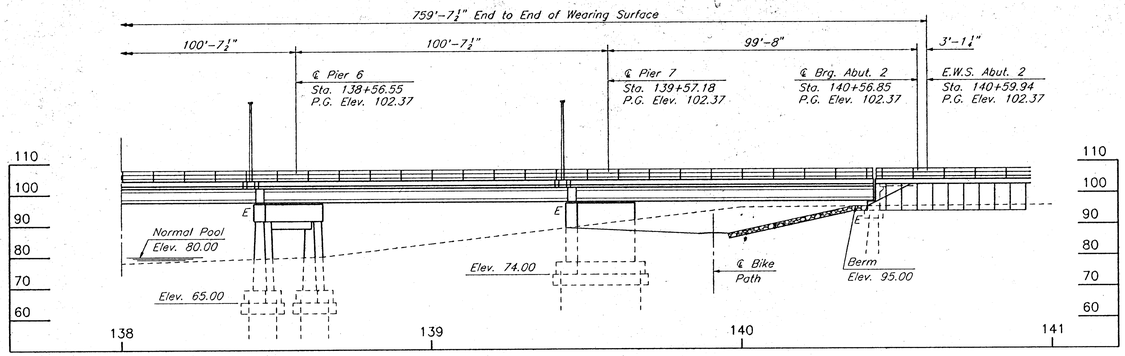
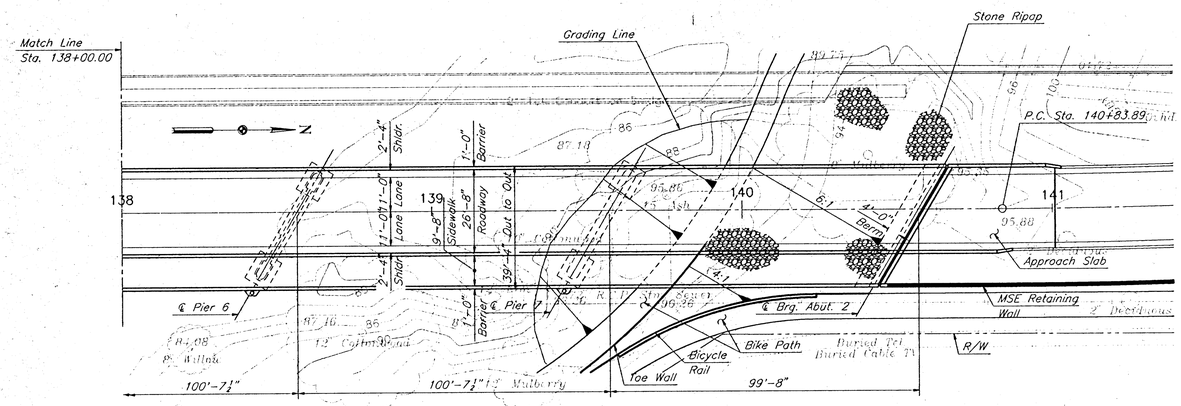
FHWA REGION NO	STATE	PROJECT NO	YEAR	SHEET NO	TOTAL SHEETS
7	KANSAS		1993	28	35



ELEVATION
Scale: 1"=20'

50';100'-7½";100'-7½";100'-7½";100'-7½";100'-7½";100'-7½";
100'-7½";99'-8"; Prestressed Concrete Beam Spans
Pile Bent Abutments, Pedestal Type Piers
26'-8" Roadway; 9'-8" Sidewalk, 30° 31' 00.0" Skew Rt.

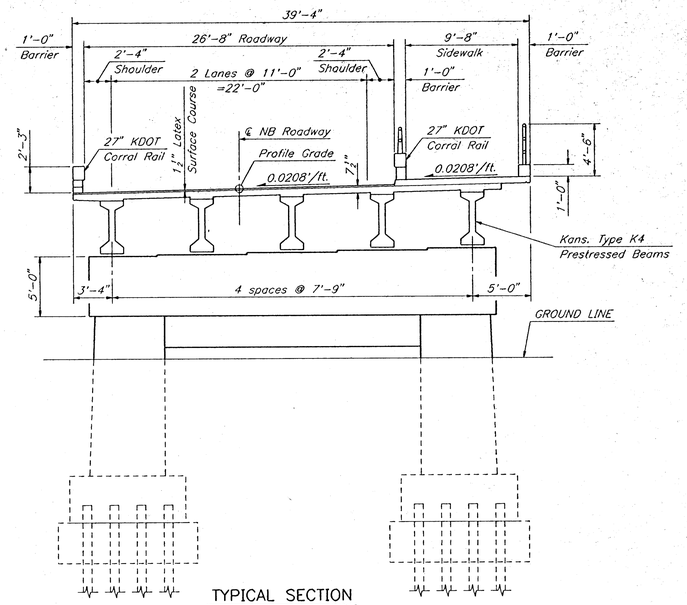


PLAN
Scale: 1"=20'

CURVE DATA
NB BROADWAY

P.I. STA. 142+35.73

Δ = 9° 05' 28.8"
D = 3° 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 squore foot for a future wearing surface.
Other Loads – As specified by AASHTO.

DESIGN STRESSES:

Class AAA (AE) Concrete Superstructure	f'c	= 4,000 psi.
	fc	= 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)	fy	= 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.

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

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.

THESE ARE PRELIMINARY PLANS
Subject to modification resulting from subsequent review and final design.

HNTB
HOWARD NEEDLES TAMMEN & BERGENDOFF
ARCHITECTS ENGINEERS PLANNERS

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