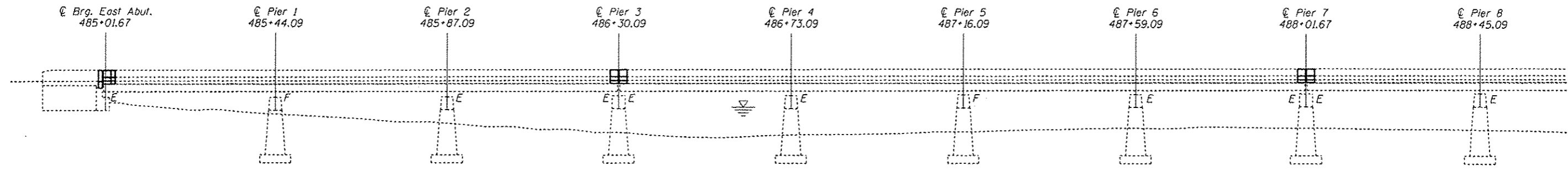
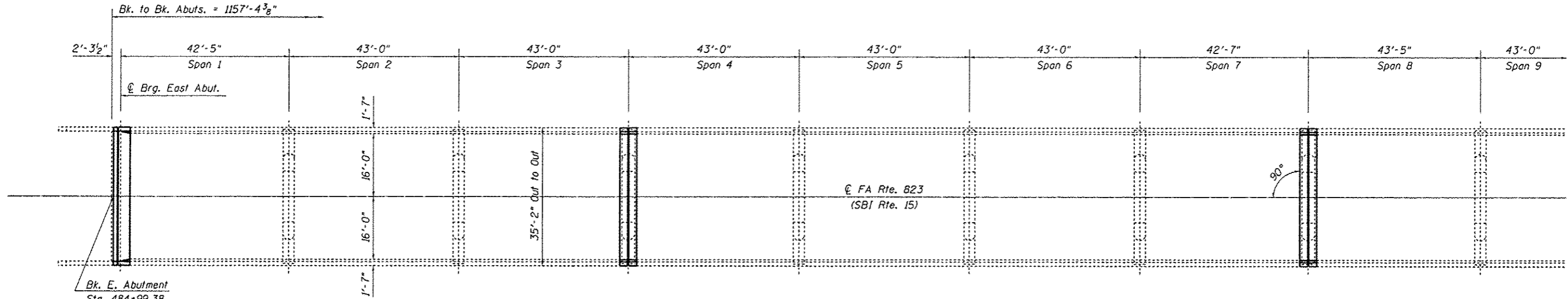


Existing structure built in 1924, SBI 15, Sec. 22G & F, reconstructed in 1955 as Sec. 22BY. The 21 span multi-beam structure was again reconstructed in 1980 as FA 823, Sec. 22BR-7 at Sta. 492+75. SN. 096-0010 carries FA 823 over the Little Wabash River. The proposed project consists of new expansion joints and new elastomeric bearings.



**ELEVATION**



**PLAN**



*David Carl Puzey* 1/23/14  
Expincs 1/30/14

**EXISTING DESIGN STRESSES**

- $f'_c$  = 3,500 psi (Deck Slab)
- $f'_y$  = 60,000 psi (Deck Reinf.)
- $f_c$  = 1,400 psi (Curb, Parapet, Substructure)
- $f_s$  = 24,000 psi (Reinf. Steel, Grade 60)
- $f_y$  = 50,000 psi (M223 Grade 50 Structural Steel)
- $f_y$  = 36,000 psi (M183 Structural Steel)
- $f_s$  = 18,000 psi Structural Steel Existing @ Girders
- $vc$  = 56.2 psi
- $n$  = 9

FILE NAME :	USER NAME : staffanek	DESIGNED - MJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL PLAN AND ELEVATION SN. 096-0010 (SPANS 1 THRU 9)</b>			F.A.P. RTE. 823	SECTION 07 BRIDGE REPAIRS 2014-3	COUNTY WAYNE	TOTAL SHEETS 60	SHEET NO. 22
Default	0:\pwwork\puidot\staffanek\d0340638\074618-ehc-brginprf-0960010.dgn	DRAWN - MJM	REVISED -		SCALE: N/A	SHEET 1	OF 35 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 74618		
	PLOT SCALE = 40,0000 / 12.	CHECKED - MEA	REVISED -									
	PLOT DATE = 12/6/2013	DATE - 08/13/2013	REVISED -									