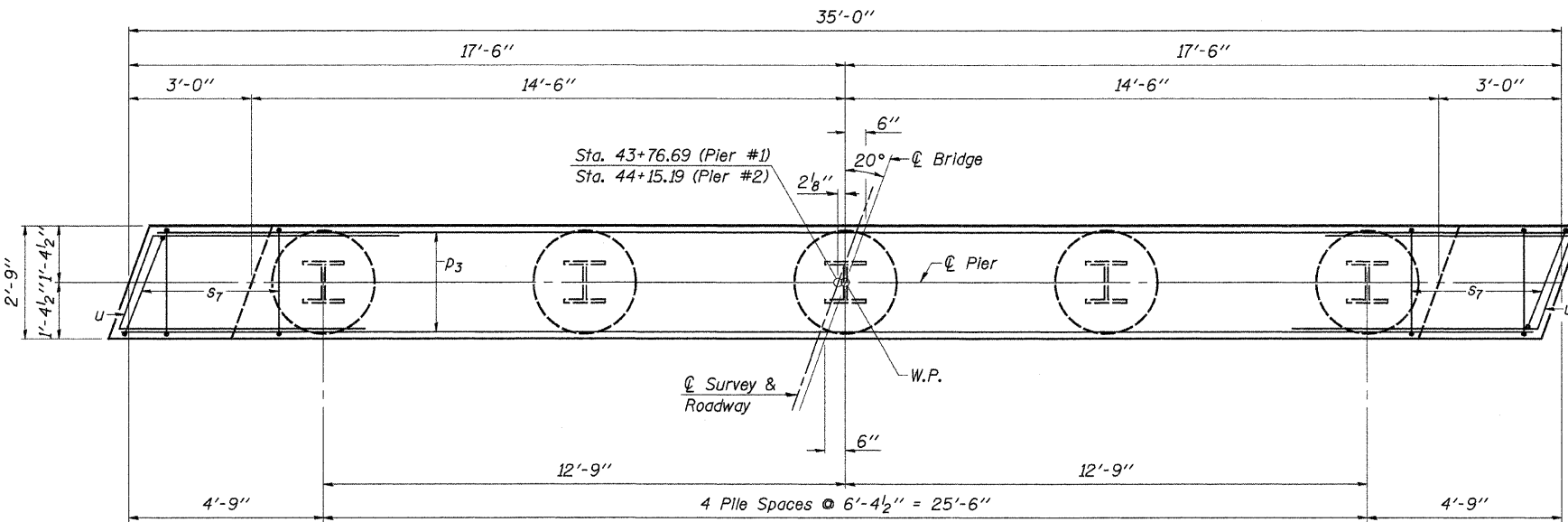
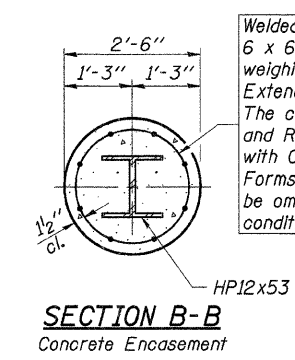


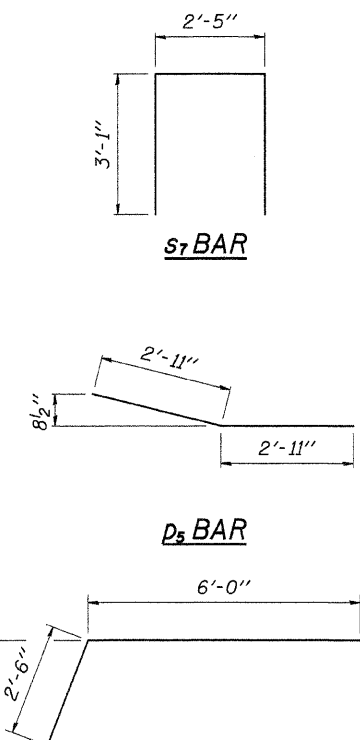
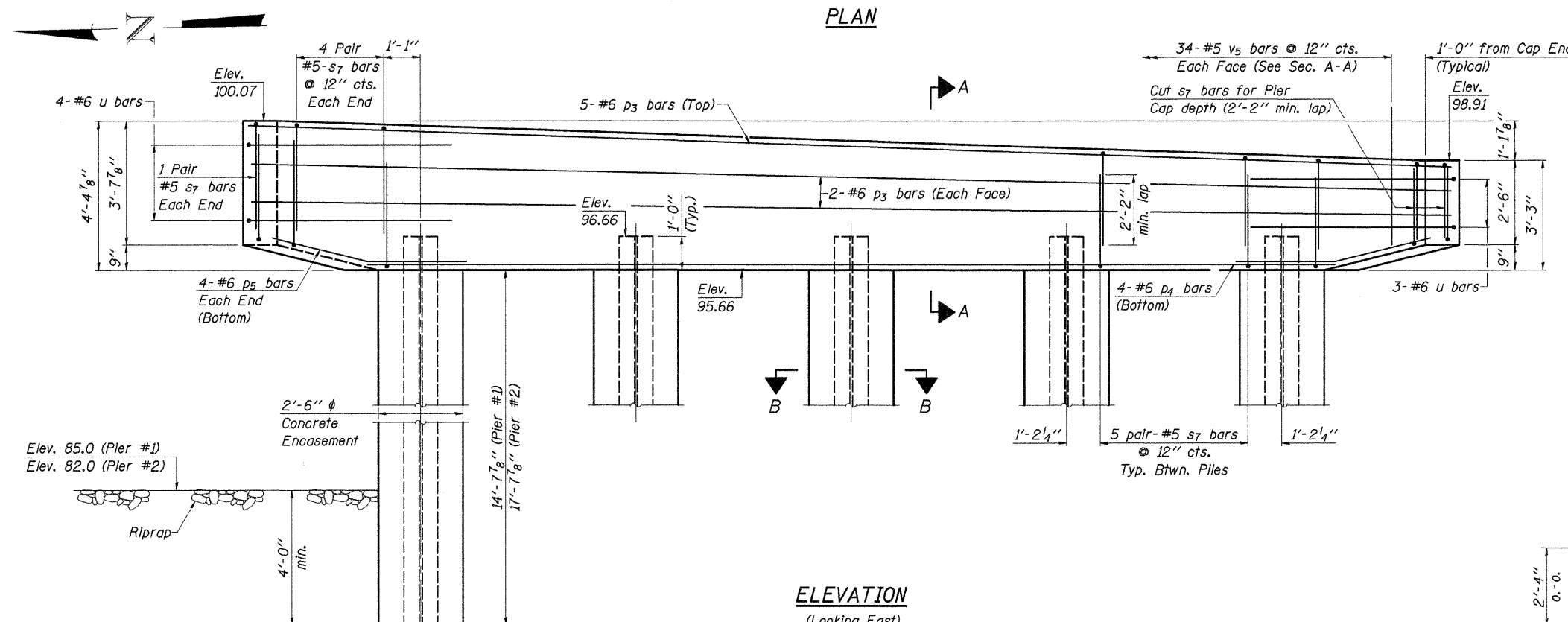
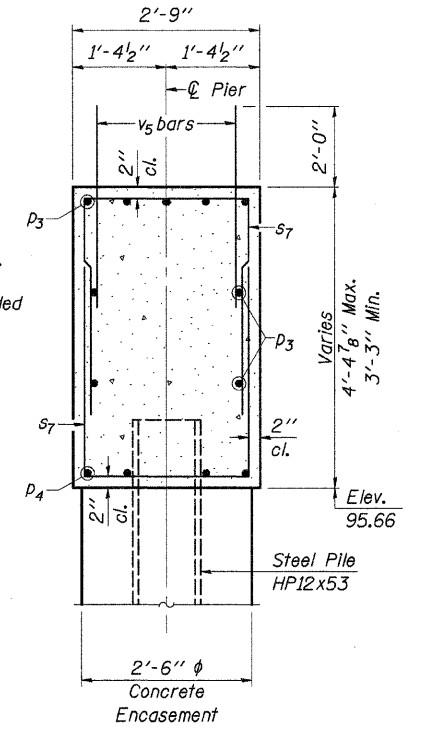
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 11	06-00002-01-BR	DEKALB	20	15
ILLINOIS		Contract No. 87366		



Note: All edges shall have standard 3/4" chamfer.



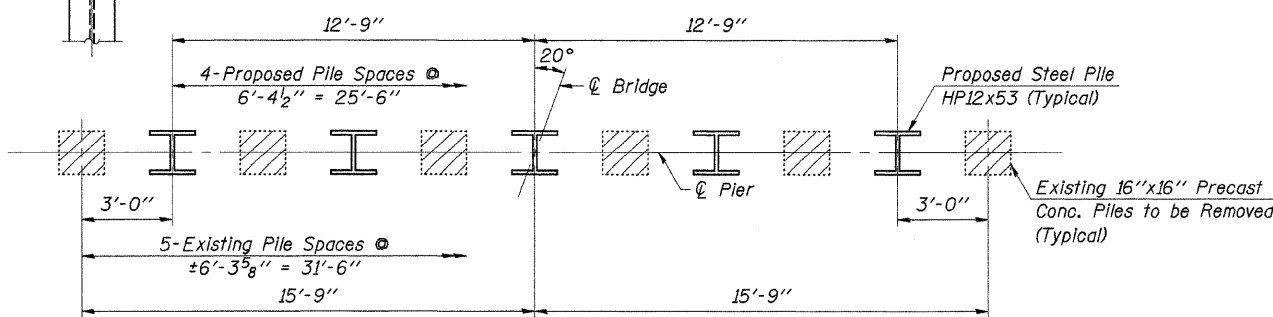
Welded wire fabric 6 x 6-W4.0 x W4.0 weighing 58#/100 sq. ft. Extend 1'-0" min. into cap. The cost of Excavation, and Reinforcement is included with Concrete Encasement. Forms for Encasement may be omitted when soil conditions permit.



**TWO PIERS  
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
P3	18	#6	34'-8"	—
P4	8	#6	28'-8"	—
P5	16	#6	5'-10"	—
S7	120	#5	8'-7"	□
U	14	#6	14'-6"	⊔
V5	136	#5	4'-0"	—
Concrete Structures			Cu. Yd.	26.8
Reinforcement Bars, Epoxy Coated			Pound	3,370
Steel Piles, HP12x53			Foot	450
Test Pile Steel HP12x53			Each	1
Concrete Encasement			Cu. Yd.	29.4

Note: All Reinforcement Bars shall be Epoxy Coated.



**PILE DATA**

Type & Size: Steel HP12x53  
 No. Req'd. (2 Piers): \*10  
 Nominal Required Bearing: 417 Kips  
 Allowable Resistance Available: 139 Kips  
 Estimated Length: 50 ft.  
 \*Includes 1 Test Pile to be driven in a permanent location at pier #2  
 The test piles shall be driven to 110 percent of the Nominal Required Bearing provided in the Pile Data.

DESIGNED	J.A.M.
CHECKED	A.R.K.
DRAWN	S.A.P.
CHECKED	A.R.K. & J.A.M.

**PIERS**  
 COUNTY HIGHWAY 11  
 SECTION 06-00002-01-BR  
 DEKALB COUNTY  
 STATION 43+96

4440 ASH GROVE  
 SPRINGFIELD, IL 62711  
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**FEHR-GRAHAM & ASSOCIATES, LLC**  
 ENGINEERING AND SCIENCE CONSULTANTS  
 PROJECT: C. HODGSON, C. HODGSON & HODGSON, V.P. SPRINGFIELD, IL

JOB NO.: 47538  
 FILE: PIERS.DGN  
 DATE: 09/02/08