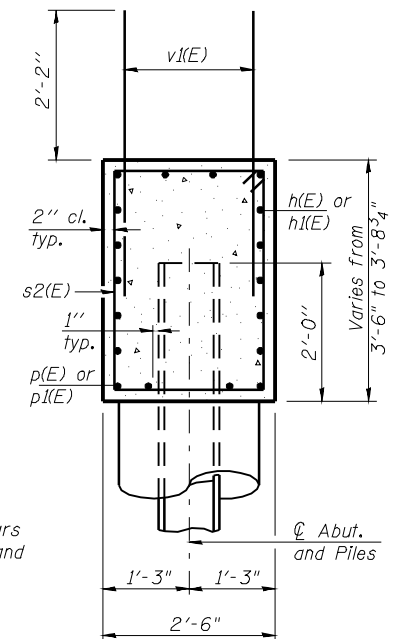
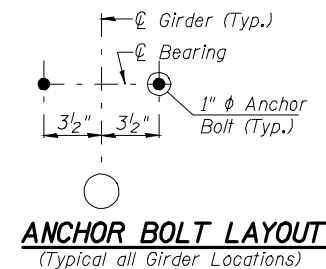


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

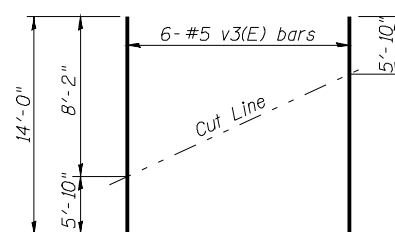


SEC. THRU ABUT.



ANCHOR BOLT LAYOUT
(Typical all Girder Locations)

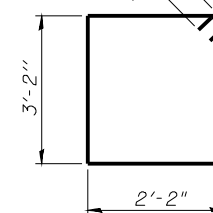
PLAN



FIELD CUTTING DIAGRAM

A diagram showing a 90-degree corner. The vertical leg is labeled $2'-7''$ and the horizontal leg is labeled $2'-1''$.

BAR $u(E)$



BAR s2(E)

PILE DATA

Type:	HP14x89
Nominal Required Bearing:	705 Kips
Factored Resistance Available:	352 Kips
Est. Length:	73 Feet
No. Production Piles:	5
No. Test Piles:	1 (In Stage 1 Area)

SOUTH ABUTMENT
F.A.P. 614 (IL 78) OVER WOLF LAKE
(PUBLIC BODY OF WATER)
SECTION 144 (B-2)
MASON COUNTY
STA. 862+41.25
STRUCTURE NUMBER 063-0500

BILL OF MATERIAL (So. Abut.)

Bar	No.	Size	Length	Shape
h(E)	10	#7	17'-9"	
h1(E)	10	#7	20'-9"	
h2(E)	56	#7	11'-3"	
p(E)	8	#8	17'-9"	
p1(E)	8	#8	20'-9"	
s2(E)	59	#5	11'-7"	
u(E)	8	#6	7'-3"	
v1(E)	75	#5	4'-4"	
v2(E)	12	#5	8'-3"	
v3(E)	12	#5	14'-0"	
Structure Excavation			Cu. Yd.	52
Concrete Structures			Cu. Yd.	17.8
Reinforcement Bars, Epoxy Coated			Pound	4310
Furnishing Steel Piles, HP14x89			Foot	365
Driving Piles			Foot	365
Test Pile, HP14x89			Each	1
Concrete Encasement			Cu. Yd.	3.3
Pile Shoes			Each	6

For details of Bar Splicers, see sheet 24 of 29.
For details of piles and Concrete Encasement,
see sheet 25 of 29.

PROFESSIONAL DESIGN FIRM LICENSE #184-001084



Hanson Professional Services Inc.

JOB NO. 07S2026	SHEET NO. 20
DATE	29 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	144(B-1, B-2)	Mason	351	127
		CONTRACT NO. 72A76		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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LAYOUT	MNM	11/06/08
DRAWN	Rod	12/11/08
REVIEWED	TEH	12/19/08