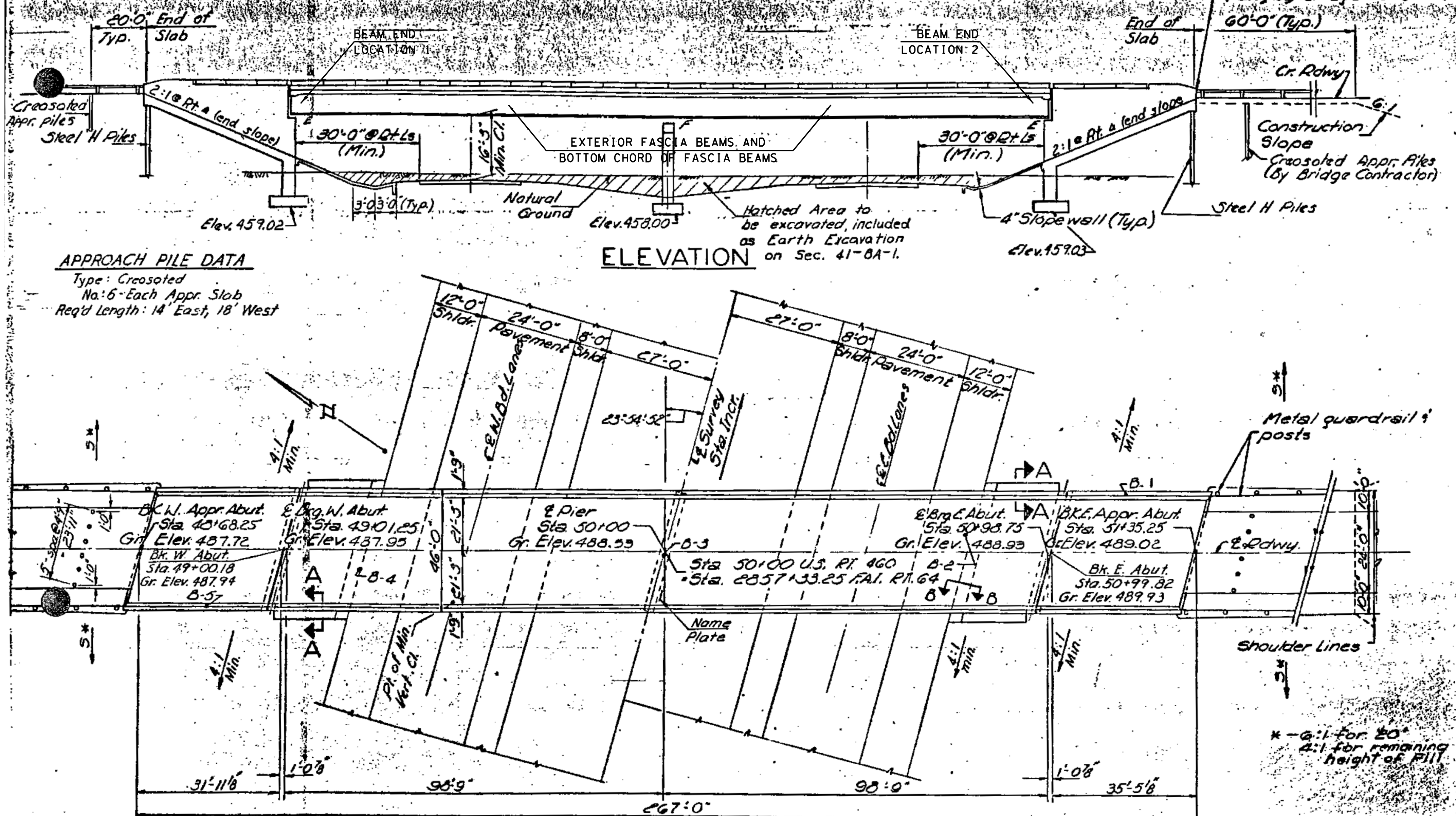
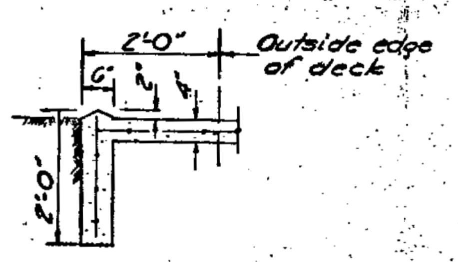
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

041-0062

F.A.I. 64	41-8A-1 41-8HB-3	JEFFERSON	82	26	14 SHEETS





SEC. A-A

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.

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

Field welding of construction accessories will not be permitted to the bottom flange of beams or girders nor to 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 riveting diaphragms over supports.

Slope wall shall be reinforced with welded wire fabric 6" x 6" mesh, weighing 58# per 100 sq.ft.

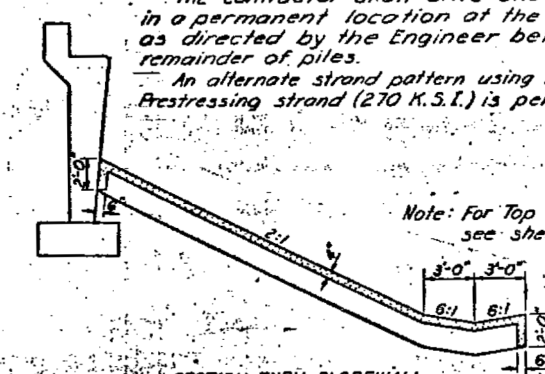
Class A Excavation for structures includes excavation for slope wall.

The concrete rail section above the mandatory construction joint at the top of the slab shall be constructed of Class X Concrete, except the aggregates shall conform to the requirements of Handrail Concrete.

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

The Contractor shall drive One Steel Test Pile (8BP36) in a permanent location at the West Appr. Abut. 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.



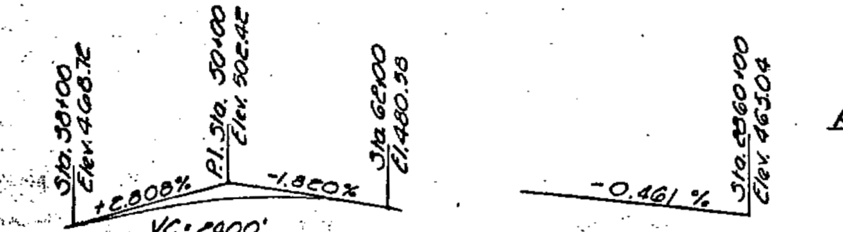
SECTION THRU SLOPEWALL

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Class A Excavation for Structure	Cu. Yds.			562
Protective Coat	Sq. Yds.	1460		1460
Class X Concrete	Cu. Yds.	393.2	347.6	740.8
F & E. P.P.C. I Bm (36")	Lin. Ft.	386		386
Structural Steel	Lbs.	274,580		274,580
Stud Shear Connectors	Each	2052		2052
Aluminum Railing	Lin. Ft.	492		492
Reinforcement Bars	Lbs.	91,690	31,950	123,640
Steel Piles (8 BP36)	Lin. Ft.		422	422
Test Piles Steel (8BP36)	Each			1
Name Plates	Each		1	1
Slope Wall (4")	Sq Yds.			236
Creosoted Piles (up to 20')	Lin. Ft.			192
Preformed Joint Sealer	Lin. Ft.	101		101

STATION 2857+33.25
BUILT 19__ BY
STATE OF ILLINOIS
F.A.I. RT. 64 SEC. 41-8HB-3
PROJ. I-64-3(25)
LOADING HS20

NAME PLATE
(See Std. 2113-1)



PROFILE U.S. RT. 460

PROFILE F.A.I. RT. 64

DESIGN STRESSES

PRECAST PRESTRESSED UNITS

f'c = 5,000 psi.
f'ci = 4,000 psi.
f's = 248,000 psi (Strands 7/16"φ)
fsi = 173,600 psi (Strands 7/16"φ)

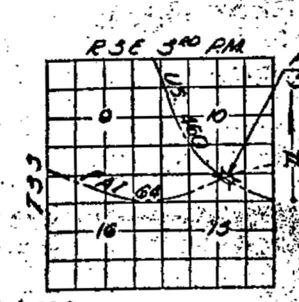
Allow Future U.S. 25#/sq.ft.

FIELD UNITS

f'c = 1,200 psi. (Deck Slab)
f'c = 1,400 psi (Curb, Parapet, Sub.)
fs = 20,000 psi (Reinf. & Struct.)
vc = 75 psi. (Ftgs)

Allowable & Deflection L/1200

LOADING HS 20-44



LOCATION SKETCH

PROJ. I-64-3(25)76
GENERAL PLAN & ELEVATION
U.S. RT. 460 (SBI RT 142) Over F.A.I. RT. 64
F.A.I. RT. 64 SEC. 41-8HB-3
JEFFERSON COUNTY
STATION 2857+33.25

DESIGNED	Emil A. Bamara
CHECKED	Harpal Singh
DRAWN	R.P.S.
CHECKED	N.S.

APRIL 23 1969
EXAMINED Carl Thummel
PASSED W.E. Brennan
APPROVED Richard H. Golterman

FOR INFORMATION ONLY

FILE NAME = c:\pw_work\pwidot\dahmerja\d0392003\78428-sht-plan.dgn	USER NAME = Dahmerja	DESIGNED -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	DRAWN -	REVISED -
Default	PLOT DATE = 8/15/2014	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 041-0062

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D9 BRIDGE PAINT 2015-1	VARIOUS	23	10
		CONTRACT NO. 78428		

ILLINOIS FED. AID PROJECT