



PILE DATA

Type: Steel HPI2x53
 Nominal Required Bearing: 419 kips
 Factored Resistance Available: 230 kips
 Est. Length: 23 ft
 No. Production Piles: 15
 No. Test Piles: 1

- Notes:
- ① Pour steps monolithically with cap.
 - ② For details of piles, see sheet 50 of 62.
 - ③ Space reinforcement in cap to miss anchor bolts.
 - ④ For details of Bar Splicers, see sheet 51 of 62.
 - ⑤ Indicated pile shall be driven during Stage I construction.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
h1(E)	44	#6	20'-1"	—	
n2(E)	176	#6	7'-4"	—	
p4(E)	24	#8	20'-1"	—	
s3(E)	42	#5	12'-7"	□	
t1(E)	71	#7	10'-8"	—	
t2(E)	46	#6	10'-8"	—	
u1(E)	8	#6	12'-9"	—	
u3(E)	22	#6	12'-3"	—	
v13(E)	176	#6	12'-2"	—	
w1(E)	60	#5	22'-2"	—	
Structure Excavation				Cu. Yd.	109
Concrete Structures				Cu. Yd.	111.6
Reinforcement Bars, Epoxy Coated				Pound	12,550
Furnishing Steel Piles HPI2x53				Foot	345
Driving Piles HPI2x53				Foot	345
Test Pile Steel HPI2x53				Each	1



USER NAME =	DESIGNED - JAD	REVISED
PLOT SCALE =	CHECKED - SUN	REVISED
PLOT DATE =	DRAWN - DBB	REVISED
	CHECKED - SUN	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 2 DETAILS
STRUCTURE NO. 048-0100

F.A.P. RTE. 626	SECTION (44-B-1)BR	COUNTY KNOX	TOTAL SHEETS 122	SHEET NO. 74
				CONTRACT NO. 68759
ILLINOIS FED. AID PROJECT				

SHEET NO. 44 OF 62 SHEETS