

B.M.:
Chiseled "□" in NW Wingwall of Str. No. 069-0005
at Station 15+34, 17.7' Rt.
NAVD 88 = 562.14 Ft.

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 614	*	MORGAN	39	15

FLR. ROAD DIST. NO. 7 ILLINOIS PROJECT

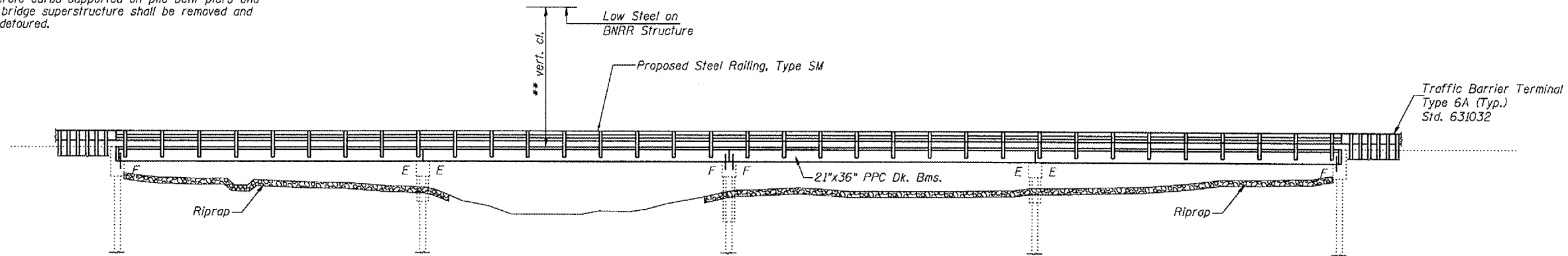
*148BR-2 CONTRACT NO. 72991

EXISTING STRUCTURE:

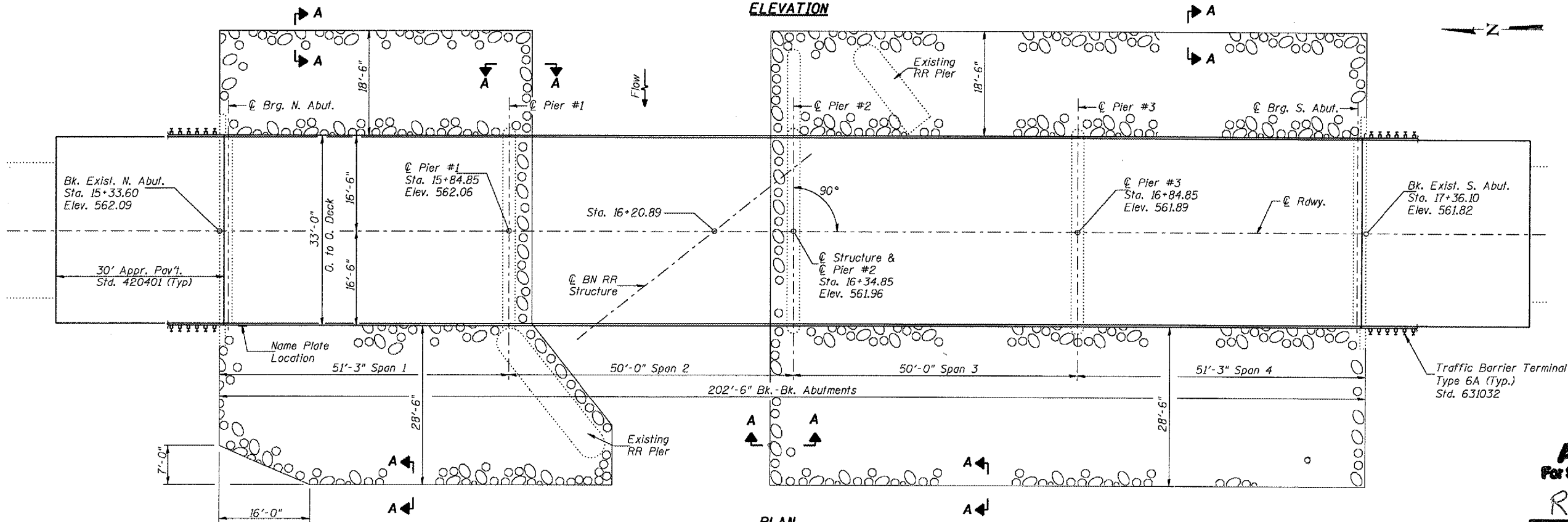
SN 069-0005 Built in 1927 and reconstructed in 1978. A four span 21" deep prestressed concrete deck beam superstructure, 202'-6" back to back abutments and 33'-0" O. to O. deck width with steel rails and concrete curbs supported on pile bent piers and abutments. The existing bridge superstructure shall be removed and replaced. Traffic to be detoured.

No Salvage

** ±13'-8" clearance to be checked in the field by the Engineer.



ELEVATION



PLAN

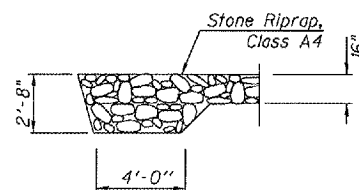
INDEX OF SHEETS

1. General Plan
2. General Notes & Bill of Material
3. Superstructure Details
4. Steel Railing, Type SM With HMA Wearing Surface
5. Rail Post Spacing, HMA WS Profile & Substructure Sections
6. Abutments
7. Pier 1 Repairs
8. Pier 2 Repairs
9. Pier 3 Repairs
10. Piers 1 & 3
11. Pier 2
12. Preformed Joint Detail

APPROVED
For Structural Adequacy Only

Ralph E. Anderson
Engineer of Bridges & Structures

DESIGNED	BAN
CHECKED	JOH
DRAWN	TC/TD
CHECKED	BAN



SECTION A-A

NOTE:
See Roadway plans for profile grade information.

LOADING HS20-44

No Allowance for future wearing surface.

DESIGN SPECIFICATIONS

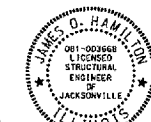
2002 AASHTO

DESIGN STRESSES
FIELD UNITS

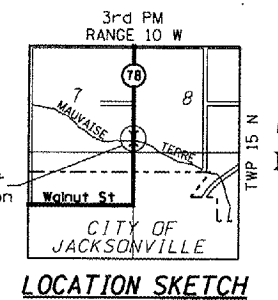
$f'_c = 3,500$ p.s.i.
 $f_y = 60,000$ p.s.i. (Reinforcement)

PRECAST PRESTRESSED UNITS

$f'_c = 5,000$ p.s.i.
 $f'_{ci} = 4,000$ p.s.i.
 $f'_s = 270,000$ p.s.i. ($\frac{1}{2}$ " ϕ low relaxation strands)
 $f'_{si} = 201,960$ p.s.i. ($\frac{1}{2}$ " ϕ low relaxation strands)



James O. Hamilton
8/24/2007
License Expires 11/30/2008



GENERAL PLAN
ILLINOIS ROUTE 78 OVER
MAUVAISE TERRE CREEK
F.A.P. 614 SEC. 148BR-2
MORGAN COUNTY
STATION 16+34.85
STR. NO. 069-0005

HUTCHISON ENGINEERING, INC.
JACKSONVILLE, ILLINOIS
Rev: _____ Date: _____