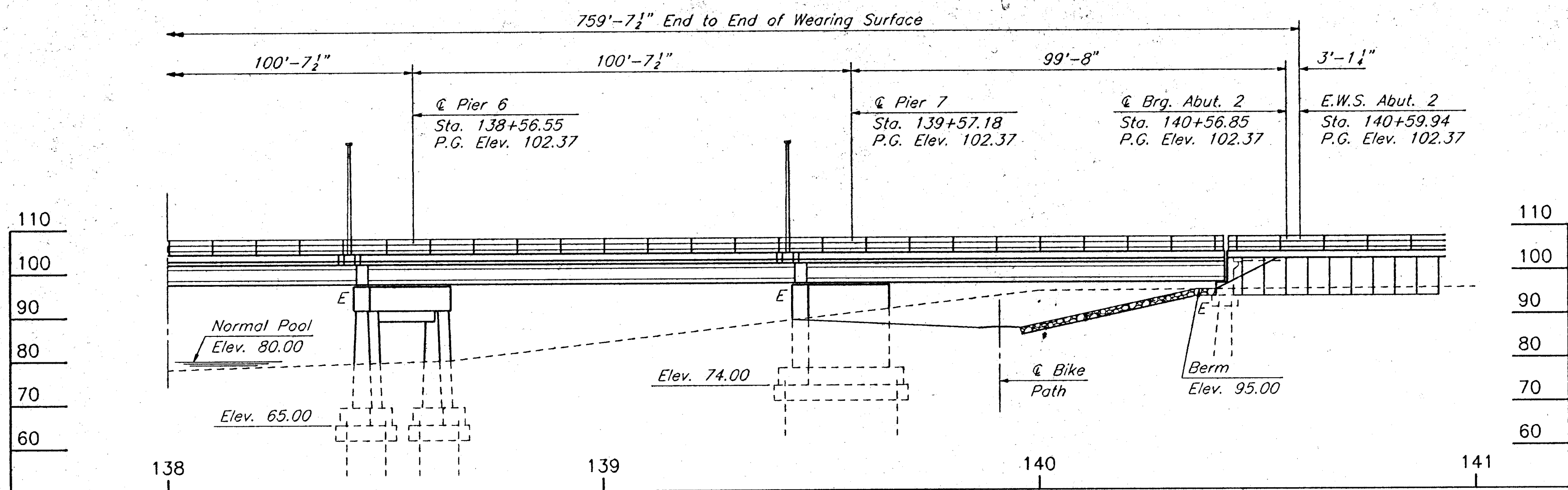


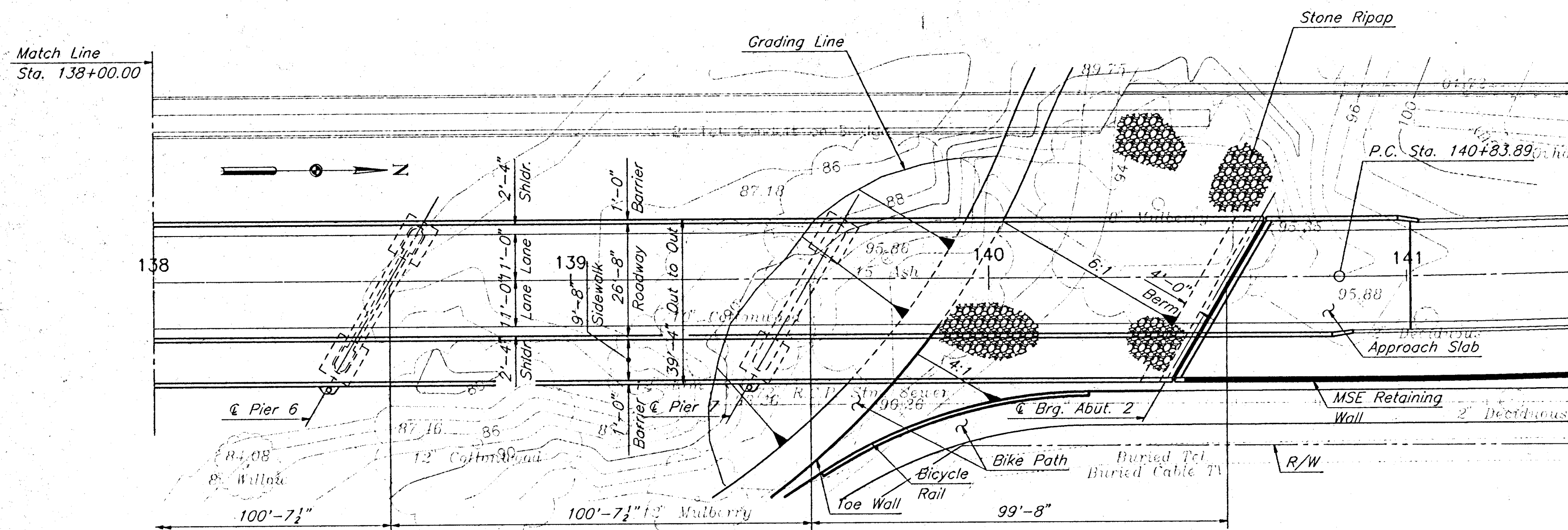
FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS		1993	28	35



ELEVATION

Scale: 1"=20'

50'; 100'-7 1/2"; 100'-7 1/2"; 100'-7 1/2"; 100'-7 1/2"; 100'-7 1/2";
 100'-7 1/2"; 99'-8"; Prestressed Concrete Beam Spans
 Pile Bent Abutments, Pedestal Type Piers
 26'-8" Roadway; 9'-8" Sidewalk, 30° 31' 00.0" Skew Rt.



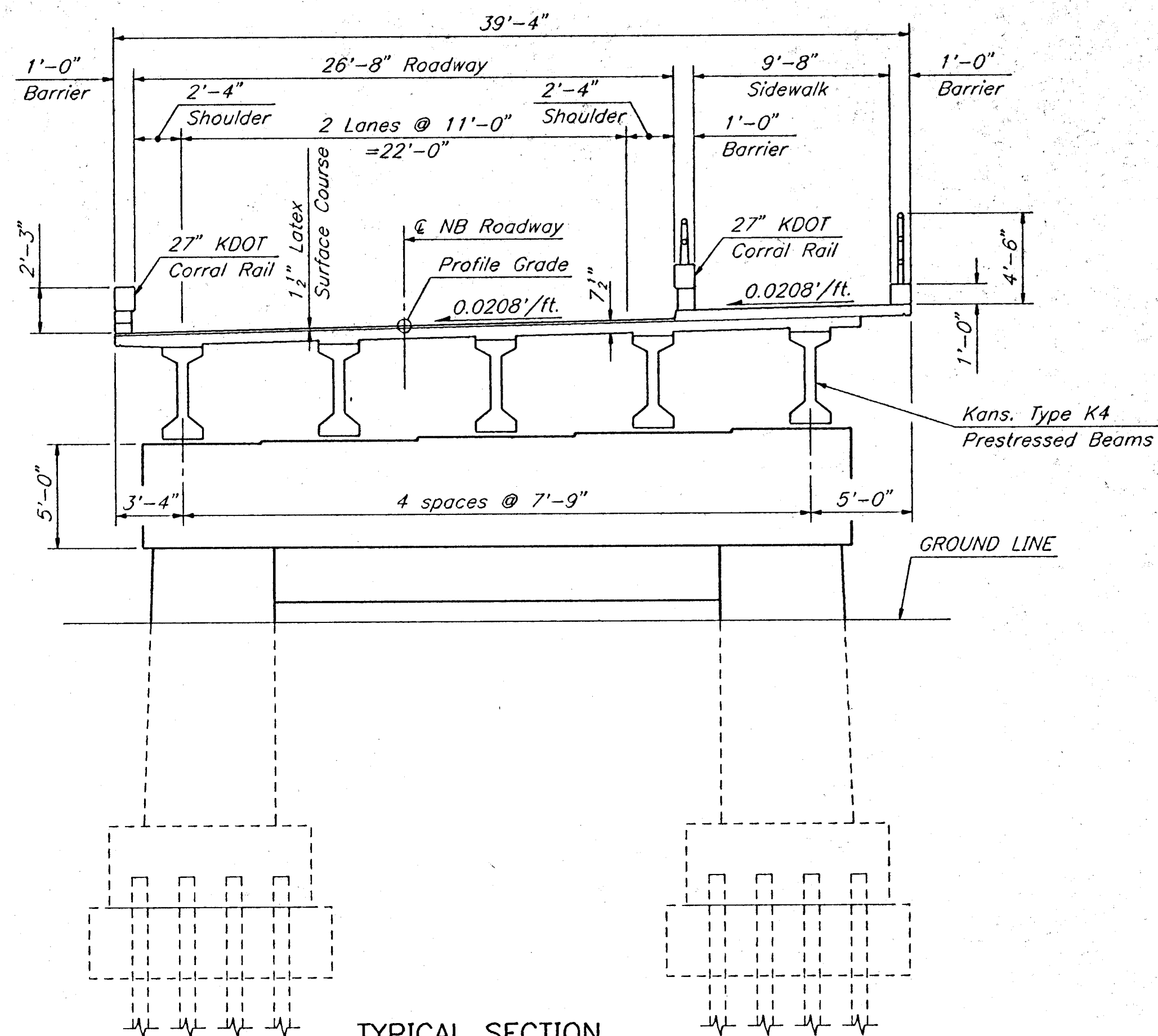
PLAN

Scale: 1"=20'

CURVE DATA NB BROADWAY

P.I. STA. 142+35.73

$\Delta = 9^\circ 05' 28.8"$
 $D = 3^\circ 00' 00.0"$
 $R = 1909.86'$
 $T = 151.84'$
 $L = 303.04'$
 $E = 6.03'$
 $S.E. = R.C.$



TYPICAL SECTION

Scale: 1/8"=1'-0"

GENERAL NOTES

DESIGN SPECIFICATIONS:

AASHTO Standard Specifications for Highway Bridges, 1992 Edition.

DESIGN LOADING:

Live Load - HS20 - 44
 Dead Load - Includes an allowance of 15 lbs. per square foot for a future wearing surface.
 Other Loads - As specified by AASHTO.

DESIGN STRESSES:

Class AAA (AE) Concrete Superstructure $f'_c = 4,000$ psi.
 $f_c = 1,200$ psi (slab)
 Class AAA (AE) Concrete Substructure $f'_c = 4,000$ psi.
 Class AAA Concrete Substructure $f'_c = 4,000$ psi.
 Reinforcing Steel (Grade 60) $f_y = 60,000$ psi.
 Prestressed Concrete $f'_c = 6,000$ psi.
 Prestressing Reinforcement Low relax., 7-wire strand (Grade 270).

DECK PROTECTIVE SYSTEM:

All reinforcing steel in the deck slab, barrier rails and abutment backwalls shall be epoxy-coated. Minimum concrete cover to top reinforcing in the deck slab shall be 2-1/2 inches. A 1-1/2 inch latex surface course shall be placed on the deck between gutterlines and from end to end of wearing surface on the roadway.

Notes:
 For Hydraulic Data, Profile Grade, and Bench Mark information, see Sheet 27.

THESE ARE PRELIMINARY PLANS

Subject to modification resulting from subsequent review and final design.

3	6-11-93	Hydraulic Data, Per Fixity	FWG	WCC
2				
1				
NO	DATE	REVISIONS	BY	APP'D

CITY OF WICHITA				
BR. NO. 5304008700AR31			STA. 136+80.14	
CONSTRUCTION LAYOUT				
N.B. BROADWAY OVER THE ARKANSAS RIVER				
SHEET NO.	SCALE	As Shown	APP'D	
DESIGNED	DETAILED	FWG	QUANTITIES	TRACED
DESIGN CK.	DETAIL CK.	WCC	QUAN CK.	TRACE CK.

HNTB

HOWARD NEEDLES TAMMEN & BERGENDOFF
 ARCHITECTS ENGINEERS PLANNERS

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