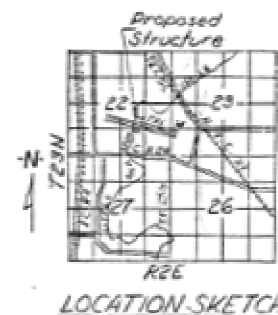
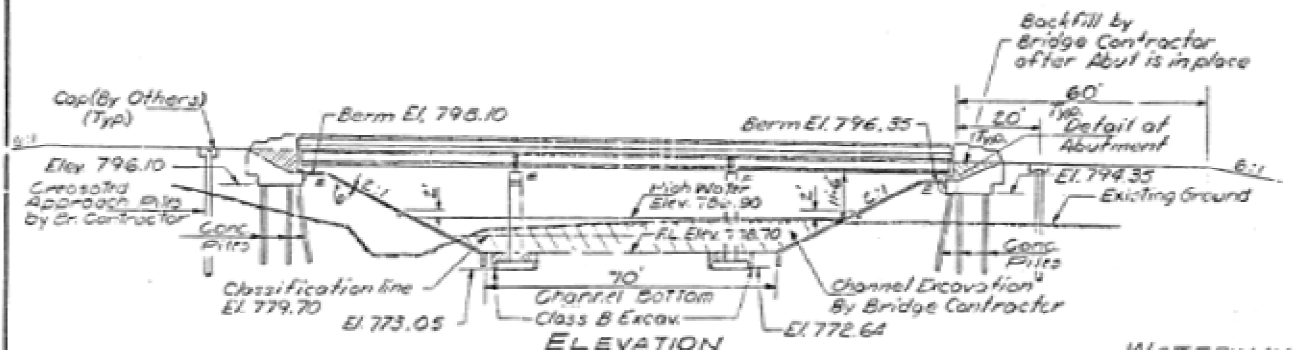


FOR INFORMATION ONLY

3M #1 Top of bent spike 3 side of 10" stump
6' S. of Trench E in Fence Row. STA. 795+00 Elev. 795.95

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

DATE	REVISED	BY	NO.	DATE	NO.	SHEET NO. /
1-74	5-74	McLEAN	116	3-74	34	16 SHEETS



GENERAL NOTES

Slope Wall shall be reinforced with welded wire fabric 6"x6" mesh, weighing 58# per 100 Sq. Ft.

Layout of slope walls may be varied to suit ground conditions in the field as directed by the engineer.

All reinforcement bars shall be lapped 24 dia. Min. unless otherwise shown.

The exposed surfaces of the expansion guard shall be given two shop coats of red lead paint, the contact surfaces shall be given one coat of red lead paint. Anchor studs shall not be painted.

Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint, and two field coats of aluminum paint.

The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.

WATERWAY INFORMATION

Drainage Area ----- 7,800 Acres
Character ----- rolling, cultivated
Required Opening --- (50 Yr. Flood) --- 617 Sq. Ft.
Present Opening ----- None
Proposed Opening ----- 650 Sq. Ft.

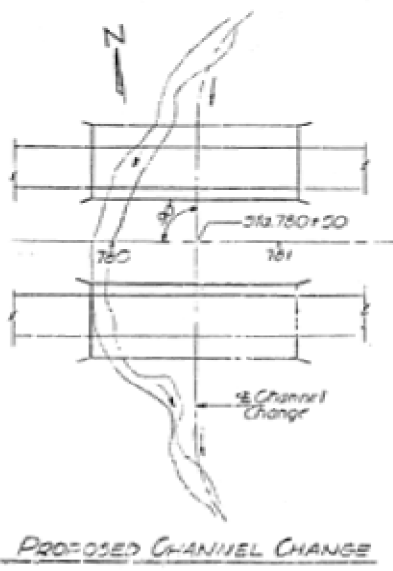
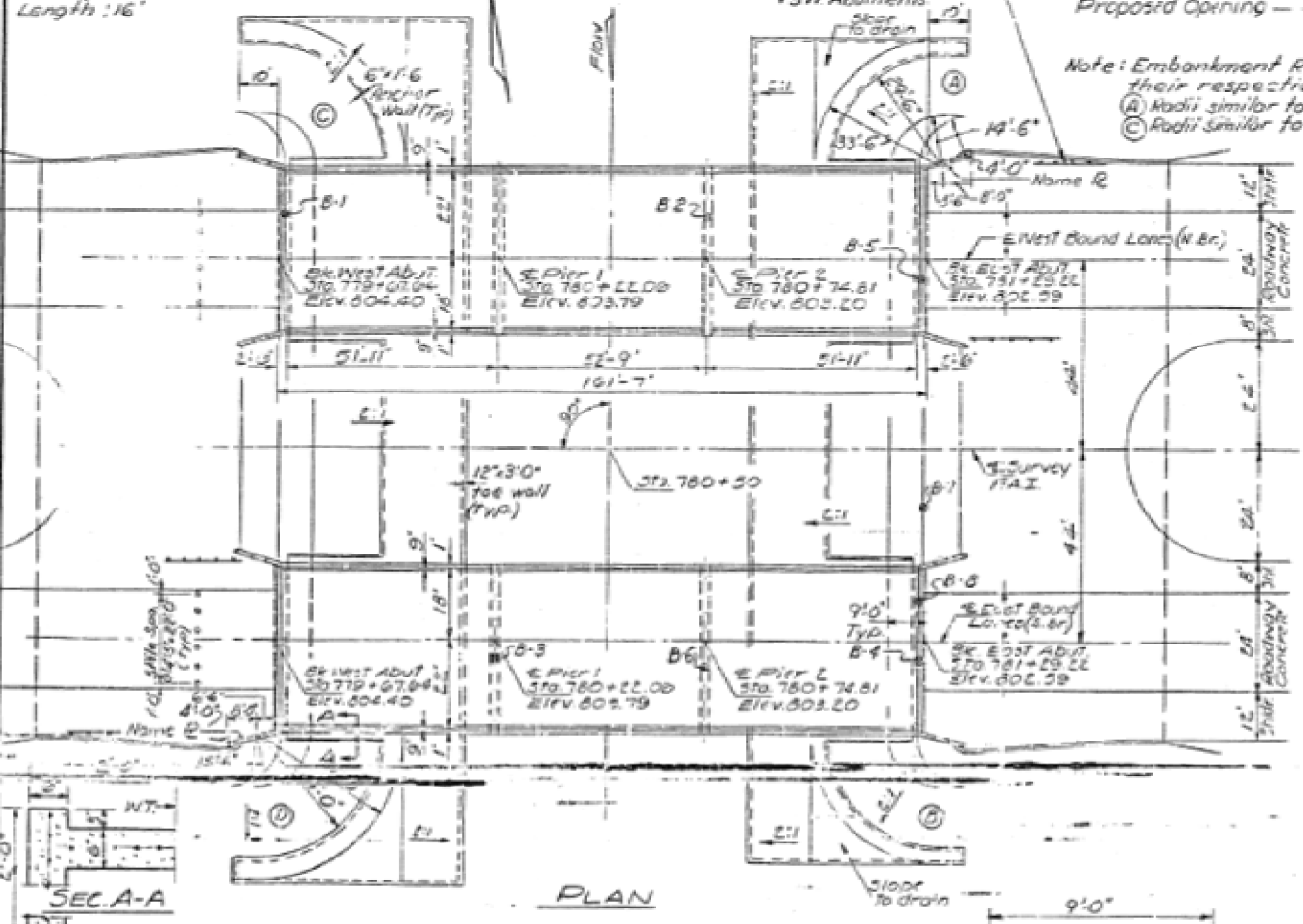
STATION 780+50
BUILT 19 BY
STATE OF ILLINOIS
F.A.I. PR. 74 SEC. 57-21B
F.A. PROJ. I-74-51(1)
LOADING HS20 & ALT.

NAME PLATE
See Std. 213-1

APPROACH PILE DATA
Type: Cresseded
No. Req'd: 24
Length: 16'

See sheet #14 for
guardrail correction
details typical of NE
1 SW Abutments

Note: Embankment Radii are typical for their respective embankment.
A) Radii similar to B) Radii
C) Radii similar to D) Radii



TOTAL BILL OF MATERIAL

Item	Unit	Super.	Sub.	Total
Cresseded Piles (Up to 20')	Lin. Ft.			384
Class B Excavation for Struct.	Cu. Yds.			500
Class A Concrete	Cu. Yds.		580.6	580.6
Class X Concrete	Cu. Yds.	456.4	168.2	624.6
Protective Coaf	Sq. Yds.			1660
Structural Steel	Lbs.	2410		2410
Pres. Prest. Conc. 1-Bm (42')	Lin. Ft.	1887		1887
Aluminum Siding	Lin. Ft.	634		634
Reinforcement Bars	Lbs.	105280	35270	140650
Slope Wall (6')	Sq. Yds.			1910
Preformed Joint Sealer	Lin. Ft.	168		168
Precast Piles	Lin. Ft.		2100	2100
Cast in place concrete	Cu. Yds.			2
Excavation	Cu. Yds.			2

DESIGN STRESSES

FIELD UNITS
fc = 1400 psi. (Super + Sub) * includes Excavation for Slope Wall.
fs = 20,000 psi. (Print)
vc = 75 psi. (Figs.) ** includes application on inside face, top and exposed end of m/walls.
n = 10

PRECAST PRESTRESSED UNITS
fc = 5000 psi
fc1 = 4000 psi
fs = 248,000 psi (5 strands)
fs1 = 178,000 psi (5 strands)

GENERAL PLAN & ELEVATION
F.A. PROJ. I-74-51(1) 137
F.A.I. PR. 74 OVER LITTLE KICKAPOO CR.
F.A.I. PR. 74 SEC. 57-21B
MCLEAN COUNTY
STATION 780+50

DESIGNED GENE McCORMICK
CHECKED [Signature]
G.M.
DRAWN THOMAS A. LEWIS
CHECKED [Signature]

EXAMINED [Signature]
PASSED [Signature]
APPROVED [Signature]

Feb 16, 1956

