

## TOTAL BILL OF MATERIAL

	ITEM	UNIT	SUB	SUPER	TOTAL
	Channel Excavation	Cu. Yd.	1,515	***********	1,515
*	Porous Granular Embankment	Ton	676		676
*	Stone Riprap, Class A5 (Special)	Ton	360		360
*	Removal of Existing Structures No. 2	Each			1
	Structure Excavation	Cu. Yd.	1,693		1,693
	Concrete Structures	Cu. Yd.	362.5	14.8	377.3
	Concrete Superstructure	Cu. Yd.		121.2	121.2
	Bridge Deck Grooving	Sq. Yd.		418	418
**	Protective Coat	Sq. Yd.		493	493
*	Floor Drains (Special)	Each		12	12
	Stud Shear Connectors	Each	960	3,714	4,674
*	Cleaning and Painting Steel Bridge	L. Sum		1	1
*	Containment and Disposal of Lead	L. Sum		1	1
	Based Cleaning Residues				_
	Reinforcement Bars	Pound	12,590		12,590
	Reinforcement Bars, Epoxy Coated	Pound	39,980	38,070	78,050
	Furnishing Steel Piles HP 14x89	Foot	4,428		4,428
†	Driving Piles	Foot	4,428		4,428
t t	Test Pile Steel HP 14x89	Each	2		2
,	Name Plates	Each		1	1
	Preformed Joint Strip Seal	Foot		24	24
	Anchor Bolts, 1 <sup>l</sup> <sub>4</sub> "	Each		12	12
	Geocomposite Wall Drain	Sq. Yd.	249		249
*	Steel Bearing Assembly	Each		4	4
*	Underwater Structure Excavation	Each	1		1
	Protection - Location 1		,		,
ļ	Underwater Structure Excavation	Each	1		1
	Protection" - Location 2				
*	Fixed Hinge Pin Assembly	Each		4	4

\* See Special Provisions.

\*\*\* Includes Deck, Approach Pavement, and Top & Inside Face of Curb only.

## GENERAL NOTES:

Total weight of Steel Bearing Assemblies = 1,990 lbs.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. The structural steel plates of the bearing assembly shall conform to the requirements of ASTM A 706 Gr 50. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated,

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the the steel and the cost will be included in the pay item covering removal of the existing concrete. As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant festing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding \(^1\) inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project. Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

Cleaning and painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All existing steel shall be cleaned per Near White Blast Cleaning - SSPC-SP10. All existing steel shall be painted according to the requirements of Paint System 1 - OZ/E/U. The color of the final coat for all steel surfaces shall be Reddish Brown, Munsell No.

Contractor shall field weld end plate at four corners of historic truss railing of same size & thickness as plate located on Traffic Barrier Terminal Type 5A. Cost incidental to "Traffic Barrier Terminal Type 5A".

GENERAL PLAN AND ELEVATION T.R. 271A OVER WEST BUREAU CREEK SECTION 05-00195-00-BR BUREAU COUNTY STA, 60+00 S.N. 006-4376

WHA JOB NUMBER

1066D05



CONSULTING ENGINEERS 809 East Second Street Dixon, Illinois 61021
Phone 815.294.3381 Fex 815.294.3385
Design Firm #184-00918
www.willetthofmann.com

nate: 2/10 TOTAL SHEE SHEETS NO. COUNTY BUREAU 127 114 CONTRACT NO. 87380

Designed By:

M. A. Small

Date: 2/10

hecked By:

Date: 2/10

rawn By: D. Lachat

B. K. Converse

STRUCTURAL SHEET NO. 10 OF 13C SHEETS

SECTION 188 05-00195-00-BR ED. ROAD DIST. NO. 7 | ILLINOIS FED. AID PROJECT BRS-0188(118)