

322 895.73 0.02 0.00 895.75 895.7

10 Year Velocity through Proposed Bridge = 1.7 fps

672 323

10 Year Velocity through Existing Bridge = 1.7 fps

Max. Calc. 500 869 381 380 896.65 0.02 0.00 896.67 896.6

Overtopping

*LOADING HL-93* 

Design Specifications: 2007 AASHTO LRFD

with all applicable interims.

future wearing surface.

50#/Sq. Ft. included in dead load for

CHECKED - A.S.L

DRAWN - D.A.B.

CHECKED - S.W.M.

## GENERAL NOTES

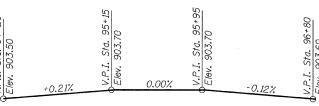
Layout of riprap may be varied in the field to suit ground

conditions as directed by the Engineer.

The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at West Abutment or approved by the Engineer before ordering the remainder of piles.
Reinforcement bars shall conform to the requirements of ASTM A
706 Gr 60 (IL Modified). See Special Provisions.
Reinforcement bars designated (E) shall be epoxy coated.

Excavation required to construct the Abutments shall be included in the cost of Concrete Structures. No additional compensation will

All proposed construction activities shall be in accordance with Nationwide Permit number 14 of the Department of the Army authorized under Section 404 of the Clean Water Act. The IEPA has issued Section 401 Water Quality Certification for this activity. See Special Provisions for conditions. See sheets 31 & 32 for Borings.



PROFILE GRADE

## TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.		85	85
Stone Riprap, Class A4 (Special)	Ton		245	245
Filter Fabric	Sq. Yd.		320	320
Removal of Existing Structures	Each	,		1
Concrete Structures	Cu. Yd.		49.0	49,0
Concrete Superstructure	Cu. Yd.	86.1		86.1
Bridge Deck Grooving	Sq. Yd.	417		417
Concrete Encasement	Cu. Yd.		4.0	4.0
Protective Coat	Sq. Yd.	457		457
Precast Prestressed Concrete Deck Beams (33" Depth)	Sq. Ft.	2,220		2,220
Reinforcement Bars, Epoxy Coated	Pound	26,600	3,580	30,180
Bar Splicers	Each	62		62
Steel Railing, Type SM	Foot	146		146
Furnishing Steel Piles HP12x53	Foot		605	605
Driving Piles	Foot		605	605
Test Pile Steel HP12x53	Each		1	1
Name Plates	Each		1	1
Geocomposite Wall Drain	Sq. Yd.		42	42
Pipe Underdrains For Structures 4"	Foot		126	126
Concrete Wearing Surface, 5"	Sq. Yd.	247		247

GENERAL PLAN AND ELEVATION STRUCTURE NO. 045-6302

HAMPTON, LENZINI & RENWICK, INC. STRUCTURAL ENG LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 ROJECT NUMBER: 08.0043.130 DATE: 01/07/10

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	FAS	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
	132	132 07-00358-00-BR			KANE	33	20
DAMISCH ROAD OVER TYLER CREEK					CONTRACT	NO. 63	444
	FED. RO	DAD DIST. NO.	ILLINOIS	FED. A	ID PROJECT		