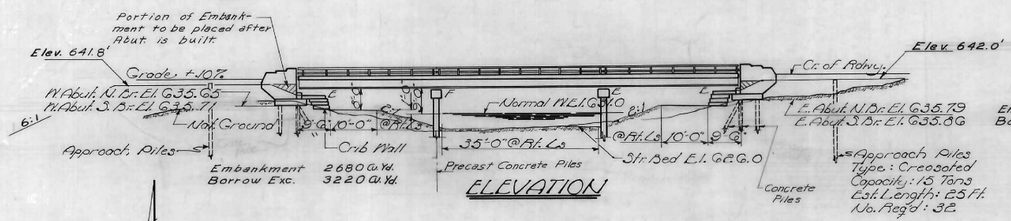
B.M. #33: Spike S.W. in root of 48" cottonwood tree, 37' Rt. Sta. 425+51. Elev. 632.84 (U.S.C.G.S. Datum)
Existing Structure: None.

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
B. R. I. F.A.I 80	(06-2B-1	Bureau	185	49
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT: I-80-1(49)141		

SHEET NO. 1
13 SHEETS

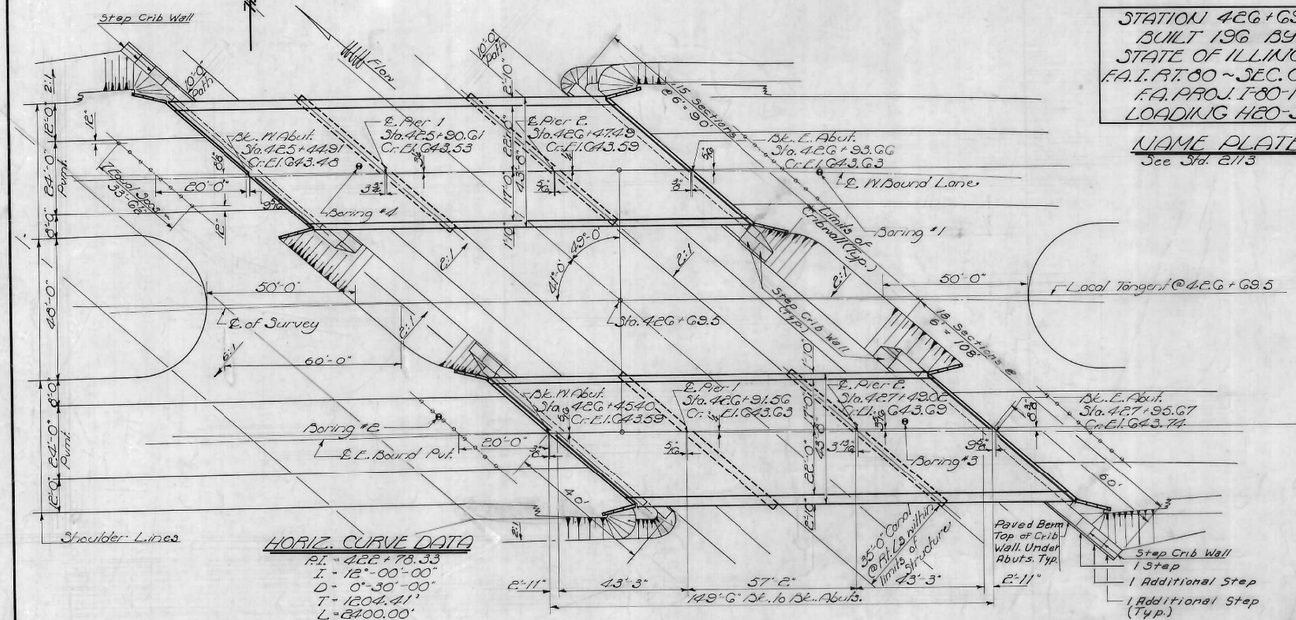


ELEVATION

Embankment 310 Cu. Yd.
Borrow Exc. 370 Cu. Yds.

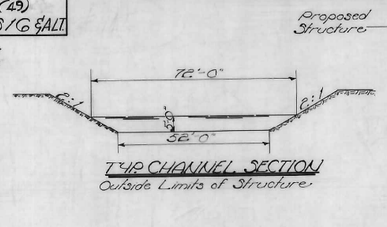
STATION 426+69.5
BUILT 196 BY
STATE OF ILLINOIS
F.A.I. RT. 80 ~ SEC. 06-2B-1
F.A. PROJ. I-80-1(49)
LOADING H20-S16 & ALT.

NAME PLATE
See Std. 2113

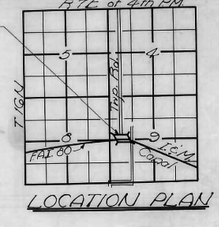


PLAN

HORIZ. CURVE DATA
P.I. = 428+78.33
I = 12°-00'-00"
D = 0°-30'-00"
T = 1204.41'
L = 6400.00'
E = 63.12'
R = 11459.2'
S.E. = 0.1%



TYP. CHANNEL SECTION
Outside Limits of Structure



LOCATION PLAN

GENERAL NOTES

Class A Concrete shall be used throughout.
The concrete floor slab shall be finished in accordance with Article 5113 of the Standard Specifications.
Rivets ¾ ℔, Open holes 1⅛ ℔, unless noted.
All bolsters, rockers, bearing plates, lead plates, pintles and anchor bolts shall be fabricated and set in accordance with Article 5115 of the Standard Specifications and are included in quantity of Structural Steel. Est. Weight 14,150 lbs..
Anchor bolts shall be set before riveting diaphragms over supports.
Expansion guards shall be fabricated and erected in accordance with Article 5113(6) of the Standard Specifications.
Expansion guards are included in quantity of Structural Steel. Est. Weight 6630 lbs..
Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint See Articles 506.1 to 506 inclusive, of the Standard Specs..
The Contractor shall drive 3 test piles in permanent locations as directed by the Engineer before ordering remainder of piles. One test pile at W. Abut. N. Bridge, one test pile at E. Abut. S. Bridge, and one test pile at Pier 1 S. Bridge..
All Structural Steel shall conform to A.S.T.M. Designation A-36.
Coarse aggregate, which is to be used in all end posts must be free of chert, flint, limonite, lignite and soft sandstone..
The exposed surfaces of expansion guards 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.
Permanent forms will not be permitted in forming the concrete floor.

TOTAL BILL OF MATERIAL ~ SEC. 06-2B-1

Item	Unit	Super	Sub	Total
Channel Excavation	Cu. Yd.			173
Borrow Excavation	Cu. Yd.			3590
Class A Excavation for Structures	Cu. Yd.			28
Class X Concrete	Cu. Yd.	345.4	231.8	577.2
Structural Steel	Lb.	294,780		294,780
Reinforcement Bars	Lb.	75,560	17,040	92,600
Metal Handrail	Lin. Ft.	585		585
Creosoted Piles	Lin. Ft.			800
Precast Concrete Piles	Lin. Ft.		1215	1215
Test Piles (Pre. Conc.)	Each		1	1
Concrete Piles	Lin. Ft.		1856	1856
Test Piles (Concrete)	Each		2	2
Concrete Crib Wall	Sq. Ft.			1888
Name Plates	Each	2		2
Protective Coat	Sq. Yd.			1550

DESIGNED	R.K. Taylor	
CHECKED	C.W. Glick	
DRAWN	R.K.T. rv.l. jacobs	
CHECKED	C.W.G.	

AUG 13 1962
EXAMINED W.E. Bauman, ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED
APPROVED ENGINEER OF DESIGN
CHIEF HIGHWAY ENGINEER

WATERWAY INFORMATION
Drainage Area None.
Character Rolling, Cultiv.
Required Opening 310 Sq. Ft.
Present Opening 310 Sq. Ft.
Proposed Opening 310 Sq. Ft.
Pool Elev. 631.0

DESIGN STRESSES
Fc. = 1400 p.s.i. Super.
Fs. = 20000 p.s.i. Struct.
Fs. = 20000 p.s.i. Reinf.
v.c. = 75 p.s.i. Flgs.
n = 10
LOADING H20-S16 44 & ALT.

GENERAL PLAN & ELEVATION
F.A.I. RT. 80 ~ SEC. 06-2B-1
PROJECT I-80-1(49)141
BUREAU COUNTY
STATION 426+69.5

Rev. 2-8-62 W.L.P. Added 60' Embankment & Borrow Exc. Rev. 1-24-63 W.L.P. Removed P Sec.
Changed Reinf. Bars to 75,560 + 17,040 = 93,000 #
Increased length of Crib Wall for Slope of Earth.

FILE NAME = D366998-sht-exist-Hennepin.dgn	USER NAME = brian.heil	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 7/30/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
S.N. 006-0011/12

SCALE: | SHEET 2 OF 14 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2) BR-3,4	BUREAU	133	105
		CONTRACT NO. 66998		
	ILLINOIS FED. AID PROJECT			