

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP Rte 614	144(B-1)	Cass & Mason	351	204
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

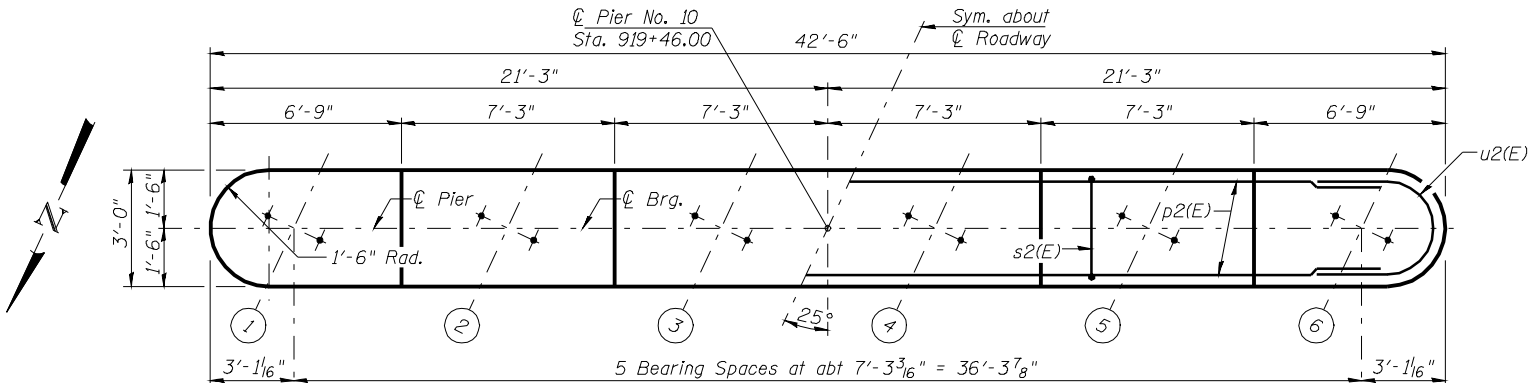
SHEET NO. 68

86 SHEETS

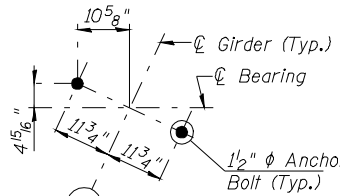
Contract #72A76

Notes:

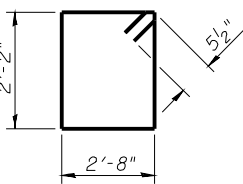
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
For details of piles and concrete encasement,
see sheet 71 of 86.



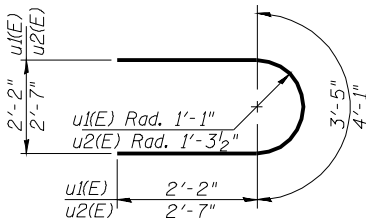
TOP PLAN



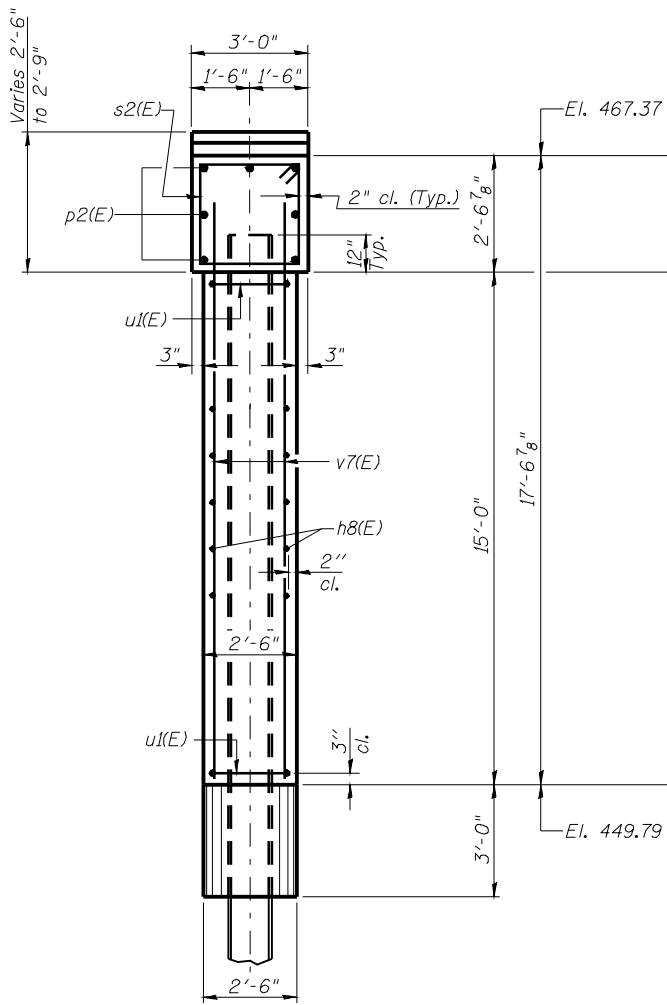
ANCHOR BOLT LAYOUT
(Typical all Girder Locations)



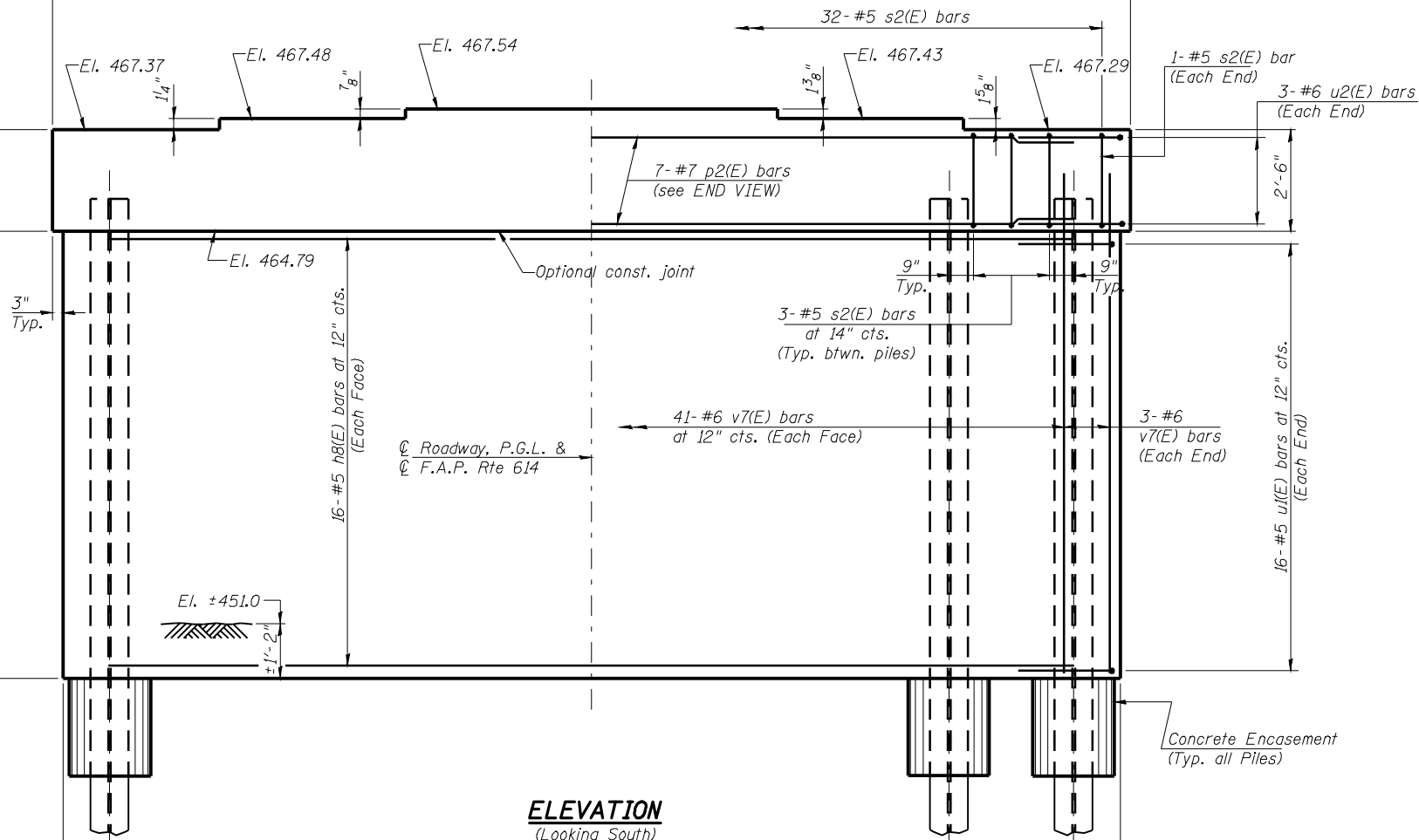
BAR s2(E)



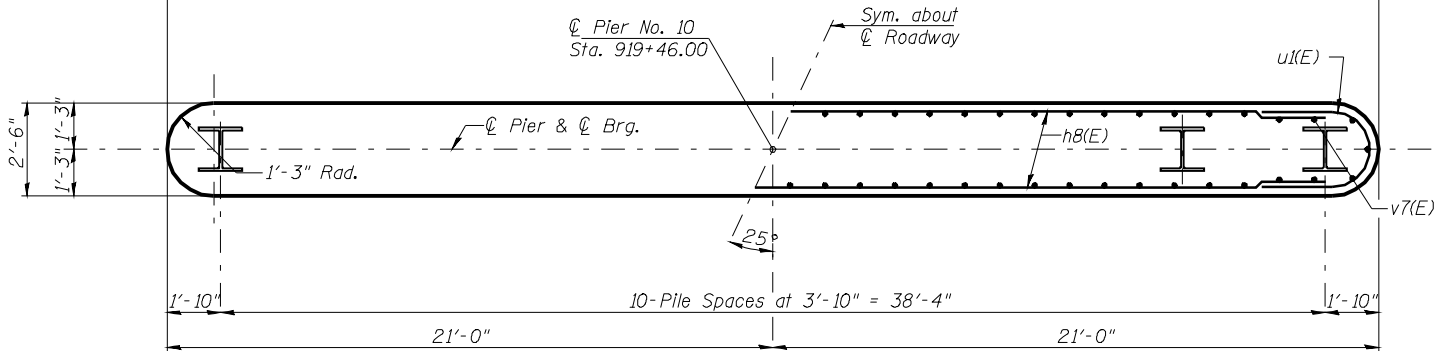
BARS u1(E) & u2(E)



END VIEW



ELEVATION
(Looking South)



FOOTING PLAN

BILL OF MATERIAL - PIER 10

Bar	No.	Size	Length	Shape
h8(E)	32	#5	39'-6"	—
p2(E)	7	#7	39'-6"	—
s2(E)	32	#5	10'-7"	□
u1(E)	32	#5	7'-9"	U
u2(E)	6	#6	9'-3"	U
v7(E)	88	#6	16'-6"	—
Structure Excavation				Cu. Yd. 10
Concrete Structures				Cu. Yd. 69.9
Reinforcement Bars, Epoxy Coated				Pound 4760
Furnishing Steel Piles, HP 14x89				Foot 1045
Driving Piles				Foot 1045
Concrete Encasement				Cu. Yd. 6.0
Pile Shoes				Each 11
Braced Excavation				Cu. Yd. 39

PIER 10 - 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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HANSON
Hanson Professional Services Inc.

JOB NO.
07S2026

DATE
03/27/09

PILE DATA

Type: HP 14x89
Nominal Required Bearing: 705 kips
Factored Resistance Available: 344 kips
Est. Length: 95 Ft.
No. Production Piles: 11
No. Test Piles: None

W-3/2009 080404M
G:\m\work\PILOT\LA05\HVR\0314498-00-0510 Master Sheet Pile.dgn
LAYOUT VPT 09/22/09
DRAWN Rcd 09/30/09
REVIEWED TER 09/30/09