

Drainage Area = 5.1 Sq. Ml. Low Grade Elev. 459.59 • Sta. 46+00									
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater Elev Ft.	
		6.7.3.	Exist.	Prop.	Ft.	Exist.	Prop.	Exist.	Prop.
Design	15	1392	317	353	458.94		1.20		460.14
Base	100	2269	317	353	459.52		1.36		460.88
Overtopping	1								
Max. Calc.				18 /					



ROUTE NO.	SECTION	couw	ΓY	TOTAL SHEETS	SHEET NO.	
С.Н. Ю	08-00118-00-BR	FAYE	TTE	12	4	
FEDERAL AID PROJECT		ILLINOIS	PROJECT	r		

CONTRACT NO. 95662

BILL OF MATERIAL (BRIDGE ONLY)

Item	Unit	Total
Removal of Existing Structures	Each	1
Concrete Structures	Cu. Yd.	25.8
Precast Prestressed Concrete Deck Beams (27" Depth)	Sq. Ft.	2100
Steel Railing, Type SI	Foot	140
Reinforcement Bars	Pound	3140
	Foot	631
Driving Piles	Foot	631
Test Pile Metal Shells	Each	1
Name Plates	Each	1
Concrete Encasement	Cu. Yd.	6.6

GENERAL NOTES

The Contractor shall drive test pile to 110% of the Nominal Required Bearing specified in a production location at the substructure location specified or approved by the Engineer before ordering the remainder of piles.

See Special Provisions for boring logs.

A Calcium Nitrite Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.

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 roadway embankment.

Do not scale these drawings.

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, l_{g} " fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing.

> 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 complies with requirements of the current AASHTO Standard Specifications for Highway Bridges.



William D. hickmy William D. Lueking

05-18-2011 Date of Signing

<u>11-30-2012</u> Date of License Expiration

		GENERAL PLAN AND ELEVATION
		FAS 720 (C.H. 10) OVER MUDDY CREEK DITCH
ED FOR: OM 7894	Date: 04/07/2011 Design: MRQ, WDL Drawn: JSD Job No.: 51410	SECTION 08-00118-00-BR FAYETTE COUNTY STRUCTURE NO. 026-3451