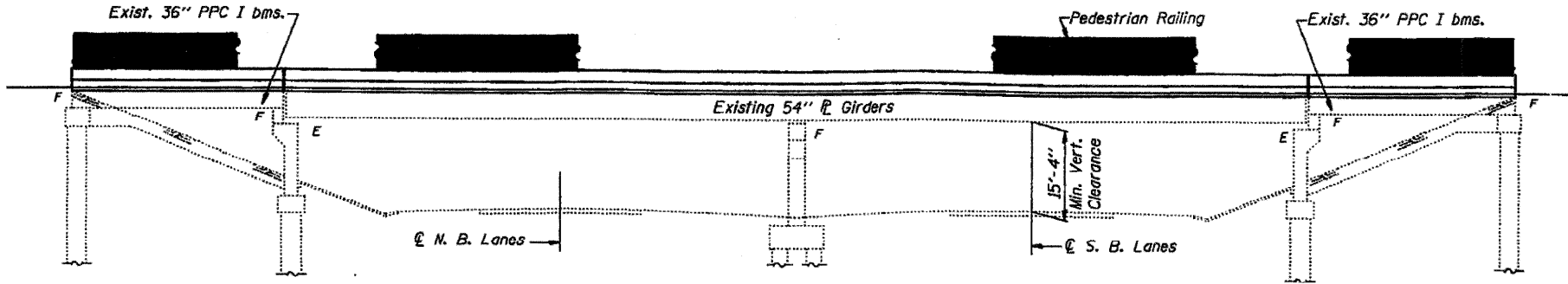


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Bench Mark: Disk on overhead sign foundation located in median of F.A.I. Rt. 74 below bridge, Elev. 672.37.

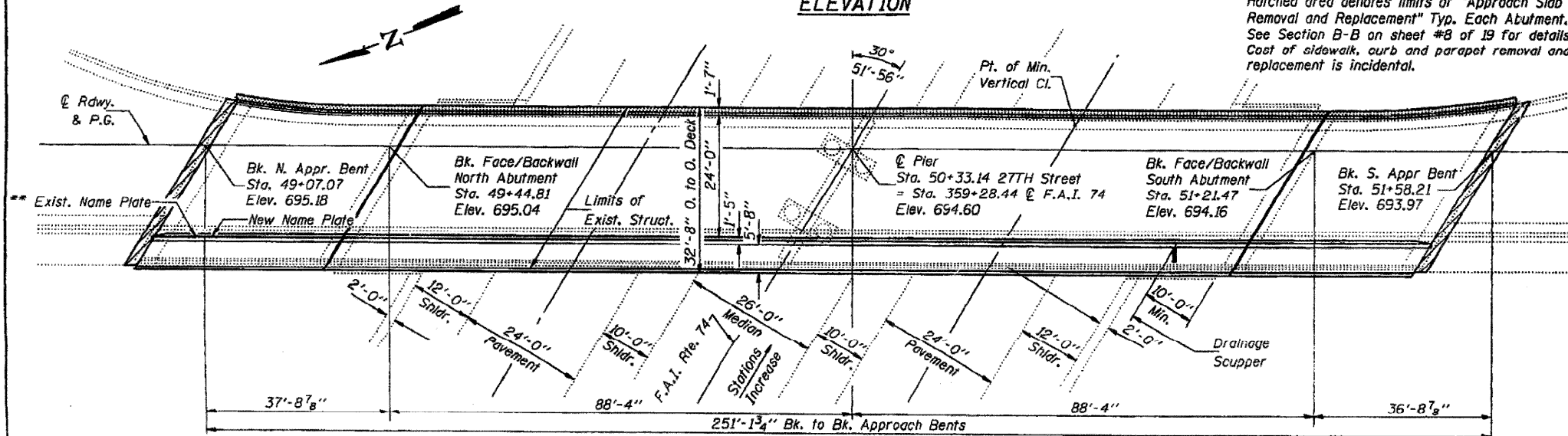
Existing Structure: No. 081-0107 is 31'-6" wide by 251'-1 3/4" long built as F.A.I. Rte. 74, Section 81-IHB-4 in 1970. The existing concrete deck will be removed and a new deck constructed. The structure will be closed to traffic during reconstruction.

No Salvage.



ELEVATION

Hatched area denotes limits of "Approach Slab Removal and Replacement" Typ. Each Abutment. See Section B-B on sheet #8 of 19 for details. Cost of sidewalk, curb and parapet removal and replacement is incidental.



PLAN

** Existing Name Plate to be cleaned and relocated. Cost incidental to "Name Plates".

GENERAL NOTES

Reinforcement bars shall conform to the requirements of AASHTO M-31, M-42 or M-53 Grade 60.
Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
Field welding of construction accessories will not be permitted to the bottom flange of 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.
The existing Structural Steel shall be cleaned by Method A.
The three coat lead and chromate free alkyd paint system shall be used for shop and field painting of New Structural Steel. The color of the final finish coat shall be Munshell Standard 7.5G 4/8 Interstate Green.
The three coat lead and chromate free alkyd paint system shall be used for field painting of Existing Structural Steel. The color of the final finish coat shall be Munshell Standard 7.5G 4/8 Interstate Green.
The Contractor will be required to mark, on top of the concrete deck, the locations of the top flange of all the steel girders, prior to any removal of the bridge concrete deck. Saw cutting directly over the top of the girder flanges is not permitted.
Front face of Abutment backwalls and top surfaces of Abutment seats shall receive "Bridge Seat Sealer". Estimated quantity = 340 Sq. Ft.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Concrete Deck	Each	1		1
Preformed Joint Seal (4")	Lin. Ft.	77		77
Class X Concrete Superstructure	Cu. Yd.	312.5		312.5
Protective Coat	Sq. Yd.	424		424
Elastomeric Brg. Assembly, Type I	Each	10		10
Structural Steel	Pound	3,800		3,800
Pedestrian Railing	Lin. Ft.	244		244
Parapet Railing	Lin. Ft.	230		230
Cleaning and Painting Steel Bridge	L.S.			
Reinforcement Bars, Epoxy Coated	Pound	62,740		62,740
Name Plates	Each	1		1
Jack & Remove Existing Bearings	Each	10		10
Approach Slab Removal & Replacement	Sq. Yd.	21		21
Bridge Seat Sealer	L.S.		.24	.24
Drainage Scuppers	Each	1		1
Formed Concrete Repair (Depth Less Than or Equal to 5")	Sq. Ft.		472	472

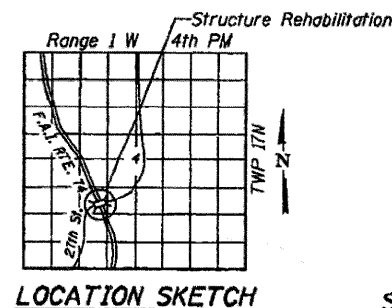
* Quantity is for Top and Inside Surfaces of Parapets and Sidewalks.

STATION 359+28.44
REBUILT 199 BY
STATE OF ILLINOIS
F.A.I. RT. 74 SEC. 81-IHB-4
PROJECT IR-74-1(84)
LOADING HS20 & ALT.
STR. NO. 081-0107

NAME PLATE
See Sid. 2113

DESIGN SPECIFICATIONS
1989 AASHTO & Seismic Retrofitting Guidelines for Highway Bridges
LOADING HS20-44 & ALT.
Allow 25#/sq. ft. for future wearing surface

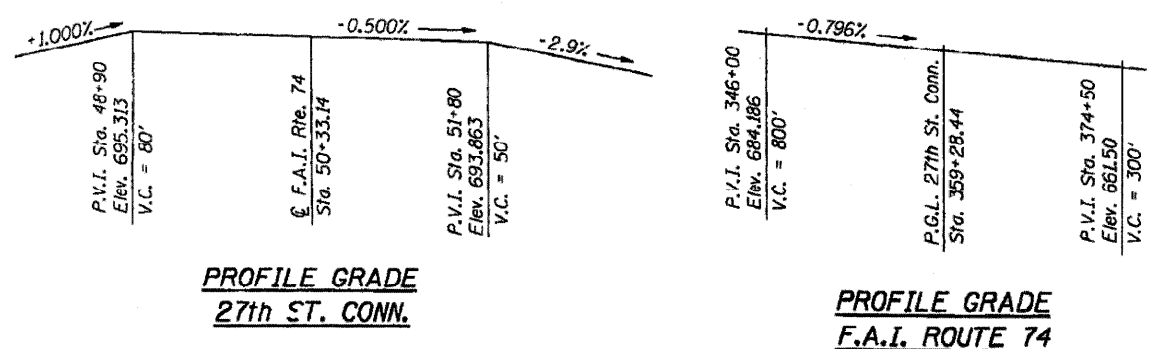
DESIGN STRESSES
FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinf.)
fs = 20,000 psi (Exist. Struct. Steel.)
EXISTING PRECAST PRESTRESSED UNITS
f'c = 5,000 psi
f's = 248,000 psi (1/6" Strands)
f'si = 173,600 psi (1/6" Strands)
f'ci = 4,000 psi



LOCATION SKETCH

GENERAL PLAN
27TH STREET IN MOLINE
OVER F.A.I. RTE. 74
F.A.I. ROUTE 74
SECTION 81-IHB-4
ROCK ISLAND COUNTY
STATION 359+28.44
STRUCTURE NUMBER 081-0107

* FAI ROUTES 74 & 88
** D2 BRIDGE PAINTING 2008-1



PROFILE GRADE
27th ST. CONN.

PROFILE GRADE
F.A.I. ROUTE 74

DESIGNED: *John F. Schneller Jr.*
CHECKED: *John F. Schneller Jr.*
DRAWN: *John F. Schneller Jr.*
NOVEMBER 2008
EXAMINED: *John F. Schneller Jr.*
PASSED: *John F. Schneller Jr.*
APPROVED: *John F. Schneller Jr.*
DIRECTOR OF DESIGN

FOR INFORMATION ONLY

LOCATION 1 Structure Number 081-0107

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS

FILE NAME = P:\PAINTING\64089\paint2008-1.dgn	USER NAME = linkdj	DESIGNED -	REVISED -	SCALE: 1" = 40'	SHEET NO. OF SHEETS STA. TO STA.	F.A.I. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. CONTRACT NO. 64089
	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -			ROCK ISLAND 40 6
	PLOT DATE = Tue Jan 29 14:35:56 2008	CHECKED -	REVISED -			
		DATE -	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT