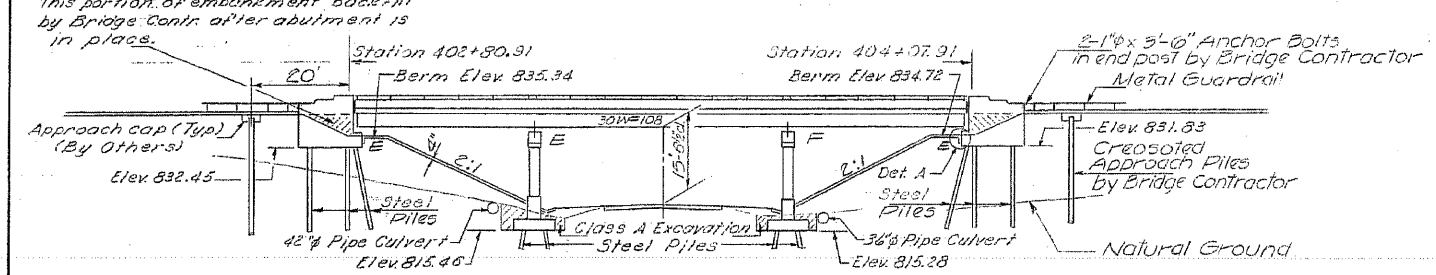


B.M. in North Corner of West headwall
Culv. Sta. 13+42 Menominee Road.
Elev. 823.74

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

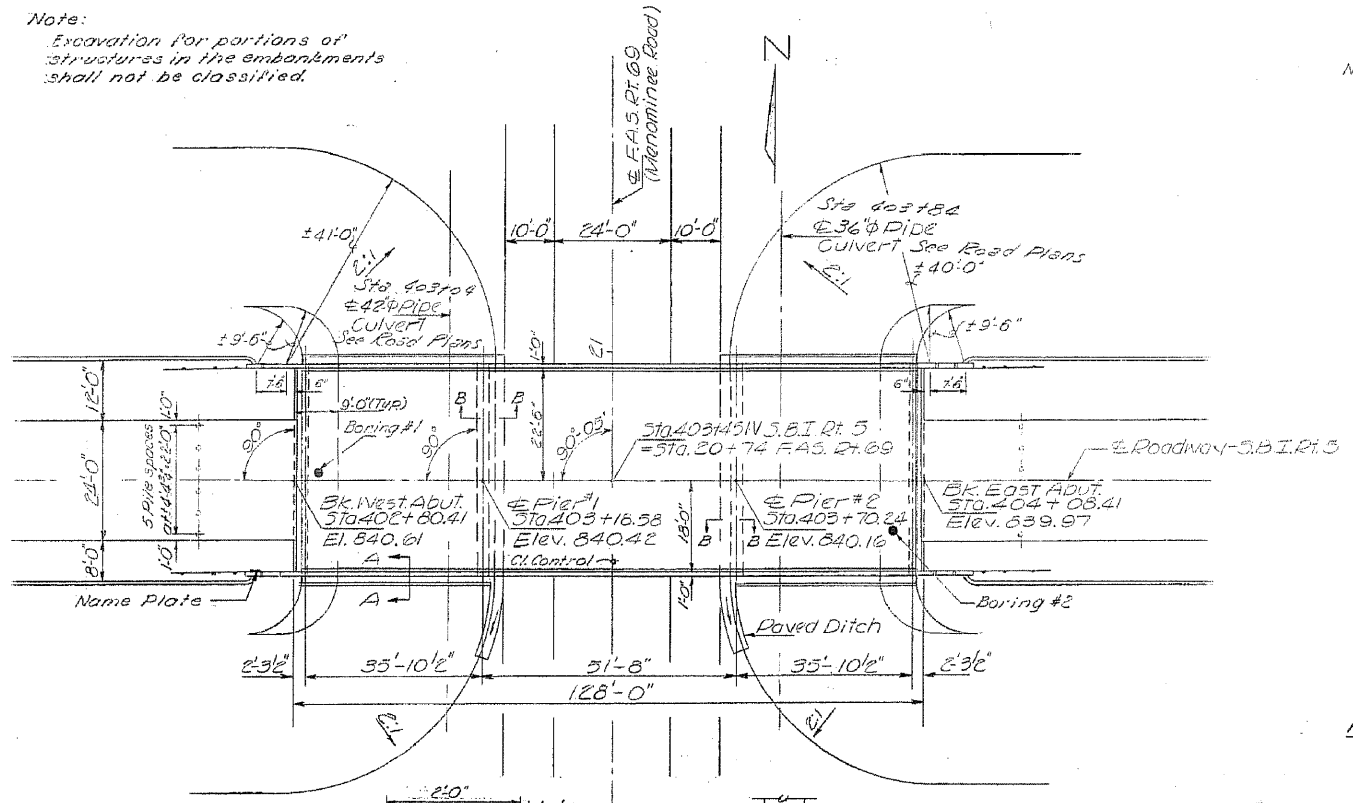
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. /
44B, 44C, 44D	44B, 44C, 44D	JO DAVIESS	376	56	10 SHEETS
F.A.P. PROJ. NO. 7		ILLINOIS		FED. AID PROJECT: F-240(7)	



ELEVATION

Note:
Excavation for portions of structures in the embankments shall not be classified.

Note:
For quantities of Earthwork, Metal Guardrail, Paved Ditch and Headwalls for Pipe Culvert: see Road Plans.



APPROACH
PILE DATA

Type: Cressed
No. Piles: 12
Lgth. Req'd: 15'
See Special Provisions

GENERAL NOTES

Coarse aggregate to be used in parapet handrails and end post must be free of chert, flint, limonite, lignite and soft sandstone.

The concrete floor slab shall be finished in accordance with Art 51.9 of the Std. Specifications. Slope Wall shall be reinforced with welded wire fabric 6"x6" mesh weighing 58 Lb. per 100 Sq. Ft. All reinforcement bars shall be lapped 20 dia. unless otherwise shown.

All structural steel shall conform to A.S.T.M. Designation A-36.

Rivets 3/4" Dia., Open Holes 1 1/8" Dia., unless otherwise noted.

Anchor bolts shall be set before posttensioning diaphragms over supports.

Exposed surfaces of the expansion devices, inaccessible after erection, shall receive two shop coats of red lead paint. All other surfaces shall be given one shop coat of red lead paint. Anchor studs shall not be painted.

Expansion devices are included in the quantity of structural steel. Est. Wt. = 2170 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 Article 56.1 to 56.5 inclusive of the Standard Specifications.

The contractor shall drive two steel test piles, one at the West abutment and one at Pier 2, both in a permanent location as directed by the Engineer before ordering the remainder of piles.

All steel piles shall be driven to refusal.

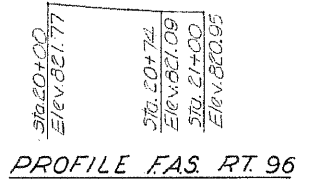
Permanent forms will not be permitted in forming the concrete floor.

FIELD WELDING OF CONSTRUCTION ACCESSORIES TO THE BOTTOM FLANGES OR FOR A DISTANCE OF 1/4 OF THE SPAN EACH WAY FROM THE SUPPORTS ON THE TOP FLANGES OF BEAMS OR GIRDERS WILL NOT BE PERMITTED. FIELD WELDING IN OTHER AREAS WILL BE PERMITTED ONLY WHEN APPROVED BY THE ENGINEER.

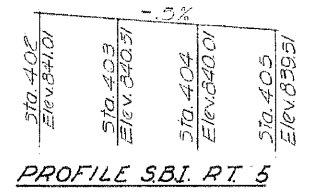
TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Class A Excav. for Structures	Cu. Yds.		100	100
Class X Concrete	Cu. Yds.	154.8	183.6	338.2
Protective Coat	Sq. Yds.	666		666
Structural Steel	Lbs.	105320		105320
Aluminum Handrail	Lm. Ft.	250		250
Reinforcement Bars	Lbs.	43650	16870	60520
Steel Piles (ABP30)	Lm. Ft.		1471	1471
Test Piles Steel (BBP30)	Eq.		2	2
Cressed Piles (Up to 20')	Lm. Ft.		192	192
Name Plates	Eq.		1	1
Slope Wall (4')	Sq. Yds.		470	470
Bridge Seat Sealant	L.S.			1

* Includes application on inside vertical face, top, and exposed end of abutment wingwalls + all seatments etc.



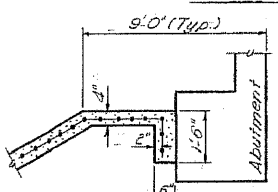
PROFILE FAS RT. 96



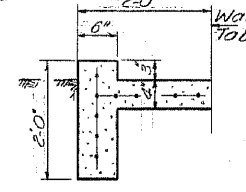
PROFILE SBI RT. 5

DESIGN STRESSES

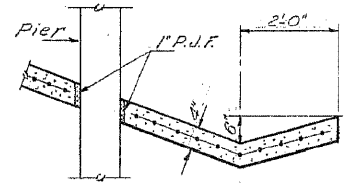
$f_c = 1400$ psi (Super & Sub)
 $f_s = 20,000$ psi (Reinf.)
 $f_s = 20,000$ psi (Struct.)
 $v_c = 75$ psi (Figs.)
 $n = 10$
Allowable Future W.S. 25"/sq.ft.
Allowable Δ 4"/1000
LOADING HS20-44



DETAIL A



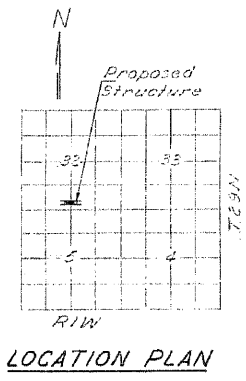
SECTION A-A



SECTION B-B

STATION 403+45 W
BUILT 196 BY
STATE OF ILLINOIS
S.B.I. RT. 5 SEC. 45
F.A. PROJ. F-240 (7)
LOADING HS20

NAME PLATE
(See Std. 2113-1)



LOCATION PLAN

DESIGNED: *Simon S. Jawad*
CHECKED: *Mark McCormick*
DRAWN: *J. Kessler*
CHECKED: *Mark McCormick*

EXAMINED: *Jan 27 1967*
PASSED: *W. E. Bannmann*
APPROVED: *V. E. Staff*

WHKS & CO.
ENGINEERING
7018 KINGSMILL CT.,
SPRINGFIELD, IL
(217) 483-9457
DESIGN FIRM #184001036

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 043-0006
SHEET NO. 2 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B, 44B, 44C, 45B)	JO DAVIESS	309	211
				CONTRACT NO. 64C94
ILLINOIS FED. AID PROJECT				

USER NAME = dheberling
FILE NAME = 0430006-64C94Existing
PLOT DATE = 12/6/2011
PLOT TIME = 10:15:28 AM

DESIGNED - BRD
CHECKED - CWC/SDS
DRAWN - DLH
CHECKED - BRD

REVISED -
REVISED -
REVISED -
REVISED -