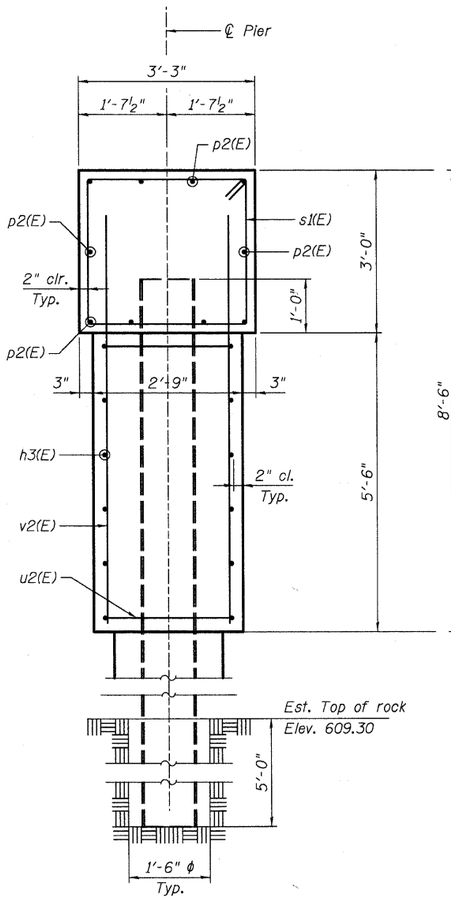
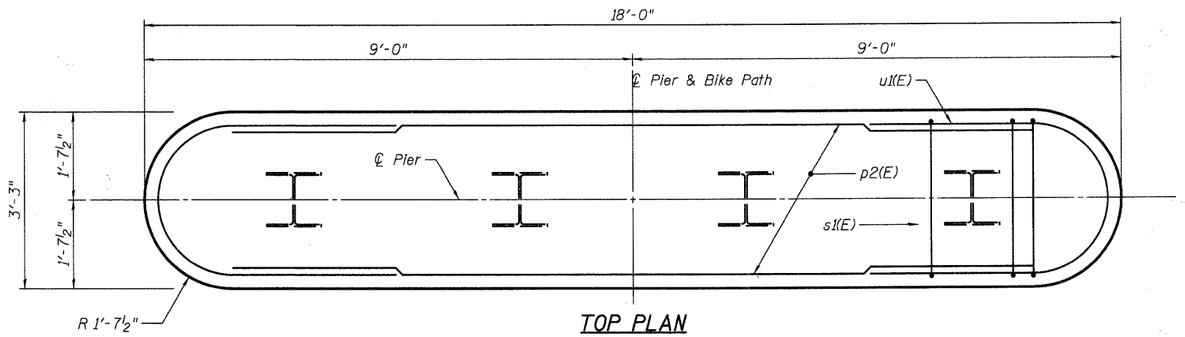
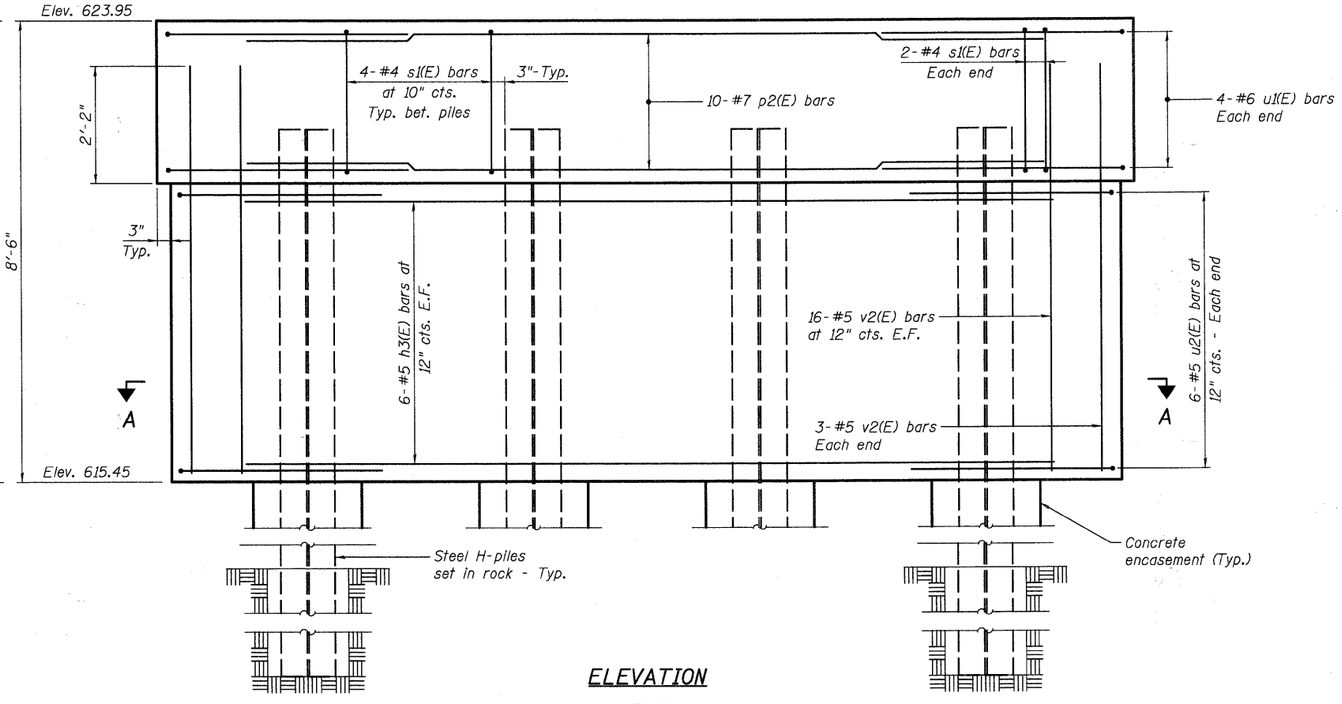


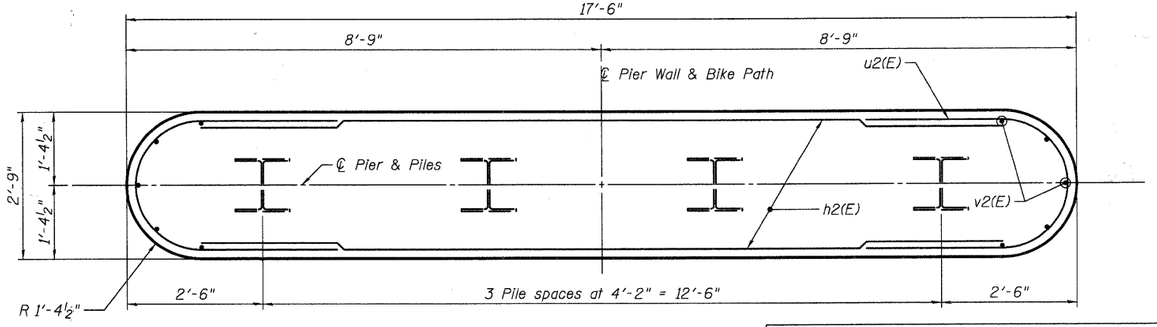
END VIEW



TOP PLAN



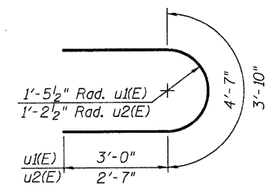
ELEVATION



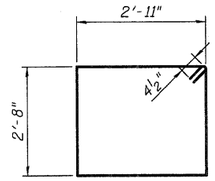
SECTION A-A

PILE DATA

Type: Steel HP 12x53
Nominal Required Bearing: Set in Rock
Allowable Resistance Available: 140 kips
Estimated Length: 18 ft.
No. Production Piles: 4
No. Test Piles: 0
Estimated Top of Rock: Elev. 609.30
Rock Socket Depth: 5.0 ft.
Rock Socket Diameter: 1'-6"



BAR u1(E) & u2(E)



BAR s1(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h3(E)	12	#5	14'-9"	
p2(E)	10	#7	14'-9"	
s1(E)	16	#4	11'-11"	
u1(E)	8	#6	10'-7"	
u2(E)	12	#5	9'-0"	
v2(E)	38	#5	7'-6"	

Structure Excavation	Cu. Yd.	30
Concrete Structures	Cu. Yd.	15.7
Concrete Encasement	Cu. Yd.	1.4
Reinforcement Bars, Epoxy Coated	Pound	1,151
Furnishing Steel Piles, HP 12x53	Foot	72
Setting Piles In Rock	Each	4
Concrete Sealer	Sq. Ft.	250

NOTES

1. Concrete Sealer shall be applied to all surfaces of the pier that will be exposed to weather.
2. Space reinforcement in pier cap to miss anchor bolts.
3. For details of piles and Concrete Encasement, see Sheet 16.
4. The pier cap elevation shall be coordinated with the Contractor and the requirements of the Pedestrian Truss Superstructure with approval from the Engineer.

PIER 1
BICYCLE BRIDGE OVER FOX RIVER

DESIGNED -	DLS
CHECKED -	AEU
DRAWN -	AWH
CHECKED -	DLS

WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174
(630) 443-7755

SHEET NO. 8
24 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-F3000-06-BT	KANE	58	29
		CONTRACT NO. 63517		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 12/20/2018
FILE NAME = P:\CBBEL WEST Projects\2009\123140 FoxRvrTr-PhII\Structural\Dgn\Final Plans\BikeBridge-2008-Pier1.dgn