

Notes:
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
For details of piles See Sheet 71 of 86.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

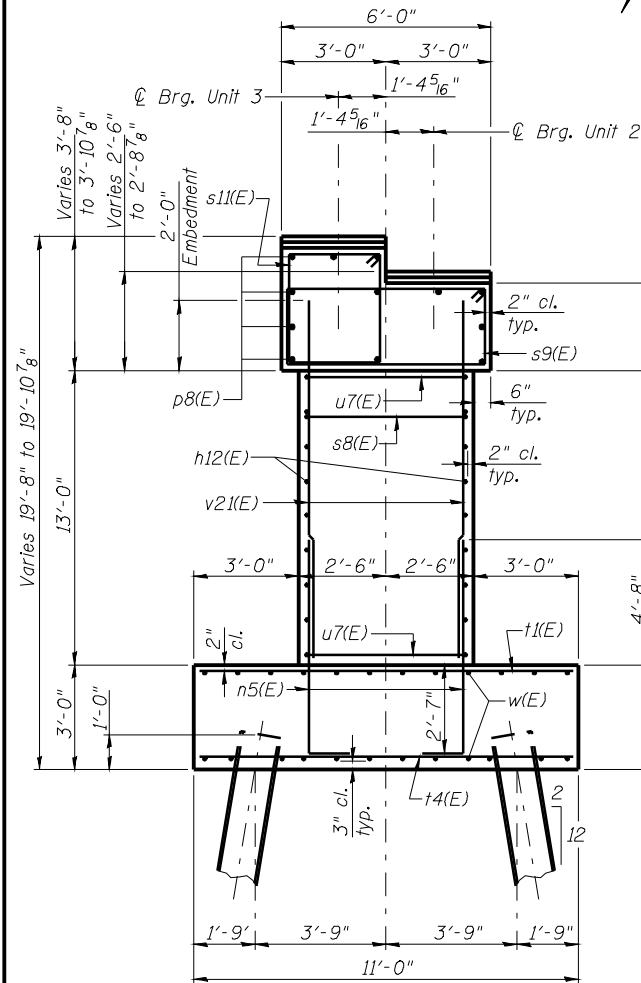
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP Rte 614	144(B-1)	Cass & Mason	351	200
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

Contract #72A76

SHEET NO. 64
86 SHEETS

BEARING SEAT ELEVATIONS

Girder	Unit 2	Unit 3
1	468.93	470.09
2	469.04	470.20
3	469.13	470.29
4	469.13	470.29
5	469.03	470.19
6	468.90	470.06

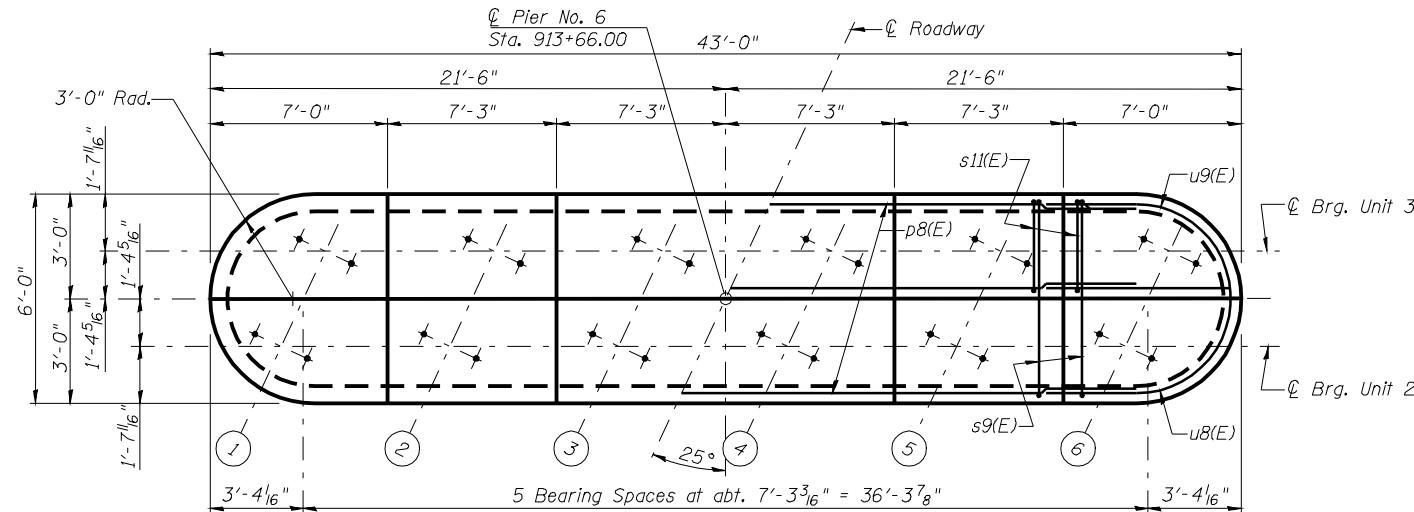


END VIEW
(Looking West)

Note Well:
Pier 6 backfill shall be placed and compacted according to Articles 205.04, 205.05, and 205.06 of the Standard Specifications.

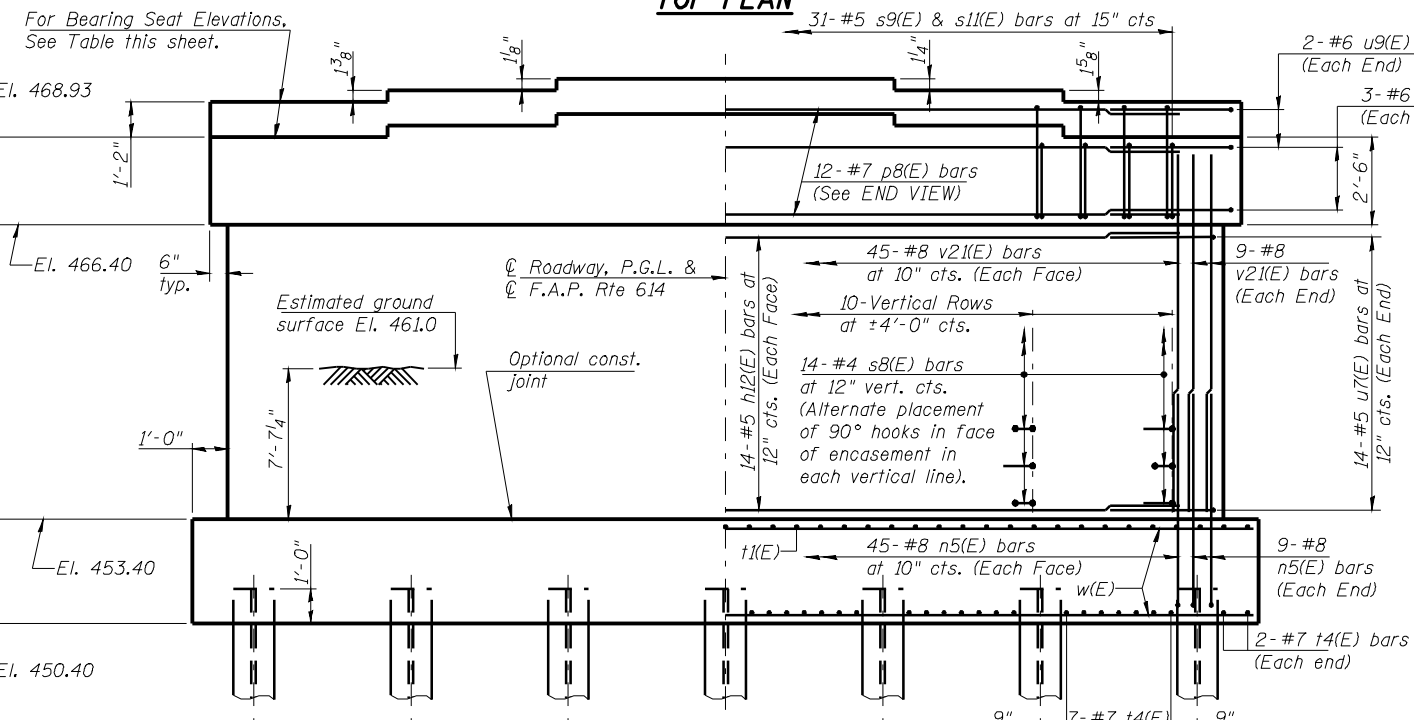
PILE DATA

Type: HP 14x89
Nominal Required Bearing: 705 kips
Factored Resistance Available: 350 kips
Est. Length: 80 Ft.
No. Production Piles: 13
No. Test Piles: 1

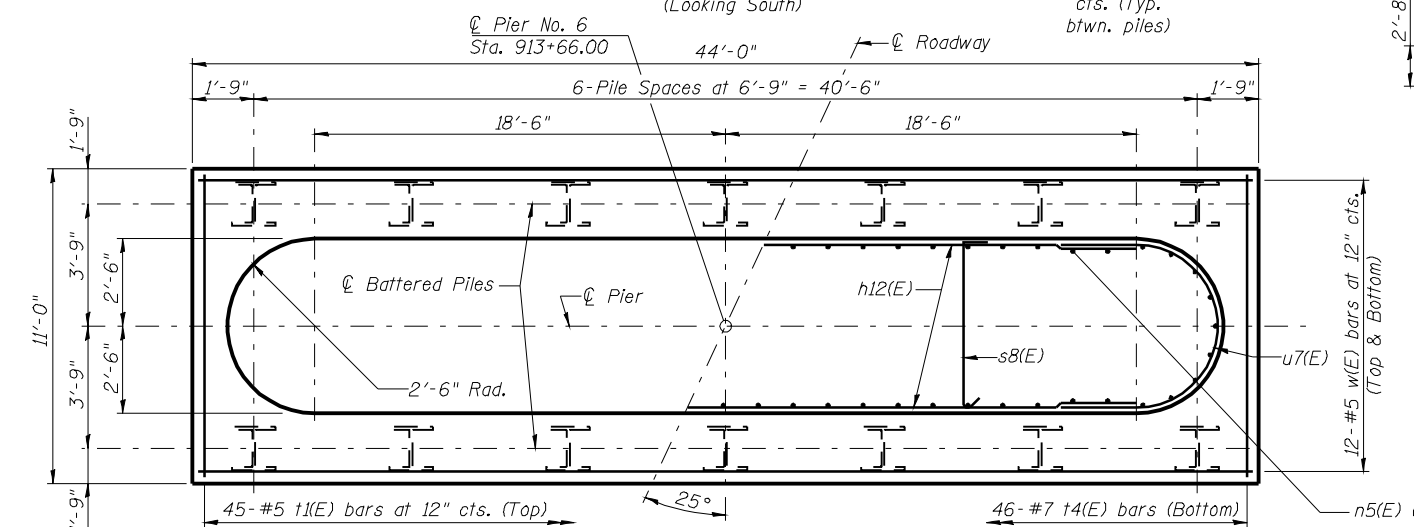


TOP PLAN

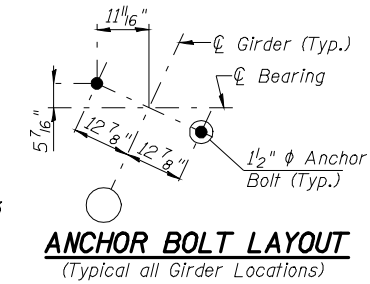
For Bearing Seat Elevations,
See Table this sheet.



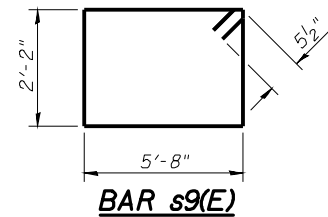
ELEVATION
(Looking South)



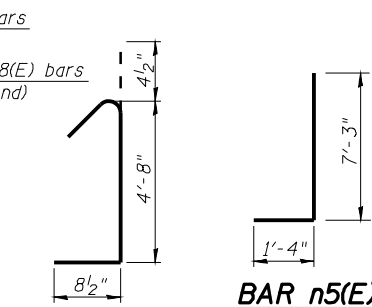
FOOTING PLAN



ANCHOR BOLT LAYOUT
(Typical all Girder Locations)

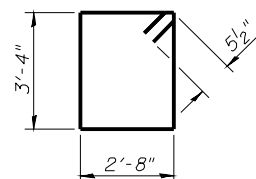


BAR s9(E)

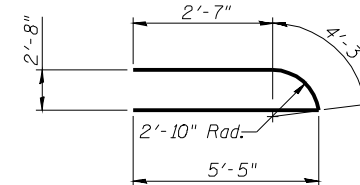


BAR n5(E)

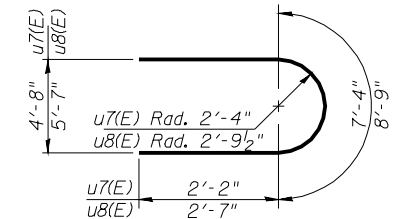
BAR s8(E)



BAR s11(E)



BARS u9(E)



BARS u7(E) & u8(E)

BILL OF MATERIAL - PIER 6

Bar	No.	Size	Length	Shape
h12(E)	28	#5	37'-0"	—
n5(E)	108	#8	8'-7"	J
p8(E)	12	#7	37'-0"	—
s8(E)	140	#4	5'-9"	U
s9(E)	31	#5	16'-7"	□
s11(E)	31	#5	12'-11"	□
t1(E)	45	#5	10'-6"	—
t4(E)	46	#7	10'-6"	—
u7(E)	28	#5	11'-8"	U
u8(E)	6	#6	13'-11"	U
u9(E)	4	#6	12'-3"	U
v21(E)	108	#8	15'-0"	—
w(E)	24	#5	43'-6"	—
Structure Excavation		Cu. Yd.	283	
Concrete Structures		Cu. Yd.	182.3	
Reinforcement Bars, Epoxy Coated		Pound	13390	
Furnishing Steel Piles, HP 14x89		Foot	1040	
Driving Piles		Foot	1040	
Test Pile, HP 14x89		Each	1	
Pile Shoes		Each	14	
Concrete Sealer		Sq. Ft.	601	

MINIMUM BAR LAP

#4 bar = 1'-8"
#5 bar = 2'-2"
#6 bar = 2'-7"
#7 bar = 3'-5"
#8 bar = 4'-6"
#9 bar = 5'-9"

PIER 6 - DETAILS
F.A.P. 614 (IL 78) OVER SANGAMON RIVER
PUBLIC WATERS
CASS & MASON COUNTIES
SECTION 144 (B-1)
STA. 913+26.00
STRUCTURE NUMBER 009-0510

PROFESSIONAL DESIGN FIRM LICENSE #184-001084

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JOB NO.

07S2026

DATE

03/27/09