

ROUTE NO. SECTION COUNTY 17 IROQUOIS ILLINOIS PROJ. BROS-075(125)

CONTRACT NO. 87288

GENERAL NOTES

See sheets 10 & 11 for Boring data.

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

The Contractor shall drive one steel test pile in a permanent location at the West abutment and at Pier #2 as directed by the Engineer, before ordering the remainder of piles.

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

Aggregate Surface Course, Ty. B shall be used to backfill behind each abutment as indicated by the Engineer. The additional quantity of CA-10 is included in the total quantity for Aggregate Surface Course, Ty. B. (See Special Provisions),

> LANGAN CREEK BUILT 200_ BY CHEBANSE ROAD DISTRICT IROQUOIS COUNTY SEC. 01-07125-00-BR F.A. PROJ. BROS-075(125) STR. NO. 038-3653 LOADING HS20

LETTERING FOR NAME PLATE

See Std. 515001

TOTAL BILL OF MATERIAL

3,180	46.4 5,400 1 360 360	3,180 46,4 5,400 213 1 360 360
213	5,400 1 360	5,400 213 1 360
213	1 360	213 1 360
213		1 360
		
		
	360 1	360
	1	1
		} I
	1	1
	302	302
	400	400
	34.4	34.4
	128	128
4		4
	1	1
	1	1
	4	34.4 128

"I certify that to the best of my 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'". Tree 1. Stap (3-22.05) ILLINOIS STRUCTURAL NO. 2934 (Expires 11/30/06)



GENERAL PLAN & ELEVATION

SECTION 01-07125-00-BR CHEBANSE ROAD DISTRICT IROQUOIS COUNTY STATION 15+04

4440 ASH GROVE SPRINGFIELD, IL. 6271 (217) 793-8600 oasinc@famvid.com

OZYURT AND STONE, INC. CONSULTING ENGINEERS

JOB NO.: 0230.5 FILE: GPE.DGN DATE: 05/12/04

Drainage Area ___ _____ 70.48 Sq. Mi.

Note: The Office of Water Resources has issued Permit No. DS2004045 for construction of

Cr. El. 200.50

See Sheet 8 for Name Plate Location

this project.

Existing Opening (15 Yr.) _____ 692 Sq. Ft. Required Opening (15 Yr.) _____ 765 Sq. Ft. Proposed Opening (15 Yr.) 765 Sq. Ft. Design Discharge (15 Yr.) _____ 1488 C.F.S. Created Head (15 Yr.) _____ 0.0 Ft. 100 Year Discharge _____ 2126 C.F.S. 100 Yr. Created Head _____ 0.0 Ft.

WATERWAY INFORMATION

DESIGN STRESSES

Survey &

PLAN

© Bridge Sta. 15+04

f'_c = 5,000 p.s.l. (Prestressed Beams) for = 4,000 p.s.i. (Prestressed Beams) fc = 1,400 p.s.l. (Concrete) f's = 270,000 p.s.i. (Prestressed Strands) $f_{si} = 201,960 \text{ p.s.i.}$ (Prestressed Strands) fs = 24,000 p.s.i. (Reinf. Bars -- Field Units) fy = 60,000 p.s.i. (Reinf. Bars -- Field Units) n = 9 (Concrete)

© East Abut. Sta. 15+56.49 Cr. El. 200.50

LOADING HS20-44 Design Specifications: 2002 AASHTO 25#/Sq. Ft. included in dead load for future wearing surface.

STANDARDS\GENERAL\BPLAN.DGN 1:1 7-17-98

FJS

SFM

KTR

SFM

DESIGNED

CHECKED

CHECKED

DRAWN

© West Abutment ∕ Sta. 14+51.51 Cr. El. 200.50