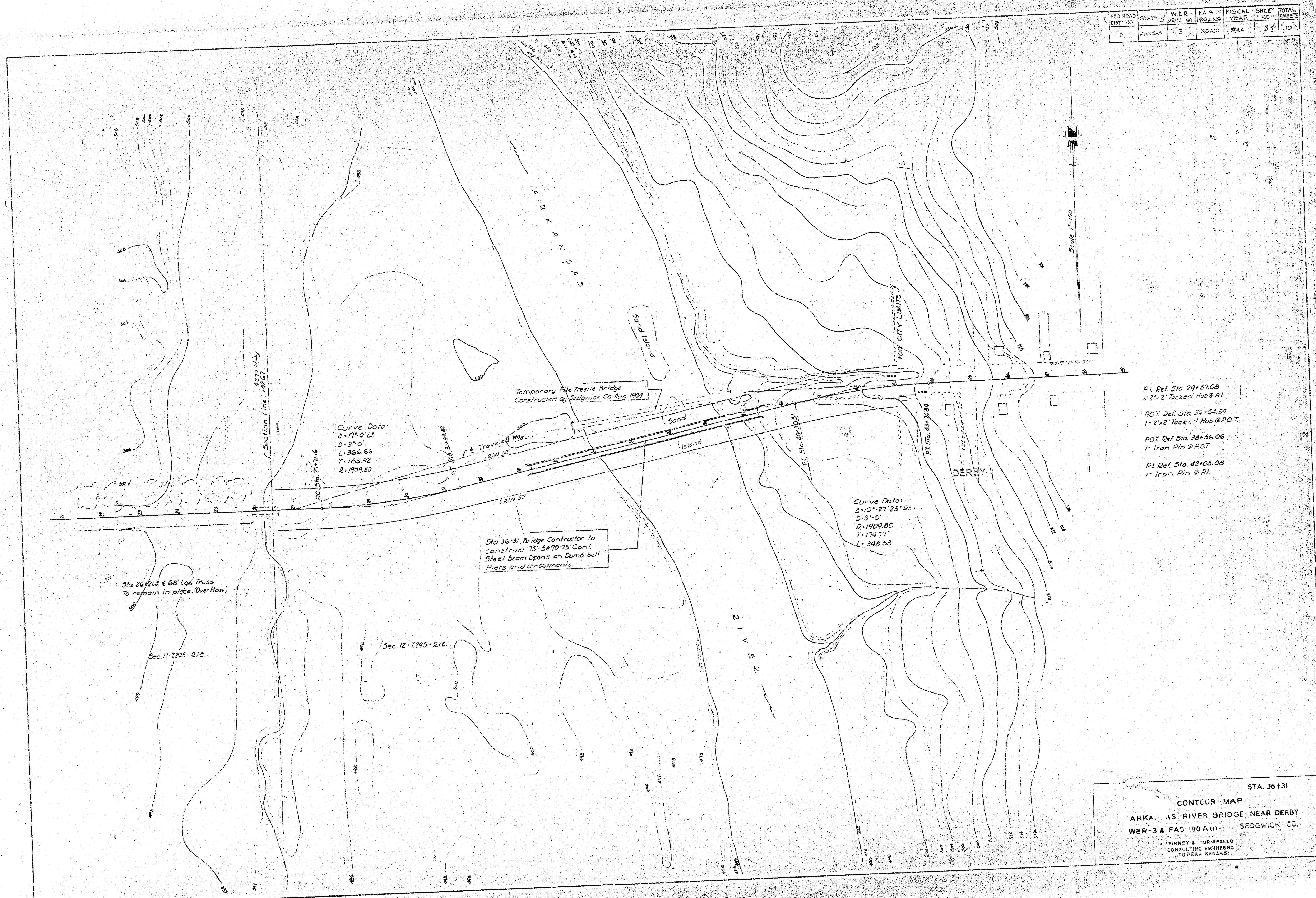


FED ROAD DIST NO	STATE	W.E.R. PROJ NO	F.A.S. PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEET
5	KANSAS	3	190411	1944	31	10



Pt. Ref. Sta. 29+57.08
1-2'x2' Tacked Hub @ R.I.

P.O.T. Ref. Sta. 34+64.59
1-2'x2' Tack: + Hub @ P.O.T.

P.O.T. Ref. Sta. 38+56.06
1- Iron Pin @ P.O.T.

P.I. Ref. Sta. 42+05.08
1- Iron Pin @ R.I.

Sec 11-1205-215

176.
 1. Gen Conc. Slab. Shog
 2. Equating steel steps 255 4 11/16
 Eq. 12 x 07
 177.

Side 200d

$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

Note: USED TBM IS RR Spk in N side
Same pole = 134 Elev 1248.154 } 145.45
B.M. #1 - Spk 3' top in H.L. 2. }
2nd Sta 0-30 Elev 504.70 } Note: This pole
has been replaced

Note: Berlese Ramen
B.M.*3 * on S.E. Wingwall of O'flow Br.
Jto 26*55.5 Elev 499.65'

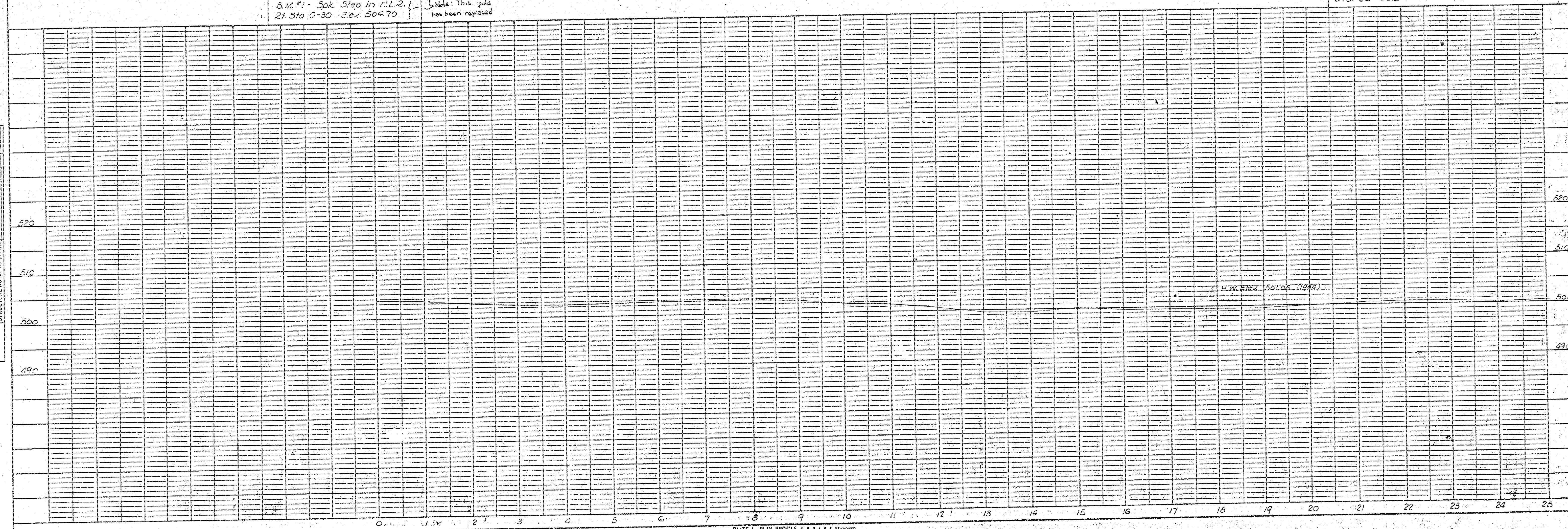
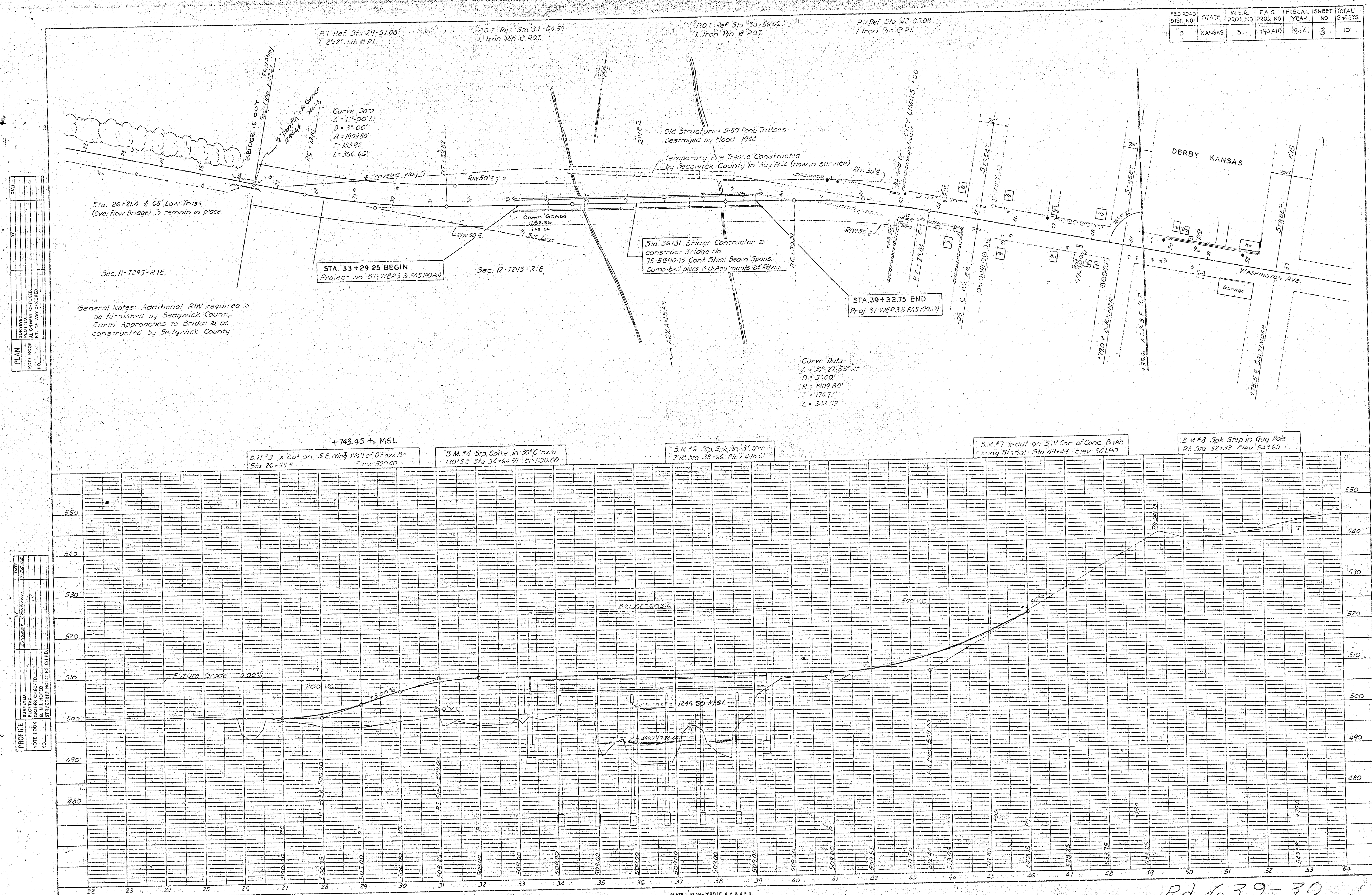
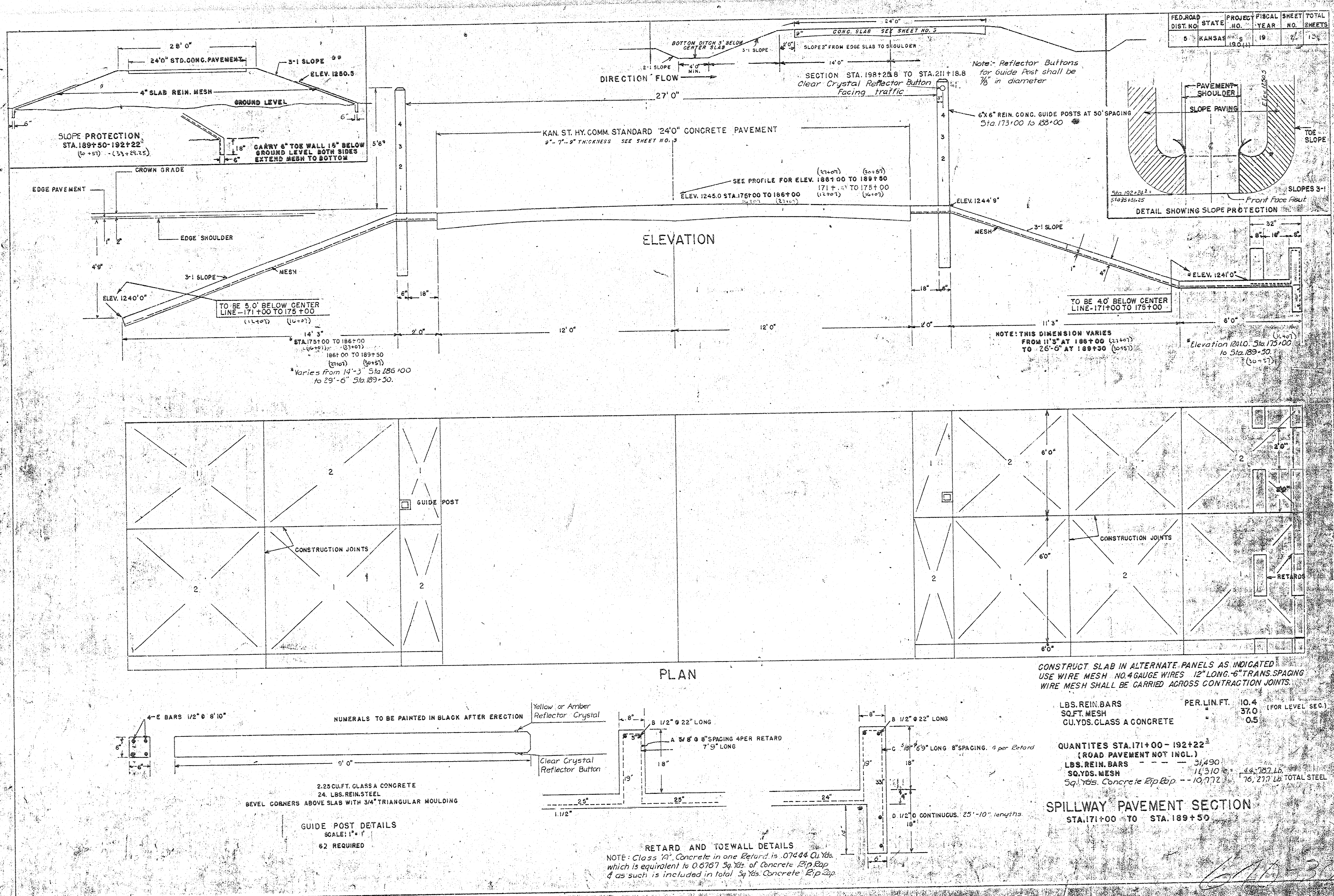
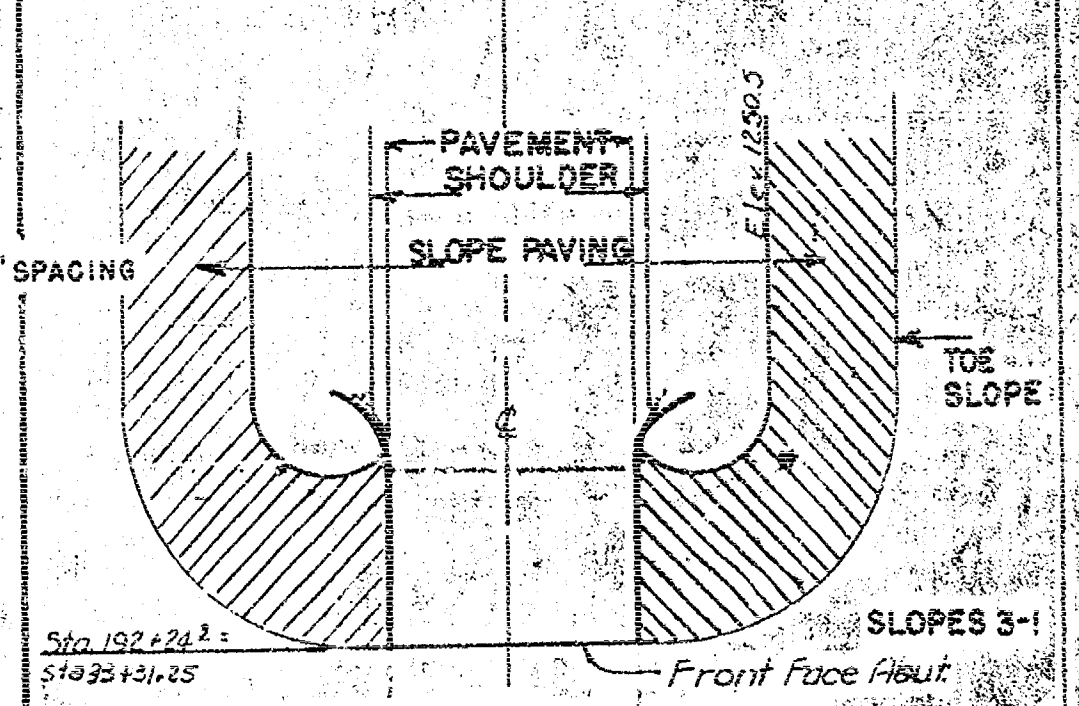


PLATE 1-PLAN-PROFILE C. P. R. & R. E. STANDARD
BENTLEY & BENTLEY CO. NEW YORK





FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	KANSAS	190	19	1	10



CONSTRUCT SLAB IN ALTERNATE PANELS AS INDICATED
USE WIRE MESH NO. 4 GAUGE WIRES 12" LONG, 6" TRANS. SPACING
WIRE MESH SHALL BE CARRIED ACROSS CONTRACTION JOINTS.

LBS. REIN. BARS	PER LIN. FT.	10.4
SQ. YDS. MESH		37.0
CU. YDS. CLASS A CONCRETE		0.5

QUANTITIES STA. 171+00 - 192+22³
(ROAD PAVEMENT NOT INCL.)
LBS. REIN. BARS - - - 51,490
SQ. YDS. MESH - - - 11,510
Cu. Yds. Concrete R.P. & P. - - 10,172
16,217 LB. TOTAL STEEL

SPILLWAY PAVEMENT SECTION
STA. 171+00 TO STA. 189+50

RETARD AND TOEWALL DETAILS
NOTE: Class A Concrete in one Retard is 0.0744 Cu. Yds.
which is equivalent to 0.0767 Sq. Yds. of Concrete R.P. & P.
4 as such is included in total Sq. Yds. Concrete R.P. & P.

[illegible]

GENERAL NOTES

DESIGN: A.A.S.H.O. Specs as 1941. H-15 Loading.
Structural Steel 180000 lbs. per-sq.in.
Reinforcing Steel 20000 lbs. per-sq.in.
Concrete 12000 lbs. per-sq.in.

EXCAVATION: Elev. 414.00 shall designate the excavation below the plane, Class I above the plane, Class II below See "Bridge Excavation" sheet for limits of pay excavation.

REINFORCING STEEL: All reinforcing steel shall be billet steel of intermediate grade.

TIMBER PILES: All untreated timber test piles shall be driven at the locations shown on the plans or as directed by the Engineer. Test piles shall be cut off two feet below the pile cap to encourage the option of the CO.

UNTREATED TIMBER PILES: All piles shall be driven minimum computed bearing value of _____ per pile. All piling shall be driven to a point in the sole into the position of the such penetration cannot be secured with injury to the pile.

SOUNDINGS: The soundings shown on these plans are from notes obtained in the field and are the best information available for design purposes.

TEMPORARY STRUCTURE: The existing temporary shall be removed by Sedgwick County at completion of new bridge.

REINFORCING STEEL: All reinforcing steel shall be billet steel, intermediate grade.

TEST PILES: Two untreated timber test piles shall be driven at the locations shown on the plans or as directed by the Engineer. Test piles shall be cut off two feet below ground level or removed at the option of the Contractor.

UNTREATED TIMBER PILES: All piles shall be driven to a minimum computed bearing value of 13 tons per pile. All piling shall be driven to a penetration into shale unless in the opinion of the Engineer such penetration cannot be secured without injury to the pile.

SOUNDINGS: The soundings shown on these plans are taken from notes obtained in the field and represents the best information available to Sedgwick County.

TEMPORARY STRUCTURE: The existing temporary structure shall be removed by Sedgwick County after completion of new bridge.

NOTE: All piling for Temporary Bridge driven to refusal at approximately Elevation 473.00. Test Pile refused at Elevation 473.00.

Test Piles	395	1732	1016.7	141810	545270	8920	1440	78
TOTALS								

PLAN

U.S.A.S. RIVER

Drainage Area: 21800 sq. mi.
Waterway Road: 50 ft.
Talbot (c): 2400 sq. ft.
Waterway Furnished: 2400 sq. ft.
Discharge (1944 Flood): 17000 sec. ft. (Div. Water Resources)

Drainage Area	21800 sq mi
Waterway Regd:	
Talbot (c)	sq ft
Waterway Furnished	4400 sq ft
Discharge (1944 Flood)	27000 sec. ft. (Div. Water Resources)

STA. 36+31
CONSTRUCTION LAYOUT
ARKANSAS RIVER BRIDGE NEAR DERBY
WER-3 & FAS-190 A (1) SEDGWICK CO.
FINNEY & TURNIPSEED
CONSULTING ENGINEERS
TOPEKA, KANSAS