

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INDEX OF SHEETS, SEE SHEET NO. 2

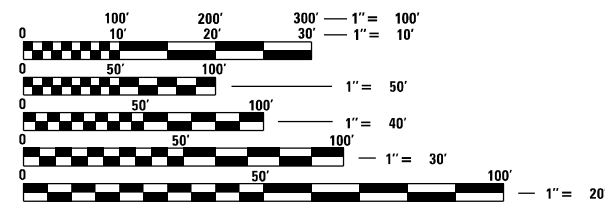
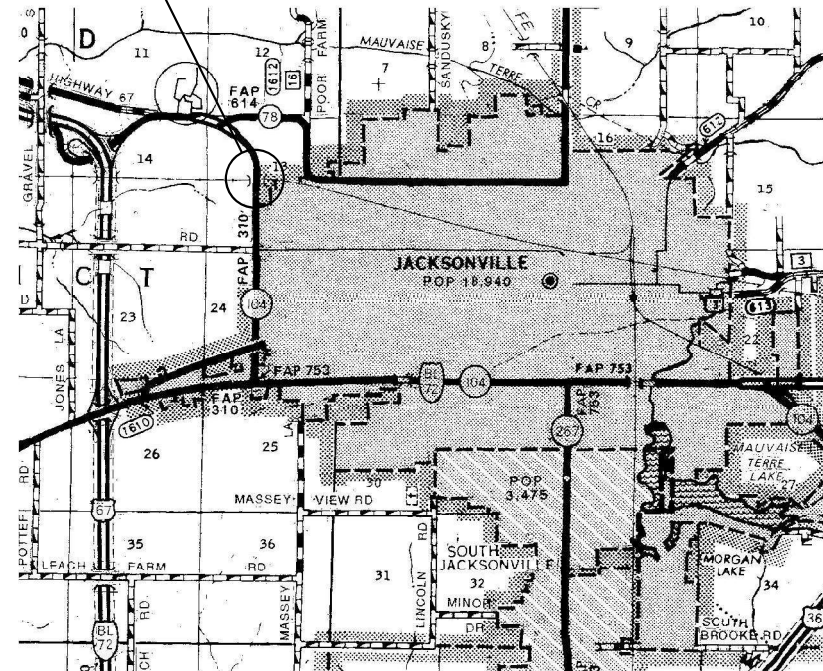
PROPOSED CONTRACT MAINTENANCE

**FAP ROUTE 310A (IL 104)
SECTION (69VBR)I
PROJECT (STATE)
EROSION REPAIRS
MORGAN COUNTY**

C-96-047-24



PROJECT LOCATION
SN 069-0019
IL 104 OVER NSRR
0.5 MI S IL 78

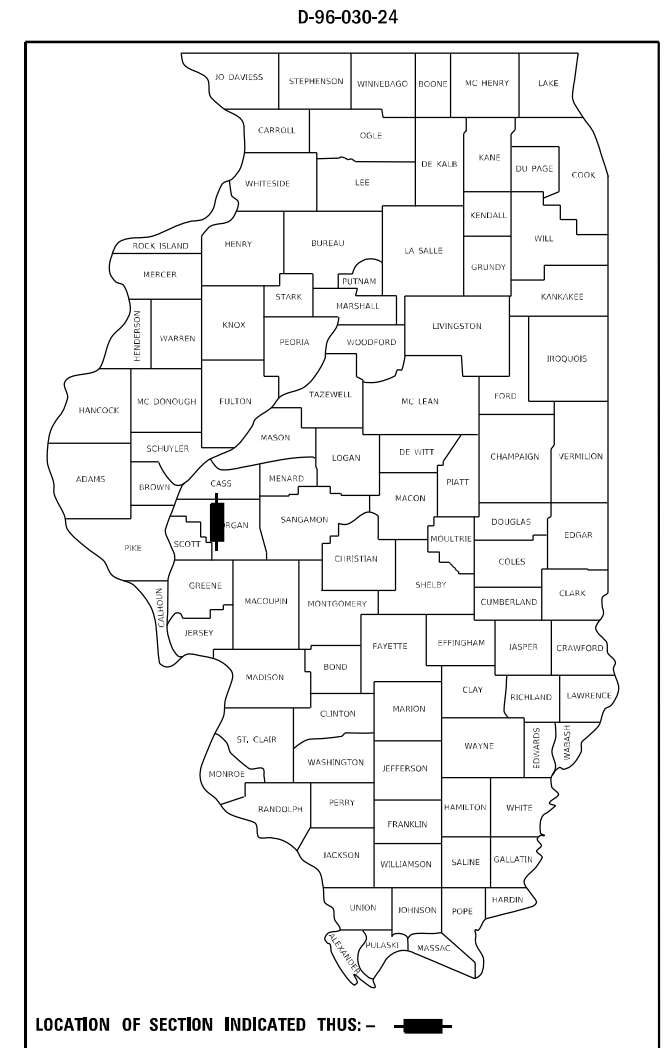


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

**J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811**

BRIDGE MAINTENANCE ENGINEER: BRANDON DUDLEY – (217) 785-9290

GROSS LENGTH = 144 FT. = 0.03 MILE
NET LENGTH = 144 FT. = 0.03 MILE

CONTRACT NO. 72913

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 7th 2025
Lora Remy CR REGIONAL ENGINEER
December 5th 2025
Scott Etk ENGINEER OF DESIGN AND ENVIRONMENT
December 5th 2025
Gray 5
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX, STANDARDS, SIGNATURES, & GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 BRIDGE PLAN
- 5 EXISTING BRIDGE PLANS

STANDARDS

- 000001-09
- 001001-02
- 001006
- 701001-02
- 701006-05
- 701201-05
- 701301-04
- 701901-11

GENERAL NOTES:

One Call services do not locate buried railroad signal and communications lines. The contractor shall contact the Railroad's representative two days in advance of work at those places where excavation, pile driving, or heavy loads may damage the Railroad's underground facilities. Upon request from the Contractor or Sponsor, Railroad forces will locate and paint mark or flag the Railroad's underground facilities. The Contractor shall avoid excavation or other disturbance of these facilities. If disturbance or excavation is required near a buried Railroad facility, the Contractor shall coordinate with the Railroad to have the facility potholed manually with careful hand excavation. The facility shall be protected by the Contractor during the course of the disturbance under the supervision and direction of the Railroad's representative. (See NS Public Projects Manual, Appendix E, Section 3.D)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICT 6

EXAMINED

January 27,

20

25



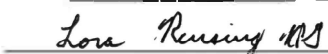
ENGINEER OF OPERATIONS

EXAMINED

January 27,

20

25



ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED

January 27,

20

25



ENGINEER OF PROGRAM DEVELOPMENT

REV - MS

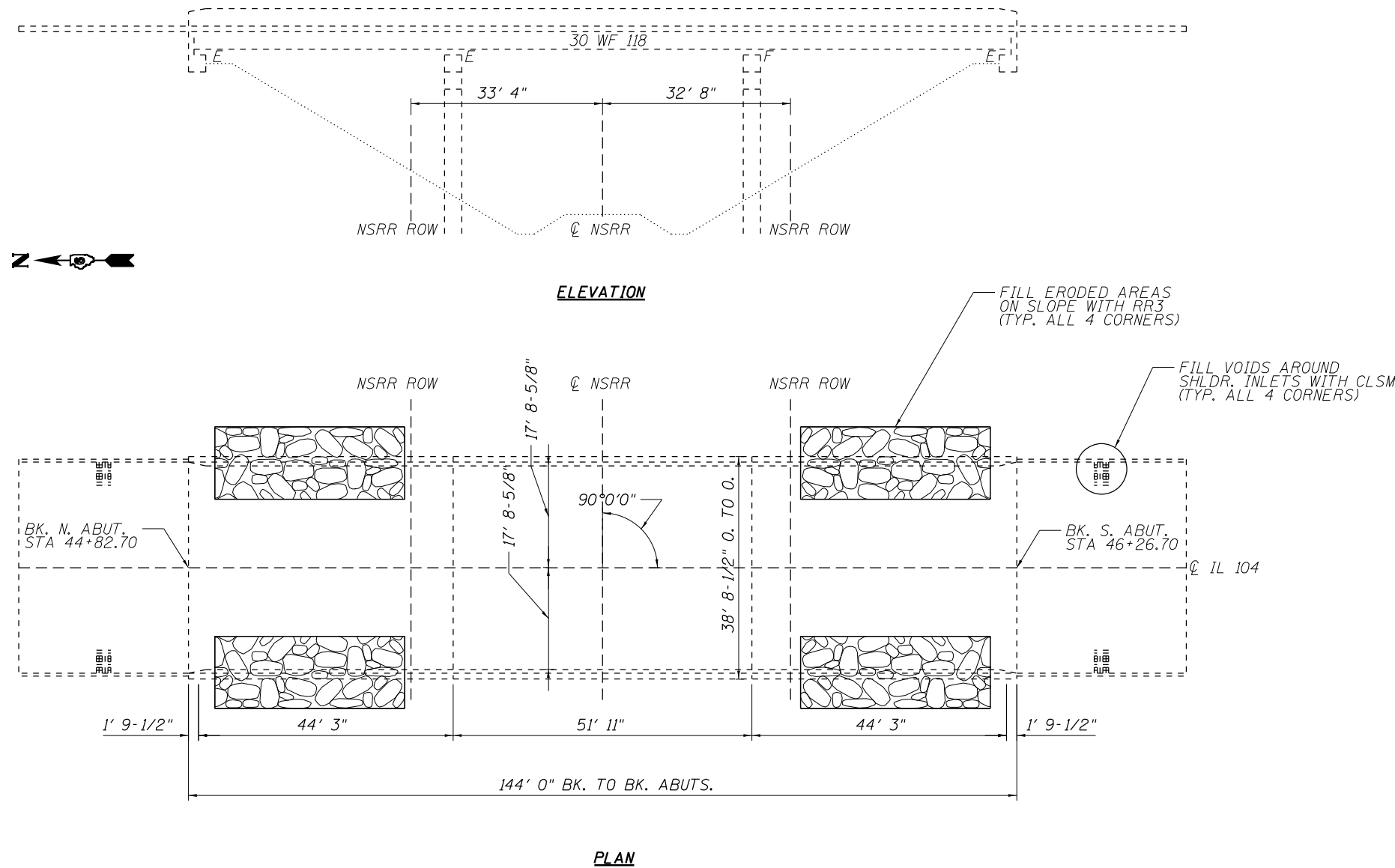
MODEL: Default
FILE NAME: StandardsBridgePlans_CAD72913 - 0690018_toronto1plan1sheet.dgn

	USER NAME = brandon.dudley	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STANDARDS, GENERAL NOTES, & SIGNATURES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						310A	(69VBR)I	MORGAN	5	2
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -						CONTRACT NO. 72913				
	PLOT DATE = 7/24/2025	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.			
				ILLINOIS FED. AID PROJECT									

MODEL: Default
FILE NAME: S:\Bridges\Bridgeplans_CAD\72913 - 0690019 riprap\plansheet.dgn

[illegible]

FILE NAME: S:\2025\11-27-25\11-27-25.dwg	USER NAME = brandon.dudley	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -						310A	(69VBR)I	MORGAN	4	3	
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -						CONTRACT NO. 72913					
	PLOT DATE = 1/27/2025	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.				
											ILLINOIS	FED. AID PROJECT		



STRUCTURE GENERAL NOTES:

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION 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 WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

TOTAL BILL OF MATERIAL (SN 069-0019)

ITEM	UNIT	QUANTITY
Stone Riprap, Class A3	Ton	100
Controlled Low-Strength Material	Cu Yd	5

MODEL Default
FILE Name: S:\Bridges\Bridges\plans_CAD\72913 - 0690019 Morgan\Sheet.dgn

USER NAME = brandon.dudley	DESIGNED - BRANDON DUDLEY	REVISED -
	DRAWN - BRANDON DUDLEY	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 7/24/2025	DATE - 1/11/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN & ELEVATION
SN 069-0019

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310A	(69VBR)I	MORGAN	5	4
CONTRACT NO. 72913				
ILLINOIS FED. AID PROJECT				

Bench Mark: Chiseled "□" NW handrail S.N. 069-0019 Sta. 29+196.97, 5.75 m Rt. Elev. = 195.378

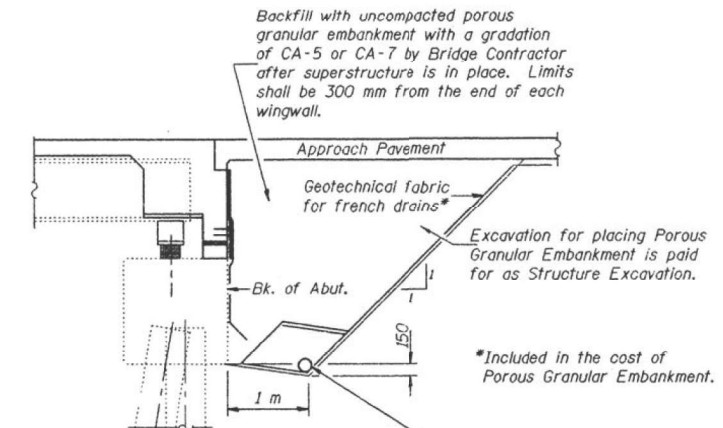
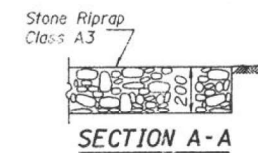
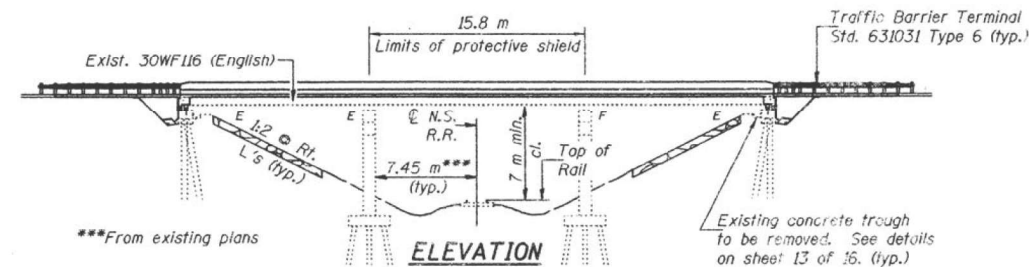
Existing Structure: S.N. 069-0019 Built 1961 as F.A. Rte. 92, Sec. 69VB. Existing structure consists of 3 span reinforced conc. deck on continuous steel WF stringers supported by pile bent spill-thru abuts. and pile supported hammerhead piers, 43.891 m Bk.-Bk. abuts., 10.871 m O.-O. deck. Concrete deck to be removed and replaced.

Traffic to be maintained using stage construction.

No salvage

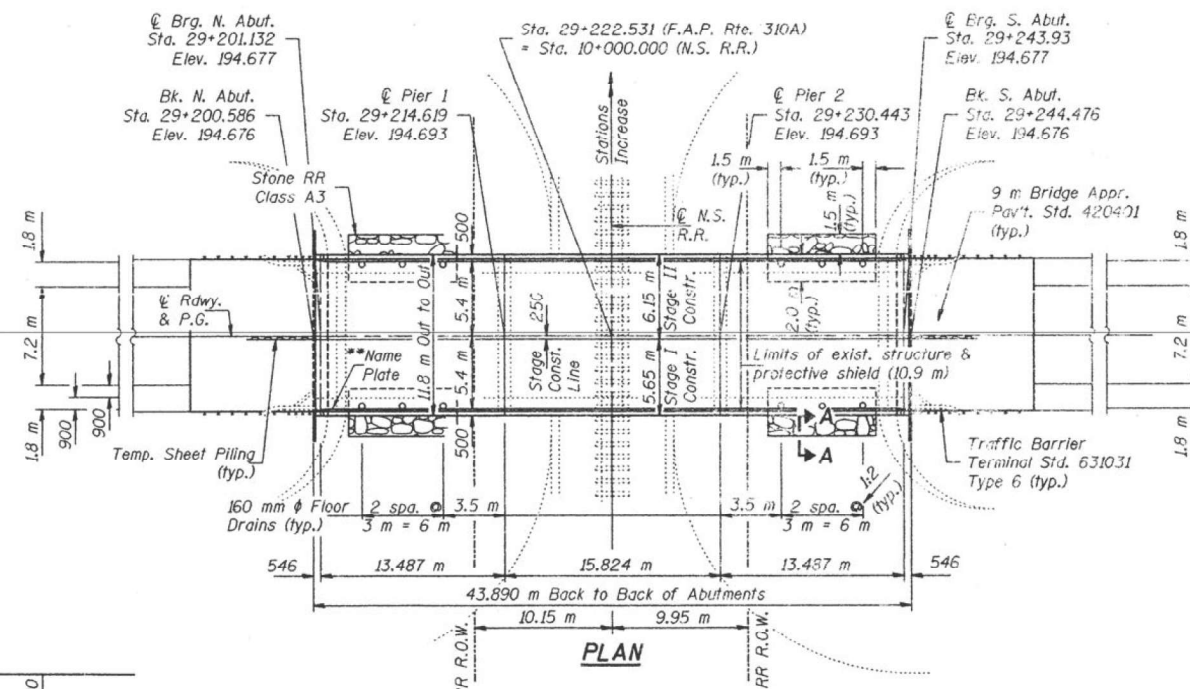
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 310A	69VBR	MORGAN	321	137
16 SHEETS				



A 160 mm ϕ perforated drain pipe shall be situated at the bottom of an approximate 600 mm x 600 mm area of porous granular embankment. The 600 mm x 600 mm area shall be wrapped completely in geotechnical fabric for french drains. Extend pipe parallel with the cap until intersecting with the sideslope and riprap.*

SECTION THRU SEMI-INTEGRAL ABUTMENT
Dimensions ϕ Rt. L's



STATION 29+222.531
REBUILT 200 BY
STATE OF ILLINOIS
F.A.P. RT. 310A SEC. 69VBR
PROJECT ACF-ACRHF-0005(365)
LOADING MS18
STRUCTURE NO. 069-0019

NAME PLATE
See Std. 515001
** Existing name plate to be cleaned and relocated next to the new name plate. Cost included with Name Plates.

CURVE DATA

(ϕ FAP Rte. 310A)
P.I. Sta. = 28+749.203
 $\Delta = 90^{\circ}08'47''$
 $D = 7^{\circ}38'54''$
 $R = 749.142$ m
 $T = 751.059$ m
 $L = 1178.664$ m
 $E = 311.661$ m
 $S.E. = 4.00\%$
P.C. Sta. = 27+998.145
P.T. Sta. = 29+176.809
S.E. Removed Sta. 29+160.139 (Full S.E.)
to Sta. 29+241.439 (Normal Crown)

LOADING MS18

Allow 1.2 kN/m² for future wearing surface.

DESIGN SPECIFICATIONS

1996 AASHTO with 1997, 1998 & 1999 Interims
1995 Seismic Retrofitting Guidelines for
Highway Bridges FHWA/RD-94/052

DESIGN STRESSES

FIELD UNITS

New Construction

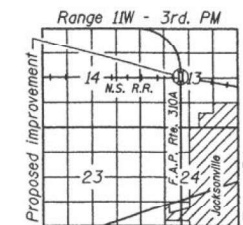
$f_c = 24$ MPa
 $f_y = 400$ MPa (reinforcement)
 $f_y = 250$ MPa (structural steel)
AASHTO M 270M, Gr. 250.

Existing Construction (English)

$f_c = 1,000$ psi (substructure)
 $f_s = 18,000$ psi (structural steel)
 $f_s = 20,000$ psi (reinforcement)

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 4.8%
Site Coefficient (S) = 1.2



GENERAL PLAN
ILLINOIS RT. 104/U.S. 67 OVER
NORFOLK SOUTHERN RAILROAD
F.A.P. RT 310A - SECTION 69VBR
MORGAN COUNTY
STATION 29+222.531
STRUCTURE NO. 069-0019

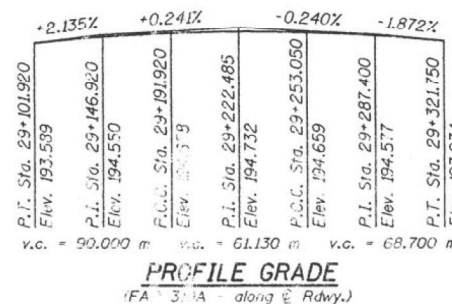
PROFILE GRADE
(NSRR - Top of Rail)

DESIGNED	May 8 Burke
CHECKED	Carly M. Enay
DRAWN	h.t. parsons
CHECKED	158/158

EXAMINED
PASSED
ENGINEER OF BRIDGES AND STRUCTURES



EXPIRES 11-30-2002



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS, SN 069-0019
(FOR INFORMATION ONLY)

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310A	(69VBR)	MORGAN	5	5
CONTRACT NO. 72913				

ILLINOIS FED. AID PROJECT