

**GENERAL NOTES**

- Concrete Structures shall be used throughout except in the deck beams.
- See Sheet 24-25 for Boring Logs.
- BenchMark - Station 47+00 - 6' LT - Chiseled "□" in NW corner of Box Culvert Headwall - Elev 366.72

**DESIGN SPECIFICATIONS**

1996 AASHTO & INTERIMS  
HS20 - 44 Loading, Load Factor Design.

Route	Section	County	Total Sheets	Sheet No.
TR 225	04-06116-00-BR	Saline	25	6
HARRISBURG TOWNSHIP-INGRAM HILL RD. BRIDGE				

Contract No. 99238

**WATERWAY INFORMATION**

Drainage Area = 228 Sq. Mi.		Low Grade Elev. = 350.6							
Flood	Freq. (year)	Q (cfs)	Opening (sq ft)		Natural HWE	Head (ft)		Headwater Elev	
			Exist	Prop		Exist	Prop	Exist	Prop
Design	15	9807	1328	3158	349.41	1.40	1.16	350.81	350.57
Base	100	14314	1328	3158	352.70	1.69	1.31	354.39	354.01
Overtopping	-	-	-	-	-	-	-	-	-
Max. Calc.	500	17723	1328	3158	354.81	2.22	1.34	357.03	356.15

**TOTAL BILL OF MATERIAL**

ITEM	Unit	Super.	Substructure		Total
			Piers	Abuts.	
Removal of Existing Structures	Each	1			1
Concrete Structures	Cu Yd		13.0	19.4	32.4
P.P. Con. Dk. Bm. 27" Dp.	Sq Ft	4320			4320
Steel Railing, Type S1	Foot	360			360
Reinforcement Bars	Pound		1140	2100	3240
Furnish Steel Piles HP 12x63	Foot		1068	712	1780
Drive Steel Piles	Foot		1068	712	1780
Name Plate	Each	1			1
Concrete Encasement	Cu Yd		41.9	2.7	44.6

**NOTE:**

The Article or Section numbers referencing the Standard Specifications for Road and Bridge Construction as shown on the standard bridge plan sheets included with the contract plans should be interpreted as referring to the current edition of the Standard Specification (Adopted January 1, 2002) as shown in the "Article/Section No. Reference Table".

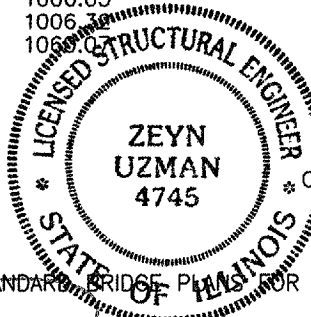
**ARTICLE/SECTION NO. REFERENCE TABLE**

Previous No.	Current No.
504.06	504.06
505.04	505.04
706.05	1006.05
706.32	1006.32
760.07	1060.07

**LETTERING FOR NAME PLATE**

SEC. 04-06116-00-BR  
STR. NO. 083-3231  
ENOCH HALL BRIDGE  
BUILT 2006  
SALINE COUNTY  
LOADING HS20

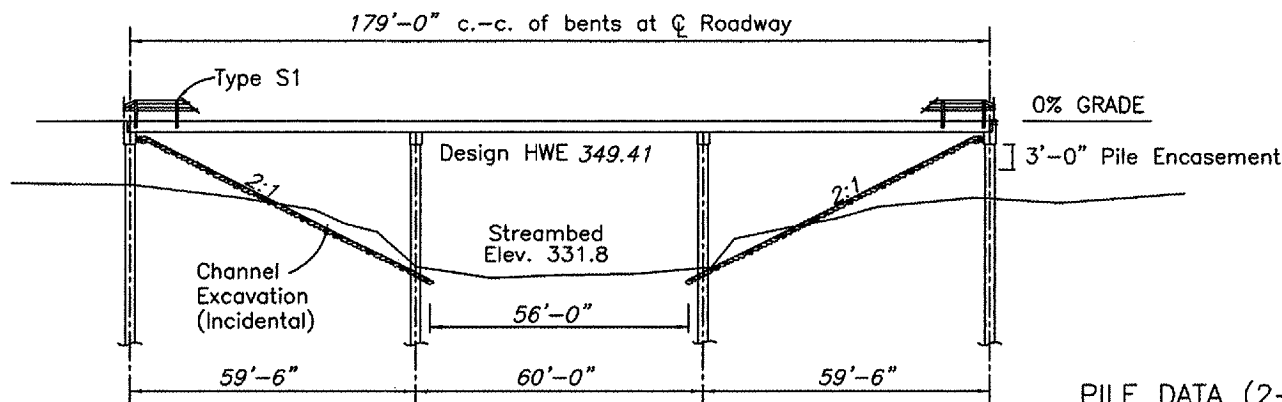
LOCATE NAME PLATE AT SOUTHWEST CORNER OF BRIDGE (SEE STANDARD CN)



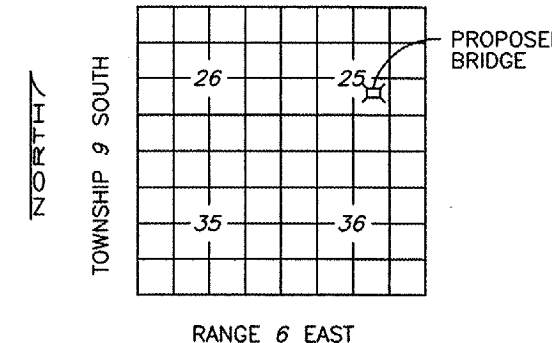
I CERTIFY THESE STANDARD BRIDGE PILES FOR FOUNDATION TREATMENT ONLY

ZEYN UZMAN  
DATE

**ELEVATION**



**LOCATION SKETCH**



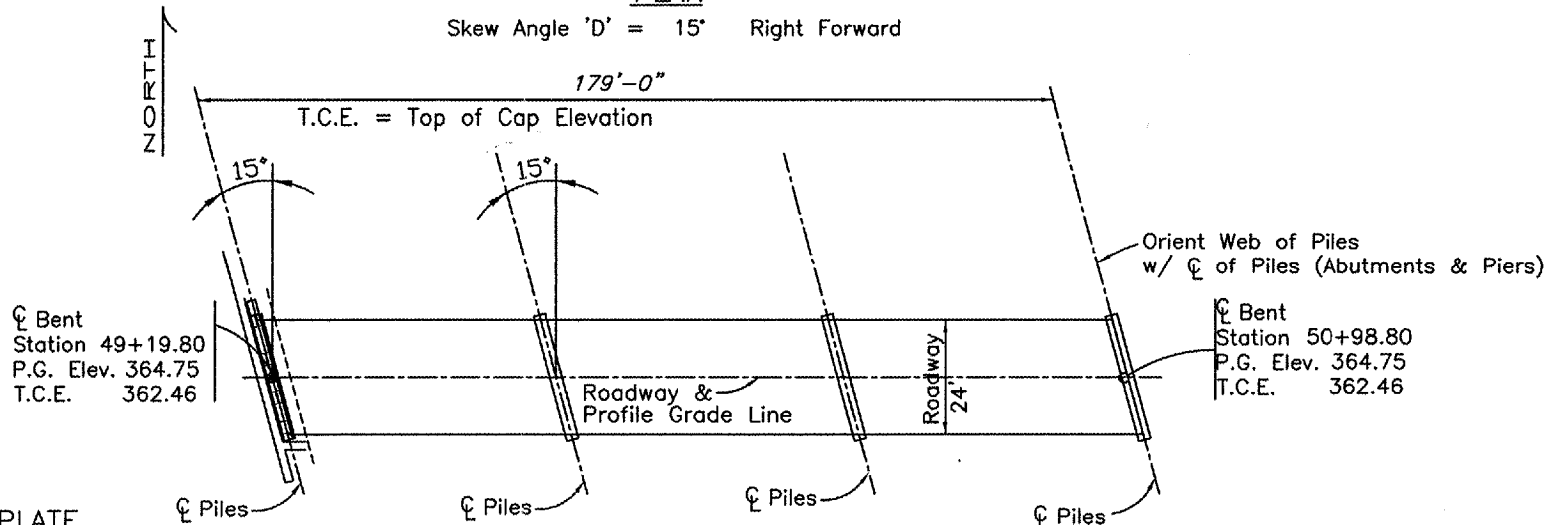
**PILE DATA (2-PIERS)**

TYPE	HP 12x63
CAPACITY	REFUSAL
ESTIMATED LENGTH	89 FT EACH
NUMBER REQUIRED	12

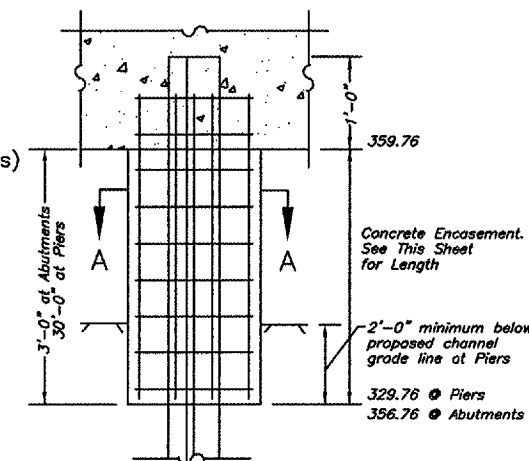
**PILE DATA (2-ABUTS.)**

TYPE	HP 12x63
CAPACITY	REFUSAL
ESTIMATED LENGTH	89 FT EACH
NUMBER REQUIRED	8

**PLAN**

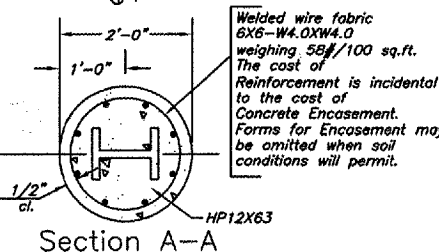
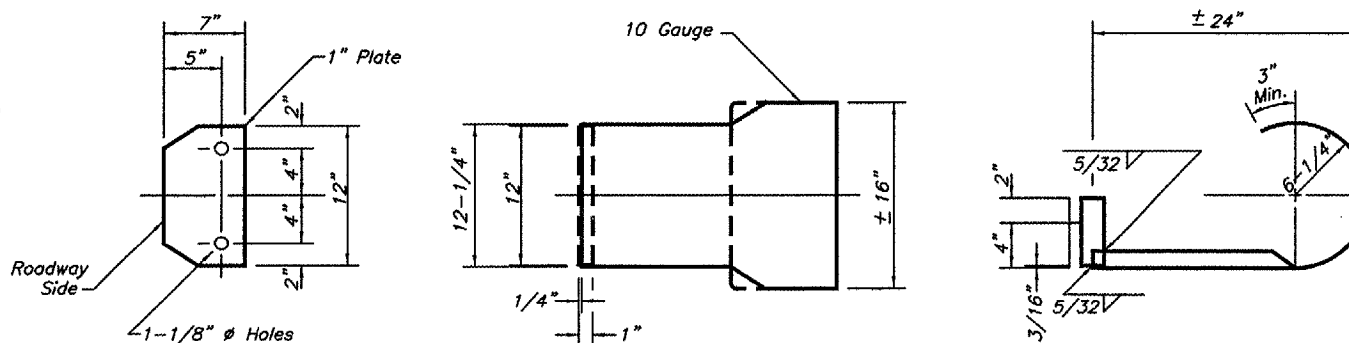


**DETAIL OF HP PILE ENCASEMENT**



**CURLED END SECTION DETAILS**

Note: Curled End Sections Shall Be Incidental To The Contract Price.



**GENERAL PLAN & ELEVATION**

TOWNSHIP RD 225 - INGRAM HILL ROAD  
SALINE COUNTY-HARRISBURG TOWNSHIP  
SECTION 04-06116-00-BR  
STATION 50+09.30