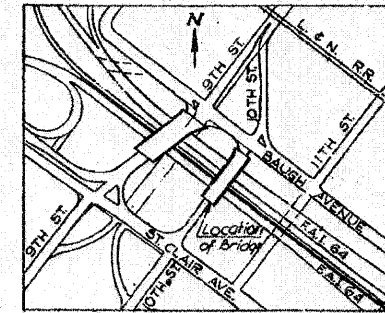
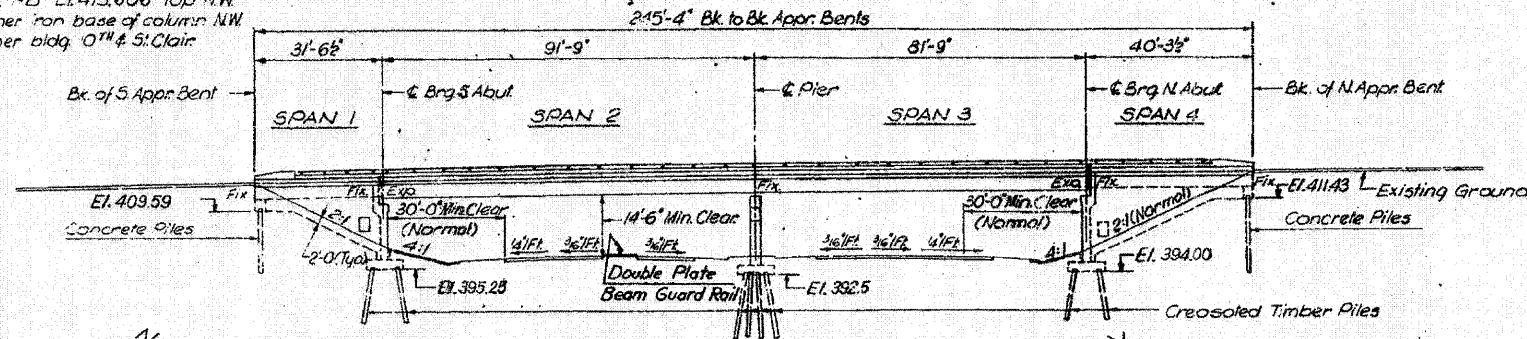


FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. - 64	82-1HB	ST. CLAIR	110	77
FED ROAD DIV. NO. 4	ILLINOIS PROJECT			

B.M. 1-B El. 415.606 Top NW corner iron base of column NW corner bldg. 10th & 5th Clair



STATION 58+17.87
BUILT 196 BY
STATE OF ILLINOIS
F.A.I. RT. 64 SEC. 82-1HB
F.A. PROJ. EMP. I-64-1(66)
LOADING HS 28

NAME PLATE
See Std 2113

DESIGN STRESSES AND LOADS

- $f_s = 248,000$ psi - Prestressing Steel
 - $f_{si} = 173,600$ psi
 - $f_c = 5,000$ psi - Prestressed Concrete
 - $f_{ci} = 4,000$ psi
 - $f_c = 1,200$ psi - Superstructure
 - $f_c = 1,400$ psi - Substructure
 - $f_s = 20,000$ psi - Structural Steel (A-36)
 - $f_s = 20,000$ psi - Reinforcement
 - $f_c = 75$ psi - Footings
- LIVE LOAD DEFLECTION: $\frac{L}{200}$ Composite
 * Alternate $f_s = 270,000$ psi is permitted.
 * LOADING: H520-44

GENERAL NOTES

ALL REINFORCEMENT BARS SHALL BE LAPPED 24 DIAMETERS UNLESS OTHERWISE SHOWN.

FIELD CONNECTIONS SHALL BE BOLTED USING HIGH STRENGTH BOLTS. BOLTS 3/4" ϕ , OPEN HOLES 13/16" ϕ , UNLESS OTHERWISE NOTED.

FIELD WELDING OF CONSTRUCTION ACCESSORIES WILL NOT BE PERMITTED IN THE BOTTOM OF FLANGE OF BEAMS OR GIRDERS NOR ON 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 CROSS FRAMES OVER SUPPORTS.

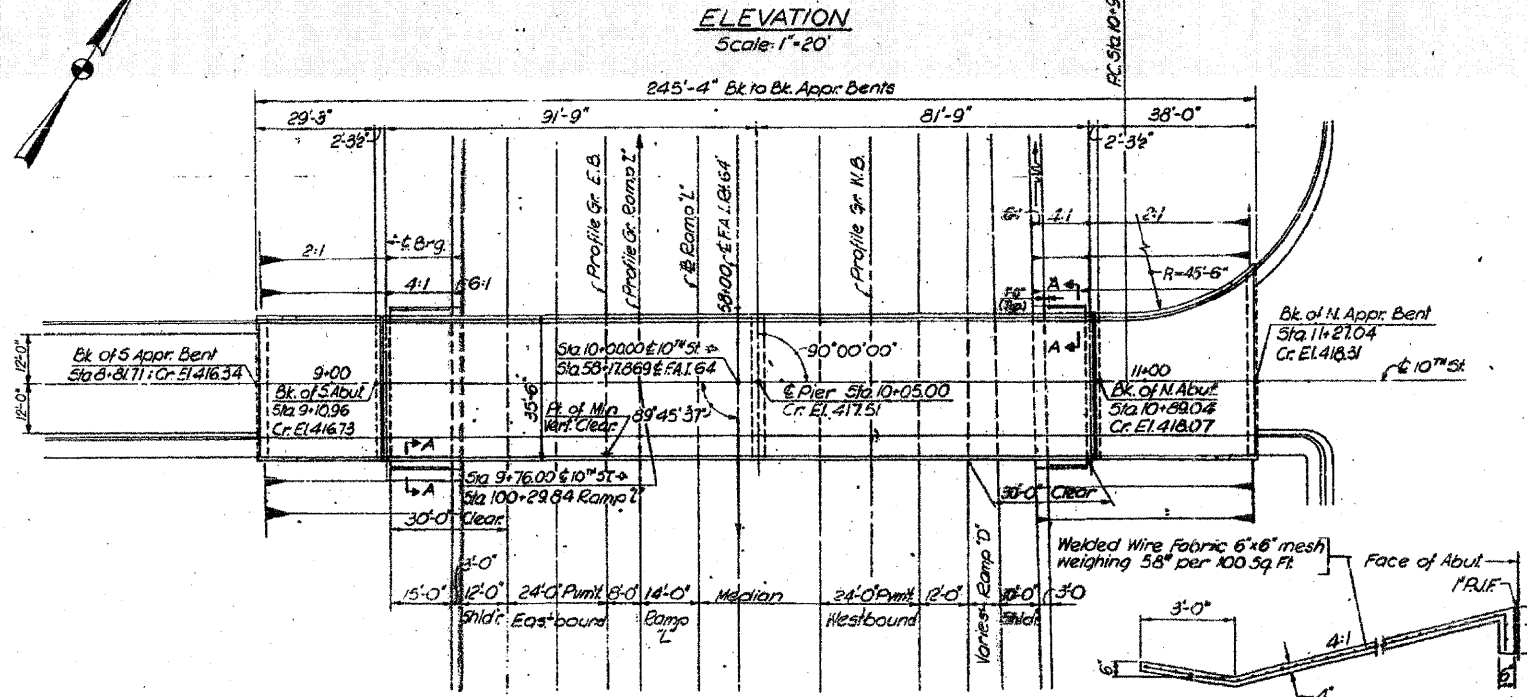
SLOPE WALL SHALL BE REINFORCED WITH WELDED WIRE FABRIC 6" X 6" MESH, WEIGHING 58# PER 100 SQ. FT.

THE CONTRACTOR SHALL DRIVE ONE (1) CONCRETE TEST PILE IN A PERMANENT LOCATION AT THE NORTH APPROACH BENT AND ONE (1) TIMBER TEST PILE IN THE VICINITY OF THE PIER AS DIRECTED BY THE ENGINEER BEFORE ORDERING THE REMAINDER OF PILES.

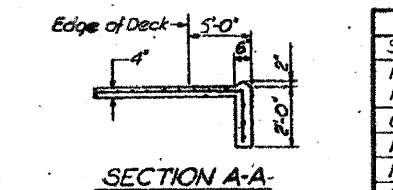
An alternate strand pattern using Extra High Strength Prestressing strand (270 ksi) is permitted.

FUTURE WEARING SURFACE - 25#/SQ. FT.

Calculated Plain Weight of Structural Steel = 179,300



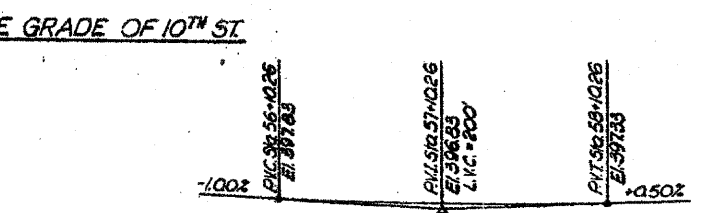
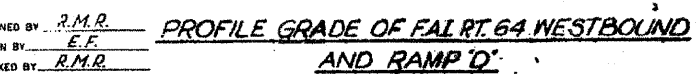
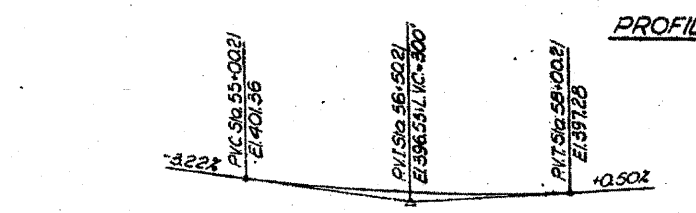
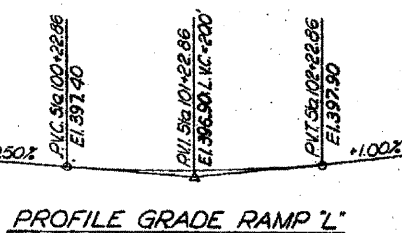
SECTION THRU SLOPE WALL



TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub.	Total
Structure Excavation	Cu. Yds.		428	428
Furnishing and Erecting Precast Prestressed Concrete I-Beams (36')	Lin. Ft.	380		380
Class II Concrete	Cu. Yds.	324.8	265.0	589.8
Protective Coat	Sq. Yds.	1075		1075
Furnish and Erect Structural Steel	Lump Sum	1		1
Stud Shear Connectors	Ea.	2460		2460
Reinforcement Bars	Lbs.	68680	23600	92280
Furnish Creosoted Piles (up to 20')	Lin. Ft.		1492	1492
Driving Timber Piles	Lin. Ft.		1492	1492
Test Pile Timber	Ea.		1	1
Driving Concrete Piles	Lin. Ft.		553	553
Furnishing Concrete Piles	Lin. Ft.		553	553
Test Pile Concrete	Ea.		1	1
Name Plates	Ea.		2	2
Slope Wall 4"	Sq. Yds.		162	162
Aluminum Railing Type 'L'	Lin. Ft.	453		453
Steel Railing Type 'M'	Lin. Ft.	453		453
Preformed Joint Sealer	Lin. Ft.	71		71

* Alternate Railing



DESIGNED BY: R.M.R.
DRAWN BY: E.F.
CHECKED BY: R.M.R.

Rev. 2-18-69 Reinf. from 90,030' to 90,280' - J.M. Rev. 4-8-69 Furn. Creos. Piles from 1300 Lin. Ft. to 1492 Lin. Ft. Driving Timber Piles from 1300 Lin. Ft. to 1492 Lin. Ft. S.M. Rev. 2-17-70 F&E. Str. Steel from 179,300' to Lump Sum & Rev. Notes. L.W. Ec. Slope Wall & from 162 sq yds. to 162 sq yds. 12-8-71 J.M.

STATE OF ILLINOIS
DIVISION OF HIGHWAYS
GENERAL PLAN
F.A. ROUTE 12 (10TH STREET)
OVER F.A.I. ROUTE 64
STATION 58+17.87
F.A.I. RT. 64 ST. CLAIR CO. SECTION 82-1HB
H. W. LOCHNER, INC.
ENGINEERS
CHICAGO, ILLINOIS
SHEET 1 OF 18

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLAN - 10TH STREET

FILE NAME = D8T1-082-0150-shr-pln21.dgn

USER NAME = mironsk
DESIGNED
DRAWN PP
CHECKED AB
PLOT SCALE = 480,000 / 1 ft.
PLOT DATE = MAR. 31, 2011

DESIGNED
DRAWN PP
CHECKED AB
DATE 03/31/2011

REVISED -
REVISED -
REVISED -
REVISED -

SCALE: NONE SHEET NO. 1 OF 19 SHEETS STA. TO STA.

F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
• 82-1-3HB, 82-2N, 82-1-12RS ST. CLAIR 352 281
• 9166/9180/9213/9214 CONTRACT NO. 76C51
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT