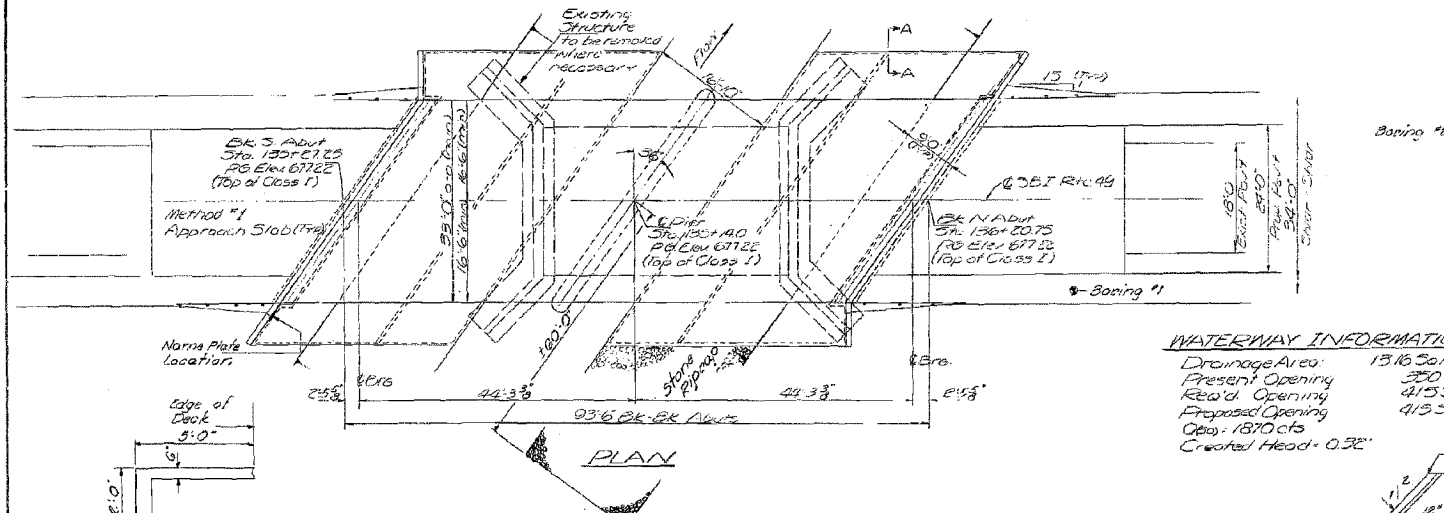
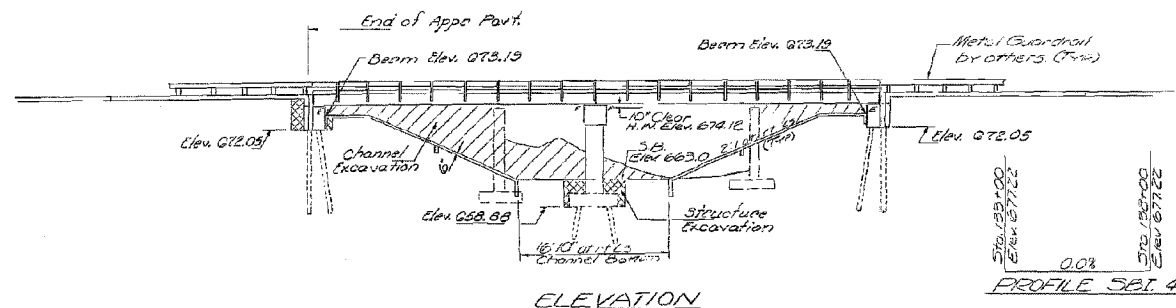




CONTRACT NO. 66647			
FAP RTE	SECTION	COUNTY	TOTAL SHEETS NO.
840	123-BR-1	IROQUOIS	39 27
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

E.M. 2.0 on NW Wingwall of Bridge 123 BR 49 Sta. 123+70.7  
 Elev. 616.65  
 Existing Structure. Built in 1954 on Bridge #2 Superstr. R.C. thru Girders, 43'0" long  
 with Closed Abutts to be removed by Bridge Contractor  
 No Salvage Traffic will be maintained on run-around  
 on West side.

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION



**GENERAL NOTES**

All reinforcement bars shall be 2000 diameter unless otherwise shown.  
 Slope wall shall be reinforced with 1/2" dia. wire fabric 6" x 6" mesh weighting 35# per 100 sq. ft.  
 Layout of slope walls may be varied in the field to suit ground conditions as directed by the Engineer.  
 It shall be the responsibility of the contractor to verify all dimensions and conditions existing in the field prior to construction and starting of traffic.  
 The basic load silica chromate paint system shall be used for two coats of shop painting of structural steel.  
 Expansion guards which are not cast in the concrete unit shall be fabricated and erected in accordance with Article 503.07 (c) of the Standard Specifications and are included in quantity of structural steel.  
 The contractor shall drive two concrete test piles in permanent location, one upon of 50' equipment and pier as directed by the Engineer before starting the remainder of piles.

**TOTAL BILL OF MATERIAL**

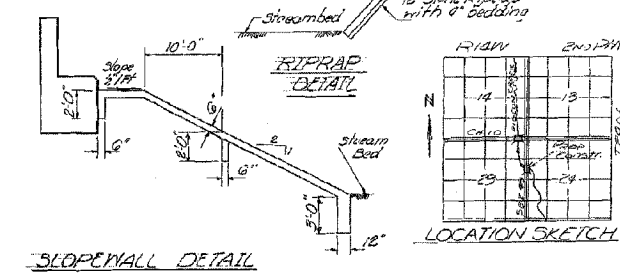
Item	Unit	Super	Sub	Total
Bit Concrete Surf Course Class I	Tons	59		59
Removal of Existing Structures	Each			1
Class X Concrete	Cu. Yds		105.0	105.0
RPC Deck Beams (21')	Sq. Ft	2908		2908
Structural Steel	Lbs	3550		3550
Steel Railing Type S	Lin. Ft	100		100
Reinforcement Bars	Lbs		7050	7050
Name Plates	Each	1		1
Coal Tar Interlayer Protective Coat	Sq. Yds	5.5		5.5
Sigseal "G"	Sq. Yds		656	656
Preformed Joint Sealer (2 1/2")	Lin. Ft	22		22
Pavement Removal	Sq. Yds	81		81
Channel Excavation	Cu. Yds		380	380
Structure Excavation	Cu. Yds		209	209
Concrete Piles	Lin. Ft		380	380
Test Piles Concrete	Each		2	2
Stone Riprap	Sq. Yds		101	101

**WATERWAY INFORMATION**

Drainage Area: 13.16 Sq. Miles  
 Present Opening: 370 Sq. Ft  
 Road Opening: 415 Sq. Ft  
 Proposed Opening: 415 Sq. Ft  
 Obs.: 1870 cfs  
 Created Head: 0.32'

STATION 123+70.0  
 BUILT 19 54  
 STATE OF ILLINOIS  
 S.B.I. RT. 49 SEC. 123 BR

LOADING HS 20  
 NAME PLATES  
 (See Std. 213.1)



**DESIGN STRESSED PRECAST PRESTRESSED UNITS**

FIELD UNITS  
 Fc: 4000 psi Sub  
 Fc: 20000 psi Reinf  
 fc: 75 psi Frags  
 n: 10  
 Allow 25% ball for fut WS  
 Design Specifications 1969  
 AASHTO (as applicable)

PRESTRESSED UNITS  
 Fc: 5000 psi  
 Fc: 4000 psi  
 Fc: 27000 psi 1/2" Strands  
 Fc: 165700 psi 7/8" Strands  
 Initial jacking force per strand shall be 21,700 lbs

DESIGNED: D.A. Rye  
 CHECKED: J.M. Patel  
 DRAWN: J. SCHWELER  
 CHECKED: J.M.P.

EXAMINED: [Signature]  
 PASSED  
 APPROVED

DECEMBER 14 1972

**ESCA CONSULTANTS, INC.**

DESIGNED BY:	MTD	08/06
DRAWN BY:	HAG	08/06
CHECKED BY:	ELH	08/06
APPROVED BY:	RDP	08/06

FOR INFORMATION ONLY

EXISTING STRUCTURE PLANS  
 FAP RTE 840 (IL 49)  
 SECTION 123-BR-1  
 IROQUOIS COUNTY