

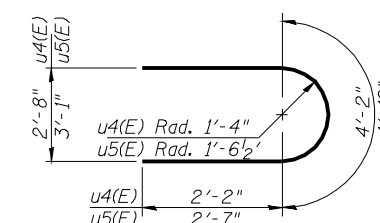
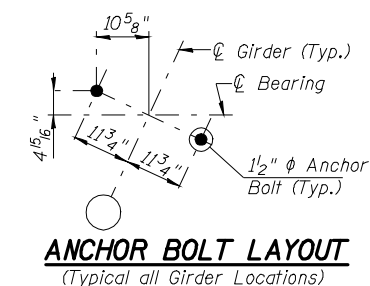
Notes:
 Space reinforcement in cap to miss anchor bolts.
 Pour steps monolithically with cap.
 For details of drilled shafts see sheet 62 of 86.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP Rte 614	144(B-1)	Cass & Mason	351	199
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 63
86 SHEETS

Contract #72A76



BARS $u_4(E)$ & $u_5(E)$

BILL OF MATERIAL - PIER 5

Bar	No.	Size	Length	Shape
h9(E)	10	#6	45'-2"	—
h10(E)	52	#5	39'-0"	—
n3(E)	86	#7	9'-5"	J
p3(E)	6	#8	47'-10"	L
p4(E)	6	#8	45'-2"	—
p5(E)	7	#7	39'-0"	—
s4(E)	43	#5	19'-11"	□
s5(E)	32	#5	11'-7"	□
s6(E)	286	#4	3'-9"	L
* * *				
sp2	4	#5	60'-5"	W
u3(E)	14	#6	9'-11"	U
u4(E)	52	#5	8'-6"	U
u5(E)	6	#6	10'-0"	U
v15(E)	96	#9	44'-0"	—
v16(E)	96	#9	29'-0"	—
v17(E)	86	#7	27'-9"	—
Concrete Structures			Cu. Yd.	176.4
Reinforcement Bars			Pound	6640
Reinforcement Bars, Epoxy Coated			Pound	37960
Drilled Shaft in Soil			Cu. Yd.	117
Drilled Shaft in Rock			Cu. Yd.	19
Permanent Casing			Foot	198
Cofferdam Excavation			Cu. Yd.	299
Cofferdam (Pier 5)			Each	1
Seal Coat Concrete			Cu. Yd.	135

**** Length is height of spiral.**

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"
#5 Spiral = 2'-6"

PIER 5 - DETAILS (Sheet 2 of 2)
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

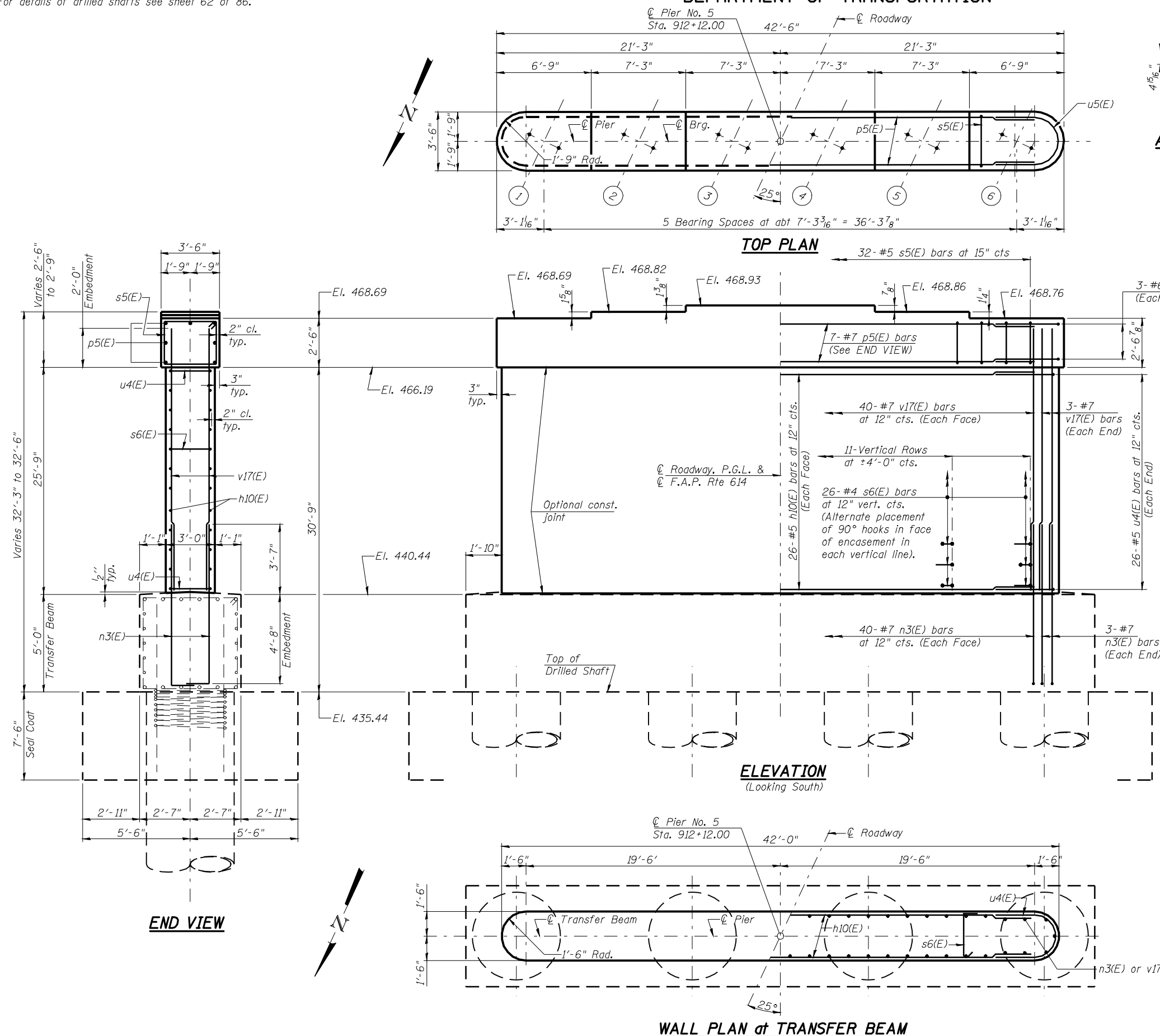
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HANSON
Hanson Professional Services Inc.

JOB NO.
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DATE
03/27/09

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LAYOUT	MNM	09/12/08
DRAWN	Rod	09/30/08
REVIEWED	TEH	09/30/08