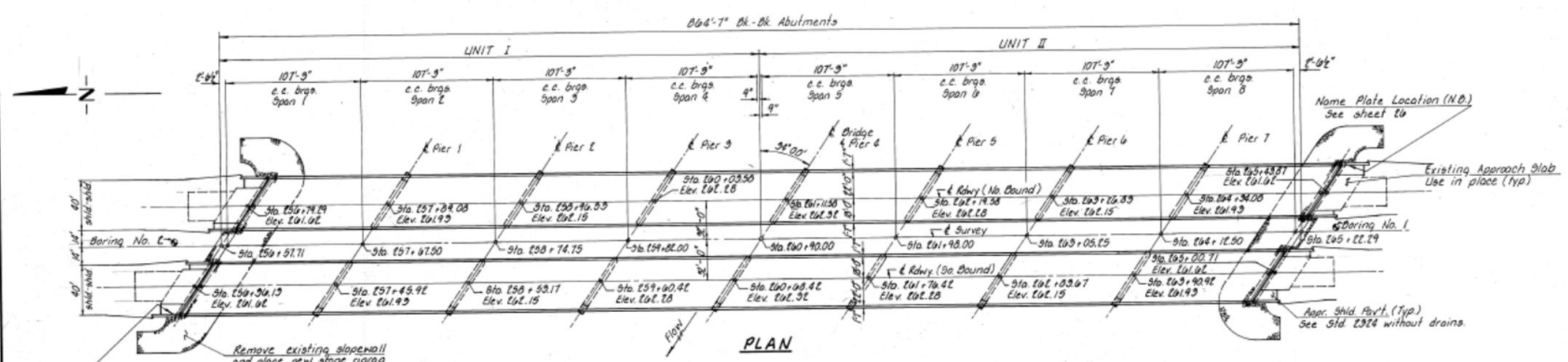
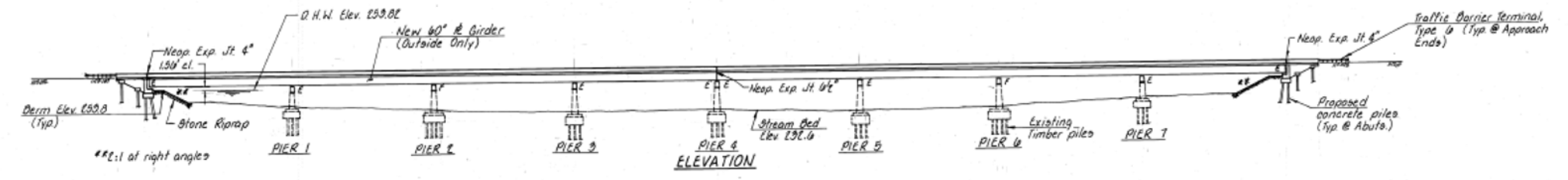


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 57	140-BR	KANKAKEE	55	20
PROJECT NO.	ILLINOIS PROJECT			
Sheet 1 of 36				

D.M. #1 - 14" West Sta. E56+90, Chiseled "a" in top of East Wing, N. Abut. Elev. E51.90
 Existing Structures: Sta. E50+90.00 built in 1951 as FA Rte. 20, Sec. 40 B, Q.E. F 4 P
 Existing deck to be replaced and widened utilizing additional exterior girder as shown.
 Existing beams to be converted to composite. Widen and repair existing substructure.
 Utilize stage construction by building one bridge and two way traffic open at all times.
 Existing Structures No's: 046-0003 & 046-0004
 No Salvage



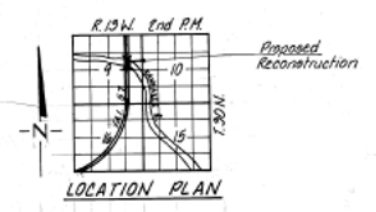
INDEX OF SHEETS

1. General Plan & Elevation	12-14. Drainage Details
2. General Notes	15-18. Structural Steel
3. Riprap Details	19-21. Bearing Details
4-7. Slab Elevations	22-23. Abutment Details
8-9. Superstructure	24-25. Pier Details
10-11. Expansion Devices	26. Pile Details

WATERWAY INFORMATION

Drainage Area = 4,567 Sq. Mi. Low Grade Elev. E50.6 @ Sta. E56+00

Flood	Freq. Yr.	Q	Opening Sq. Ft.	Net. Head Ft.	Headwater Elev.
		C.F.S.	Exist. Prop.	Exist. Prop.	Exist. Prop.
Design	50	55,640	10,804	10,804	E59.8E E59.8E
Base	100	47,520	11,940	11,940	E59.8E E59.8E
Overtopping					
Max. Calc.	500	58,410	11,940	11,940	E59.8E E59.8E



DESIGN STRESSES

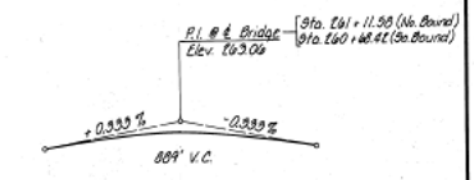
$f_c = 1,000$ psi. (Existing)
 $f_c = 3,500$ psi. (New)
 $f_s = 20,000$ psi. (Reinforcement Existing)
 $f_s = 80,000$ psi. (Reinforcement New)
 $f_s = 18,000$ psi. (Structural Steel Existing)
 $f_s = 20,000$ psi. (Structural Steel New)
 LOADING HS 20-44 & All Military Loading
 Design Specifications: 1983 AASHTO

25% f_{dL} included in dead load for future wearing surface.

APPROVED FOR STRUCTURAL AGENCY ONLY
James J. Kay, P.E.
 Engineer of Bridge Structures



Frank Stone Jr.
 Illinois Structural No. 4936



PROFILE GRADE ON & ROW OF EACH BRIDGE

KANKAKEE RIVER

GENERAL PLAN & ELEVATION
 FAI ROUTE 57
 SECTION 140-BR
 KANKAKEE COUNTY
 STATION E60+90

COLLINS AND RICE
 CONSULTING ENGINEERS

DESIGNED A.R.K. CHECKED F.S. & R.M.B.
 DRAWN M.G. DATE 12-15-86 NO. 1874

FOR INFORMATION ONLY

FILE NAME =	USER NAME = #USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REPAIR BRIDGE PLANS 1987	F.A.I. RTE. 57	SECTION (140BR, BR-1 & II)	COUNTY KANKAKEE	TOTAL SHEETS 183	SHEET NO. 136	
#FILEL#	PLOT SCALE = #SCALE#	DRAWN -	REVISED -			SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 66750		
#MODELNAME#	PLOT DATE = #DATE#	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT					
		DATE -	REVISED -								