



**PIERS
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h5(E)	192	#5	33'-4"	—
h6(E)	4	#5	30'-0"	—
p(E)	24	#7	34'-4"	—
p1(E)	4	#7	10'-0"	—
u3(E)	12	#6	7'-1"	U
u4(E)	96	#5	5'-10"	U
u5(E)	60	#5	6'-11"	U
s(E)	117	#5	13'-1"	□
v4(E)	264	#5	26'-0"	—
Concrete Removal		Cu. Yd.	201.0	
Concrete Structures		Cu. Yd.	379.2	
Reinforcement Bars, Epoxy Coated		Pound	18,470	
Furnishing Steel Piles HP 14x117		Foot	1474	
Driving Piles		Foot	924	
Test Pile Steel HP 14x117		Each	2	
Braced Excavation		Cu. Yd.	111.4	

BAR LAPS
#5 bars = 1'-8"
#7 bars = 3'-5"

PILE DATA
Type: HP 14x117
Nominal Required Bearing: 383 Kips
Allowable Resistance Available: 128 Kips
Est. Length: 61'
No. Production Piles: 11
No. Test Piles: 1

**PIER #1
STRUCTURE NO. 022-6930**

V3 Companies of Illinois Ltd.
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
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Pile Removal Cost Included with Concrete Removal

NOTES
Space reinforcement in cap to miss anchor bolts.
For details of piles, see sheet 24 of 29.
See Sheet 23 of 29 for Section A-A and End Elevation.
The existing pier will be removed and paid for as Concrete Removal.

SHEET NO. 22	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2651	07-00083-00-BR	DUPAGE	50	36
29 SHEETS	CONTRACT NO. 63601				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					