

TOTAL BILL OF MATERIAL

Item	Unit	Quantity
xisting Structures No. 2	Each	1
Culverts	Cu. Yd.	364.6
' Bars	Pound	63240
Bars, Epoxy Coated	Pound	2020
el Piles HP 12x53	Foot	504
	Foot	504
el HP 12x53	Each	2
	Each	1
il Retention System	Sq. Ft.	883
Indation	Ton	370
	Each	109
ert Backfill	Cu. Yd.	1560
oring	Each	1

WATERWAY INFORMATION

1 = 1.15 Sq. Mi. Ex. Low G					Grade Elev	. = 570.5	• Sta. 219+00		
	Freq.	Q	Opening Sq. Ft.		Nat.	Head - ft.		Headwater El.	
	Yr.	C.F.S.	Exist.	Prop.	H.W.E.	Exist.	Prop.	Exist.	Prop.
	10	507.1	69	94	561 . 98	0.57	0.00	562.55	561.98
	50	839.4	92	114	563.26	0.99	0.00	564.25	563.26
	100	987.6	100	122	563.75	<i>1.18</i>	0.18	564.93	563.93
	-	-	-	-	-	-	-	-	-
	500	1355	120	140	564.88	1.82	0.95	566.70	565.83

GENERAL NOTES

A Precast Box Culvert alternative will not be allowed at this site.

Excavation behind existing abutment walls shall be done before removing the existing superstructure. The Contractor shall sawcut the existing abutments at the stage removal line before Stage I Removal. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60. See Special Provisions.

For backfilling and embankment, see Standard Specifications. Exposed edges shall have standard ${}^{3}_{4}$ " chamfer unless otherwise noted. Removal and replacement of weak soils with Rockfill - Foundation may be required beneath the culvert. The Engineer will determine the required

depth following excavation to plan grade. A ±2.1 ft. void exists between the bottom of the existing bridge and the top of the existing culvert.

At least seven ft. of barrel shall be poured monolithically with the N.W. and

S.E. Wings. Removal of the slab on the existing bridge creates an unstable condition for the existing abutment walls. The primary vertical reinforcement is in the face of the wall closest to the stream. Bracing of the walls or excavation prior to Stage I Removal will be necessary to prevent collapse.

DESIGN SPECIFICATIONS 2002 A.A.S.H.T.O. Specifications LOADING HS 20-44 Allow 50#/Sq. Ft. for future wearing surface. DESIGN STRESSES FIELD UNITS f'c = 3500 psi fy = 60000 psi (Reinf.)

	<u>IL. R</u> <u>TRIBUTAI</u> <u>F.A.P. ROUTE</u> <u>C.</u> ST	NERAL PLAN OUTE 125 OV RY TO LOST 67 - SECTIC ASS COUNTY A. 217+67.54 N. 009-2507	<u>ER</u> CREEK N (6X-1	<u>1)B-2</u>
F.A.P.	CEOTION		TOTAL	SHEET

ET NO.2	F.A.P. RTE.	SECTION					COUNTY	SHEETS	SHEET NO.
	67	(6X-1_B-2				CASS	71	45	
11 SHEETS						(CONTRACT	NO. 72	875
	FED. R	OAD DIST.	NO.	ILLINOIS	FED.	AID	PROJECT		