FAI ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	CHAMPAIGN	18	15

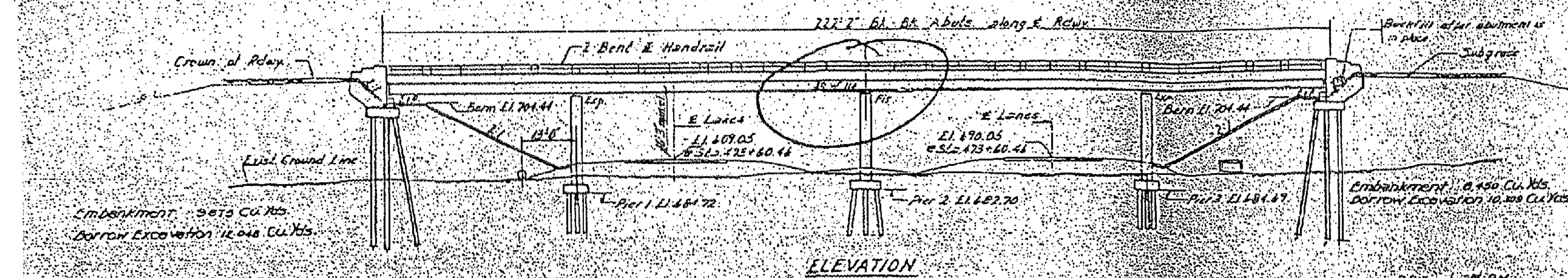
*(10-30HB-2) & (10-31HB)P

CONTRACT NO. 70482

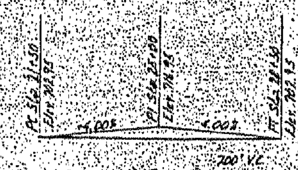
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

FAI 57	10-31 HB-1	CHAMPAIGN	20	5

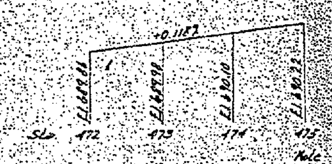
SHEET NO. 1 / 10 SHEETS



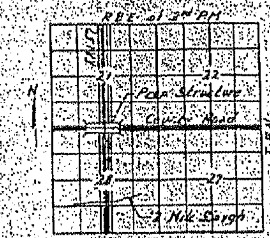
ELEVATION



V.C. DATA COUNTY ROAD



GRADE PROFILE F.A.I. RT. 57



LOCATION SKETCH

GENERAL NOTES

Class X Concrete shall be used throughout.

Coarse aggregate which is to be used in end posts must be absolutely free of chert, flint, limonite, lignite and soft sandstone.

The Concrete floor slab shall be poured in one continuous operation between joints and shall be finished in accordance with Article 51.17 of the Standard Specifications.

All rivets shall be ¾"ø, unless noted.

All holes for splices shall be sub punched ⅝"ø and reamed to proper size: ⁵⁄₁₆" for ¾"ø rivets; ⅞" for ⅞"ø rivets.

All rockers, bolsters, bearing plates, lead plates, pintles and anchor bolts shall be fabricated and set in accordance with Article 51.15 of the Standard Specifications and are included in quantity of structural steel. Est. Wt. = 6,335 lbs.

Anchor bolts shall be set before riveting diaphragms over supports.

All Structural Steel and Metal Handrail shall be inspected by the Illinois Division of Highways before painting.

Welding shall comply with Article 54.5 (s) of the Standard Specifications.

The slopewall is to be reinforced with #4 gauge welded wire fabric 6"×6" mesh, and weighing not less than 58 lbs. per 100 sq. ft.

Metal Handrail & Structural Steel, except the Anchor bolts, shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Article 56.1 to 56.5 inclusive of the Standard Specifications.

All paint shall be furnished and applied by the Contractor.

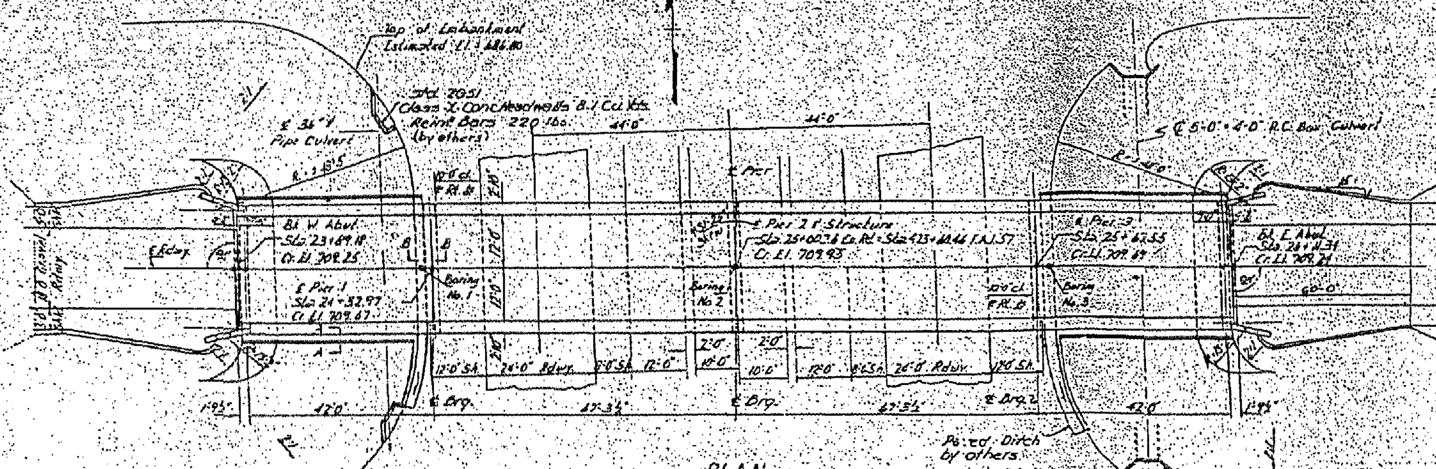
Piles at Abutments shall be precured in accordance with Article 60.9 (c) of the Standard Specifications.

Use pipe culvert Type 2A Construction to conform with Articles 58.4, 58.5 and 58.7 of the Standard Specifications.

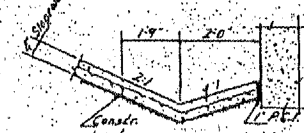
Headwalls for pipe culvert under West Embankment are to conform with Standard 2051.

All Structural Steel shall conform to the A.S.T.M. Specification A-36.

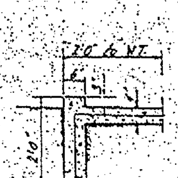
The Contractor shall drive three test piles, one concrete pile at East Abut. and one concrete pile at West Abut. both in permanent location, and one timber pile near pier #2 as directed by the Engineer before ordering the remainder of piles.



PLAN



SECTION B-B



SECTION A-A

STA. 473+60.46
BUILT 19 BY
STATE OF ILLINOIS
F.A.I. RT. 57 SEC. 10-31 HB-1
F.A. PROJ. I-57-5(4)
LOADING H15-S12

NAME PLATE

See Standard 2113
See Sheet #4 for placing of Name Plates

TOTAL BILL OF MATERIAL

Item		Super	Sub	Total
Borrow Excavation	Cu. Yds.		[illegible]	[illegible]
Class A Excavation	Cu. Yds.		[illegible]	[illegible]
Class X Concrete	Cu. Yds.	[illegible]	[illegible]	[illegible]
Structural Steel	Lbs.	757,820		[illegible]
Metal Handrail	Lin. Ft.	[illegible]		[illegible]
Protective Coat	Sq. Yds.	776		[illegible]
Pipe Culverts 36"ø Type 2A	Lin. Ft.		[illegible]	[illegible]
Reinforcement Bars	Lbs.	[illegible]	[illegible]	[illegible]
Creosoted Piles	Lin. Ft.		[illegible]	[illegible]
Test Piles (Timber)	Each		[illegible]	[illegible]
Concrete Piles	Lin. Ft.		[illegible]	[illegible]
Test Piles (Concrete)	Each		2	[illegible]
Name Plates	Each		2	[illegible]
Slope Wall	Sq. Yds.		[illegible]	[illegible]

DESIGNED M.E. Gavaden R.P.H.
CHECKED R. P. [illegible]
DRAWN P. Lawler
CHECKED T. T. M.

Apr. 7 1961
DRAWN W.E. [illegible]
PASSED [illegible]
APPROVED [illegible]

DESIGN STRESSES

fc = 1400 p.s.i. Super & Sub.
v = 75 p.s.i. (Ftgs.)
fs = 20,000 p.s.i. Reinf.
fs = 18,000 p.s.i. Struct.
n = 10

LOADING H15-S12-44

PROJ. I-57-5(4)
GENERAL PLAN & ELEVATION
F.A.I. RT. 57 SEC. 10-31 HB-1
CHAMPAIGN COUNTY

010-0179 #3 1 of 4

FOR INFORMATION ONLY