AS–BUILT PLANS
FOR INFORMATION ONLY

B.M. Cut "b" in N.E. Corner of R.C.C. inspection well on N. side of pump building. 60' Lt. Sta. 908+80. Elev. 667.06

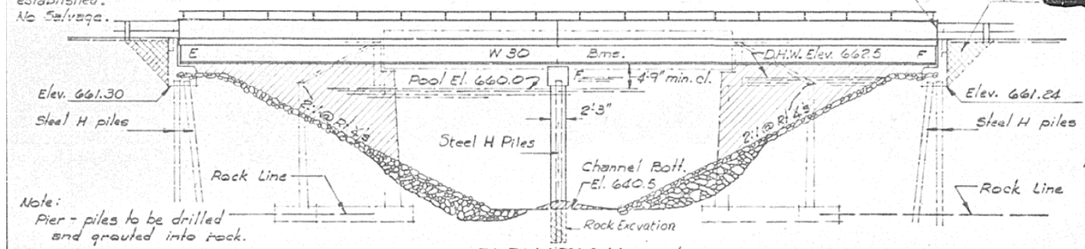
Existing Structure #022-0006 Built in 1915 as Reservoir Bridge over Twin Lakes of the city of Paris at Sta. 911+27.95. ± 40 Ft. long thru plate girder structure on R.C. closed abutments. Existing Structure to be removed as necessary by Bridge Contractor after stage I lanes are constructed and two-way traffic is established.

No Salvage.

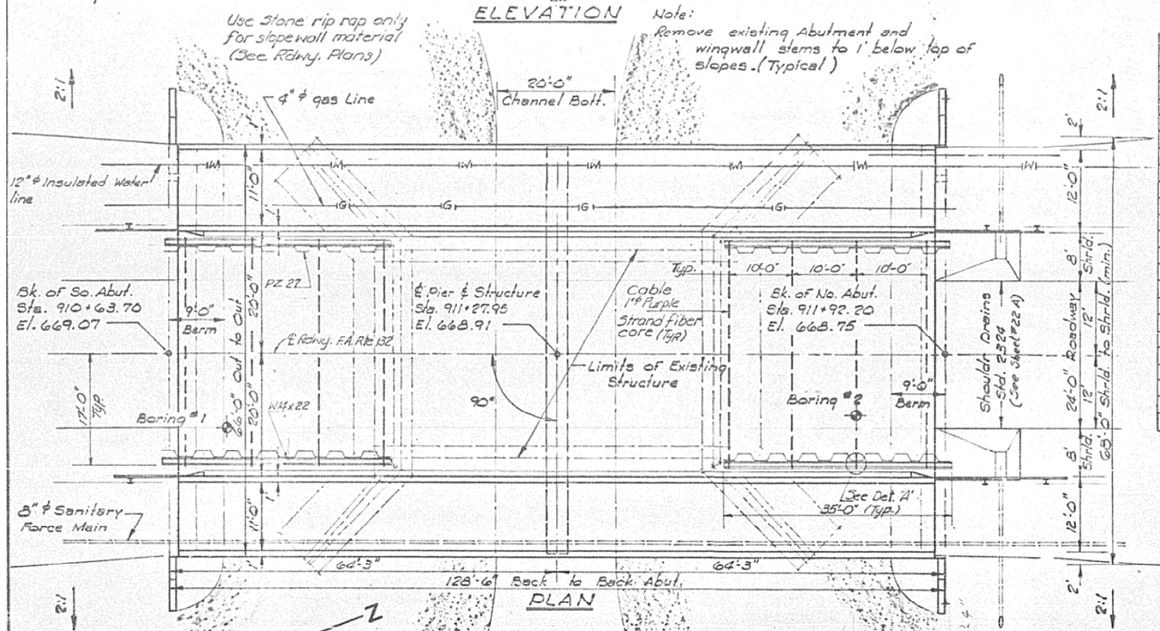
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

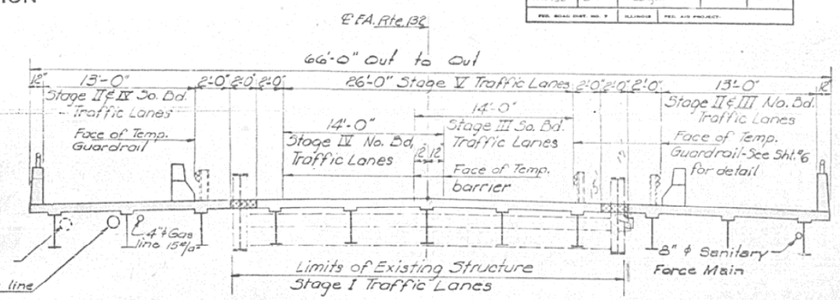
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. F.A. 132	(C-X) BR	Edgar	53	34
FED. ROAD DIST. NO. 9	ILLINOIS	FED. AID PROJECT		

SHEET NO. 1
11 SHEETS



ELEVATION





CROSS SECTION
(Showing Traffic Lanes during Stage Construction)

TOTAL BILL OF MATERIAL

Item		Super.	Sub.	Total
Removal of Existing Structures	Ea.			1
Protective Coat	Sq.Yds.	1141		1141
Class X Concrete	Cu.Yds.	262.4	121.5	383.9
Structural Steel	L.S.	L.S.		96%
Aluminum Railing	Lin.Ft.	252		252
Temporary Guardrail	Lin.Ft.	252		252
Reinforcement Bars	Lbs.	27290	8920	36210
Reinforcement Bars (Epoxy coated)	Lbs	36800		36800
Steel Piles HP 8x36	Lin.Ft.		564	564
Steel Piles HP12x53 (Special)	Lin.Ft.		319	319
Test Piles Steel HP8x36	Ea.		2	2
Class X Concrete Encasement	Cu.Yds.		44.3	44.3
Name Plates	Ea.			1
Rock Excavation	Cu.Yds.			10
Temp. Sheet Piling	Sq.Ft.			4200
Preformed Jt. Sealer 4"	Lin.Ft.	66		66
Shear Connectors	Ea.	4356		4356
Coil Rods ¾"x 3'-0" (Epoxy coated)	Ea.	260		260
Coil Rods ⅝"x 2'-9" (Epoxy coated)	Eq.	264		264
Straight Loop Inserts ⅝"x 4"	Ea.	264		264
Open Coil Inserts ¾"x 4½"	Ea.	260		260

GENERAL NOTES

See Proposal for Boring Data.

Fasteners shall be high strength bolts. Bolts ¾ϕ; open holes 13/16ϕ unless otherwise noted.

Calculated weight of Structural Steel = 191720 lbs.

All structural steel shall be AASHTO M 282 unpainted except expansion joint angles and attached bars which shall be AASHTO M183 and shop painted with two coats of basic lead silico chromate paint.

Field welding of construction accessories will not be permitted to the bottom flange of beams nor to the top flange for a distance equal to one-fourth the span length each way from the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.

Anchor bolts shall be set before bolting diaphragms over supports.

Layout of rip rap may be varied in the field to suit ground conditions as directed by the Engineer.

The Contractor shall drive 2 steel test piles in a permanent location, 1@ ea. Abut., as directed by the Engineer before ordering the remainder of piles.

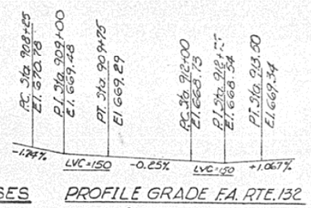
It shall be the responsibility of the Contractor to verify all dimensions and conditions existing in the field prior to construction and ordering of materials.

The concrete rail section above the mandatory construction joint at the top of the slab shall be constructed of Class X Conc. except the aggregates shall conform to the requirements of Handrail Concrete.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of ⅛". Adjustment shall be made either by grinding the surface or by shimming the brg. Two 6" adjusting shims, of the dimensions of the bott. brg. pl., shall be provided for ea. bearing in addition to all other plates or shims.

Protective coat shall be applied in accordance with Art. 503.12 of Standard Specifications.

All reinforcement bars shall be AASHTO M31 Grade 60



PROFILE GRADE F.A. RTE. 132

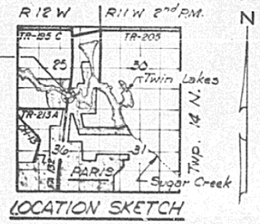
DESIGN STRESSES

f'c = 3500 psi
**fy = 60,000 psi (Reinf.)
fs = 27,000 psi (Struct.)

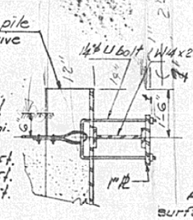
LOADING HS 20-44

Allow 25#/sq. ft. for future wearing surface. Design Specification: 1973 AASHTO 1974, 1975 and 1976 Interim Specifications.

**Epoxy coated reinforcement shall be used in top layer of the slab.



LOCATION SKETCH



DETAIL "A"

Cost of anchor devices shall be incidental to Temp. Sht. Pile

WATERWAY INFORMATION

Drainage Area	=	17.4 sq. mi.
Discharge (50yr.)	=	2300 cfs.
Required Opening	=	1346 sq.ft.
Existing Opening	=	1228 sq.ft.
Proposed Opening	=	1366 sq.ft.
Created Hd. (50yr.)	=	NA
Q (100yr.)	=	2800 cfs
H.W.E. (100yr.)	=	663.0
Created Hd (100yr.)	=	NA

STATION 911+27.95
BUILT 1917 BY
STATE OF ILLINOIS
F.A. RTE. 132 SEC. (C-X) BR
F.A. PROJ. BR-F-F-132(18)
LOADING HS 20
STR. No. 023-0024

NAME PLATE *

DESIGNED	R.K. mattern
CHECKED	D.R. Gutthard
DRAWN	P.S. A. Barraza
CHECKED	D.R. Gutthard

EXAMINED April 1 1977
Earl E. Hammons Jr.
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED
DIRECTOR OF HIGHWAYS
APPROVED
DIRECTOR OF HIGHWAYS

*See Std. 2113
Note: Str. No. to be supplied by the District.

GENERAL PLAN & ELEVATION
F.A. Rte. 132 Over TWIN LAKES-CITY of PARIS
F.A. Rte. 132 SECTION (C-X) BR
EDGAR COUNTY
STATION 911+27.95

Rev. 6-1-77

•332 & 91

FILE NAME = c:\pw_work\pwidot\carrollrt\d0212096\Bridge Repairs - 023-0024.dgn	USER NAME = carrollrt	DESIGNED R. Carroll	REVISED -	
		DRAWN R. Carroll	REVISED -	
	PLOT SCALE = 40.0000 ' / IN.	CHECKED T. Brandenburg	REVISED -	
	PLOT DATE = 12/10/2010	DATE 10/1/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS–BUILT PLANS (FOR INFORMATION ONLY)
S.N. 023–0024

SCALE: | SHEET NO. 12 OF 19 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	101 BDR & CX-BJR	EDGAR	36	24
		CONTRACT NO. 70873		
	ILLINOIS FED. AID PROJECT			