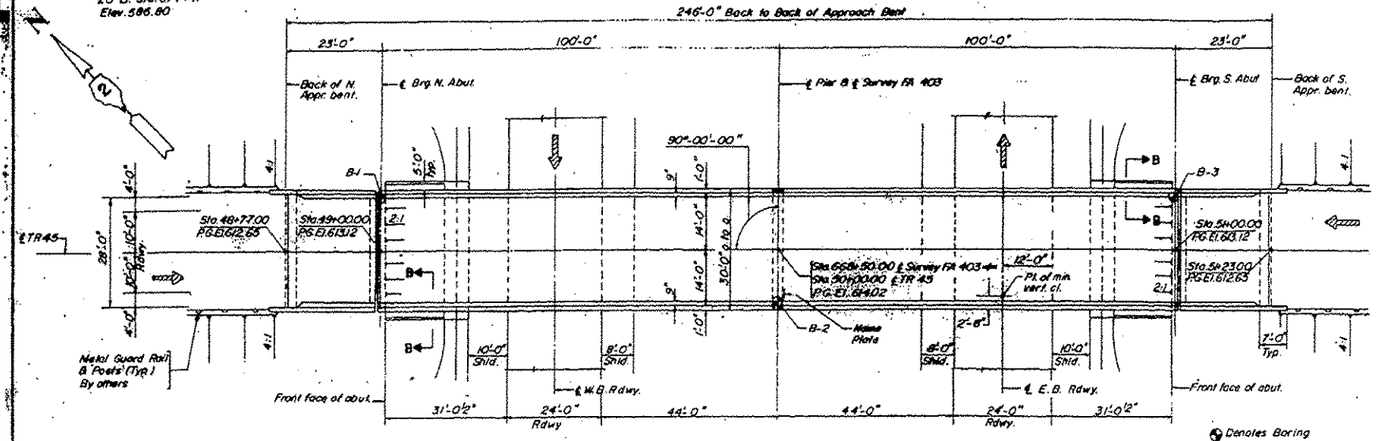
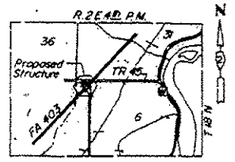
				SHEET NO. 1A
F.A.I. 403	161-1-8	ROCK ISLAND	532	190A
				11 SHEETS

B. M. R.R. Spike in P.P.
20' Lt. Sta. 674+11
Elev. 586.80

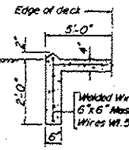
246'-0" Back to Back of Approach Bent



PLAN



LOCATION MAP



SECTION B-B

GENERAL NOTES:

All Reinforcement Bars shall be Lapped 24 Diameters Unless Otherwise shown.

Field connections shall be bolted using high strength bolts. Bolts ¾" ø, open holes 13/16" ø, unless otherwise noted.

The Basic lead Silico Chromate paint system shall be used for shop and field painting of structural steel.

Field welding of construction accessories will not be permitted to the Bottom of 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 support is. Field welding in other areas will be permitted only when approved by the engineer.

Anchor Bolts shall be set before bolting cross frames over supports.

Slope wall shall be reinforced with welded wire fabric 6"x 6" mesh weighing 58# per 100 Sq. Ft..

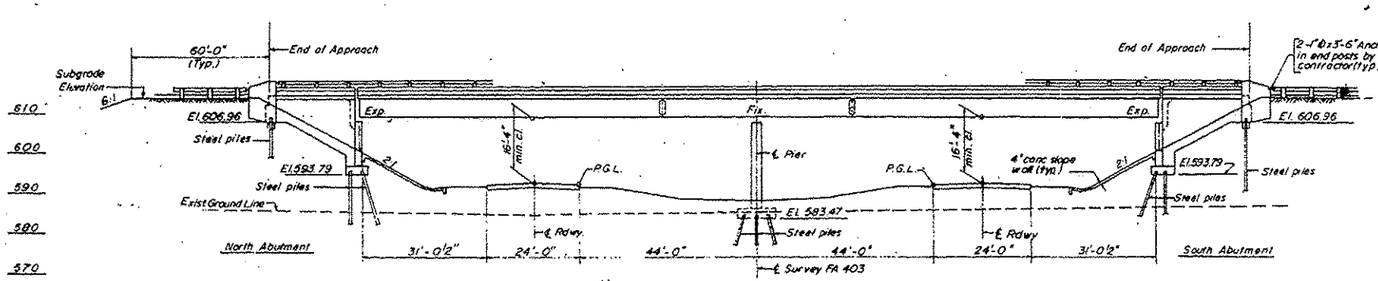
The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.

The contractor shall drive three steel Test Piles in a permanent location, one each at the north and south abutments and pier as directed by the engineer before ordering the remainder of the piles.

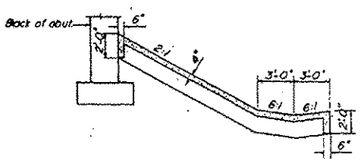
The concrete rail section above the Mandatory const. joint at the top of the slab shall be constructed of the class X concrete, except the aggregates shall conform to the requirements of handrail concrete.

Protective coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.

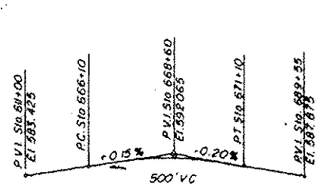
Bearing seat surfaces shall be constructed or adjusted to true and level elevations within a tolerance of ¼ inch. Adjustment shall be made by grinding the surface or by shimming the bearing. The ¾" anchor bolts, the dimensions of the bottom bearing plate, shall be provided as shown in addition to the other plates or sheets.



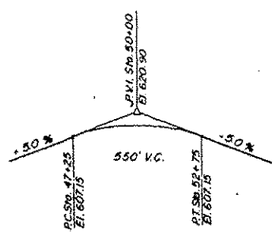
ELEVATION



SECTION THRU SLOPEWALL



PROFILE FA-403 ALONG ℄ SURVEY



PROFILE TR 45
TOP OF CLASS 1

STATION 668+50.00
BUILT 19 BY
STATE OF ILLINOIS
FA 403 SECTION 161-1HB-10
FA PROJ. EBRF-403-1(6)
LOADING HS 15

NAME PLATE
SEE STD. 2113

DESIGN DATA

DESIGN LOADING
HS 15-44 Mod Allowance For 25 P.S.F Future Wearing Surface

DESIGN STRESSES:
fc = 1400 P.S.I. Except As Follows
fc = 1200 P.S.I. For Deck Slab
fc = 1000 P.S.I. For Conc. In Contact with Earth
fs = 20,000 P.S.I.-M183 Structural Steel.
fs = 20,000 P.S.I.-Reinforcement Steel.
v = 75 P.S.I. Allowable Shear in Footings
n = 10
Allowable Live Load Deflection = L/1200 (Composite)

DESIGN SPECIFICATIONS:
AASHTO 1973 As Applicable

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER STRUCT.	SUB STRUCT.	TOTAL
Protective Coat	Sq.Yds.	203		203
Class 'X' Concrete	Cu.Yds.	254.4	190.5	444.9
Structural Steel	L.Sum.	0.05	—	0.05
Aluminum Railing	Lin.Ft.	481	—	481
Reinforcement Bars	Lbs.	60,240	23,150	83,390
Stud Shear Connectors	Each	1416	—	1416
Steel Piles (HP8 x 36)	Lin.Ft.	—	1620	1620
Test Piles (HP8 x 36)	Each	—	3	3
Name Plates	Each	1	—	1
Slope Wall (4")	Sq.Yds.	—	262	262
Bit.Conc. Surface Course Cl. 1	Tons	61	—	61
Waterproofing Membrane System	Sq.Yds.	722	—	722
Sand Backfill	Cu.Yds.	—	234	234
Preformed Jt. Sealer - 2½"	Lin.Ft.	60	—	60
Permanent Bench Marks Type I	Each	1	—	1

* Calculated Weight of Structural Steel = 185,970 lbs.

DESIGNED	D.M.P.
CHECKED	H.R.S.
DRAWN	A.M.
CHECKED	D.M.P.

As Revised 2-3-75 L.W.

AS REVISED

GENERAL PLAN & ELEVATION
FA 403 SECTION 161-1HB-10
FA 403 UNDER TR 45
ROCK ISLAND COUNTY
STATION 668+50.00

FOR INFORMATION ONLY

FILE NAME = G:\BR\Dose\Rock Island\64K16 Cleaning & Default	USER NAME = dosedd	DESIGNED -	REVISED -
	Painting SN 081-0120 & 0127\CADD\02-sht-cover.dgn	DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = Wed Aug 06 11:19:46 2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
SN 081-0127
SCALE: ____ SHEET ____ OF ____ SHEETS STA. ____ TO STA. ____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
88	D2 BRIDGE PAINTING 2015-1	ROCK ISLAND	17	15
		CONTRACT NO. 64K16		
	ILLINOIS FED. AID PROJECT			