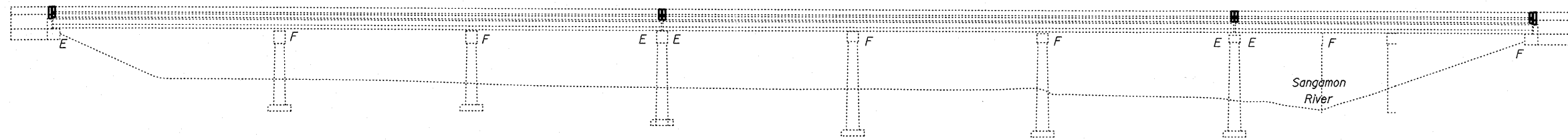
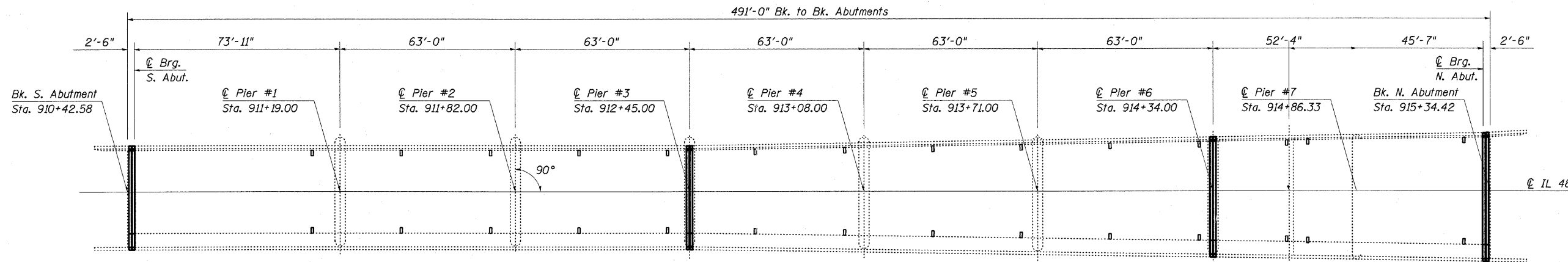


The existing eight span concrete I-beam structure was constructed in 1929 as SBI 48 section 127BY at Sta. 912+75 and reconstructed in 1957 and in 1992 as SBI 48 section 127BR at Sta. 912+88.5. SN. 058-0037 carries FAU 7429 (IL 48). The proposed project consists of new expansion joints and new drainage scuppers.



ELEVATION



PLAN

DESIGN STRESSES

FIELD UNITS

$f'_c=5,000$ psi. $f_y=36,000$ psi. (M183)
 $F_y=60,000$ psi. (Reinf) $f_y=50,000$ psi. (M223 Gr. 50)

PRECAST PRESTRESSED UNIT

$f'_c=5,000$ psi. $f'_s=270,000$ psi. ($\frac{1}{2}$ " ϕ strands)
 $f'_{ci}=4,000$ psi. $f'_{si}=189,000$ psi. ($\frac{1}{2}$ " ϕ strands)



David Carl Puzey 12/9/11
 Expires 11/30/12

FILE NAME =	USER NAME = swartzw	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION SN. 058-0037			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pw\work\pwi\dot\swartzw\10212489\0774	500-sh-t-brp\Inp\F-2580037.dgn	DRAWN -	REVISED -		SCALE: NA	SHEET NO. 1 OF 13 SHEETS	STA.	TO STA.	716	*	Macon	98	80
	PLOT SCALE = 20.0000' / 1" in.	CHECKED - MEA	REVISED -		CONTRACT NO. 74500								
	PLOT DATE = 10/13/2011	DATE - 08/16/11	REVISED -		ILLINOIS FED. AID PROJECT								