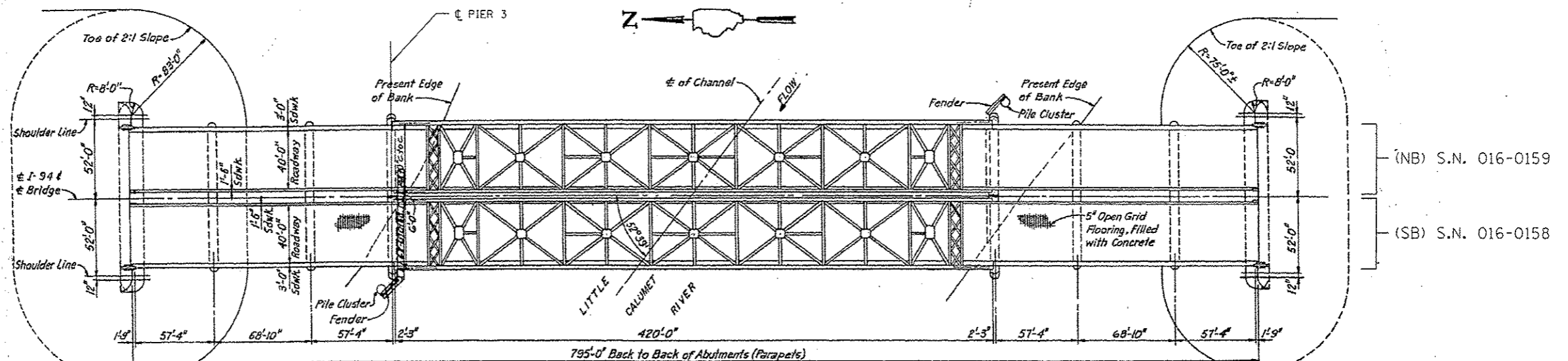
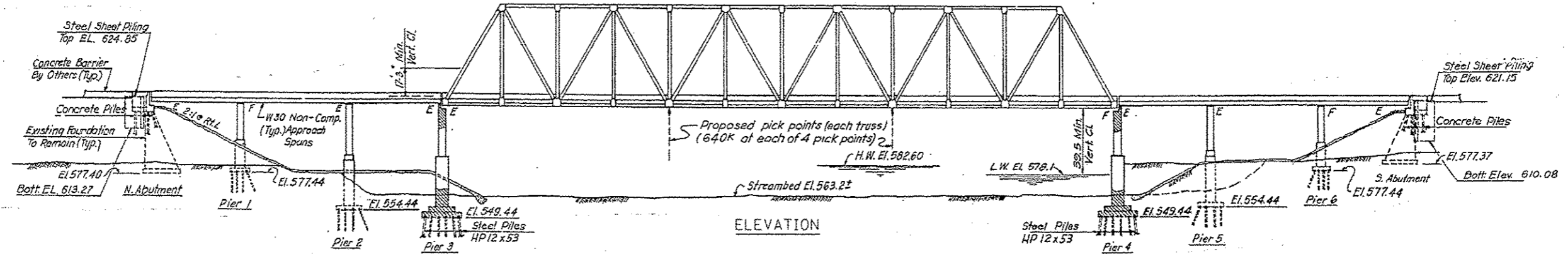


**Design Stresses**  
 $f_c = 3500$  psi  
 $f_y = 60,000$  psi (Reinforcing)  
 $f_s = 20,000$  psi (AASHTO M 183)  
 $f_s = 27,000$  psi (AASHTO M 223, Gr. 50)

**Loading**  
 $H_S = 20' 4$  ALT.  
 Allow for 25 psf for  
 Future wearing surface

**Design Specifications**  
 AASHTO 1989 & Interim  
 AASHTO 1983 Seismic Guide Specifications



PLAN

**TOTAL BILL OF MATERIAL**  
 S.N. 016-0158 & S.N. 016-0159

ITEM	UNIT	TOTAL
TREATED TIMBER	F.B.M.	1595
HARDWARE	POUND	7320
UNDERWATER INSTALLATION OF TREATED TIMBER	F.B.M.	1095

**BILL OF MATERIAL S.N. 016-0158**

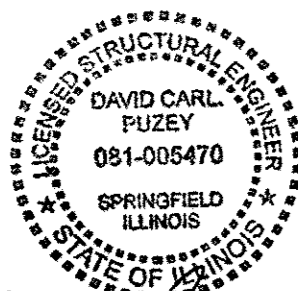
ITEM	UNIT	TOTAL
TREATED TIMBER	F.B.M.	1181
HARDWARE	POUND	3660
UNDERWATER INSTALLATION OF TREATED TIMBER	F.B.M.	1010

**BILL OF MATERIAL S.N. 016-0159**

ITEM	UNIT	TOTAL
TREATED TIMBER	F.B.M.	414
HARDWARE	POUND	3660
UNDERWATER INSTALLATION OF TREATED TIMBER	F.B.M.	85

LEGEND

TIMBER REPLACEMENT



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

LOCATIONS 4-5  
 I-94 OVER  
 LITTLE CAL SAG  
 CHANNEL  
 S.N. 016-0158, 0159

FILE NAME: c:\pwork\pwork\hardnettr\08359781\01113-ehc-plan.dgn	USER NAME: hardnettr	DESIGNED: BH; RA	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATIONS 4-5 BRIDGE REPAIR PLANS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE: 1/8" = 1'-0"	DRAWN: 11/20/13	CHECKED: JAM	REVISED: -			VAR.	2013-043BR	COOK	22	20	
PLOT DATE: 12/11/2013	DATE: 11/21/13	REVISED: -	REVISED: -			CONTRACT NO. 60W97					
Default						ILLINOIS FED. AID PROJECT					