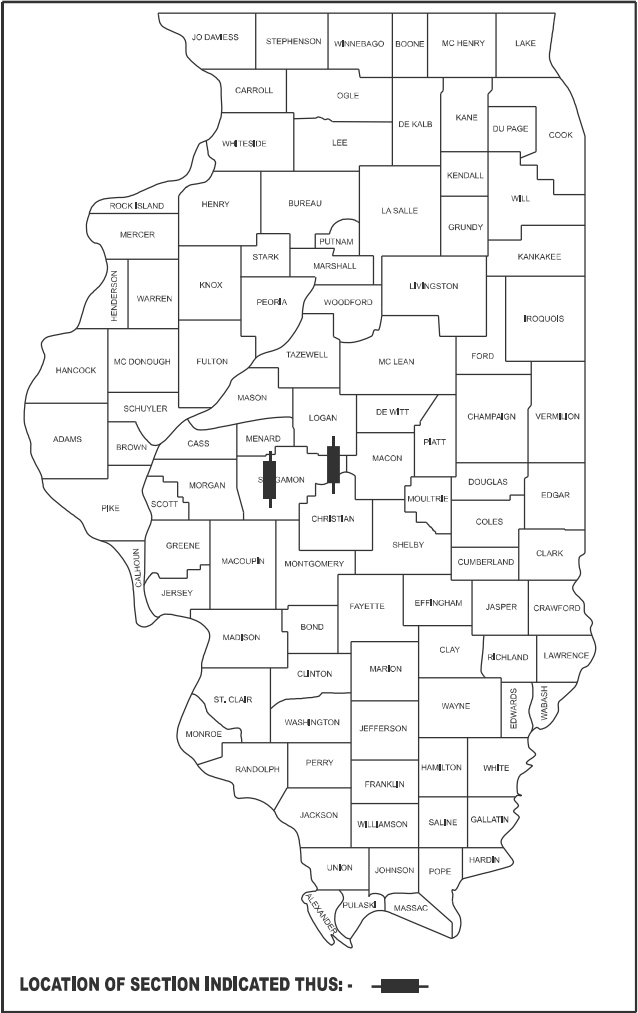


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-9-2HB-4,84-10-3HB-2)BP	SANGAMON	10	1
		ILLINOIS	CONTRACT NO. 72K80	

D-96-066-18



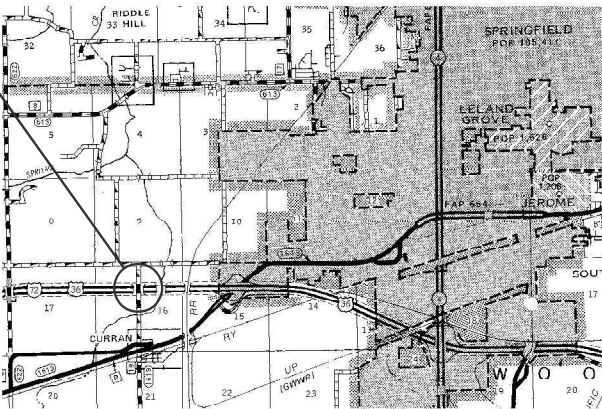
LOCATION OF SECTION INDICATED THUS: - ■ -

FOR INDEX OF SHEETS, SEE SHEET NO. 2

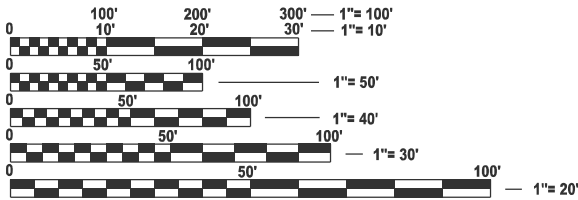
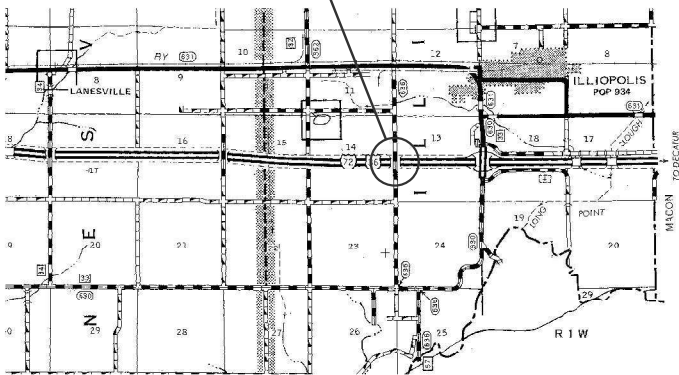
PROPOSED
HIGHWAY PLANS

FAI ROUTE 72, 72A (I-72)
SECTION (84-9-2HB-4,84-10-3HB-2)BP
PROJECT NHPP-6L3K(114)
BRIDGE PAINTING
SANGAMON COUNTY
C-96-114-18

LOCATION #1:
SN 084-0146
CURRAN RD OVER I-72
1 MI W WABASH AVE.



LOCATION #2:
SN 084-0161
CANTRELL RD OVER I-72
1 MI W ILLIOPOLIS INT.



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 EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: BRANDON DUDLEY - (217) 785-9290
PROJECT MANAGER

CONTRACT NO. 72K80

GROSS LENGTH = x.xx FT. = x.xxx MILE
NET LENGTH = x.xx FT. = x.xxx MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 14 2025
Teresa C. Price
REGIONAL ENGINEER
December 5 2025
Scott A. Etkin
ENGINEER OF DESIGN AND ENVIRONMENT
December 5 2025
James
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

HIGHWAY STANDARDS

INDEX OF SHEETS

- 1COVER SHEET
- 2INDEX, STANDARDS, GENERAL NOTES, & SIGNATURES
- 3SUMMARY OF QUANTITIES
- 4-7EXISTING BRIDGE PLANS, SN 084-0146
- 8-10EXISTING BRIDGE PLANS, SN 084-0161

- 000001-09
- 001006
- 701101-05
- 701106-02
- 701400-12
- 701402-12
- 701901-11
- 704001-08
- 782006-01

GENERAL NOTES:

1. WORK SHALL CONSIST OF BLASTING AND PAINTING STRUCTURAL STEEL AT LOCATIONS DESCRIBED IN THE SPECIAL PROVISIONS. CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES". ALL AREAS TO BE PAINTED SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING PER SSPC SP 10. ALL EXISTING STEEL CLEANED SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 - OZ/E/U. THE COLOR OF THE FINAL FINISH COATS SHALL BE AS DESCRIBED IN THE SPECIAL PROVISIONS.
- 2 THE USE OF AIR MONITORS WILL BE REQUIRED AT LOCATIONS AS CALLED OUT IN THE SPECIAL PROVISIONS.
3. THE SSPC-QP-1 AND SSPC-QP2 PAINTING CONTRACTOR CERTIFICATIONS WILL BE REQUIRED.
4. CARE SHALL BE TAKEN NOT TO DAMAGE RUBBER BEARING OR JOINT COMPONENTS DURING BLASTING AND CLEANING OPERATIONS. ANY DAMAGE TO THESE COMPONENTS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. RUBBER COMPONENTS SHALL NOT BE PAINTED.
5. UPON COMPLETION OF PAINTING OPERATIONS, THE CONTRACTOR SHALL REMOVE ALL DEBRIS FROM PIER OR ABUTMENT CAPS UPON WHICH PAINTING OPERATIONS TOOK PLACE. FINAL CLEANUP SHALL BE CONSIDERED INCIDENTAL TO THE PAINT PAY ITEM FOR THE RESPECTIVE LOCATION. THE ENGINEER SHALL HAVE THE RIGHT TO WITHOLD PAYMENT UNTIL SATISFACTORY CLEANUP IS ACHIEVED.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICT 6

EXAMINED October 10, 20 25

James C. Davis
ENGINEER OF OPERATIONS

EXAMINED Octobe r9, 20 25

Kyle P. Smith
ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED Oc bber 14, 20 25

M. V.
ENGINEER OF PROGRAM DEVELOPMENT

REV - MS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS,
GENERAL NOTES, & SIGNATURES

F.A.I RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-9-2HB-4,84-10-3HB-2)BP	SANGAMON	10	2
CONTRACT NO. 72K80				
ILLINOIS FED. AID PROJECT				

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

MODEL: index (Sheet)
FILE NAME: c:\pw\work\pvt\td\du\du\dev\m\4117638\72K80 plansheet.dgn

USER NAME = brandon.dudley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 7/30/2025	DATE -	REVISED -

MODEL: SOQ [Sheet]
FILE NAME: c:\p\work\pw\tdtdudley\cml117636\72K80 plansheet.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0-01379-6004	0-01379-6005
				NHPP 90/10	NHPP 90/10
				SN 084-0146	SN 084-0161
				0047-URBAN	0047-RURAL
				SANGAMON	SANGAMON
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	4	2	2
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	14	14
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1200	600	600
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1200	600	600
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	2	2
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	2	2
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1	0
Z0007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	L SUM	1	0	1
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1	0
Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1	0	1

B.M. #39 = (B.M. #302 State) - R.R. Spike in power pole 307' Ch. Sta. 472+40 (F.A. 408) Elev. 624.30

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
84-9	2HB-4	SANGAMON	37	12
SHEET NO. 12 SHEETS				

GENERAL NOTES

Concrete piles at approach bents shall be driven in holes precored through the embankment in accordance with Article 513.09 (c) of the Standard Specifications.

All reinforcement bars shall be lapped 24 diameters unless otherwise shown.

Fasteners shall be high strength bolts. Bolts 3/4", open holes 13/16", 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 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 supports. Field welding in other areas will be permitted only when approved by the Engineer.

Anchor bolts shall be set before bolting diaphragms over supports.

Slope wall shall be reinforced with welded wire fabric 6" x 6" mesh, weighing 52 lb. per 100 sq. ft.

The Contractor shall drive two concrete test piles in permanent locations one each at the So. Abut. and Pier as directed by the Engineer before ordering the remainder of the piles.

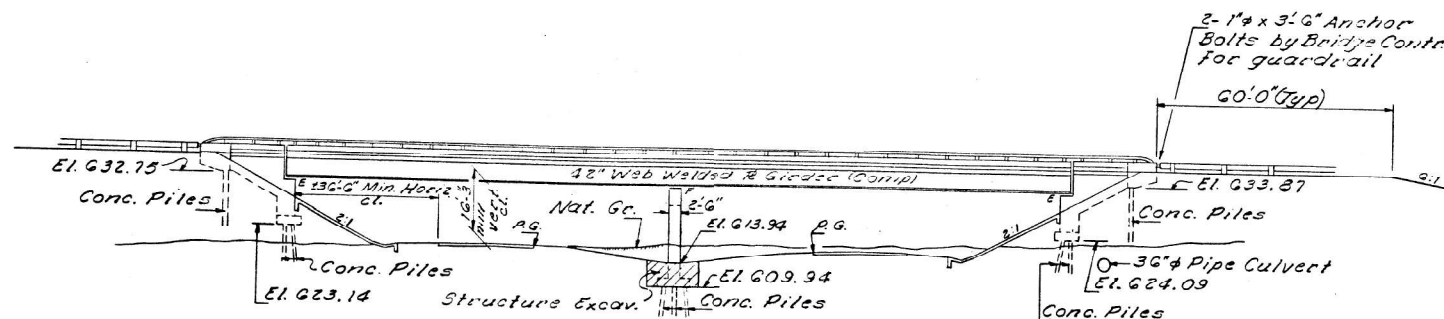
The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.

The concrete rail section above the mandatory Concrete at the top of the slab shall be constructed of Class X Concrete, except the aggregates shall conform to the requirements of Handrail Concrete.

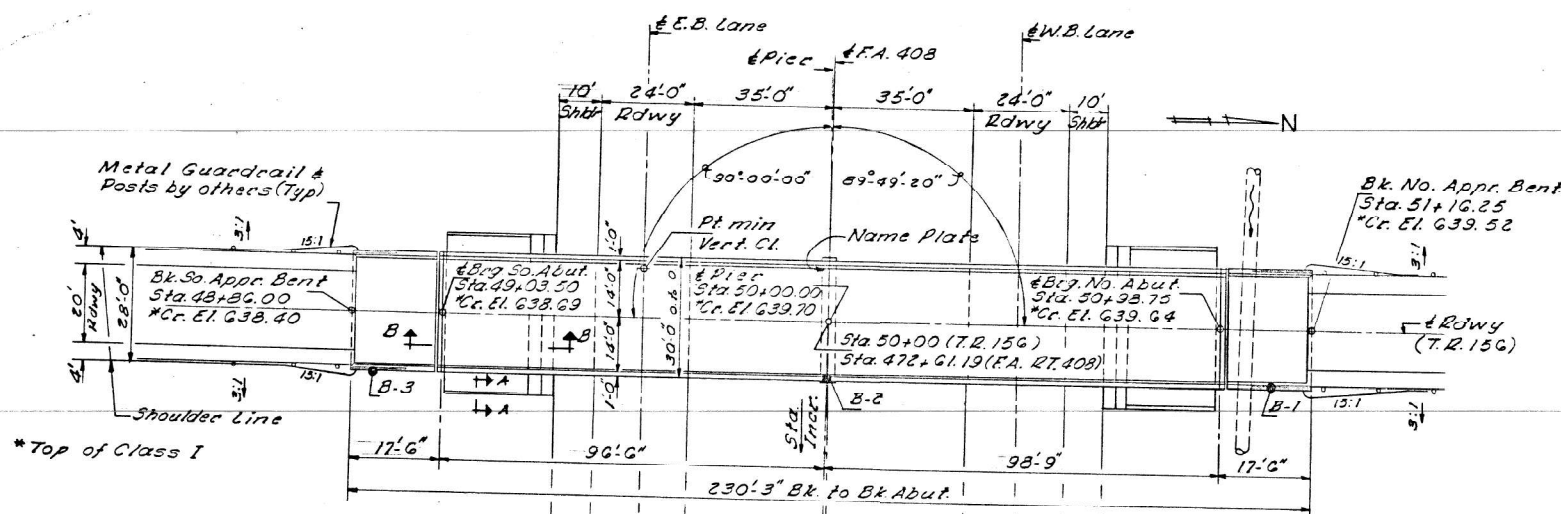
Calculated weight of structural steel: 169720 lb. Protective Coat shall not be applied to surfaces to which Coal Tar Interlayer Protective Coat is applied.

TOTAL BILL OF MATERIAL

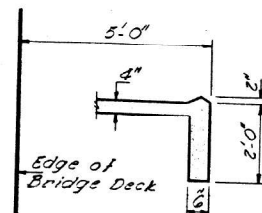
Item	Unit	Super	Sub	Total
Sand Backfill	Cu Yds			103
Structure Excavation	Cu Yds		51.0	51.0
Protective Coat	Sq Yds	180		180
Class X Concrete	Cu Yds	130.3	155.2	285.5
Structural Steel	Lbs			1
Stud Shear Connectors	Ea	1512		1512
Aluminum Railing	Lin Ft	479		479
Reinforcement Bars	Lbs	51320	19650	70970
Concrete Piles	Lin Ft		1278	1278
Test Piles (Concrete)	Ea		2	2
Name Plates	Ea		1	1
Slope Wall (4")	Sq Yds		332	332
Preformed Joint Sealer	Lin Ft	60		60
Bit Conc. Surface Course Class I	Tons	56.9		56.9
Coal Tar Interlayer Protective Coat	Sq Yds	681		681



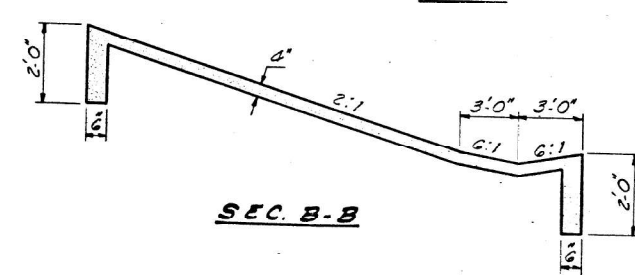
ELEVATION



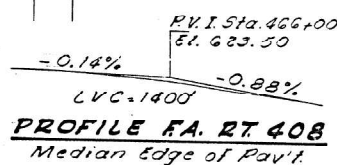
PLAN



SEC. A-A



SEC. B-B



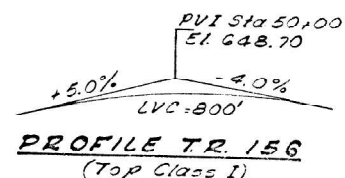
PROFILE FA. RT 408
Median Edge of Pav't.

DESIGN STRESSES

$f_c = 1200$ psi Deck Slab (Spans 2 & 3)
 $f_c = 1400$ psi Curb, Parapet, Sub. & Appr. (Spans 1 & 4)
 $f_s = 20,000$ psi Reinforcement
 $f_s = 20,000$ psi Structural
 $V_c = 75$ psi Footing
 $n = 10$

Loading HS 15-44

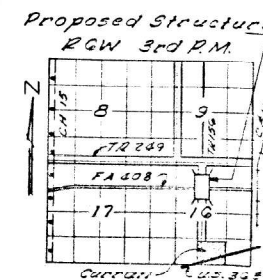
Note:
Allow 25#/sq ft. for future wearing surface



PROFILE TR. 156
(Top Class I)

STATION 472+61.19
BUILT 197 BY
STATE OF ILLINOIS
FA. RT 408 SB-4-9-2HB-4
FA. PROJ. EBF-408-2(8)
LOADING HS 15

NAME PLATE
(See Std. 2113)



LOCATION SKETCH

GENERAL PLAN ELEVATION
PROJ. EBF-408-2(8)
TR. 156 OVER FA. RT 408
FA. RT 408 SB-4-9-2HB-4
SANGAMON COUNTY
STATION 472+61.19

#79 12-12-72

6-93

DESIGNED	Brandon S. (w)
CHECKED	J. Kessler
DRAWN	P.S.L.
CHECKED	S.T.

EXAMINED	Aug 3, 1972
PASSED	W. B. Bauman
APPROVED	J. J. Hoffmann

USER NAME	= brandon.dudley	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 7/30/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

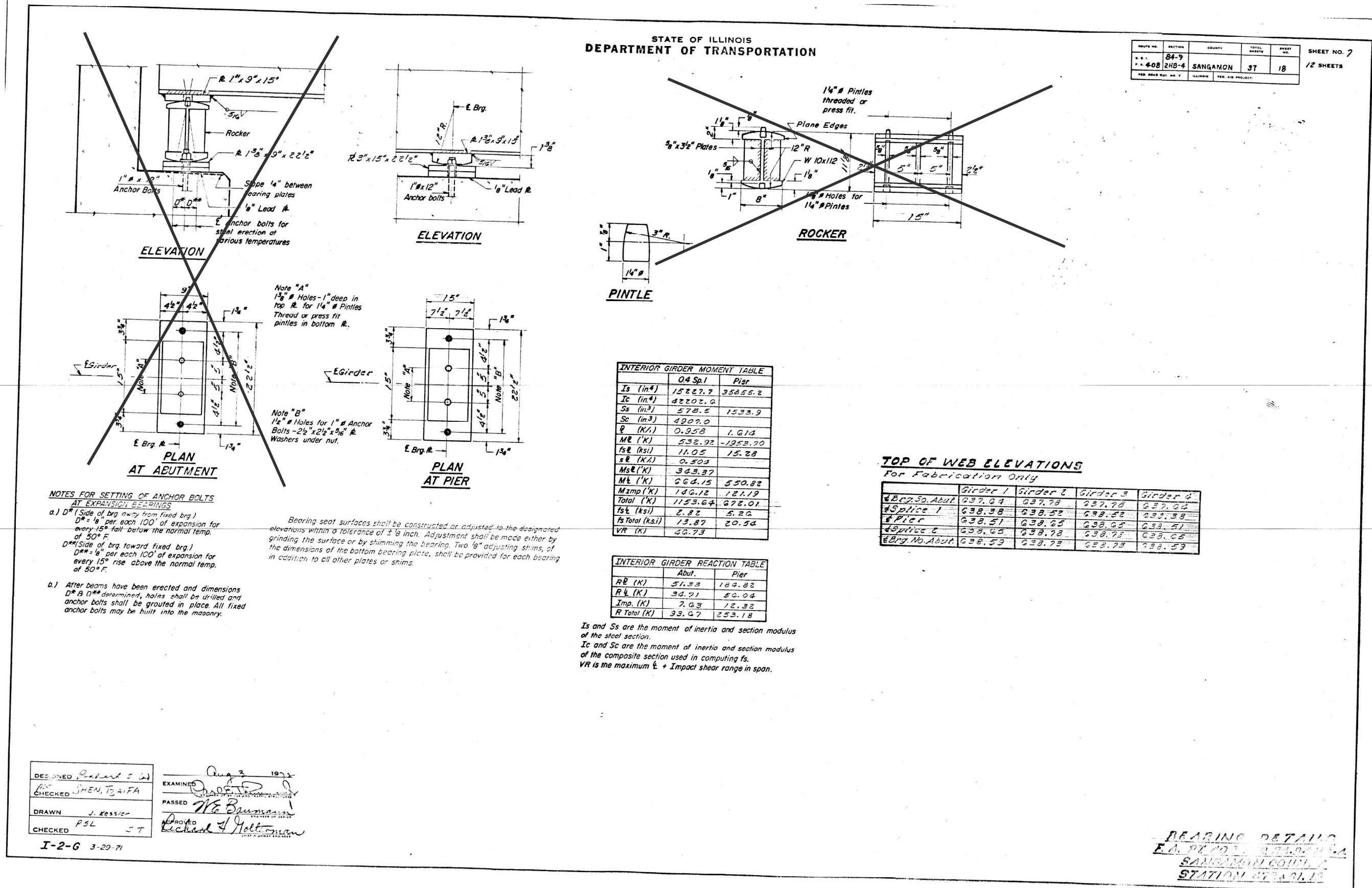
EXISTING BRIDGE PLANS, SN 084-0146
(FOR INFORMATION ONLY)

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-9-2HB-4, 84-10-3HB-2)BP	SANGAMON	10	4
CONTRACT NO. 72K80				

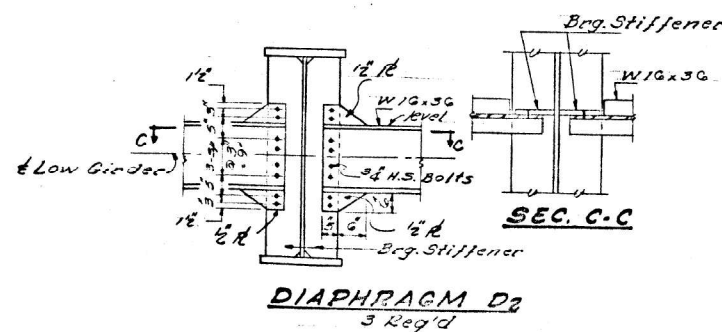
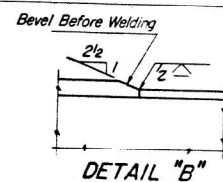
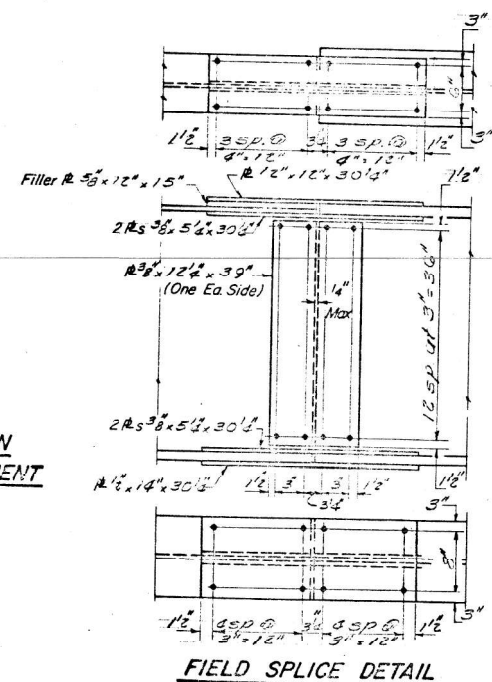
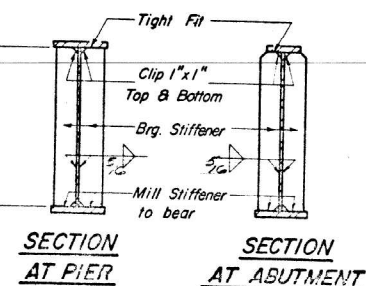
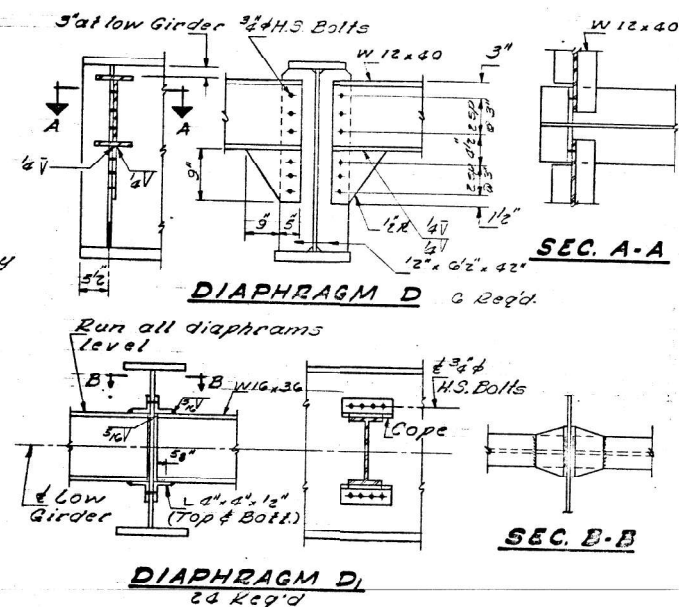
ILLINOIS FED. AID PROJECT

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
B. S. I. F. A. 408	B4-9 2HB-4	SANGAMON	37	19
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT.		

SHEET NO. 8
12 SHEETS



EXAMINED Carol F. J.
MEMBER OF BOARD OF SAFETY AND TRAFFIC STRUCTURES
PASSED W.E. Baumann
ENGINEER OF HIGHWAYS
APPROVED Richard H. Holtzman

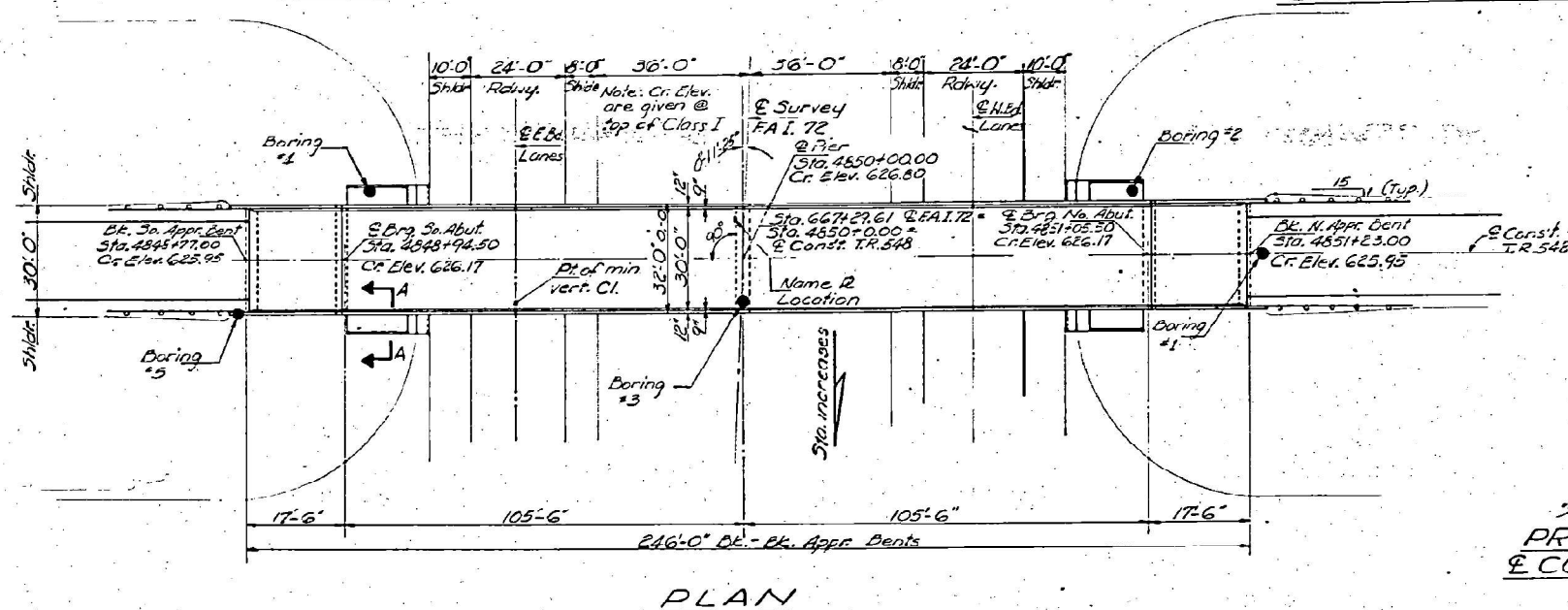
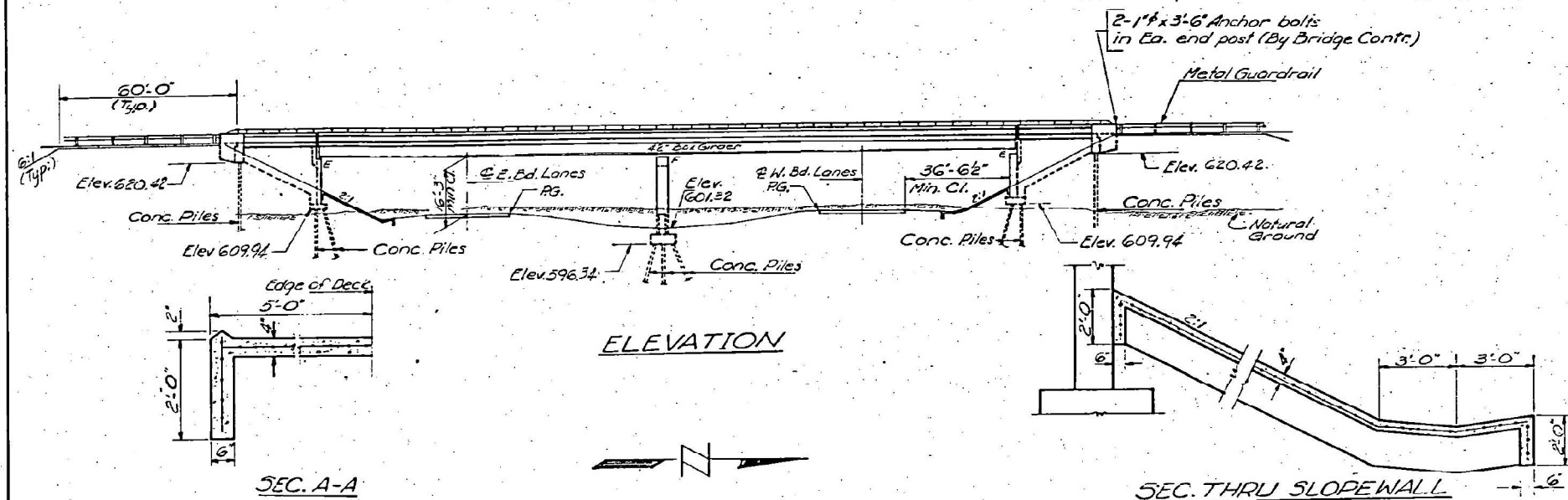
SPLICE & GIRDER DETAILS
E.A. RT 400 SEC. 84-9-2H2-4
SANGAMON COUNTY
STATION 672+61.19



B.M. = 55 R.R. Splice in RR 190' left S. 29. 667+15 (I-72)
Elev. 606.687

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

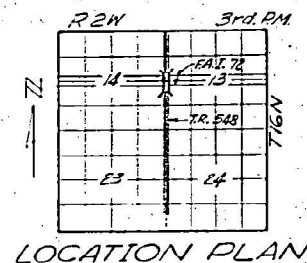
PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
84-10	3HB-2	SANGAMON	38	11
SHEET NO. 11				



STATION 667+29.61
BUILT 197 BY
STATE OF ILLINOIS
FAI RTE. 72 SEC. 84-10-3HB-2
PROJ. I-72-1(25)
LOADING HS15

NAME PLATE
See Std. 2113

PROFILE GRADE AT
E CONST. T.R. 548



DESIGN STRESSES

$f_c = 1200$ psi Deck Slab
 $f_c = 1400$ psi Curb, Parapet, Sub & Appr. Slab
 $f_s = 20000$ psi Reinf.
 $f_s = 20,000$ psi Structural
 $v_c = 75$ psi Ftgs.
 $n = 10$
Design Specifications 1969 AASHTO
(as applicable)
Allow for 25% 15g. Ft. for Future H3.
LOADING HS15-44

GENERAL NOTES

All reinforcement bars shall be lapped 24 diameters unless otherwise shown.
Fasteners shall be high strength bolts. Bolts $\frac{3}{4}$ inch open holes $\frac{13}{16}$ inch; unless otherwise noted.
Calculated weight of Structural Steel = 210,700 pounds.
The basic lead silica 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 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 supports.
Field welding in other areas will be permitted only when approved by the Engineer.
Anchor bolts shall be set before bolting diaphragms over supports.
Slope wall shall be reinforced with welded wire fabric 6"x6" mesh, weighing 58# per 100sq. ft.
The Contractor shall drive one (1) concrete test pile in a permanent location at Pier as directed by the Engineer before ordering the remainder of piles.
The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.
The concrete rail section above the mandatory construction joint at the top of the slab shall be constructed of Class X Concrete, except the aggregates shall conform to the requirements of Standard Concrete.
Protective Coat shall not be applied to surfaces to which Coal Tar Interlayer Protective Coat is applied.
All interior surfaces of Box Girders shall be given two shop coats of paint and spot painted in the field after cross frames and forms are removed. No additional field coat will be required for interior surfaces.
Concrete piles at bents shall be driven in holes precored through the embankment in accordance with Art. 513.09(c) of the Std. Specifications.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Structure Excavation	Cu. Yd.		85	85
Sand Backfill	Cu. Yd.		140	140
Bituminous Concrete Surface				
Course Class I	Ton	66		66
Protective Coat	Sq. Yd.	191		191
Class X Concrete	Cu. Yd.	2549	160.8	415.7
Structural Steel	Lump Sum	1		1
Stud Shear Connectors	Ea.	1680		1680
Aluminum Railing	Lin. Ft.	506		506
Reinforcement Bars	Pound	61130	19130	80280
Concrete Piles	Lin. Ft.		1696	1696
Test Piles Concrete	Ea.		1	1
Name Plates	Ea.		1	1
Slope Wall (4")	Sq. Yd.		334	334
Coal Tar Interlayer Protective Coat	Sq. Yd.	776		776
Preformed Joint Sealer	Lin. Ft.	64		64

GENERAL PLAN & ELEVATION
PROJECT I-72-1(25)
TR 548 OVER FAI. RTE. 72
FAI. RTE. 72 SEC. 84-10-3HB-2
SANGAMON COUNTY
STA. 667+29.61

DESIGNED: [Signature]
CHECKED: [Signature]
DRAWN: [Signature]
CHECKED: [Signature]

EXAMINED: [Signature]
PASSED: [Signature]
APPROVED: [Signature]

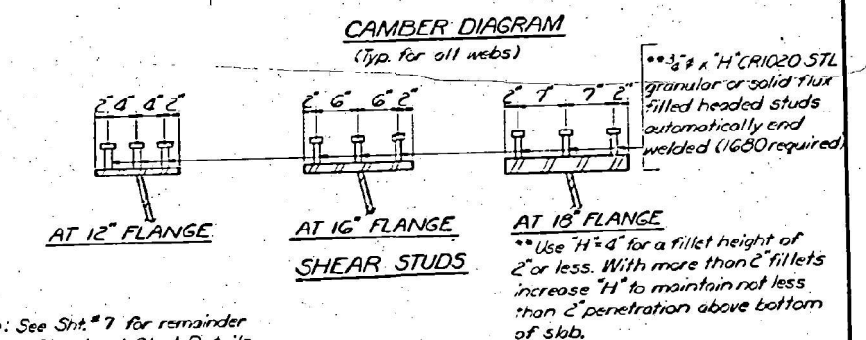
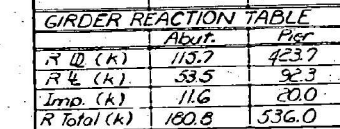
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS, SN 084-0161
(FOR INFORMATION ONLY)

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-9-2HB-4, 84-10-3HB-2)BP	SANGAMON	10	8
CONTRACT NO. 72K80				

ILLINOIS FED. AID PROJECT



Note: See Sht. # 7 for remainder
of Structural Steel Details

STRUCTURAL STEEL
F.A.I. RT. 72 SEC. 84-10-3HB-2
SANGAMON COUNTY
STATION 667+29.61

