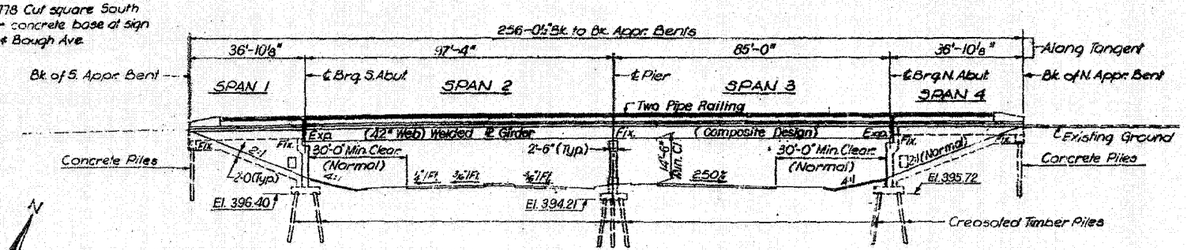
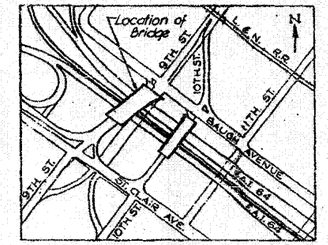
FOR INFORMATION ONLY

B.M. 6-B El. 419.718 Cut square South Easterly corner concrete base at sign N.W. corner 9TH & Bough Ave.



ELEVATION



LOCATION PLAN

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. – 64	82-1HB	ST. CLAIR	110	58
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT EMP-I-64-1(66)0		

GENERAL NOTES

All reinforcement bars shall be lapped 24 diameters unless otherwise shown.

Field connections shall be bolted using high strength bolts. Bolts ¾"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 frame.

The Contractor shall drive one (1) concrete test Pile in permanent location at North Appr. Bent and one (1) Timber Pile in the vicinity of Pier as directed by the Engineer before ordering the remainder of Piles.

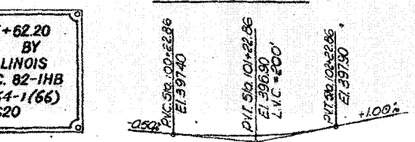
An alternate strand pattern using Extra High Strength Prestressing strand (270 K.S.I.) is permitted.

[redacted]

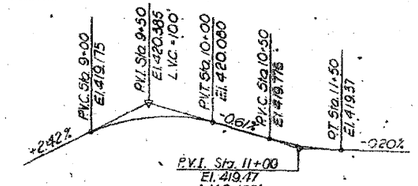
Calculated Plan Weight of Structural Steel = 310,400 Lbs.

STATION 55+62.20
BUILT 19 BY
STATE OF ILLINOIS
F.A.I. RT. 64 SEC. 82-1HB
FA.PROJ. EMP.-I-64-1(66)
LOADING HS20

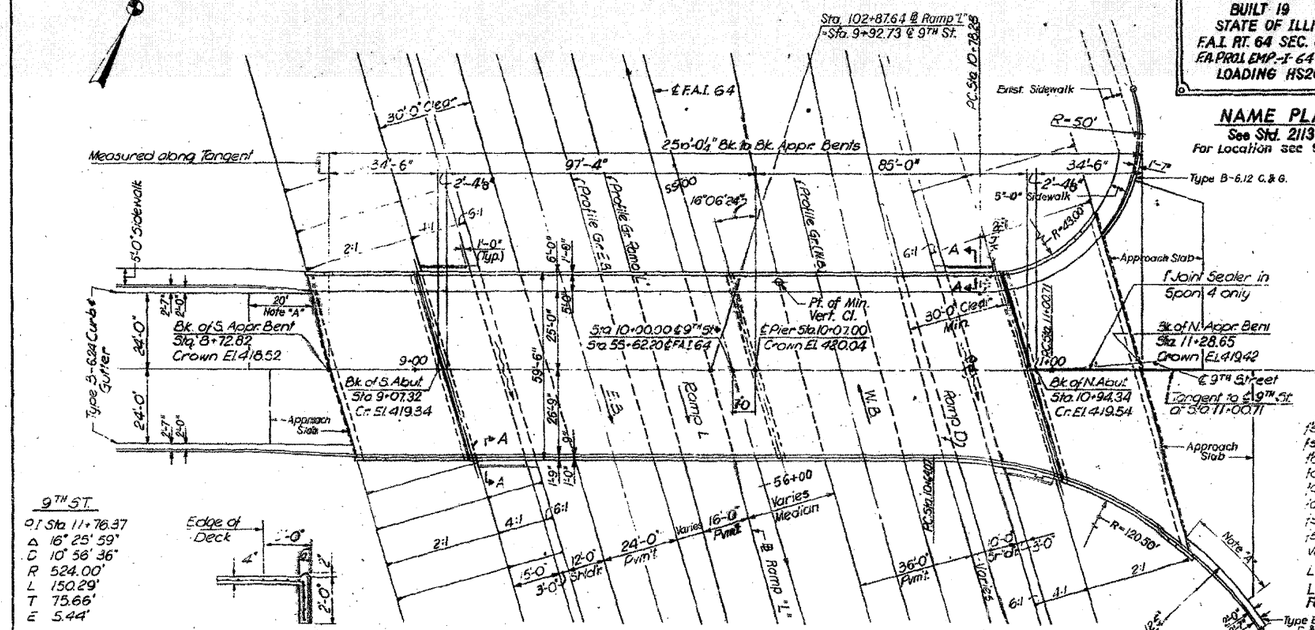
NAME PLATE
See Std. 2113
For Location see Sht. No. 16



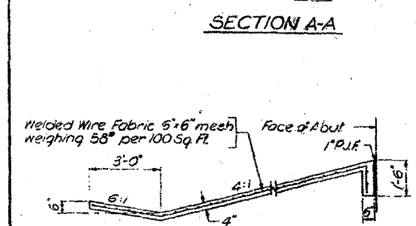
PROFILE GRADE RAMP "L"



PROFILE GRADE OF 9TH ST.



PLAN



SECTION A-A

DESIGN STRESSES AND LOADS

fs = 248,000 psi		Prestressing Steel
fsi = 173,600 psi		
fc = 5,000 psi		Prestressed Concrete
fci = 4,000 psi		
fc = 1,200 psi		Superstructure
fc = 1,400 psi		Substructure
fs = 20,000 psi		Reinforcement
fs = 20,000 psi		Structural Steel (A-36)
vc = 75 psi		Footings

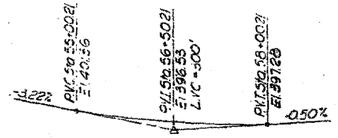
LIVE LOAD DEFLECTION: L/1200 Composite
LOADING: HS20-44
Future Wearing Surface = 25 #/ft.

TOTAL BILL OF MATERIAL

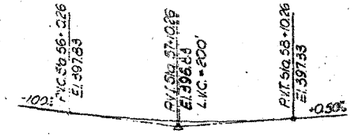
Item	Unit	Super	Sub.	Total
Structure Excavation	Cu. Yds.	—	690	690
Furnishing and Erecting Precast Prestressed Concrete I-Beams (36)	Lin. Ft.	748	—	748
Class X Concrete	Cu. Yds.	582.2	400.6	982.8
Protective Coat	Sq. Yds	1901	—	1901
Furnish. and Erect. Structural Steel	Lump Sum	1	—	1
Reinforcement Bars	Lbs.	123,170	42,000	165,170
Furnish. Creosoted Piles (20.1' to 38')	Lin. Ft.	—	1071	1071
Test Piles Timber	Ea.	—	1	1
Driving Timber Piles	Lin. Ft.	—	2621	2621
Driving Concrete Piles	Lin. Ft.	—	888	888
Furnishing Concrete Piles	Lin. Ft.	—	888	888
Test Pile Concrete	Ea.	—	1	1
Name Plates	Ea.	—	2	2
Slope Wall 4"	Sq. Yds.	—	352	352
Aluminum Railing Type L	Lin. Ft.	487	—	487
Stud Shear Connectors	Each	3,326	—	3,326
Pref. Joint Sealer	Lin. Ft.	130	—	130
Steel Railing Type M	Lin. Ft.	487	—	487
Furnish. Creosoted Piles (up to 20')	Lin. Ft.			1550

Alternate

SECTION THRU SLOPE WALL



PROFILE GRADE OF F.A.I. RT. 64 (WESTBOUND)



PROFILE GRADE OF F.A.I. RT. 64 (EASTBOUND)

DESIGNED BY H. N.
DRAWN BY V.B.
CHECKED BY H. N.

STATE OF ILLINOIS
DIVISION OF HIGHWAYS
GENERAL PLAN
F. A. ROUTE 12 (9TH STREET)
OVER F.A.I. ROUTE 64
STATION 55 + 62.20
F.A.I. RT. 64 ST. CLAIR COUNTY SECTION 82-1HB
H. W. LOCHNER, INC. ENGINEERS CHICAGO, ILLINOIS
SHEET 1 OF 16

Rev. 2-18-69 Class X Conc from 982.2 Cu. Yd. to 982.8 Cu. Yd., Rein. from 165,170# to 165,170# S.H. Rev. 4-8-69 Furn. Creosoted Piles from 2315 Lin. Ft. to 1071 Lin. Ft. Added Furn. Creo. Piles 1550 Lin. Ft. Driving Timber Piles from 2315 Lin. Ft. to [illegible] Rev. 2-17-70 F.&E. Str. Steel from [illegible] to [illegible] Sq. Yds. & Rev. Notes L.V.
Rev. Slope Wall 4" From 330 sq. yds. to 352 sq. yds. 12-8-71 J.M.J.

FILE NAME = D8Tr1-002-0326-sht-pln01.dgn	USER NAME = moronik	DESIGNED		REVISED -
		DRAWN	PP	REVISED -
	PLOT SCALE = 480.000 ' / ft.	CHECKED	AB	REVISED -
	PLOT DATE = MAR. 31, 2011	DATE	03/31/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLAN – 9TH STREET

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	262
• 9166/9180/9213/9214		CONTRACT NO. 76C51		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		