

WATERWAY INFORMATION TABLE

Route: FAS 1323 (IL 115) S.N. (Exist.): 046-2523
 Section: (102) S.N. (Prop.):
 County: Kankakee Waterway: Branch of East Branch of Horse Creek
 Prepared by: IDOT (SAF) Date: 11/2/2009

Drainage Area =	0.42 Sq Mi	Exist. Low Grade El. = 666.7 @ Sta. 4+00	Prop. Low Grade El. = 666.7 @ Sta. 4+00						
FLOOD	FREQUENCY (yr.)	Q (cfs)	OPENING - sq. ft.		NAT. H.W.E.	HEAD - ft.		HEADWATER EL.	
			Exist.*	Prop.*		Exist.	Prop.	Exist.	Prop.
	10	74	18	24	664.9	0.8	0.5	665.7	665.5
Design	50	111	18	24	665.1	1.9	1.7	667.0	666.8
Base	100	125	18	24	665.2	1.9	1.7	667.1	666.9
Overtopping	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Max. Calc.	500	159	18	24	665.4	1.9	1.8	667.3	667.2

10-year velocity exist 4.1 fps 10-year velocity prop 3.1 fps

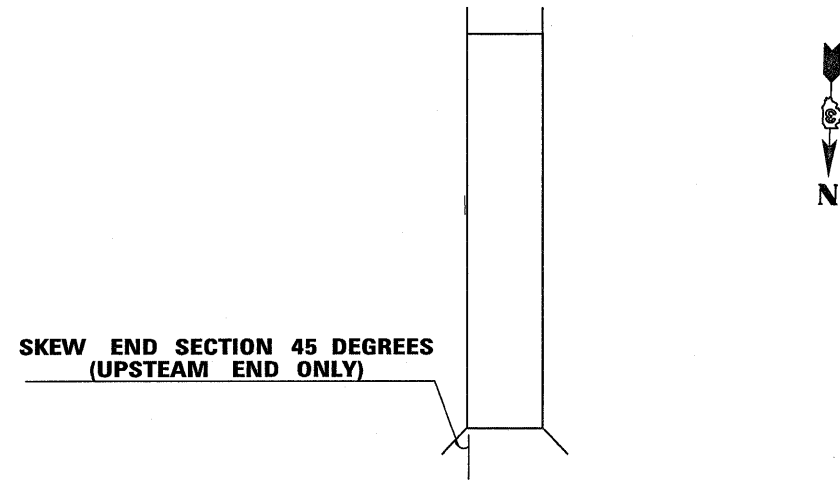
Scope of Work: Total Replacement (Constricted Table)

EXISTING STRUCTURE

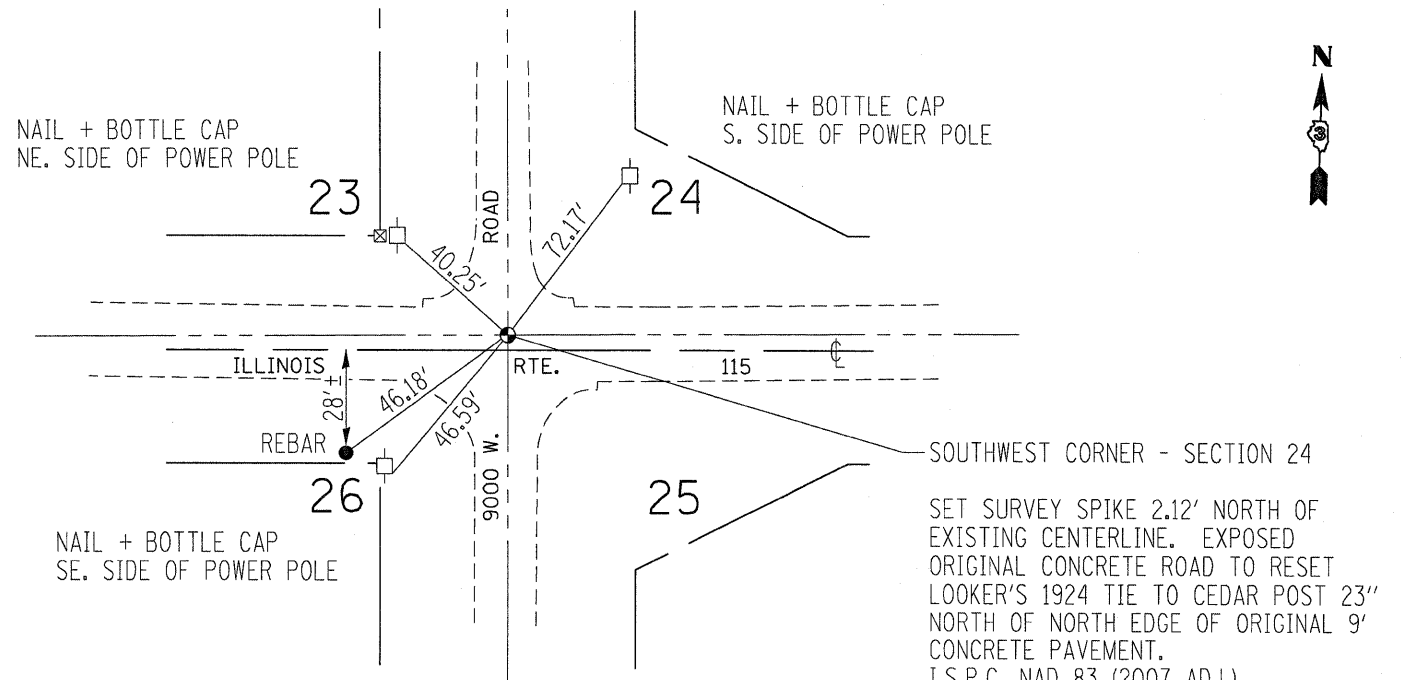
Type: Concrete Box Culvert
 Size: 6' x 3'
 Length: 57' 6" along centerline
 U/S Invert El.: 661.6
 D/S Invert El.: 661.8
 Skew: 6 degrees

PROPOSED STRUCTURE

Type: Concrete Box Culvert
 Size: 8' x 3'
 Length: 36' along centerline
 U/S Invert El.: 661.85
 D/S Invert El.: 661.75
 Skew: 0 degrees



PRECAST BOX CULVERT END SECTION DETAIL



NOTE: A LICENSED SURVEYOR MUST SET AND REGISTER THIS SECTION CORNER WITH THE COUNTY-I INCLUDED IN THE COST OF PERM SURV MARKER

SET SURVEY SPIKE 2.12' NORTH OF EXISTING CENTERLINE. EXPOSED ORIGINAL CONCRETE ROAD TO RESET LOOKER'S 1924 TIE TO CEDAR POST 23' NORTH OF NORTH EDGE OF ORIGINAL 9' CONCRETE PAVEMENT.
 I.S.P.C. NAD 83 (2007 ADJ.)
 N. 1,599,564.05
 E. 1,065,890.36

FILE NAME =	USER NAME = braboygo	DESIGNED -	REVISED -
c:\pwork\pwork\braboygo\d0155828\036986-SHT-PLNPRF-355-361.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GENERAL DETAIL SHEET

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1323	(102)	KANKAKEE	11	7
CONTRACT NO. 66986			ILLINOIS FED. AID PROJECT	