

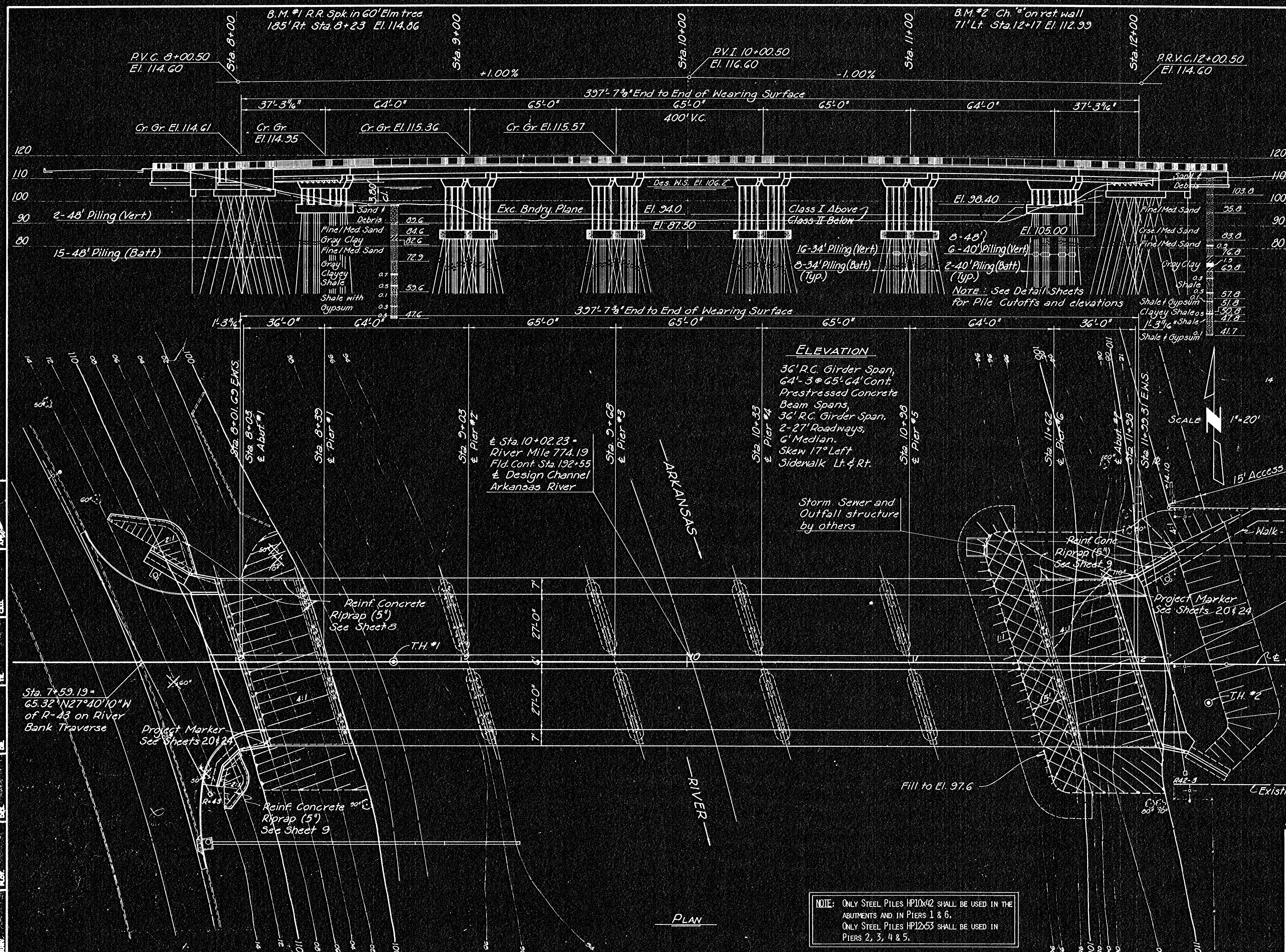
FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 ER-164(1)	1974	10	28

DAK 574005

DRAINAGE DATA
River Mile = 774.19

Big Arkansas River design discharge = 25,500 cfs (Corps of Engineers)
Waterway provided below design water surface 4,783 Sq. Ft.

GEOLOGICAL DATA:
LEGEND:
Penetration
50 Blows = 1.0'
(140 lb. hammer
30 in. drop)



ELEVATION

36' R.C. Girder Span,
64'-3" 65'-64' Cont.
Prestressed Concrete
Beam Spans,
36' R.C. Girder Span,
2-27' Roadways,
6' Median,
Skew 17° Left
Sidewalk Lt. & Rt.

Storm Sewer and
Outfall structure
by others

NOTE: ONLY STEEL PILES HP10x42 SHALL BE USED IN THE
ABUTMENTS AND IN PIERS 1 & 6.
ONLY STEEL PILES HP12x53 SHALL BE USED IN
PIERS 2, 3, 4 & 5.

Rev. 12/17/74

CITY OF WICHITA, KANSAS
R.W. LINN, P.E., CITY ENGINEER

FIRST STREET BRIDGE OVER
THE ARKANSAS RIVER

CONSTRUCTION LAYOUT

DELAMATER, FREUND & SCHERER, P.A.
CONSULTING ENGINEERS
WICHITA, KANSAS

SCALE 1"=20' DATE June, 1974 SHEET NO. 89-9-10