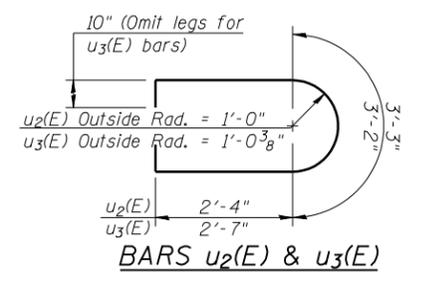
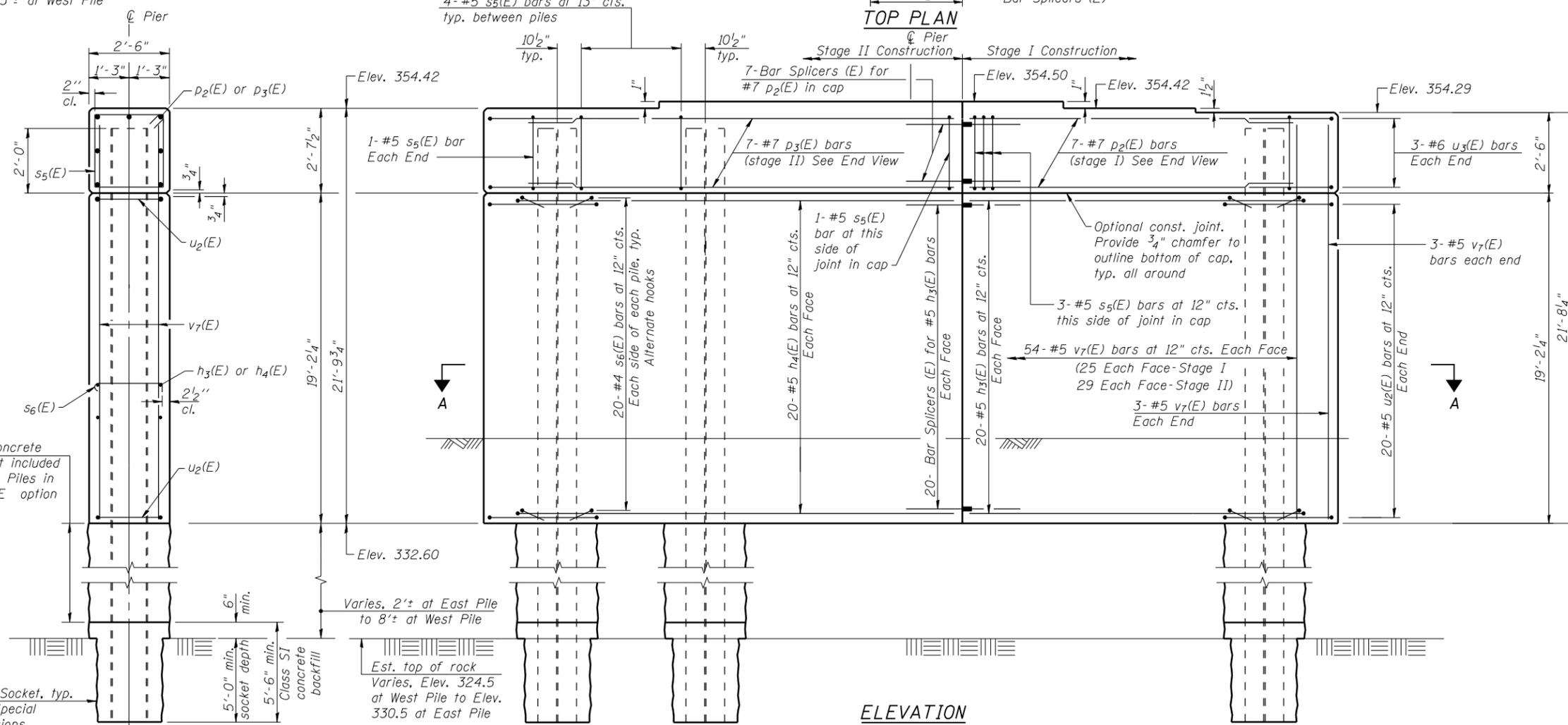
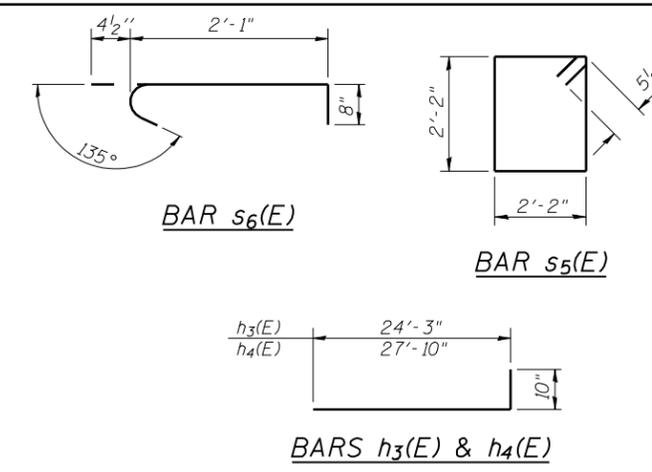
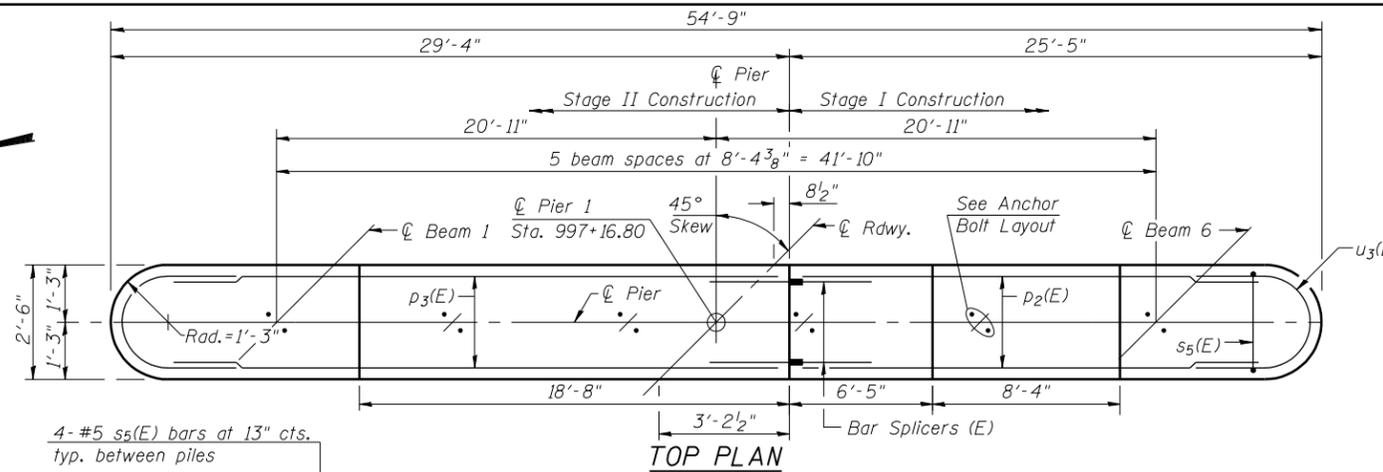


Notes:
 Space reinforcement in cap to miss anchor bolts.
 Pour steps monolithically with cap.
 For details of piles, see sheet 23 of 29.
 For details of Bar Splices, see sheet 24 of 29.
 Pile at centerline roadway shall be installed during Stage I construction to avoid conflict with new Stage I deck.

PILE DATA

Type: HP14x73
 Nominal Required Bearing: 578 kips
 Factored Resistance Available: 318 kips
 Est. Length: *
 No. Production Piles: 11
 No. Test Piles: 0

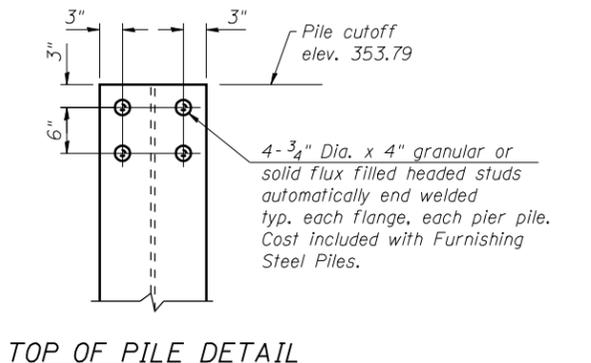
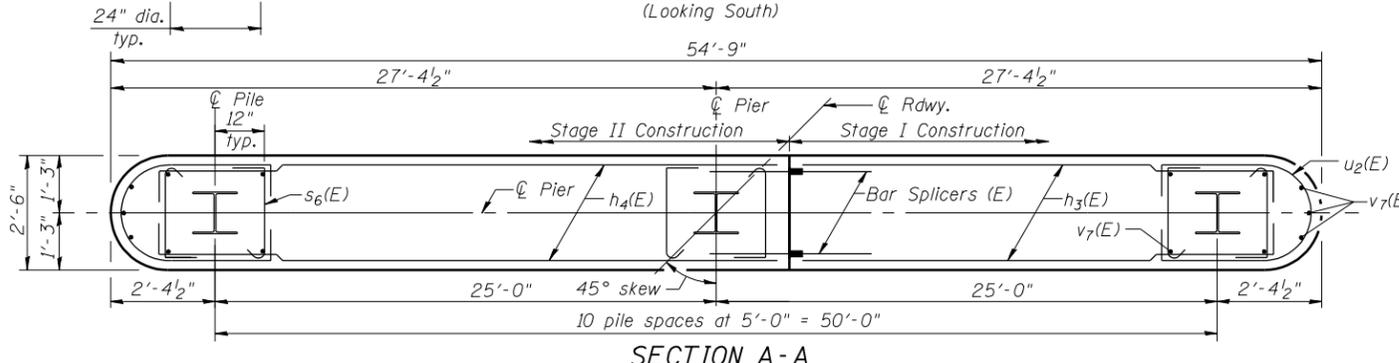
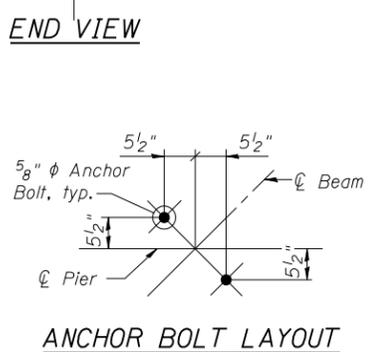
*Varies, 28.3'± at East Pile, 34.3'± at West Pile



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h3(E)	40	#5	25'-1"	┌
h4(E)	40	#5	28'-8"	┌
p2(E)	7	#7	24'-5"	—
p3(E)	7	#7	28'-0"	—
s5(E)	42	#5	9'-7"	□
s6(E)	440	#4	3'-2"	┌
u2(E)	40	#5	9'-6"	U
u3(E)	6	#6	8'-5"	U
v7(E)	114	#5	21'-2"	—
Cofferdam Excavation		Cu. Yd.	135	
Cofferdam (Type 2) (Location-1)		Each	1	
Concrete Structures		Cu. Yd.	109.6	
Reinforcement Bars, Epoxy Coated		Pound	7340	
Furnishing Steel Piles HP14x73		Foot	344	
Setting Piles in Rock		Each	11	

Class SI Concrete backfill cost included in "Setting Piles in Rock". PGE option not allowed.



PRINT DRIVER: L:\05-ESCA\PROJECTS\1158-1\PILOT\1158-1-01.dwg
 SCALE: 1/8" = 1'-0"
 DATE: 08/13/13 10:52:53 AM



USER NAME = kah	DESIGNED - SHL	07/13	REVISED -
ESCA PROJECT NO. 1035.03	CHECKED - RDP	09/13	REVISED -
PLOT SCALE = 0/2" = 1' / IN.	DRAWN - KAH	07/13	REVISED -
PLOT DATE = 1/22/2014 5:23:53 PM	CHECKED - SHL	08/13	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PIER 1
 STRUCTURE NO. 035-0017**

SHEET NO. 20 OF 29 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	1158-1	HARDIN	70	43
CONTRACT NO. 78263				

ILLINOIS FED. AID PROJECT