MCHENRY COUNTY DIVISION OF TRANSPORTATION

GENERAL NOTES

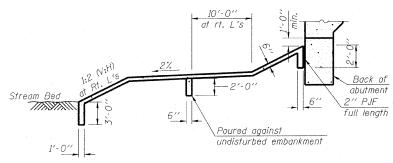
Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

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

Slopewall shall be reinforced with welded wire fabric, 6" x 6" - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.

The Contractor is advised that the existing structure contains members that are in deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the existing structure when developing construction procedures for removal.



SECTION THRU CONCRETE SLOPEWALL

WATERWAY INFORMATION

Drainage Are	ea = 71.5	sq. mi.	Ex.	Low Grad	le Elev. =	822	.57 @	Sta. 216+	83
			Pr. L	ow Grad	le Elev. =	822	.57 @ S	Sta. 216+	83
Flood	Freq.	Q	Opening Sq. Ft.		Nat.	Head - Ft.		Headwater El.	
	Yr.	C.F.S.	Exist.	Prop.	H.W.E.	Exist.	Prop.	Exist.	Prop.
	10	2095	465	499	821.29	0.48	0.46	821.77	821.75
Design	30	2719	495	533	821.56	0.67	0.66	822.23	822.22
	50	3099	509	550	821.69	0.81	0.69	822.50	822.38
Base	100	3983	545	589	821.99	0.85	0.77	822.84	822.76
Max. Calc.	500	5817	597	668	822.60	0.94	0.85	823.54	823.45

10 year velocity through existing bridge = 4.7 fps 10 year velocity through proposed bridge = 4.4 fps

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.		176	176
Stone Riprap, Class A4	Sq. Yd.		250	250
Filter Fabric	Sq. Yd.		250	250
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		402.0	402.0
Concrete Structures	Cu. Yd.		125.2	125.2
Concrete Superstructure	Cu. Yd.	<i>353.3</i>		353.3
Bridge Deck Grooving	Sq. Yd.	876		876
Protective Coat	Sq. Yd.	1023		1023
Furnishing and Erecting Precast Prestressed Concrete I Beams, 42 In.	Foot	883		883
Reinforcement Bars, Epoxy Coated	Pound	89330	10940	100270
Bar Splicers	Each	88		88
Furnishing Metal Shell Piles 14" x 0.312"	Foot		1629	1629
Driving Piles	Foot		1629	1629
Test Pile Metal Shells	Each		2	2
Name Plates	Each	1		1
Geocomposite Wall Drain	Sq. Yd.		94	94
Pipe Underdrains for Structures 4"	Foot		182	182
Slope Wall Removal	Sg. Yd.		190	190
Slope Wall 6 Inch	Sq. Yd.		362	362
Concrete Encasement	Cu. Yd.		7.1	7.1
Underwater Structure Excavation Protection - Location 1	Each		1	1
Steel Railing (Special)	Foot	359		359
Asbestos Bearing Pad Removal	Each	44		44
Pile Shoes	Each		37	37

INDEX OF SHEETS

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Top of South Approach Slab Elevations

Top of North Approach Slab Elevations

Superstructure

Superstructure Details

Diaphragm Details

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13-14 Wyoming 2-Tube Bridge Railing Details

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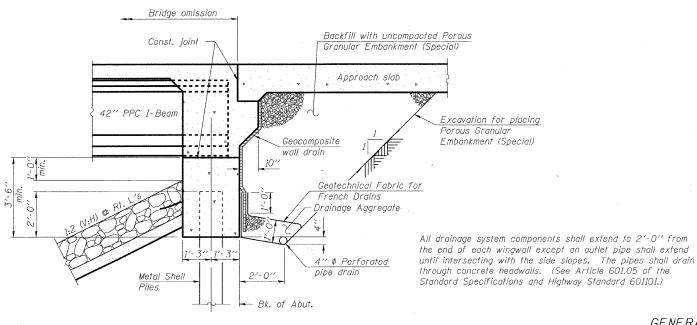
Framing Plan 42" PPC I-Beam 42" PPC I-Beam Details 18 *Abutments*

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Metal Shell Pile Details

Bar Splicer Assembly and Mechanical Splicer Details



SECTION THRU INTEGRAL ABUTMENT

South Abutment Shown North Abutment similar (Horiz. dim. @ Rt. L's)

GENERAL DATA STRUCTURE NO. 056-3178

SHEET NO.2	F.A.S. RTE.	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
	0034	06-00320-02-BR			MCHENRY	65	27
23 SHEETS					CONTRACT	NO. 63	536
	JOB NO.	C-91-140-11	ILLINOIS	FED. A	ID PROJECT B	RS-0034(10	(7)

DESIGNED BLB

CHECKED AS

DRAWN BCD

CHECKED BLB.