

B.M.: Chiseled "□" SE Corner of Bridge, Str. No. 069-0022
Sta. 726+71.1, 15.7' Rf., Elev. 615.78 (NAVD 88)

ROUTE NO.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 753	*	MORGAN	39	20
FEL ROAD EST. NO. 7	ILLINOIS	PROJECT	* 128BR-1	

CONTRACT NO. 72A89

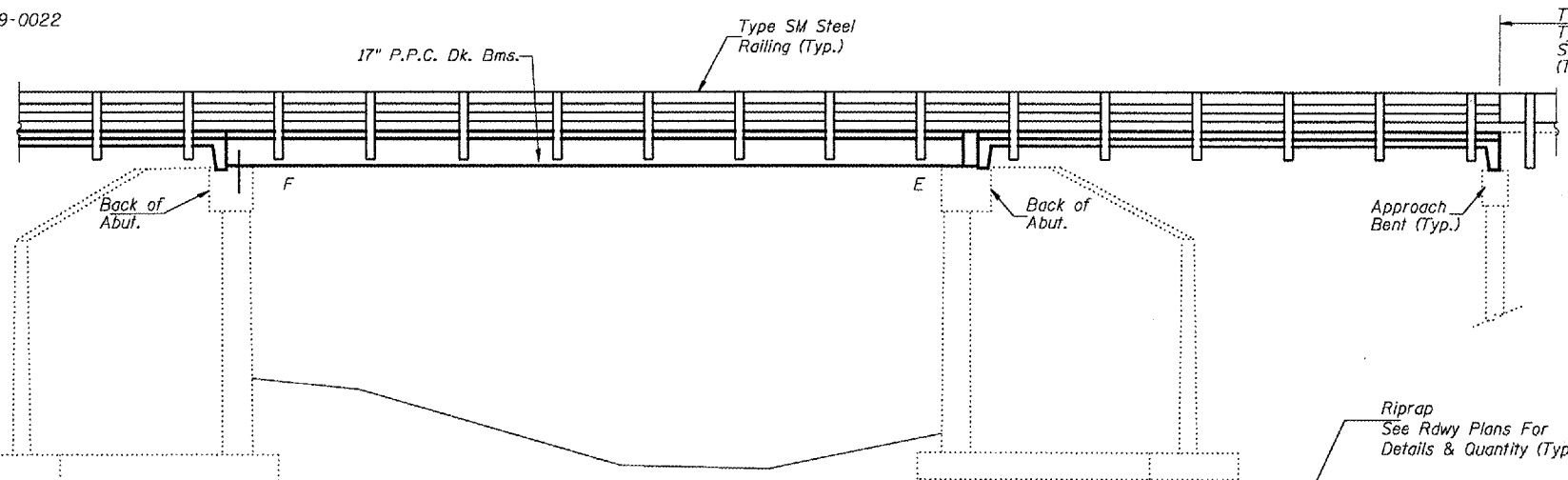
EXISTING STRUCTURE:

SN 069-0022 Built in 1934, Re-Built in 1971.
A single span 17" deep prestressed concrete deck beam superstructure, 44'-7 1/2" back to back abutments and 33'-0" clear roadway width with steel barrier rails on concrete closed abutments.

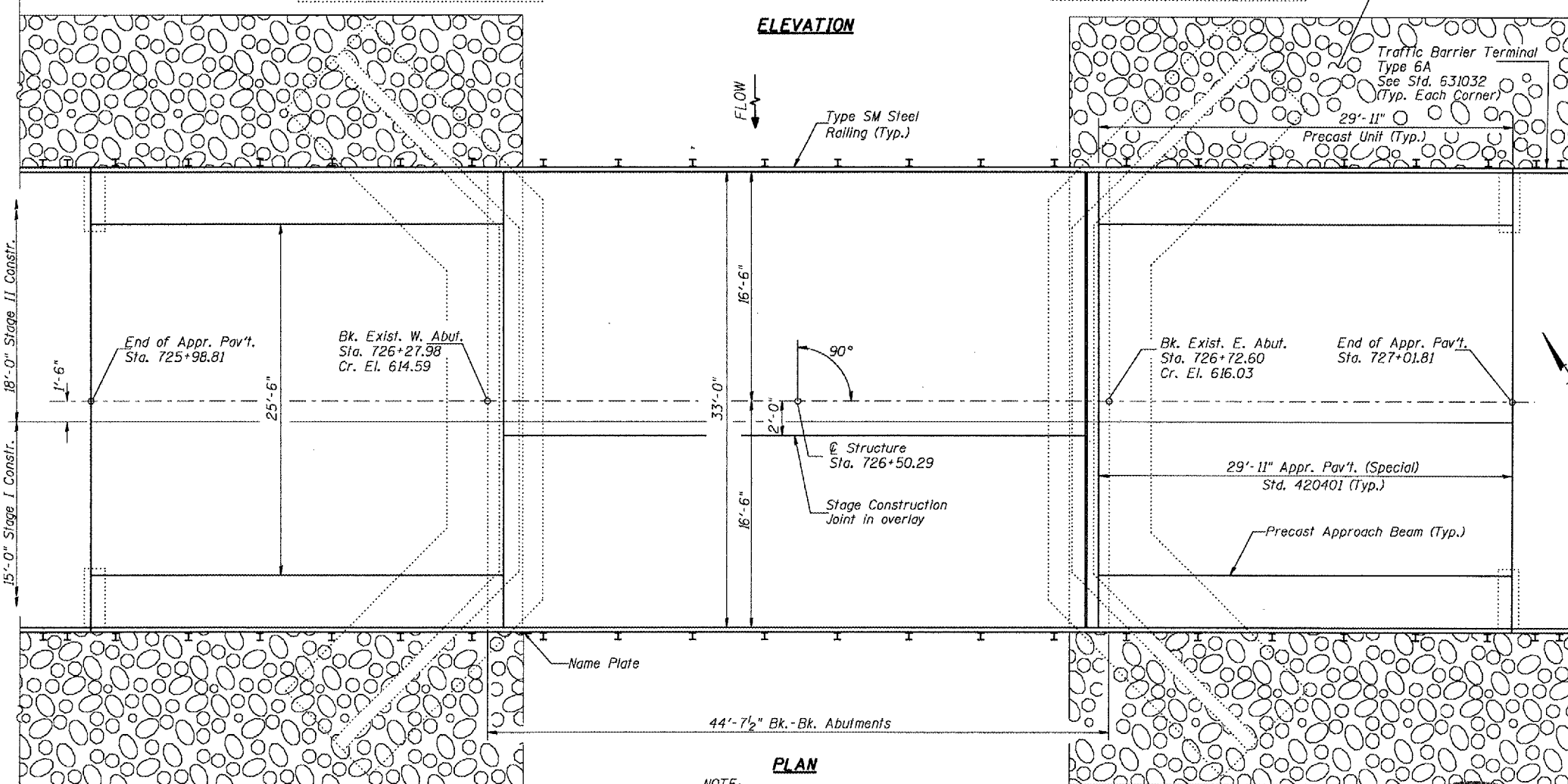
The existing superstructure is to be replaced with PPC Deck Beams and 5" (min.) Concrete Wearing Surface.

Traffic shall be maintained by utilizing Stage Construction.

No Salvage



ELEVATION



PLAN

NOTE:
See Roadway plans for profile grade information.

STATION 726+50.29
REBUILT 200 BY
STATE OF ILLINOIS
F.A.P. 753
SEC 128BR-1
LOADING HS20
STRUCTURE NO. 069-0022

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

LOADING HS20-44
Allow 50#/sq. ft. future wearing surface.

DESIGN SPECIFICATIONS
2002 AASHTO

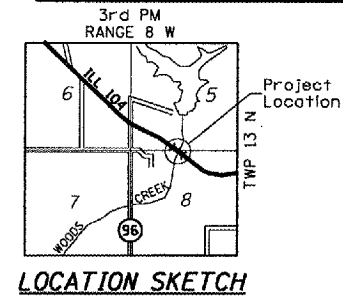
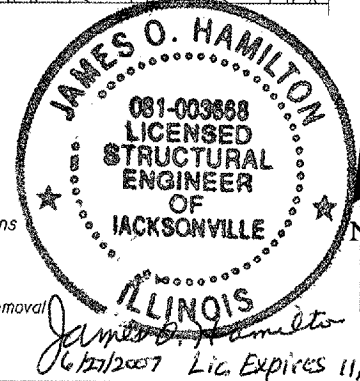
DESIGN STRESSES
FIELD UNITS
f'c = 3,500 p.s.i.
f'c = 5,000 p.s.i. (Concrete Wearing Surface)
fy = 60,000 p.s.i. (Reinforcement)

PRECAST PRESTRESSED UNITS
f'c = 5,000 p.s.i.
f'cl = 4,000 p.s.i.
f's = 270,000 p.s.i. (1/2" ϕ low relaxation strands)
f'si = 201,960 p.s.i. (1/2" ϕ low relaxation strands)

PRECAST NON-PRESTRESSED UNITS
f'c = 4,500 p.s.i.

INDEX TO SHEETS

- General Plan
- Stage Construction Details
- Temporary Concrete Barrier For Stage Construction
- Approach Details
- Deck Beam Details
- Overlay Details & Typical Sections
- Preformed Joint Strip Seal
- Steel Railing, Type SM
- Superstructure Details
- Abutment Concrete Repair & Removal
- Abutment Details
- Bar Splicer Assembly Details



LOCATION SKETCH

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub.	Total
Removal of Existing Superstructures	Each	-	-	1
Removal of Existing Precast Concrete Unit	Sq. Ft.	449	-	449
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq. Ft.	1,388	-	1,388
Precast Concrete Bridge Slab	Sq. Ft.	449	-	449
Concrete Structures	Cu. Yd.	-	2.1	2.1
Reinforcement Bars, Epoxy Coated	Pound	2,660	580	3,240
Steel Railing, Type SM	Foot	206	-	206
Concrete Wearing Surface, 5"	Sq. Yd.	205	-	205
Bridge Deck Grooving	Sq. Yd.	145	-	145
Structural Repair of Concrete (Depth equal to or less than 5")	Sq. Ft.	-	38	38
Name Plates	Each	-	-	1
Bar Splicers	Each	167	6	173
Protective Coat	Sq. Yd.	214	-	214
Asbestos Bearing Pad Removal	Each	22	-	22
Concrete Removal	Cu. Yd.	-	1.5	1.5
Preformed Joint Strip Seal	Foot	33	-	33

GENERAL PLAN
F.A.P. 753 (ILL 104) OVER
WOODS CREEK
SECTION 128BR-1
MORGAN COUNTY
STATION 726+50.29
STR. NO. 069-0022

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

DESIGNED	BAN
CHECKED	JOH
DRAWN	TC
CHECKED	BAN

NAME PLATE
See Std. 515001
Attach new name plate to back side of 8" rail element. Clean and re-locate existing name plate adjacent to new name plate. Cost included in the cost of "Name Plates".