

I d br: sh th cu

	ROUTE NO.	ROUTE NO. SECTION		COUNTY		SHEET NO.
	T.R. 297	07-06117-00-BR	MAR	TON	12	4
	FEDERAL A	ID PROJECT	ILLINOIS	PROJEC	T .	
		·		CONTRA	CT NO.	
BILL OF M	ATERIAL	- BRIDGE	ONLY			

Item	Unit	Super	Su Piers	ib. Abuts.	Total
0			1 101 3	Abura.	
Removal of Existing Structures	Each				1
Concrete Structures	Cu. Yd.			16.6	16.6
Precast Prestressed Concrete Deck	Sq. Ft.	984			984
Beams (17" Depth)					
Steel Railing, Type S1	Foot	82		1.1	82
Reinforcement Bars	Pound			2240	2240
Furnishing Steel Pile HP 10x42	Foot			455	455
Driving Piles	Foot			455	455
Test Pile Steel HP 10x42	Each			1	1
Name Plates	Each			1	1
Concrete Encasement	Cu. Yd.			2.1	2.1

## GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Grade 60 (IL Modified). See Supplemental Specifications.

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

See Section 502 of the Standard Specifications for Structural Excavation.

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 roadway embankment.

See Special Provisions for Soll Borings.

Do not scale these drawings.

The Steel H-plies shall be according to AASHTO M270 Grade 50.

The contractor shall drive 1 test pile, as specified, in a permanent location as directed by the Engineer before ordering the remaining piles.

The abutment bearing seat surfaces for the precast prestressed concrete deck beams shall be adjusted by shimming to assure firm and even bearing. As required,  $\frac{1}{9}$ " fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing. The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products.

A corrosion inhibitor shall be used in the concrete for the precast prestressed concrete deck beams, according to Article 1020.05(b)(12) and 1020.06 of the Standard Specifications.



Date of License [1-30-2012

Date: 09-13-2011
signature: William O. Juckmy
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I certify that to the best of knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and compiles with requirements of the current AASHTO Standard Specifications for Highway Bridges.

		GENERAL PLAN & ELEVATION
		TR 297 JOHNS BRANCH
RED FOR: COM 705482	Date: 08/15/2011 Design: WDL Drawn: JSD Job No.: 51010	SECTION 07-06117-00-BR MARION COUNTY STATION 49+96