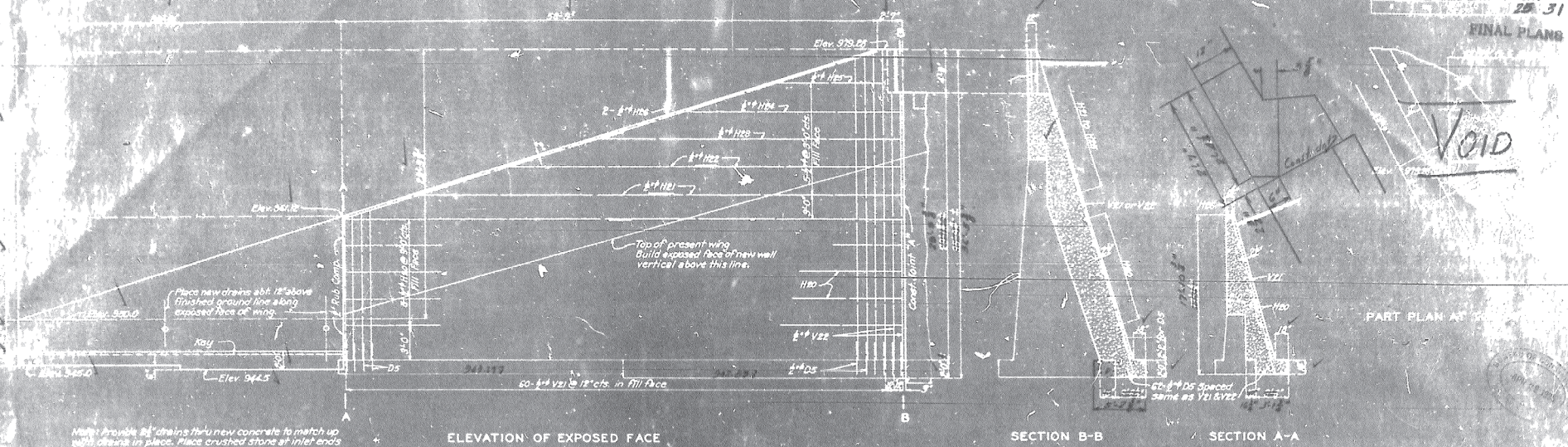
Note: Light lines indicate work in place.
Heavy lines indicate new work.

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 3 of 10.

Drawn Nov. 1936 by E.C.L.
Checked Mar. 1937 by R.J.G.
Checked May 1937 by R.A.B.

25 31
FINAL PLANS



END ELEVATIONS - EXTENSION
BRIDGE OVER K.C. SOUTHERN R.R.;
M.K. & T. R.R. AND JOPLIN CREEK
STATE ROAD FROM JOPLIN TO KANSAS STATE LINE
ABOUT 0.5 MILE NORTH OF JOPLIN
PROJECT NO. NRM 178 (R57) STA. 1+96.55)
JASPER COUNTY

Brown Mar. 1934 By F.C.L.
 Tinned Mar. 1934 By R.J.G.
 Eaten May 1934 By PAB.

Note: This drawing is not to scale. Follow dimensions.

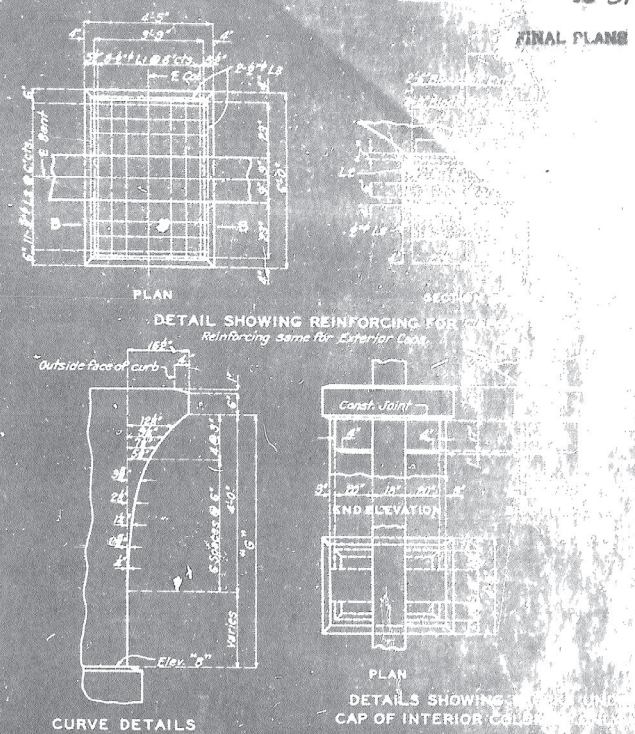
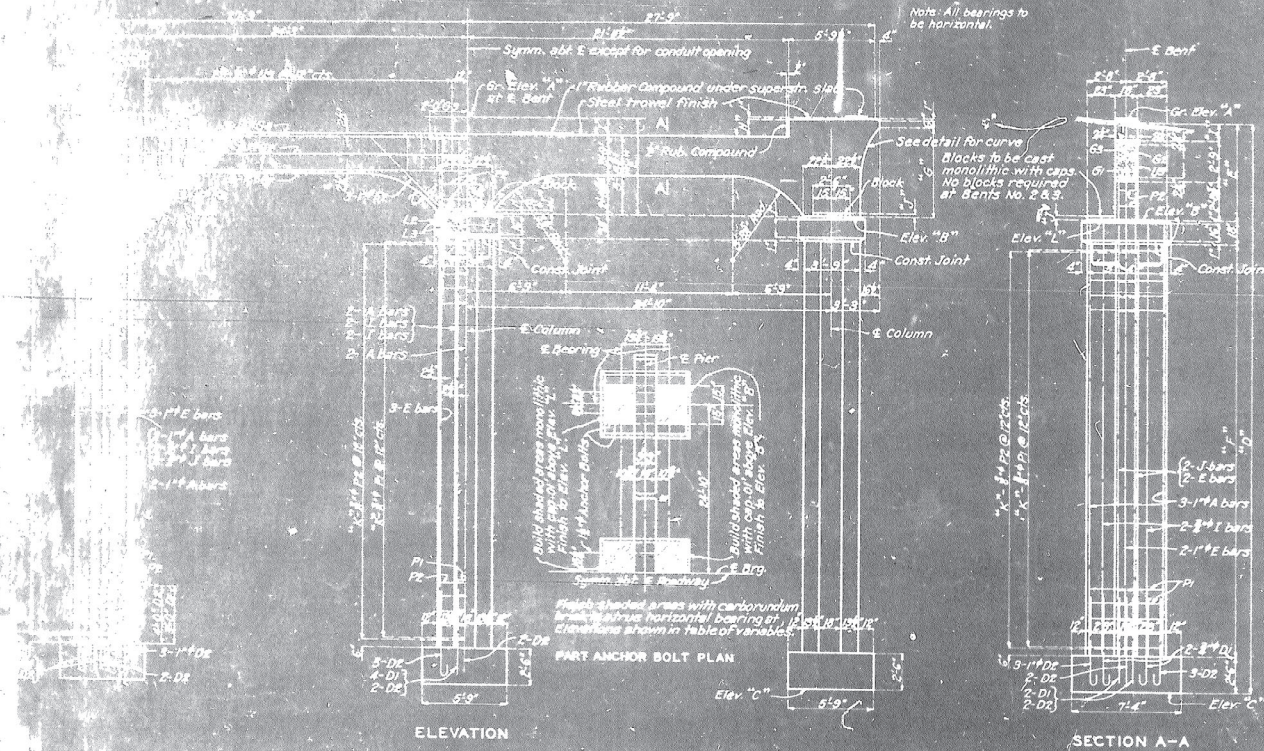
Sheet No. 4 of 10.

FA

MISSOURI STATE HIGHWAY DEPARTMENT

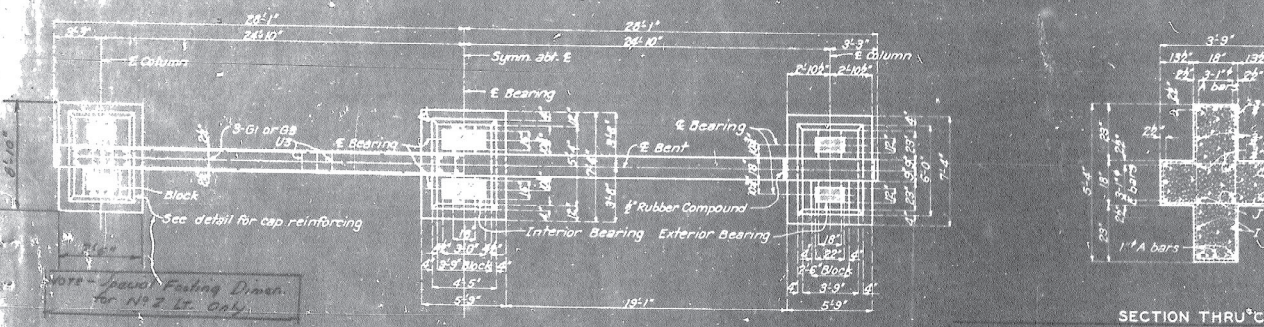
26 31

FINAL PLANS

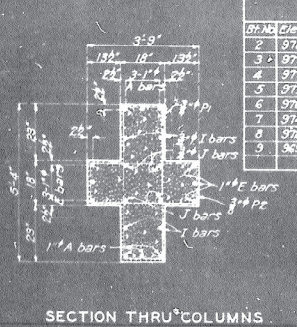


VARIABLES FOR INTERMEDIATE BENTS

Bent	Elev. A	Elev. B	Elev. C	Elev. D	Elev. E	Elev. F	Elev. G	Elev. H	Elev. I	Elev. J	Elev. K	Elev. L	Elev. M	Elev. N	Elev. O	Elev. P	Elev. Q	Elev. R	Elev. S	Elev. T	Elev. U	Elev. V	Elev. W	Elev. X	Elev. Y	Elev. Z
2	978.01	971.42	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0
3	977.97	971.38	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0
4	977.83	971.22	940.0	940.0	940.0	940.0	940.0	940.0	940.0	940.0	940.0	940.0	940.0	940.0	940.0	940.0	940.0	940.0	940.0	940.0	940.0	940.0	940.0	940.0	940.0	940.0
5	977.19	970.54	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0	938.0
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7	974.83	967.14	936.0	936.0	936.0	936.0	936.0	936.0	936.0	936.0	936.0	936.0	936.0	936.0	936.0	936.0	936.0	936.0	936.0	936.0	936.0	936.0	936.0	936.0	936.0	936.0
8	972.01	965.26	935.0	935.0	935.0	935.0	935.0	935.0	935.0	935.0	935.0	935.0	935.0	935.0	935.0	935.0	935.0	935.0	935.0	935.0	935.0	935.0	935.0	935.0	935.0	935.0
9	969.48	962.69	934.0	934.0	934.0	934.0	934.0	934.0	934.0	934.0	934.0	934.0	934.0	934.0	934.0	934.0	934.0	934.0	934.0	934.0	934.0	934.0	934.0	934.0	934.0	934.0



DETAILS OF BENTS NO. 2, 3, 4, 5, 6, 7, 8, & 9



Constructed on bent plans, except at 'E' bents. 'D' and 'F' and special footing No. 2 & 9.

BRIDGE OVER K.G. SOUTHERN R.R.,
M. K. & T. R.R. AND JOPLIN CREEK
STATE ROAD FROM JOPLIN TO KANSAS STATE LINE
ABOUT 0.5 MILE NORTH OF JOPLIN
PROJECT NO. NRM 170 CR 57 STA. 1+98.55
JASPER COUNTY

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 3 of 10.

F.A.

Drawn Mar. 1934 by F.C.
Checked Mar. 1934 by R.L.G.
Approved May, 1934 by R.D.

FED. ROAD DIST. NO.	STATE	FED. AID FUND NO.	DATE
1	MD	27	31

PART SECTION B-B
Note: For details, see above.



Constructed or per plant
except as noted

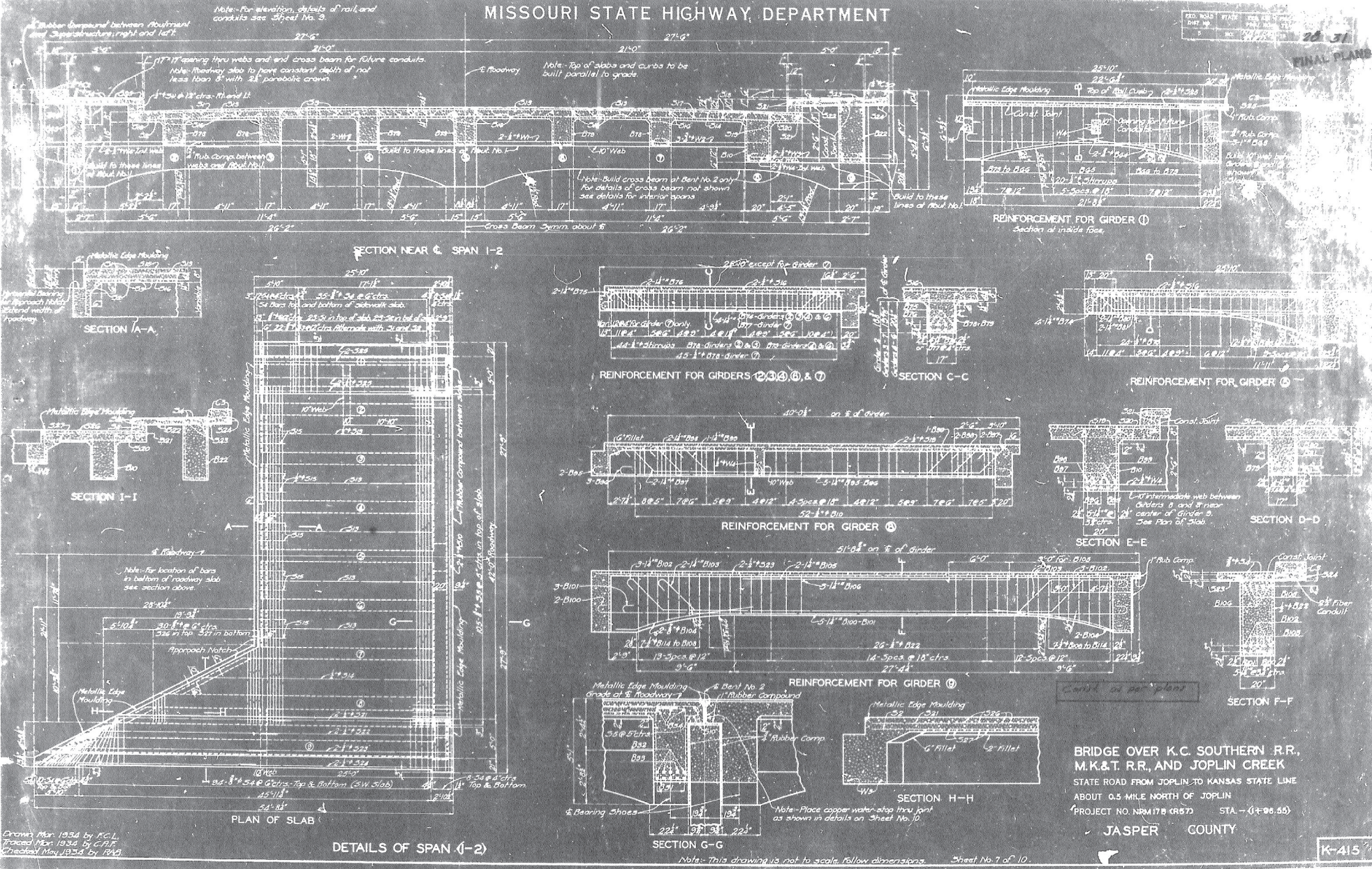
BRIDGE OVER K.C. SOUTHERN R.R.
M. K. & T. R.R. AND JOPLIN CREEK
STATE ROAD FROM JOPLIN TO KANSAS STATE LINE
ABOUT 0.5 MILE NORTH OF JOPLIN
PROJECT NO. NRM 17B (R57) STA. - (1+66.35)
JASPER COUNTY

K-415

MISSOURI STATE HIGHWAY DEPARTMENT

28 31
28 31

FINAL PLANS



Drawn Mar 1934 by F.C.L.
Traced Mar 1934 by C.F.F.
Checked May 1934 by J.A.B.

BRIDGE OVER K.C. SOUTHERN R.R.,
M.K.&T. R.R., AND JOPLIN CREEK
STATE ROAD FROM JOPLIN TO KANSAS STATE LINE
ABOUT 0.5 MILE NORTH OF JOPLIN
PROJECT NO. NRM 17-B (R57) STA. - (1+06.55)
JASPER COUNTY

K-415

MISSOURI STATE HIGHWAY DEPARTMENT

29 31

FINAL PLANS

Note: For details of concrete and steel joints between slabs, see Sheet No. 10.

SECTION A-A

PART B-B

GIRDERS ②-③-④

SECTION D-D

BRIDGE OVER K.C. SOUTHERN R.R.,
M. K. & T. R.R. AND JOPLIN CREEK
STATE ROAD FROM JOPLIN TO KANSAS STATE LINE
ABOUT 0.5 MILE NORTH OF JOPLIN
PROJECT NO. NRM (75) (R57) STA. - (1+00.55)
JASPER COUNTY

Sheet No. 8 of 18

Note: Provide 17x17 opening as shown.

Note: Roadway slab to have constant depth of not less than 8" with 1/2" parabolic crown. For elevation and details of rail see Sheet No. 9. Top of slabs and curbs to be built parallel to grade.

Symm. abt. E. Rwyg. except for webs and openings for conduits.

SECTION NEAR BENT

SECTION NEAR MID-SPAN

REINFORCEMENT FOR END CROSS BEAMS

GIRDER REINFORCEMENT

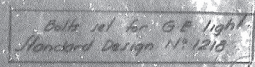
GIRDER REINFORCEMENT ①

DETAILS OF SPANS (2-3) TO (8-9) INCLUSIVE

Note: This drawing is north scale. Follow dimensions.

Drawn Feb. 1934 by E.C.L.
Checked Feb. 1934 by R.C.P.
Revised May 1934 by J.W.S.

DATE	TIME	BY
10/10/81	10:30	30 31

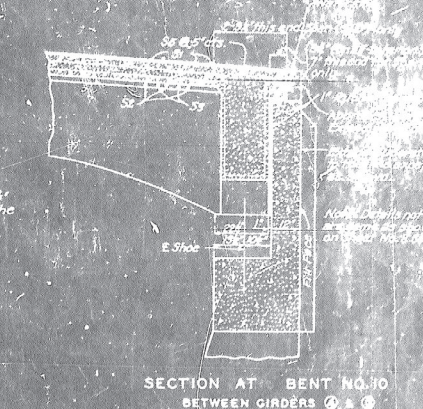
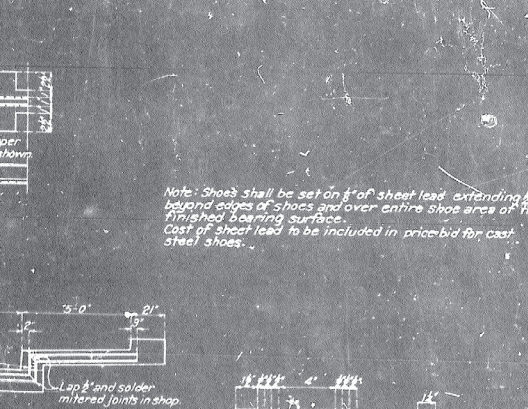
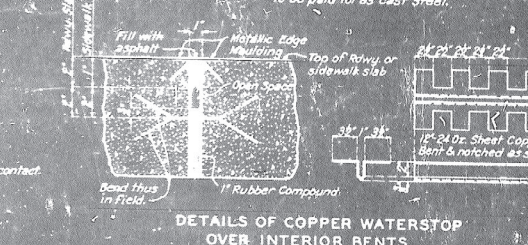


LOCATION OF LIGHTS ON BRIDGE:-
Provide risers for lights at all 8 end posts, Abutment,
Nail and Bent No. 1.
Provide risers for lights on both sides of Interior Bents
Nail and Bent No. 2. Provide expansion sleeves over all interior
bents both sides. Omit risers and pull boxes where
no lights are desired.
Leave 1-No. 9 AWG Galvanized wire in each conduit.
Light standards and other wiring to be furnished and
placed by city of Jaipur.

Sheet No. 9 of 10

Dismissed Mar 1934 by FGL
 Faced Mar 1934 by C.A.F.
 Checked May 1934 by PAB

313
FINAL PLAN



(8'x12'), 5 Sets (8'x17') and 2 Sets (8'x20') of 2 Pl. required. Each set consisting of 1 top plate and 1 bot

OR BRONZE BEARING PLATES

Note: Cost of copper waterstops to be included in unit bid price for concrete.

2'0"

E Roadway

Tin for 1" Field soldered joints

Note: Cost of copper water stop to be included in price

bid for class "X" concrete.



(Faint, illegible markings)

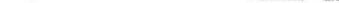
Note: Cost of metallic edge moulding will be included in unit bid price for concrete.

METALLIC EDGE Moulding

METALLIC EDGE MOLDING

Sheet No. 10 of 10

100



BRIDGE OVER K.C. SOUTHERN R.R.
M. K. & T. R.R. AND IOBLIN CREEK

STATE ROAD FROM JOPLIN TO KANSAS STATE LINE

ABOUT 0.5 MILE NORTH OF JOPLIN
PROJECT NO. NM 17B (CR7D) STA - (1 + 95.50)

JASPER COUNTY

6-4

FA

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FRONT VIEW

SECTION 90° to ϕ

SECTION A-A

C.I. GRATE PLAN OF C.I. CURB
INLET & GRATE

SECTION THRU INLET
WITH CIRCULAR INLET IN
Front of

SECTION THRU INLET BOX
WITH CURB INLET IN PLACE
90° to E

SECTION A-A

DETAILS OF DROP INLET
ROUTE 57 PROJECT AREA
JASPER COUNTY
scale 1"=1'