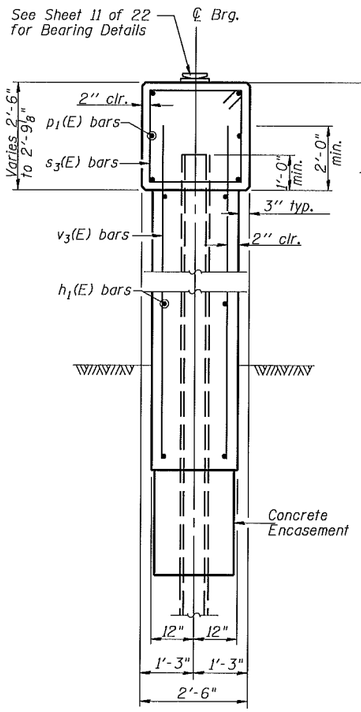
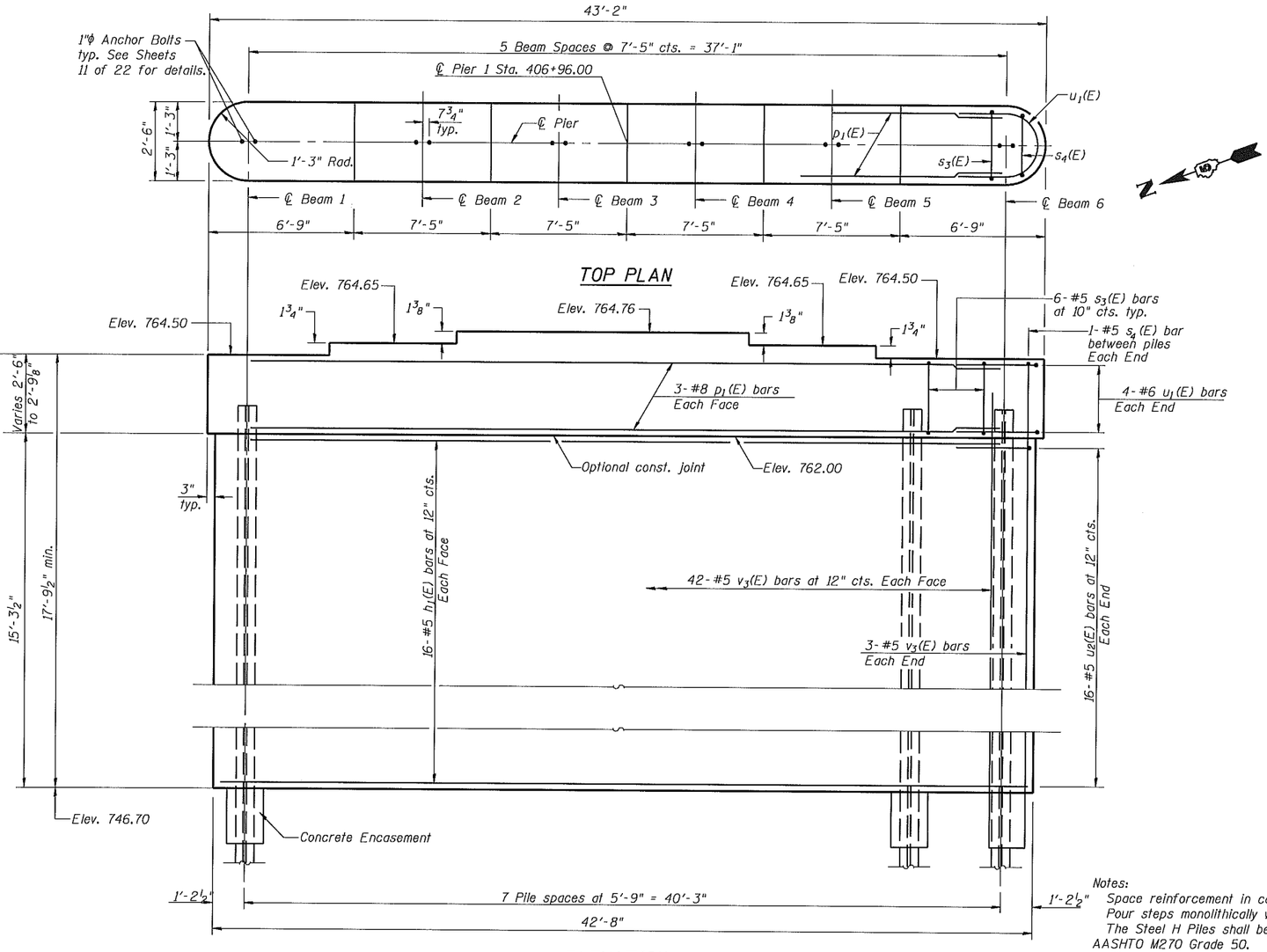
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 6406	I(BR-2)	MCLEAN	74	38
FED. ROAD DIST. NO. 8	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 14
22 SHEETS

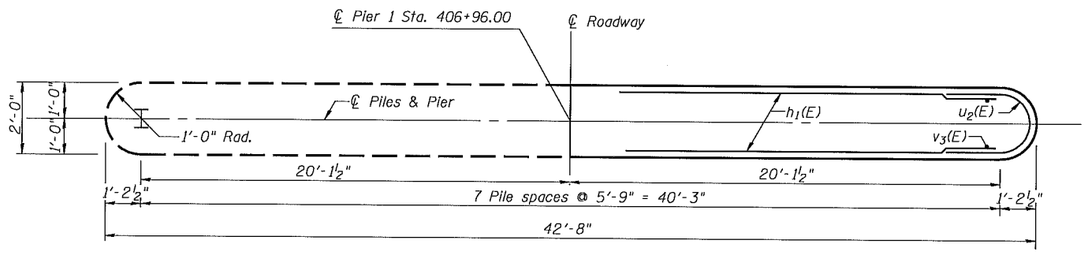
Contract #70517



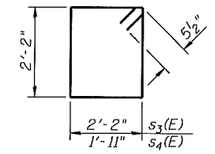
END VIEW



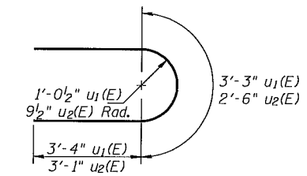
ELEVATION
(Looking East)



PILE LAYOUT & PIER PLAN



BAR s_3(E) & s_4(E)



BARS u_1(E) & u_2(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h_1(E)	32	#5	40'-8"	——
p_1(E)	6	#8	40'-8"	——
s_3(E)	42	#5	9'-7"	□
s_4(E)	2	#5	9'-1"	□
u_1(E)	8	#6	9'-11"	⊃
u_2(E)	32	#5	8'-8"	⊃
v_3(E)	90	#5	17'-2"	——
Structure Excavation			Cu. Yd.	81.9
Concrete Structures			Cu. Yd.	58.3
Reinforcement Bars, Epoxy Coated			Pound	4470
Furnishing Steel Piles, 12x53			Foot	483
Driving Piles			Foot	483
Test Pile, HP 12x53			Each	1
Concrete Encasement			Cu. Yd.	2.8
Underwater Structure Excavation Protection, Location 2			Each	1

Notes:
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
The Steel H Piles shall be according to AASHTO M270 Grade 50.
The Test Pile shall be driven to 110 percent of the nominal required bearing indicated in the Pile Data information.
For details of piles and concrete encasement see sheet 17 of 22.
If a portion of the pier wall or concrete encasement is under water, reinforcement may be placed underwater into forms. Concrete shall be tremied according to Article 503.08 of the Standard Specifications to an elevation of 1'-0" above the water line at the time of construction.

PILE DATA

Type: Steel HP 12x53
Nominal Required Bearing: 419 kips
Allowable Resistance Available: 140 kips
Est. Length: 69 ft.
No. Production Piles: 7
No. Test Piles: 1

PIER 1
US. ROUTE 150
OVER KICKAPOO CREEK
FAU ROUTE 6406 SECTION 1(BR-2)
MCLEAN COUNTY
STATION 407+23.50
STRUCTURE NO. 057-0246