

Existing Structure, Str. No. 013-3083: Single span steel pony truss bridge with timber deck and concrete abutments and wingwalls. 50^{-0} Long x 14^{-0} wide. No Skew. (No salvage. See Special Provisions)

ROUTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
TR 179	85-09110-01-BR		CLAY	9	6	
FED. ROAD	DIST. NO. 7	ILLINOIS	FED. AID PRO	ROJECT		
		•	00150405 10 05450			

CONTRACT NO. 95450

BILL OF MATERIALS (BRIDGE ONLY)

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu Yd	-	201	201
Porous Granular Embankment	Ton	-	46	46
Stone Dumped Riprap, Class A4	Тол	-	126	126
Removal of Existing Structures	Each	-	1	1
Concrete Structures	Cu Yd	-	18.2	18.2
PPCDB (33" Depth)	Sq Ft	1948	-	1948
Reinforcement Bars	Pound	-	2980	2980
Steel Railing, Type S-1	Foot	165	-	165
Furnishing Steel Piles HP14x73	Foot	-	150	150
Driving Steel Piles	Foot	-	150	150
Test Pile Steel HP14x73	Each	-	2	2
Name Plates	Each	-	1	1
Terminal Marker - Direct Applied	Each	4	~	4
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GENERAL NOTES

Reinforcement bars shall conform to the requirements of AASHTO M-31, M-42, or M-53 grade 60.

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

Channel excavation shall be excavated as shown within the limits of the proposed bridge, then tapered to the existing channel at the ROW line. If the Engineer deems the material satisfactory, it may be used to construct the tradium achievements of the statement roadway embankmeni

See Specifications for Soil Borings.

Do not scale these drawings.

See Section 502 of the Standard Specifications for Structural Excavation.

The Contractor shall drive one (1) Steel HP14x73 Test Pile in a permanent location at both the East and West abutments as directed by the Engineer before ordering the remainder of the piles.

The Contractor is hereby advised that very stiff soils will be encountered prior to the location of anticipated refusal. See the Soil Borings for further information.

In addition to all other requirements of Section 512 of the Standard Specifications, splices for Steel H-piles shall develop the full capacity of the steel's cross sectional area of the pile for tension, shear and bending forces. One approved method of achieving this requirement is full penetration but welding of the entire cross section. Other types of splices meeting the full capacity requirement may be allowed subject to the approval of the Engineer. Any proposal by the Contractor to use an alternate splice method must include adequate documentation demonstrating that the full tension, shear and bending capacities will be end. Appropriate welder qualifications will be required for the positions and processes used in splicing all piles. Nondestructive testing of completed welds will be limited to visual inspection. of completed welds will be limited to visual inspection.

