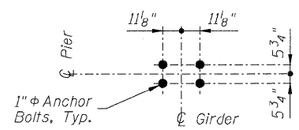
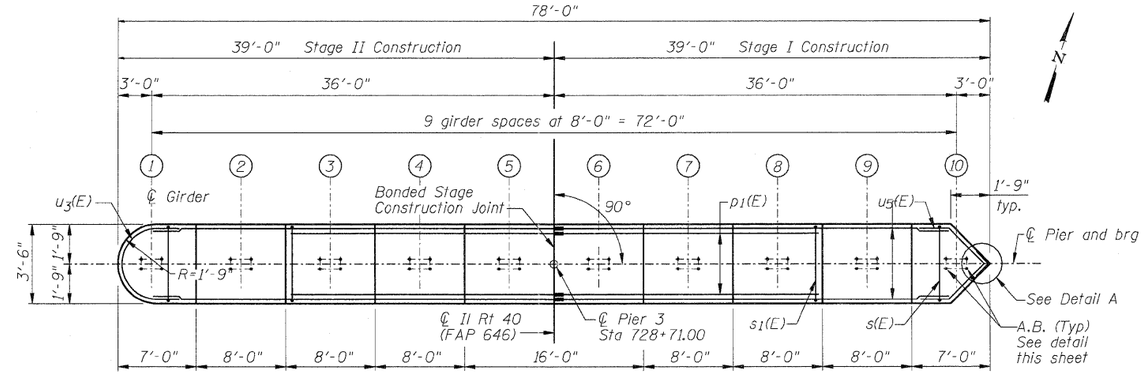


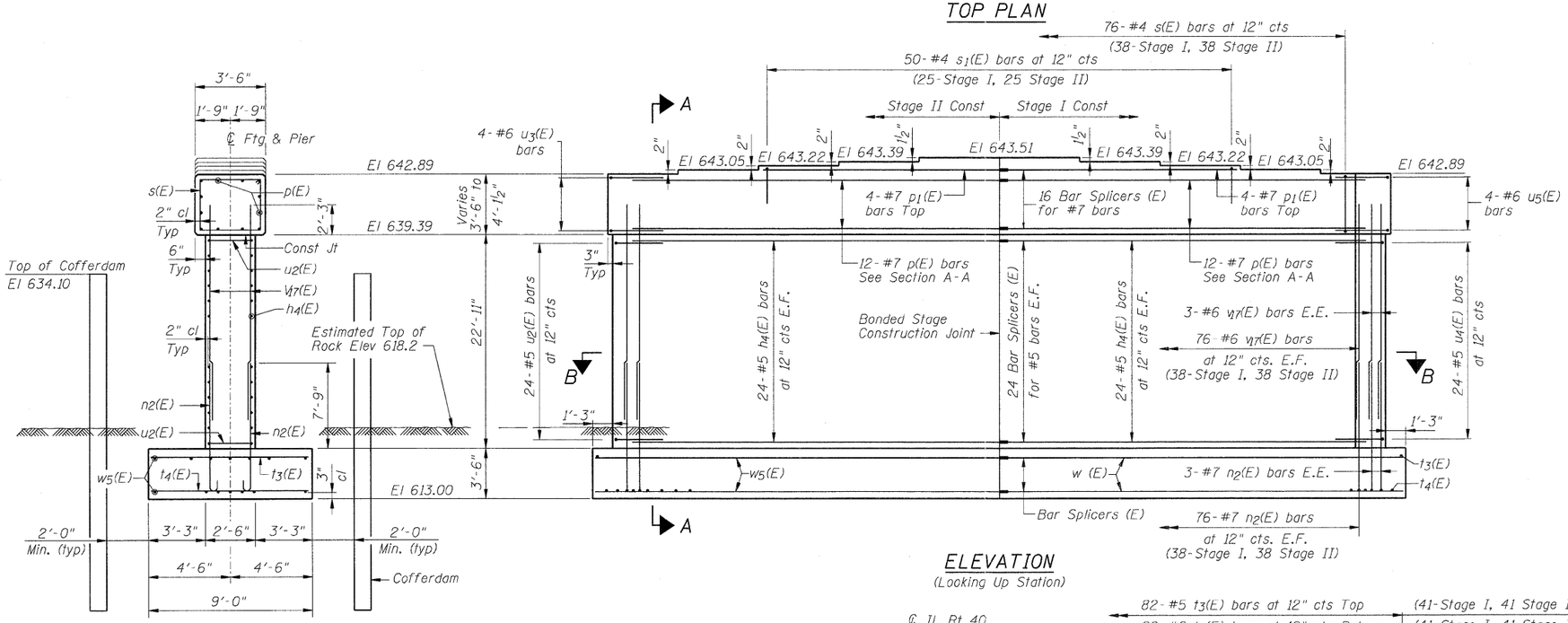
A.B. LAYOUT DETAIL

MIN. BAR LAP

#7 Bar = 5'-2"



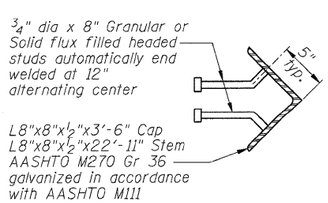
TOP PLAN



SECTION A-A

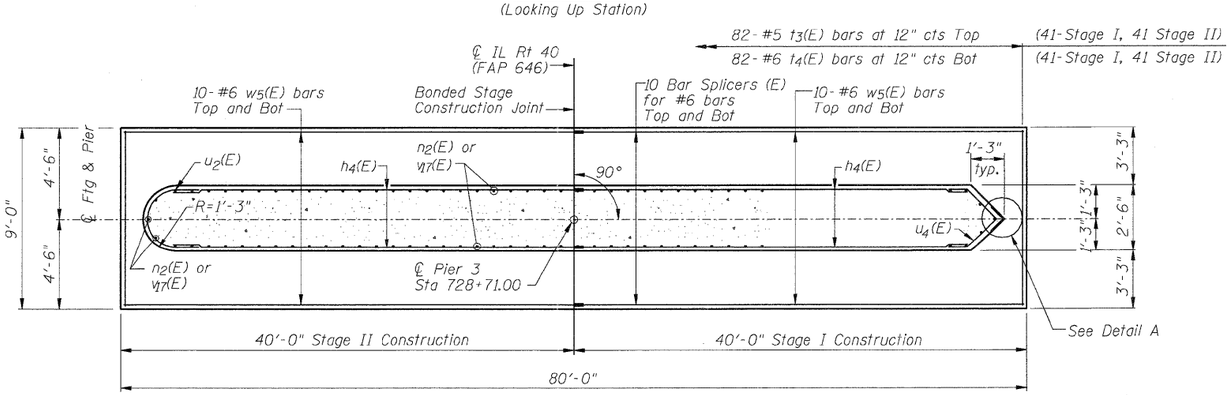
ELEVATION

(Looking Up Station)



DETAIL A

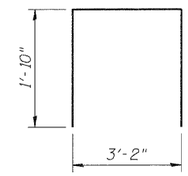
(Cost included with Concrete Structures)



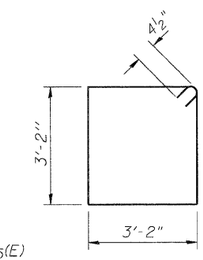
SECTION B-B

BILL OF MATERIAL

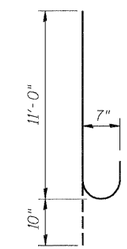
Bar	No.	Size	Length	Shape
h4(E)	96	#5	36'-9"	
n2(E)	158	#7	11'-10"	
p(E)	24	#7	37'-0"	
p1(E)	8	#7	23'-9"	
s(E)	76	#4	13'-5"	
s1(E)	50	#4	6'-10"	
t3(E)	82	#5	8'-8"	
t4(E)	82	#6	8'-8"	
u2(E)	24	#5	9'-11"	
u3(E)	4	#6	12'-8"	
u4(E)	24	#5	10'-1"	
u5(E)	4	#6	12'-8"	
v17(E)	158	#6	22'-7"	
w5(E)	40	#6	39'-9"	
Cofferdam Excavation			Cu. Yd.	80
Cofferdam (Location-4)			Each	1
Rock Excavation for Structures			Cu. Yd.	139
Concrete Structures			Cu. Yd.	296.3
Reinforcement Bars, Epoxy Coated			Pound	20820



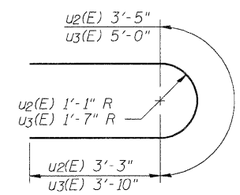
BAR s1(E)



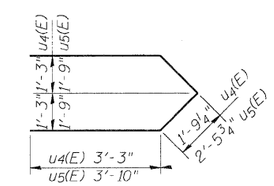
BAR s(E)



BAR n2(E)



BARS u2(E) & u3(E)



BARS u4(E) & u5(E)

NOTES

Pour steps monolithically with cap.

For details of Bar Splicers, see sheet 82 of 103.

All edges shall have standard ¾" chamfer.

Space reinforcement in cap to miss anchor bolts.

Final design and dimensioning of cofferdams are the responsibility of the contractor.

Allowable Bearing Resistance, Qa = 10 ksf

Maximum Applied Service Bearing Pressure, Qmax = 9.04 ksf

FILE NAME = 0264880-sht-pier-3.dgn	USER NAME = dwozniarski	DESIGNED - ACB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIER NO. 3 STRUCTURE NO. 098-0115	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		CHECKED - JMB	REVISED -			646	IB-2	WHITESIDE	257 / 176
	PLOT SCALE = 4.0000 ' / IN.	DRAWN - RLK	REVISED -					CONTRACT NO. 64B80	
	PLOT DATE = 7/18/2011	CHECKED - ACB	REVISED -		SHEET NO. 73 OF 103 SHEETS		ILLINOIS	FED. AID PROJECT	