

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
164	*	WAYNE	20	1
		ILLINOIS	CONTRACT NO. 74D63	

\* D7 BRIDGE PAINTING 2026-2

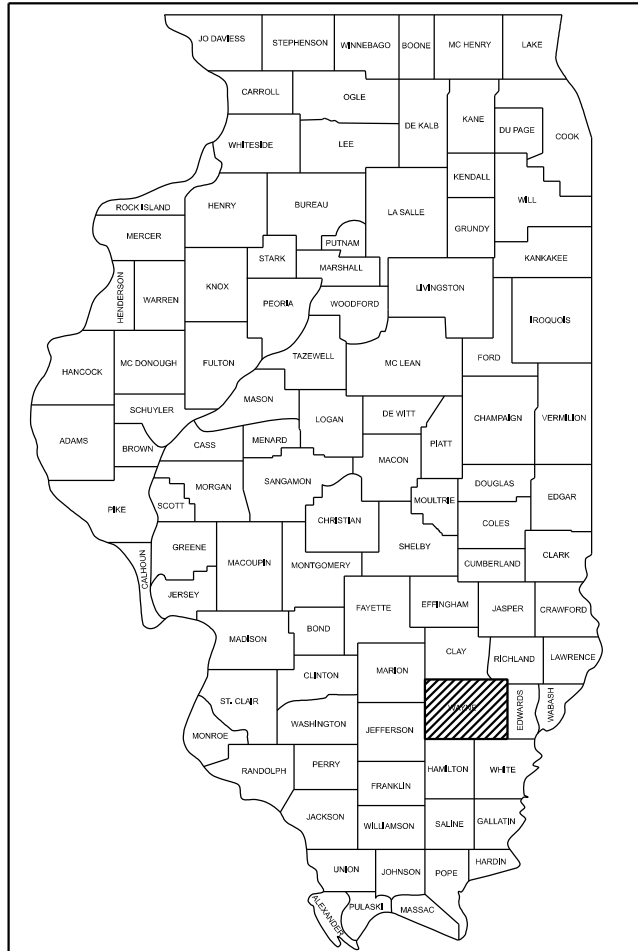
D-97-032-25

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
ADT = 5,500 (2025)

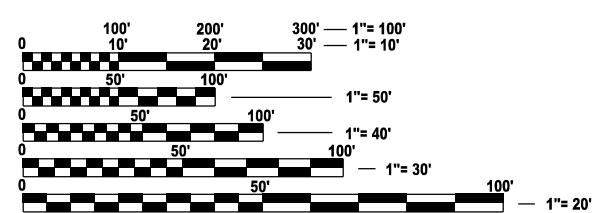
# PROPOSED HIGHWAY PLANS

FAI ROUTE 64 (I-64)  
SECTION: D7 BRIDGE PAINTING 2026-2  
PROJECT: NHPP- VF59(144)  
BRIDGE PAINTING  
WAYNE COUNTY

C-97-063-25

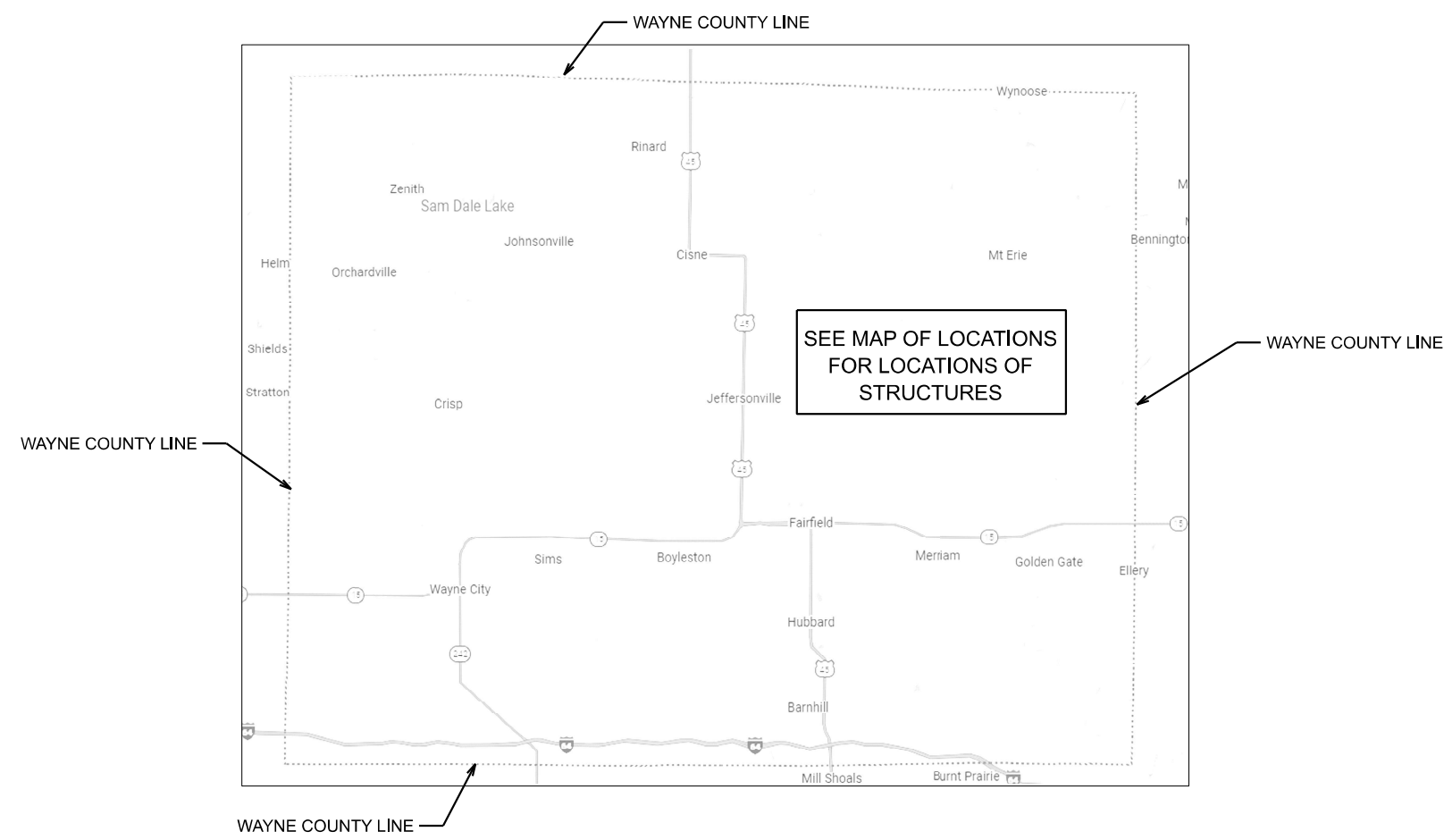


LOCATION OF SECTION INDICATED THUS: - [hatched box] OR [solid black box]



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: KALEB HIRTZEL  
PROJECT MANAGER: KYLE PRICE

CONTRACT NO. 74D63

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED January 29, 2026  
*Teresa C. Price*  
REGIONAL ENGINEER

March 20, 2026  
*[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

March 20, 2026  
*[Signature]*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

**GENERAL NOTES**

**INDEX OF SHEETS**

SHEET No.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS AND LOCATION DESCRIPTIONS
3	SUMMARY OF QUANTITIES
4	MAP OF LOCATIONS
5-20	EXISTING STRUCTURE DETAILS

**LEAD PAINT**

LOCATIONS - #1, #2, #3, #4

COLOR OF THE FINISH COAT SHALL BE GRAY, MUNSELL 5B 7/1.

ALL STRUCTURAL STEEL, INCLUDING BEAMS, BEARINGS, AND DIAPHRAGMS SHALL BE CLEANED BY NEAR WHITE METAL BLAST CLEANING - SSPC-SP10.

THIS STRUCTURE CONTAINS LEAD PAINT.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE METAL BLAST CLEANING - SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 - OZ /E /U.

**LOCATION #1**

BRIDGE: 096-0036  
 ROUTE: 2175 EAST  
 MARKED: COUNTY ROAD 25 NORTH  
 STATION: 4468+02.59  
 SN: 096-0036  
 FEATURE CROSSED: I-64

1 AIR MONITOR SHALL BE REQUIRED AT THIS LOCATION

**LOCATION #3**

BRIDGE: 096-0042 WB  
 ROUTE: FAI 64  
 MARKED: I-64  
 STATION: 984+49.39  
 SN: 096-0041  
 FEATURE CROSSED: SKILLET FORK LAGOON

0 AIR MONITORS SHALL BE REQUIRED AT THIS LOCATION

**LOCATION #2**

BRIDGE: 096-0041 EB  
 ROUTE: FAI 64  
 MARKED: I-64  
 STATION: 3985+72  
 SN: 096-0042  
 FEATURE CROSSED: SKILLET FORK LAGOON

0 AIR MONITORS SHALL BE REQUIRED AT THIS LOCATION

**LOCATION #4**

BRIDGE: 096-0060  
 ROUTE: FAI 64  
 MARKED: I-64  
 STATION: 4622+94.91  
 SN: 096-0060  
 FEATURE CROSSED: POND CREEK

0 AIR MONITORS SHALL BE REQUIRED AT THIS LOCATION

**HIGHWAY STANDARDS**

STD. NO.	DESCRIPTION
000001 - 09	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006 -	DECIMAL OF AN INCH AND OF A FOOT
643001 - 03	SAND MODULE IMPACT ATTENUATORS
701001 - 02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006 - 05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701101 - 05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106 - 02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701201 - 05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701400 - 12	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401 - 13	LANE CLOSURE, FREEWAY / EXPRESSWAY
701402 - 12	LANE CLOSURE, FREEWAY / EXPRESSWAY, WITH BARRIER
701901 - 11	TRAFFIC CONTROL DEVICES
704001 - 08	TEMPORARY CONCRETE BARRIER

MODEL: GENERAL NOTES (Sheet)  
 FILE NAME: c:\pwworking\kyle.price@illinois.gov\d121996\074D63-GENERAL NOTES.dgn

USER NAME = kyle.price	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS AND LOCATION DESCRIPTIONS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN -	REVISED -			I 64	*	WAYNE	20	2	
	CHECKED -	REVISED -			CONTRACT NO. 74D63					
PLOT DATE = 1/28/2026	DATE -	REVISED -			SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.

MODEL: Summary of Qty (Sheet)  
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				BRIDGE 0047	VARIOUS
67100100	MOBILIZATION	L SUM	1	1	
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	4	4	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1	
70400100	TEMPORARY CONCRETE BARRIFR	FOOT	1200	1200	
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	100	100	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1200	1200	
70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	4	
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	4	4	
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1	
Z0007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	L SUM	1	1	
Z0007103	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 3	L SUM	1	1	
Z0007104	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 4	L SUM	1	1	
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				BRIDGE 0047	VARIOUS
Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1	1	
Z0010503	CLEANING AND PAINTING STEEL BRIDGE NO. 3	L SUM	1	1	
Z0010504	CLEANING AND PAINTING STEEL BRIDGE NO. 4	L SUM	1	1	

USER NAME = kyle.price	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/28/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

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

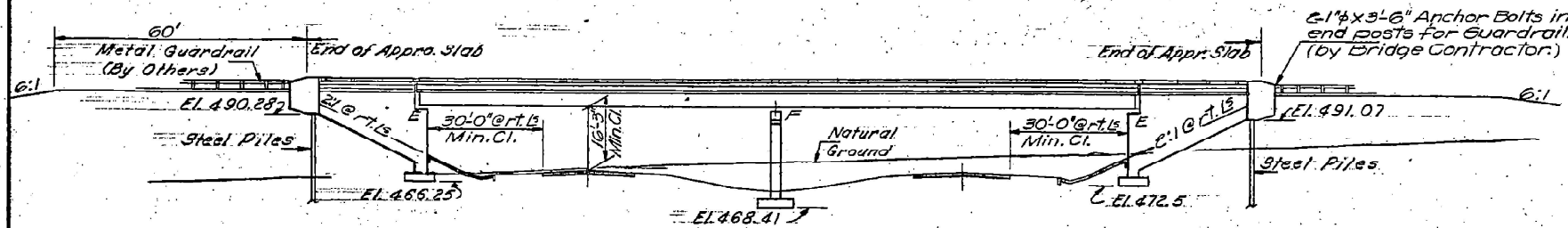
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
164	*	WAYNE	20	3
CONTRACT NO. 74D63				
ILLINOIS FED. AID PROJECT				



E.M.: #28-415 Rt. Sta. 4467+97 F.A.I. 64  
 Conc. Nail in East side of 12" Tree, El. 467.49

STATE OF ILLINOIS  
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
 DIVISION OF HIGHWAYS

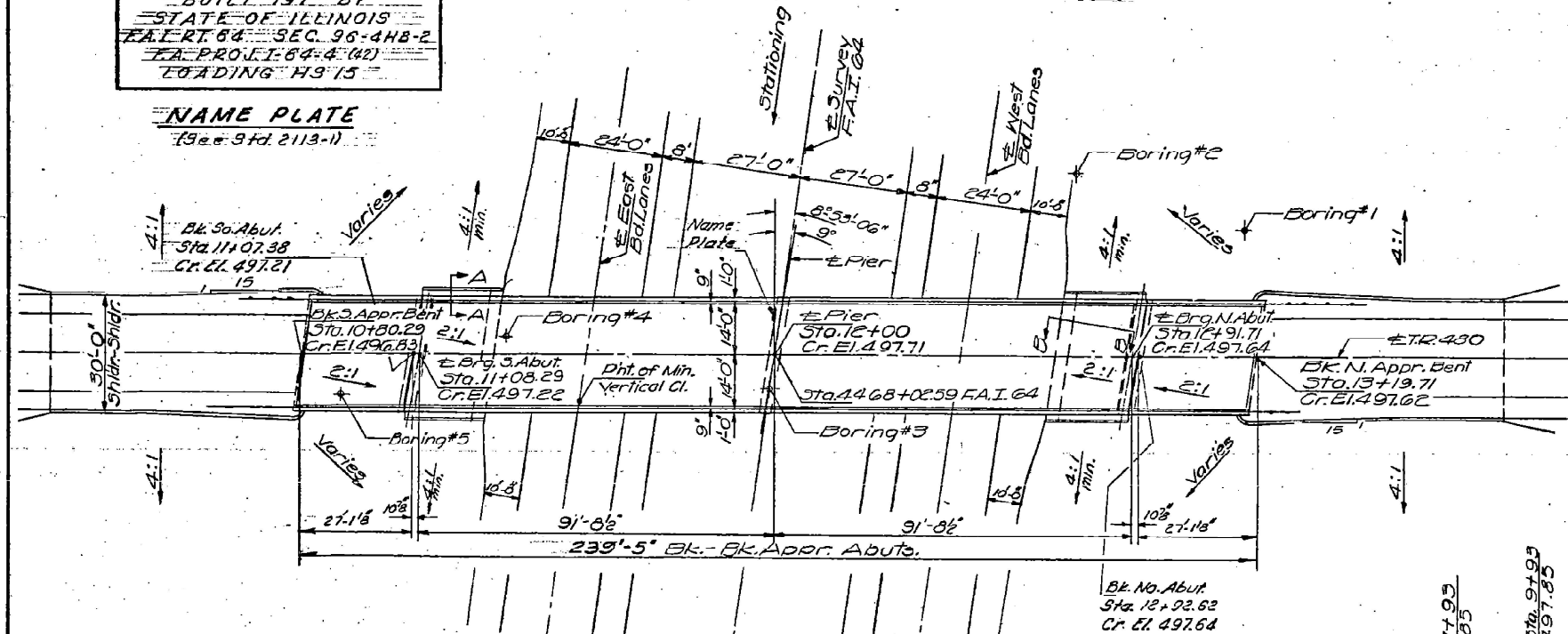
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
92-4HB-2	3	WAYNE	37	9
F.A.I. 64				16 SHEETS



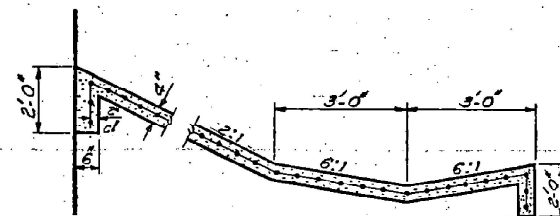
ELEVATION

STATION 4468+02.59  
 BUILT 197 BY  
 STATE OF ILLINOIS  
 F.A.I. RT. 64 SEC. 96-4HB-2  
 F.A. PROJ. I-64-4(42)  
 LOADING HS-15

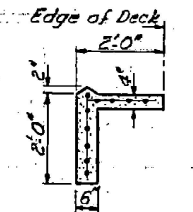
NAME PLATE  
 (See Std. 2113-1)



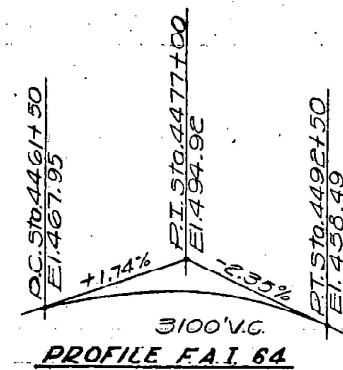
PLAN



SECTION B-B



SECTION A-A



PROFILE F.A.I. 64

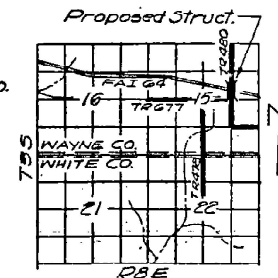
PROFILE T.R. 480

DESIGN STRESSES

FIELD UNITS  
 $f_c = 1200$  psi. Deck Slab  
 $f_c = 1400$  psi. Curb, Parapet, Sub.  
 $f_s = 20,000$  psi. Reinf.  
 $f_s = 20,000$  psi. Struct.  
 $v_c = 75$  psi  
 $n = 10$

PRECAST PRESTR. UNITS

$f_c = 5000$  psi.  
 $f_{ci} = 4000$  psi.  
 $f_s = 248,000$  psi. Strands  
 $f_{si} = 173,600$  psi. Strands  
 Allowable  $\epsilon_d \leq 1200$  Composite  
 Allowable Fut. N.S.  $C_2^2/a'$   
 LOADING HS15-44



LOCATION SKETCH

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Class A Excavation for Structures	Cu. Yd.		299	299
Protective Coat	Sq. Yd.	890		890
Precast Prestressed Concrete T-Beams, 36"	Lin. Ft.	104		104
Class X Concrete	Cu. Yd.	229.9	218.9	448.8
Structural Steel	L.S.	0.18		0.18
Stud Shear Connectors	Ea.	1944		1944
Aluminum Bailing	Lin. Ft.	469		469
Reinforcement Bars	Lbs.	53450	25250	78700
Steel Piles (JOB P42)	Lin. Ft.		186	186
Test Piles Steel (JOB P42)	Ea.		1	1
Name Plate	Ea.		1	1
Slope Wall (4")	Sq. Yd.		204	204
Preformed Joint Sealer	Lin. Ft.	60		60

GENERAL PLAN & ELEVATION  
 T.R. 480 OVER F.A.I. RT. 64  
 F.A. PROJ. I-64-4(42)107  
 F.A.I. RT. 64 SEC. 96-4HB-2  
 WAYNE COUNTY  
 STATION 4468+02.59

MODEL - EXISTING STRUCTURE PLANS (Sheet)  
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DESIGNED Charles Preece  
 CHECKED Pankash S. Gid  
 DRAWN J. Kessler  
 CHECKED Pankash S. Gid

DECEMBER 12 1963  
 EXAMINED [Signature]  
 PASSED [Signature]  
 APPROVED [Signature]

USER NAME = kyle.price  
 PLOT DATE = 12/18/2025

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE DETAILS  
 SN: 096-0036

SCALE: SHEET 1 OF 16 SHEETS STA. TO STA.

F.A.I. RTE. 164 SECTION WAYNE COUNTY TOTAL SHEETS 37 SHEET NO. 9  
 CONTRACT NO. 74D63

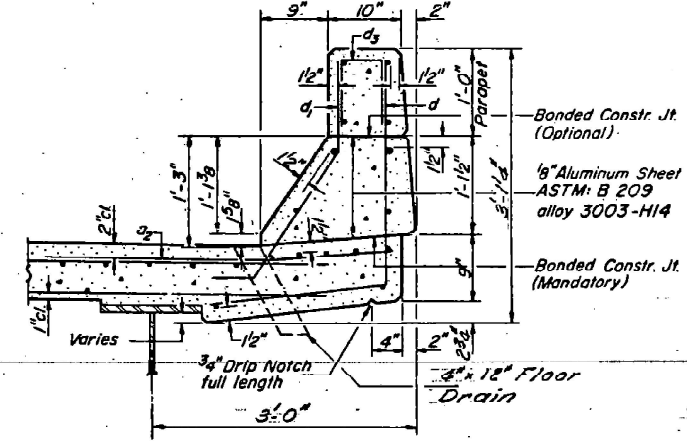
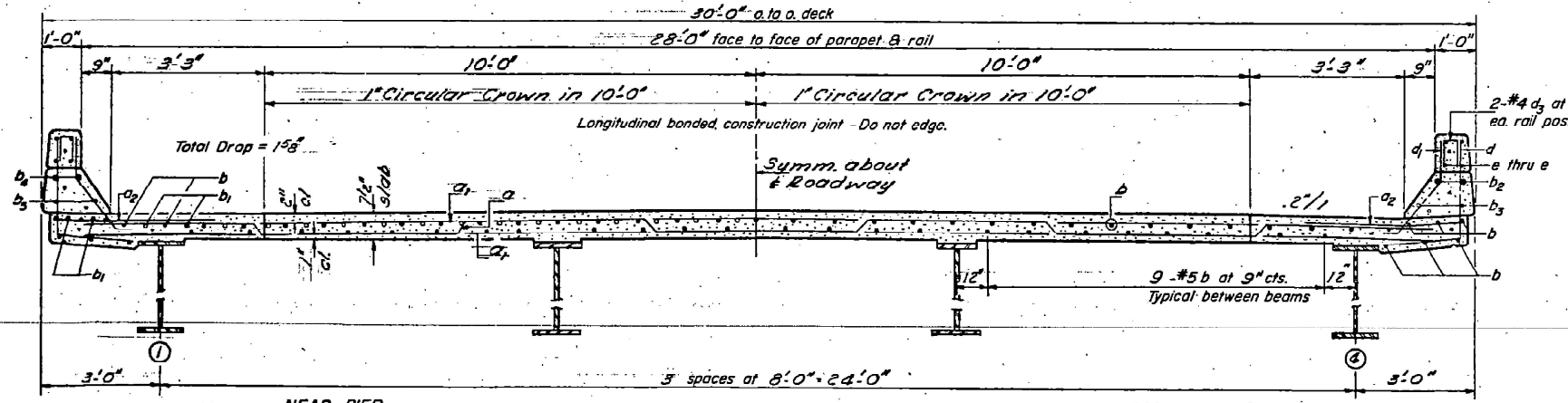
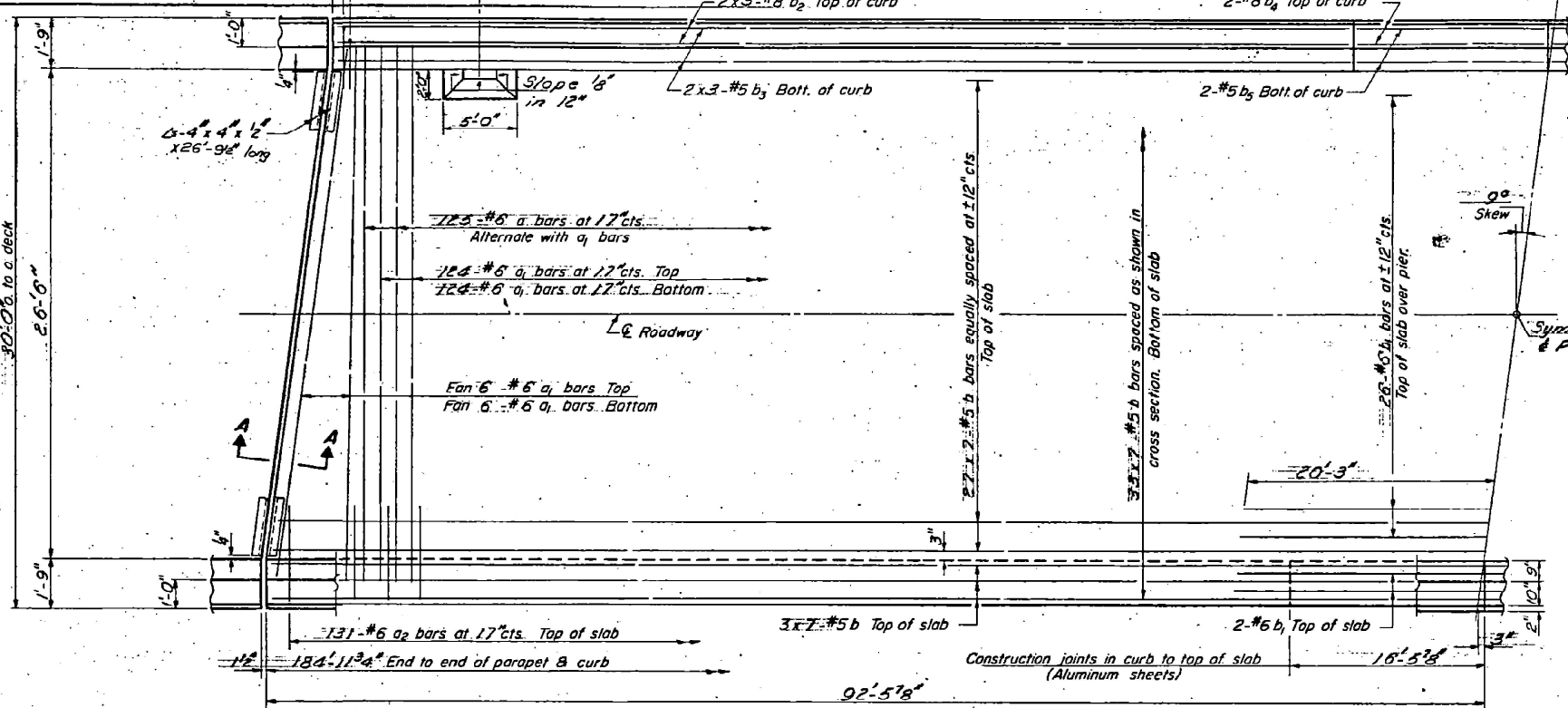
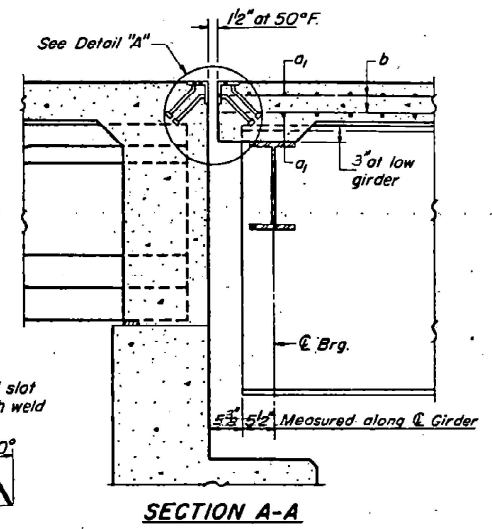
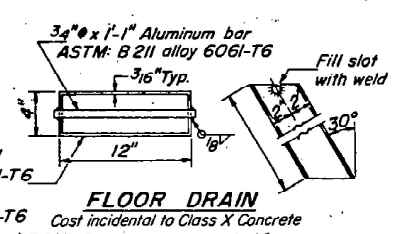
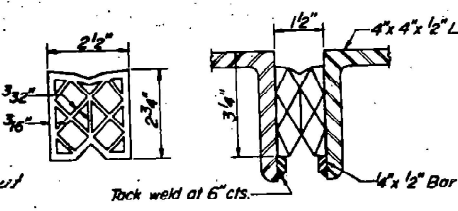
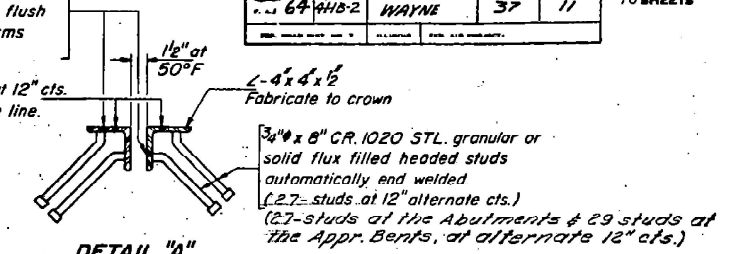
NOTE:  
 Bars indicated thus 20 x 3-#5 etc.  
 indicates 20 lines of bars with 3  
 lengths per line.  
 Min. bar laps = 24 dia.

STATE OF ILLINOIS  
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
 DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	48B-2	WAYNE	37	11

16 SHEETS

7/8" holes at 12" cts. for 3/8" bolts set  
 on 2 1/2" gage line. All bolts shall be  
 burned, sawed or clipped off flush  
 with back of angles after forms  
 are removed.



TWO SPANS  
 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	125	#6	29'-0"	~
a <sub>1</sub>	272	#6	28'-0"	~
a <sub>2</sub>	262	#6	4'-0"	~
b	462	#5	27'-6"	~
b <sub>1</sub>	30	#6	40'-6"	~
b <sub>2</sub>	24	#8	26'-9"	~
b <sub>3</sub>	24	#5	26'-3"	~
b <sub>4</sub>	8	#8	16'-3"	~
b <sub>5</sub>	8	#5	16'-3"	~
d	370	#4	4'-6"	J
d <sub>1</sub>	370	#5	3'-3"	J
Reinforcement Bars			Lbs.	38750
Class X Concrete			Cu. Yds.	155.8

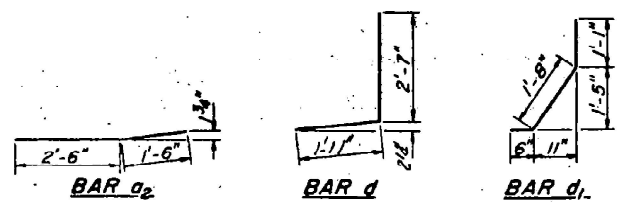
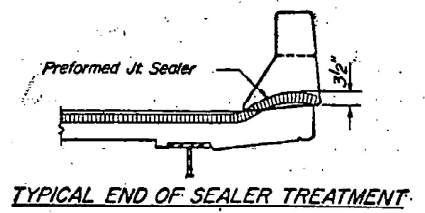
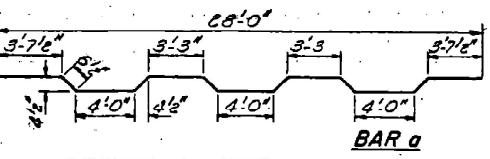
Weight of bearing assemblies  
 with lead plates and anchor  
 bolts are included in structural  
 steel. Est. Wt. = 3410 Lbs.

Parapet Reinforcement and Class X  
 Concrete are billed on sheet # 5

DESIGNED *Charles P. Price*  
 CHECKED *Robert S. W.*  
 DRAWN *J. Kessler*  
 CHECKED *Robert S. W.*  
 S-586-L(515)

EXAMINED  
 PASSED *H. B. Baumann*  
 APPROVED *Richard H. Groetman*

DEC. 12 1969



SUPERSTRUCTURE  
 MAIN SPANS  
 F.A.I. RT. 64 SEC. 36-4HB-2  
 WAYNE COUNTY  
 STATION 448+02.59

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/18/2025	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

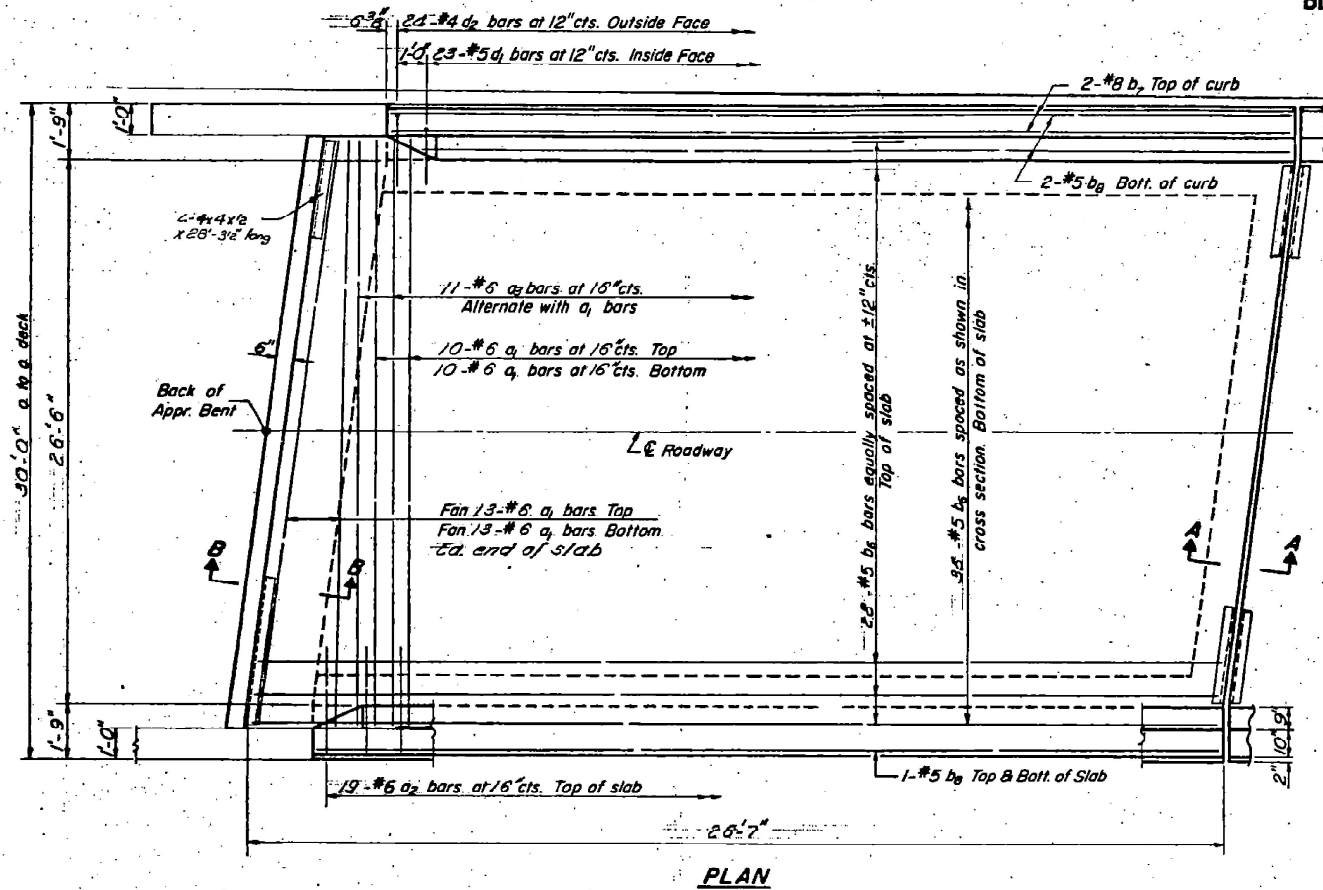
EXISTING STRUCTURE DETAILS  
 SN: 096-0036

SCALE: SHEET 2 OF 16 SHEETS STA. TO STA.

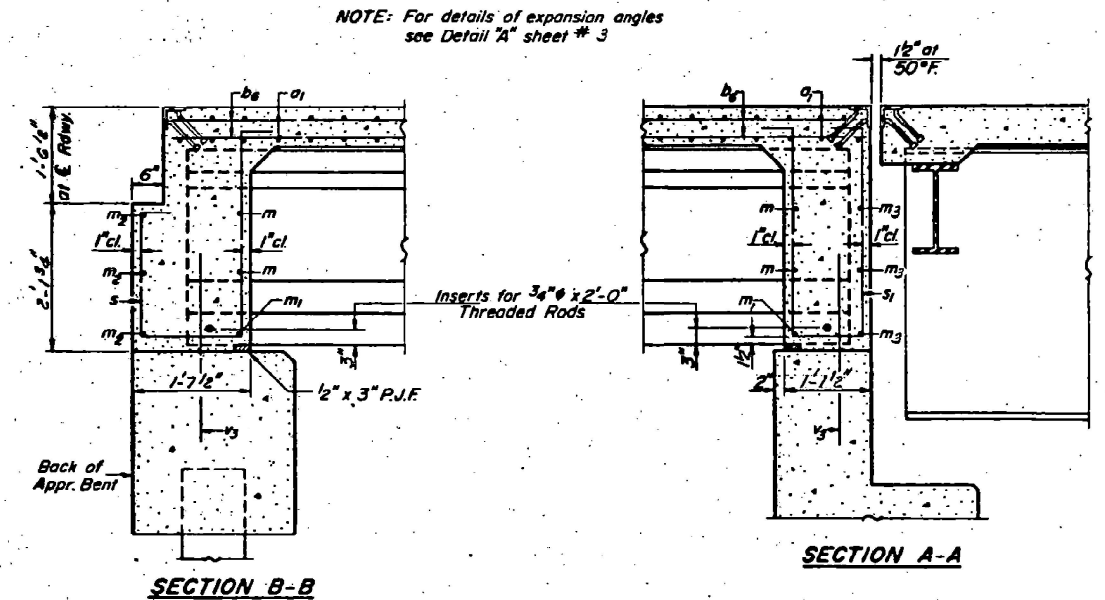
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
164		WAYNE	20	6
CONTRACT NO. 74D63			ILLINOIS FED. AID PROJECT	

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	QUANTITY	TOTAL QUANTITY	SHEET NO.
96-4HB2	WAYNE	37	12	16 SHEETS
SHEET NO. 4				



PLAN



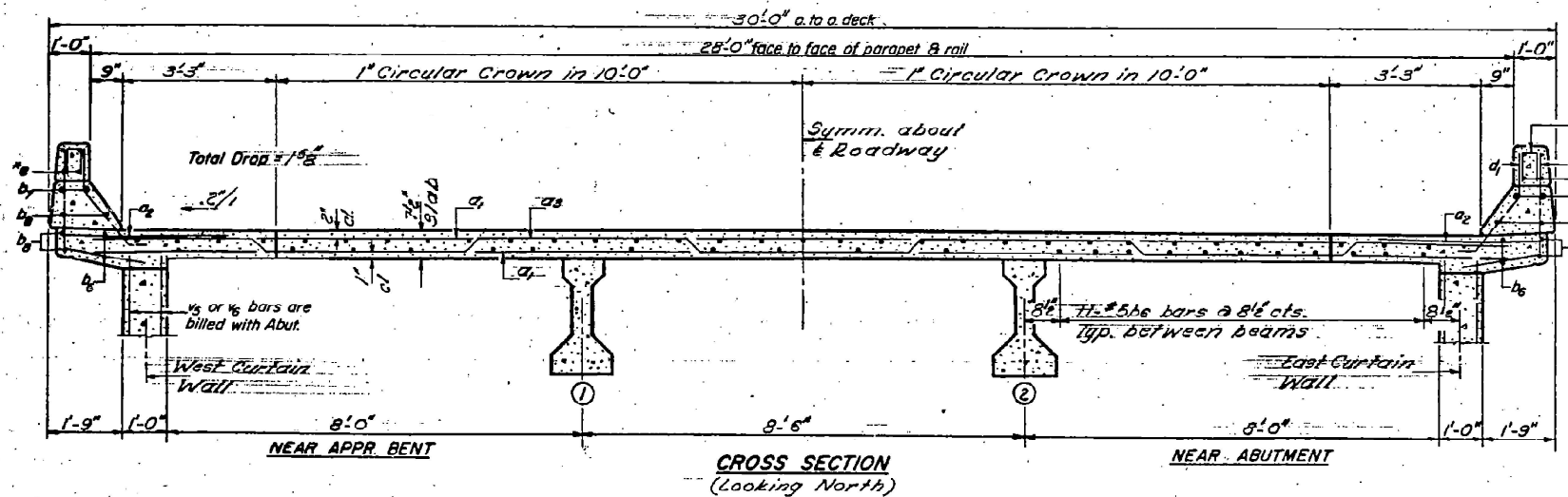
SECTION B-B

SECTION A-A

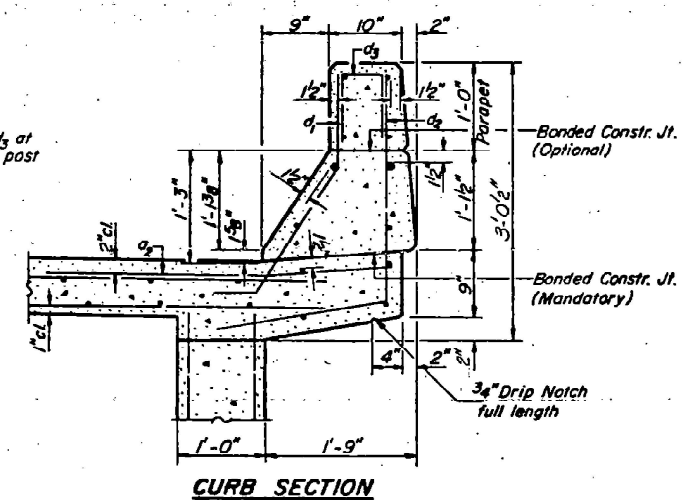
TWO APPR. SPANS  
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1	144	#6	28'-0"	—
a2	76	#6	4'-0"	—
a3	22	#6	29'-0"	—
b1	126	#5	26'-3"	—
b2	8	#8	23'-9"	—
b3	16	#5	23'-9"	—
d1	92	#5	3'-3"	—
d2	96	#4	4'-6"	—
m	24	#4	7'-7"	—
m1	12	#5	6'-10"	—
m2	6	#5	28'-0"	—
m3	6	#4	24'-6"	—
s	20	#4	7'-6"	—
s1	40	#4	8'-4"	—
Reinforcement Bars			Lbs.	13330
Class X Concrete			Cu.Yds.	59.0

\*Parapet Reinforcement and Class X Concrete are billed on sheet #5  
For placement and details of bars m thru m3 and s thru s1, see sheet #7



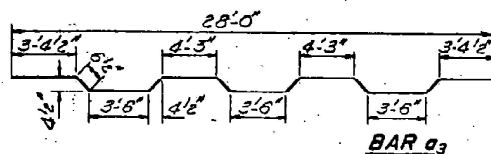
CROSS SECTION  
(Looking North)



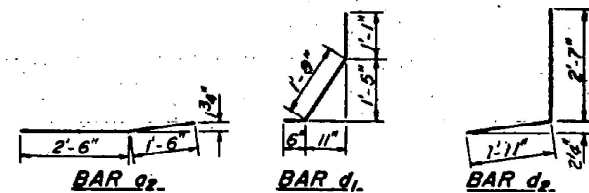
CURB SECTION

DESIGNED	Charles P. Green	EXAMINED	Richard H. Holtzman
CHECKED	Frank S. Lad	PASSED	W. C. Baumann
DRAWN	J. Kessler	APPROVED	Richard H. Holtzman
CHECKED	Frank S. Lad		

SA-586-L (#15) 3-17-69



BAR a3



BAR a2

BAR d1

BAR d2

**SUPERSTRUCTURE**  
**NO. 150. APPROACH SPANS**  
**TAI. RT. 64 SEC. 96-4HB-2**  
**WAYNE COUNTY**  
**STATION 448+02.59**

MODEL: EXISTING STRUCTURE PLANS-2 (Sheet)  
FILE NAME: c:\pwworking\kyle.price\1121996\74063-EXISTING STRUCTURE PLANS.dwg

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	DRAWN	REVISED
	-	-
	CHECKED	REVISED
	-	-
PLOT DATE	DATE	REVISED
12/18/2025	-	-

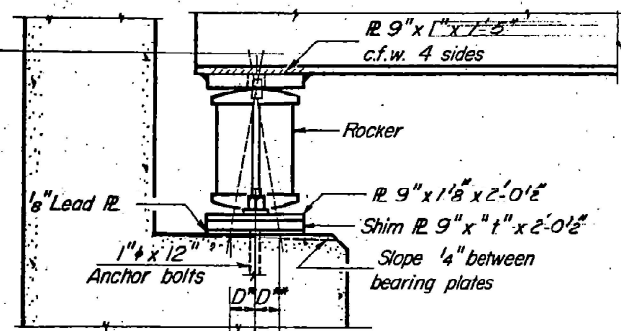
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE DETAILS  
SN: 096-0036

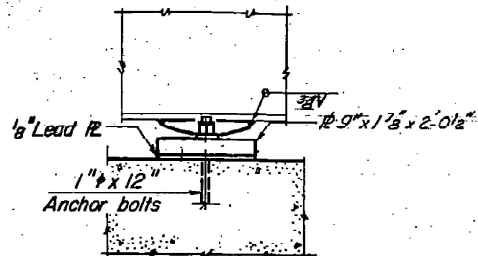
SCALE: SHEET 3 OF 16 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
164		WAYNE	20	7
CONTRACT NO. 74D63				
ILLINOIS FED. AID PROJECT				

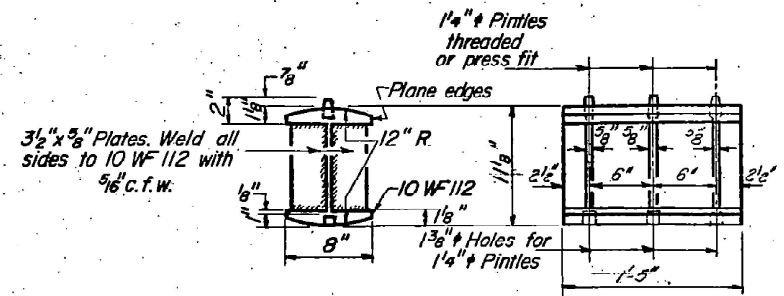
\* D7 BRIDGE PAINTING 2026-2



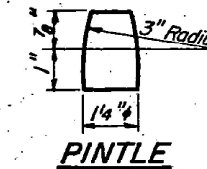
SECTION



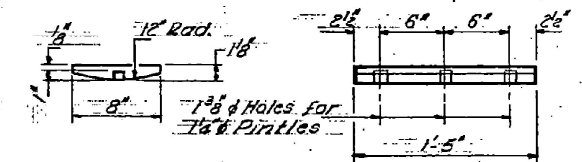
ELEVATION



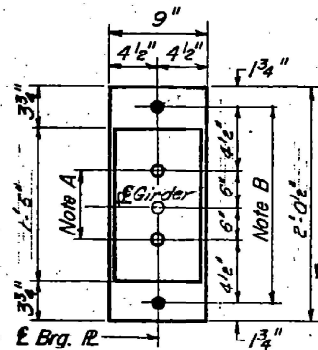
ROCKER



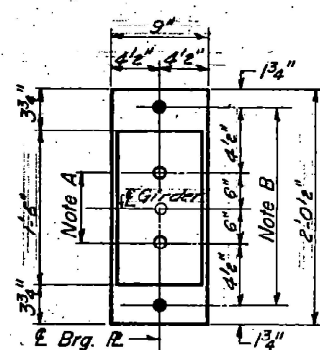
PINTLE



ROCKER @ PIER



PLAN  
AT ABUTMENT



PLAN  
AT PIER

**NOTE A**  
1 3/8" Holes - 1" deep in top R.  
for pintles. Thread or press fit  
pintles into bottom R.

**NOTE B**  
1 1/2" Holes for 1" anchor bolts.  
2 1/2" x 2 1/2" x 5/16" R. Washers  
under nut.

BEARING ASSEMBLY DETAILS

**NOTES ON SETTING OF ANCHOR BOLTS AT EXP. BRGS.**

- a)  $D^*$  (Side of brg. away from fixed brg.)  
 $D^* = 1/8"$  per each 100' of expansion for  
every 15° fall below the normal temp.  
of 50°F.
- $D^{**}$  (Side of brg. toward fixed brg.)  
 $D^{**} = 1/8"$  per each 100' of expansion for  
every 15° rise above the normal temp.  
of 50°F.

- b) After beams have been erected and dimensions  $D^*$  or  $D^{**}$   
determined, holes shall be drilled and anchor bolts shall  
be grouted in place. All fixed anchor bolts may be built  
into the masonry.

Moments		Reactions			
Span 1	Pier	Abut.	Pier		
D.L. (k)	500.77	D.L. (k)	-1198.02	31.46*	115.18*
S.D.L. (k)	247.56	S.D.L. (k)	-374.98	73.98*	44.31*
L.L. (k)	589.15	L.L. (k)	-462.07	34.47*	53.42*
Imp. (k)	178.70	Imp. (k)	-138.58	7.96*	-12.32*
Total (k)	1514.28	Total (k)	-2173.63	87.27*	225.23*
V <sub>R</sub> (k)	38.78				

Steel Section	
I <sub>s</sub>	14099.7 in <sup>4</sup>
S <sub>Ts</sub>	562.8 in <sup>3</sup>
S <sub>bs</sub>	753.9 in <sup>3</sup>
Composite	
I <sub>c</sub>	36119.6 in <sup>4</sup>
S <sub>TC</sub>	4127.9 in <sup>3</sup>
S <sub>bc</sub>	7083.0 in <sup>3</sup>

D.L. Dead Load  
S.D.L. Superimposed dead load acting on  
composite section  
L.L. Live Load  
Imp. Impact  
I<sub>s</sub> Moment of inertia steel section  
S<sub>Ts</sub> Sec. Mod. top steel section  
S<sub>bs</sub> Sec. Mod. bott. steel section  
I<sub>c</sub> Moment of inertia comp. section  
S<sub>TC</sub> Sec. Mod. top comp. section  
S<sub>bc</sub> Sec. Mod. bott. comp. section  
V<sub>R</sub> Max. V. Impact Shear Range

**SHIM PLATES**

(\* in inches)

	Abut.	Pier	Abut.	Pier
St. Abut.	0	5/8"	5/8"	0
Pier	0	0	0	0
Mo. Abut.	0	0	0	0

DESIGNED *Charles P. Price*  
CHECKED *Richard S. W.*  
DRAWN *J. Kasler*  
CHECKED *Richard S. W.*

EXAMINED *Richard H. Goltzner*  
PASSED *Richard H. Goltzner*  
APPROVED *Richard H. Goltzner*

DEC. 12 1969

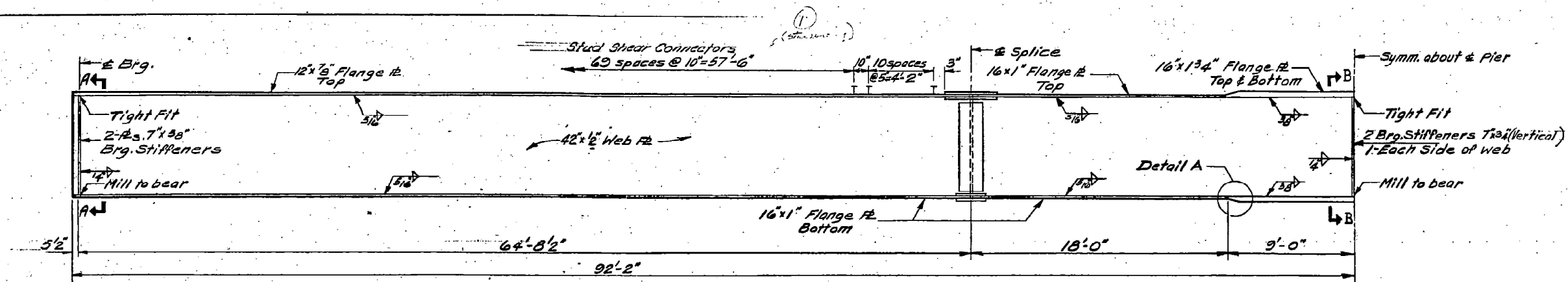
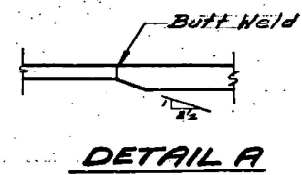
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F.A.I. RT. 64 SEC. 96-4HB-2  
WAYNE COUNTY  
STATION 4468+02.59

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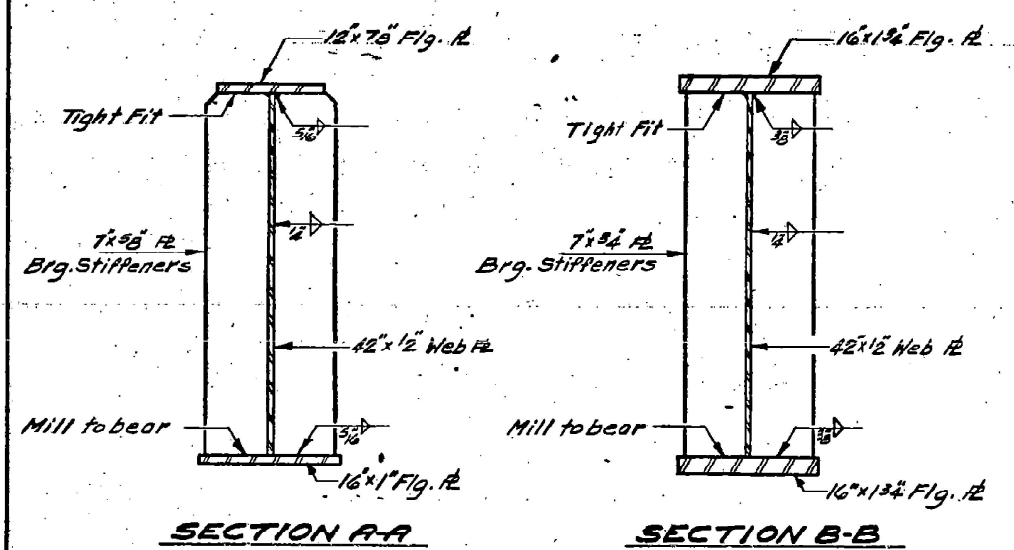
STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	96-4HB-2	WAYNE	37	17
F.A.I. PROJECT NO. 7		FED. AID PROJECT		

SHEET NO. 9  
16 SHEETS

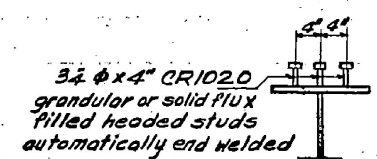


GIRDER ELEVATION

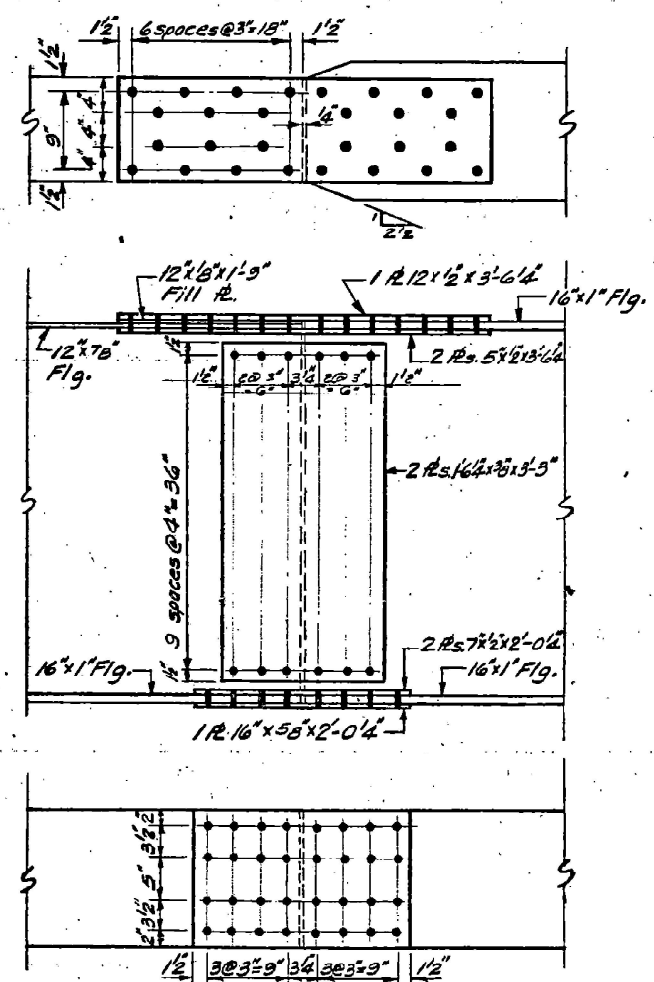


SECTION A-A

SECTION B-B



DETAIL OF SHEAR CONNECTORS



FIELD SPLICE  
Required B

**SPLICE & GIRDER DETAIL**  
F.A.I. ROUTE 64  
SECTION 96-4HB-2  
WAYNE COUNTY  
STATION 4468+02.59

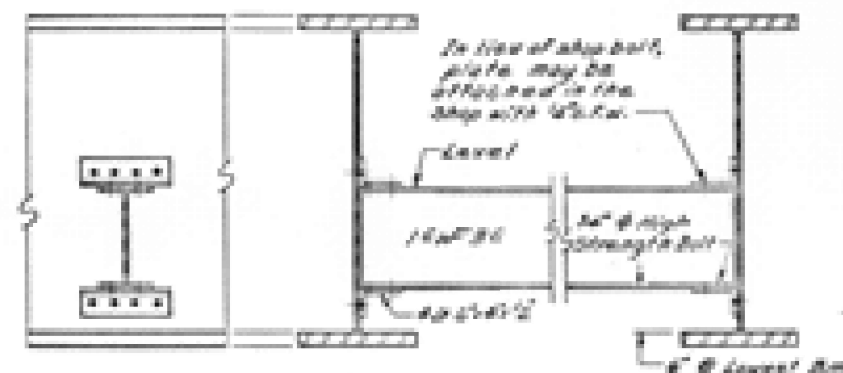
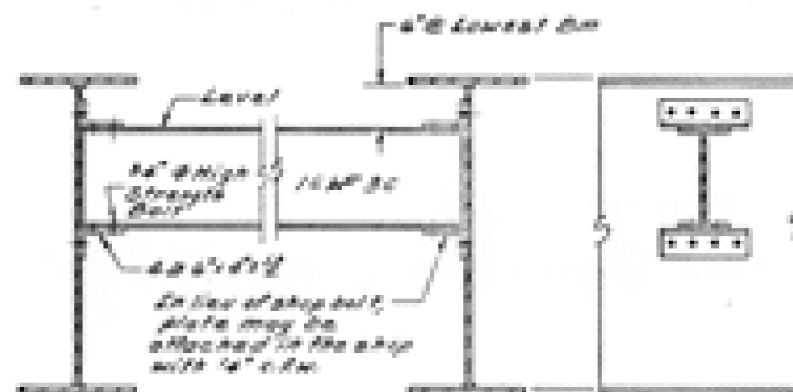
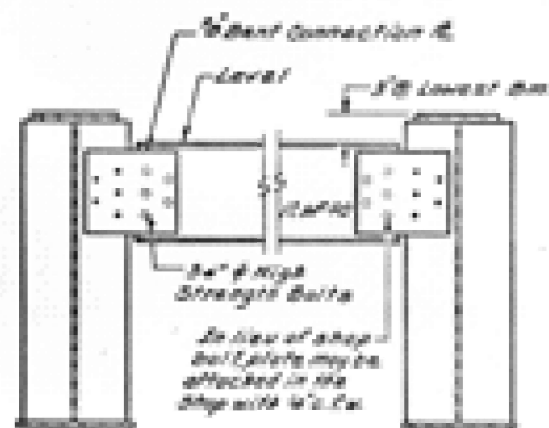
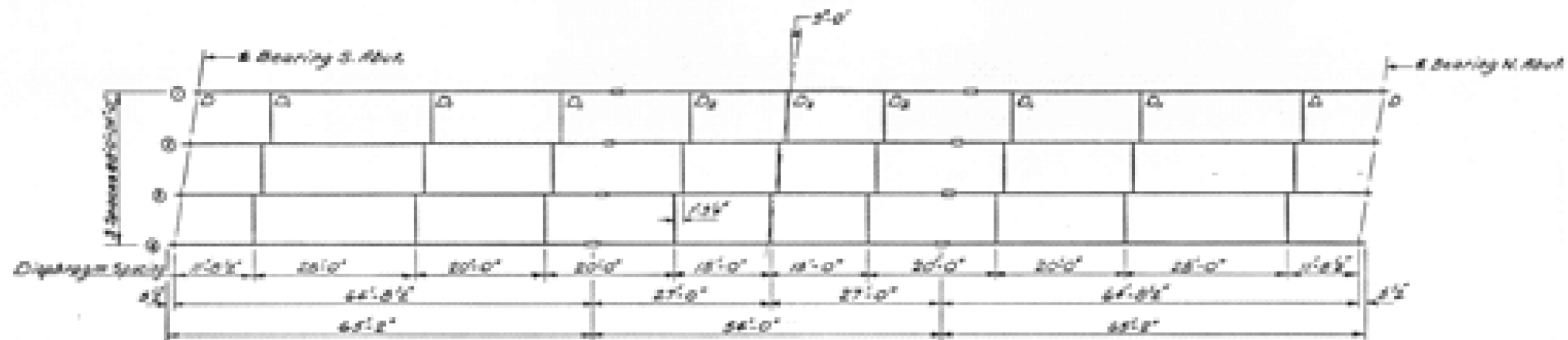
DESIGNED	Charles P. Green	EXAMINED	Dec. 12 1969
CHECKED	Frank S. W.	PASSED	[Signature]
DRAWN	Leona Heeren	APPROVED	[Signature]
CHECKED	Frank S. W.		

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PLOT DATE = 12/18/2025	DRAWN -	REVISED -			SCALE:	SHEET 5 OF 16 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 74D63 D7 BRIDGE PAINTING 2026-2	

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

DATE	BY	CHKD	APP	NO.
12/18/25	Kyle Price	Richard W. Holtzman	12/18/25	10
PROJECT NO. 2025-01-001				



**DIAPHRAGM D<sub>1</sub>**  
Required 10

**DIAPHRAGM D<sub>3</sub>**  
Required 8

**DIAPHRAGM D<sub>4</sub>**  
Required 6

DESIGNED BY	Richard W. Holtzman
CHECKED BY	Richard W. Holtzman
DATE	12/18/25

**DIAPHRAGM LAYOUT & DETAILS**  
I-55 ROUTE 66  
SECTION 26-440-2  
WAYNE COUNTY  
STATION 44+02.50

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/18/2025	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE DETAILS  
SN: 096-0036

SCALE: SHEET 6 OF 16 SHEETS STA. TO STA.

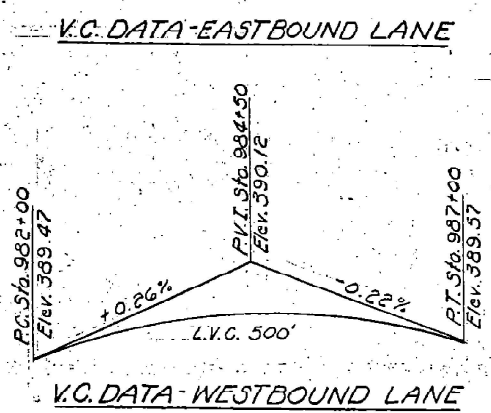
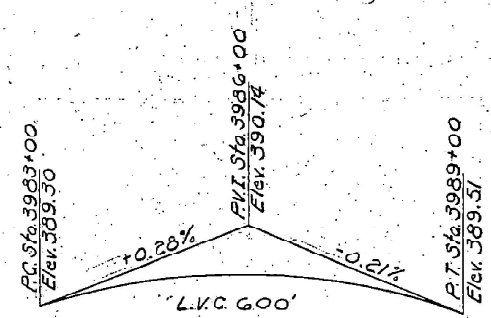
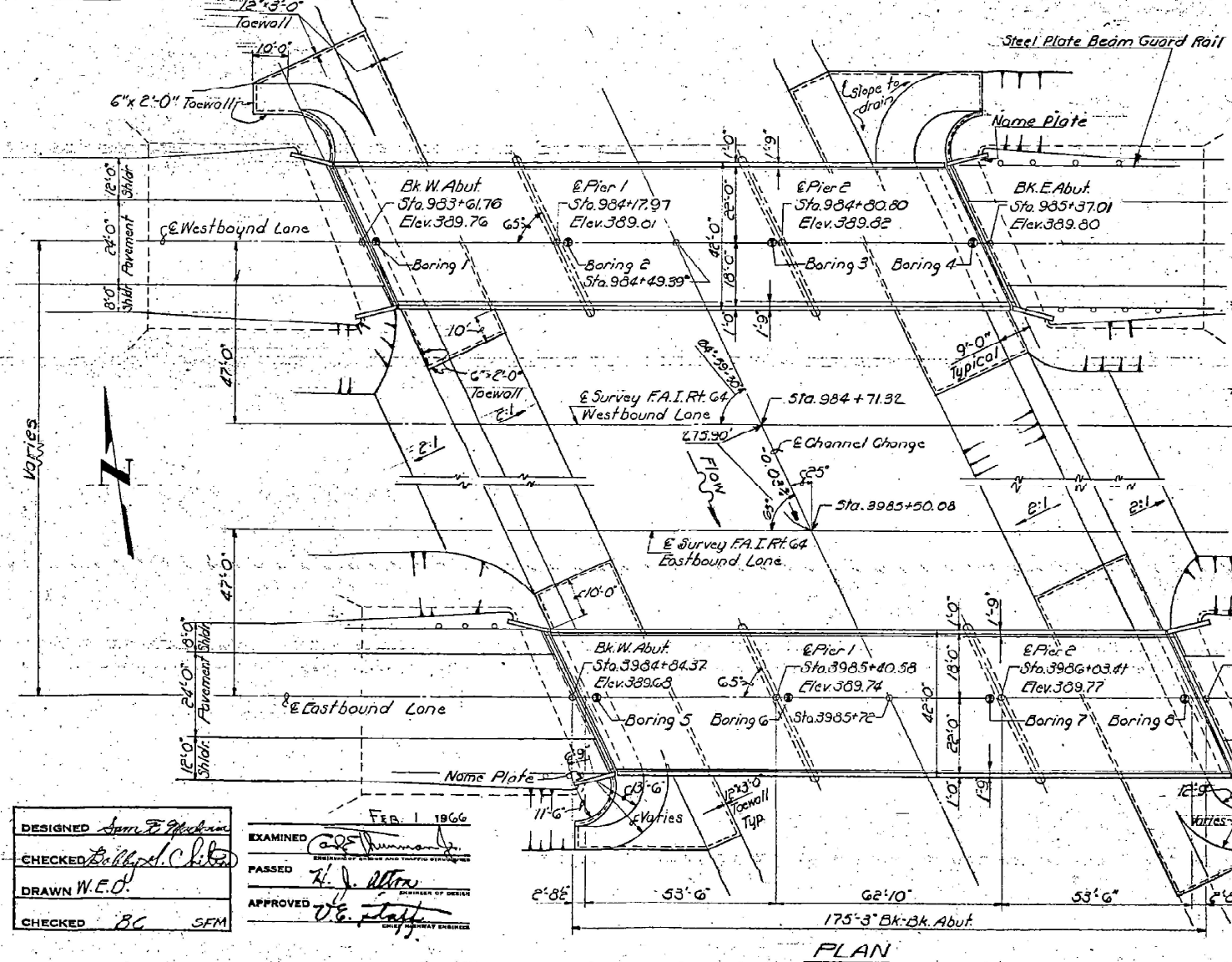
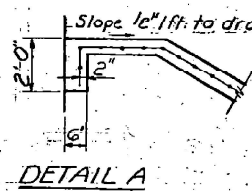
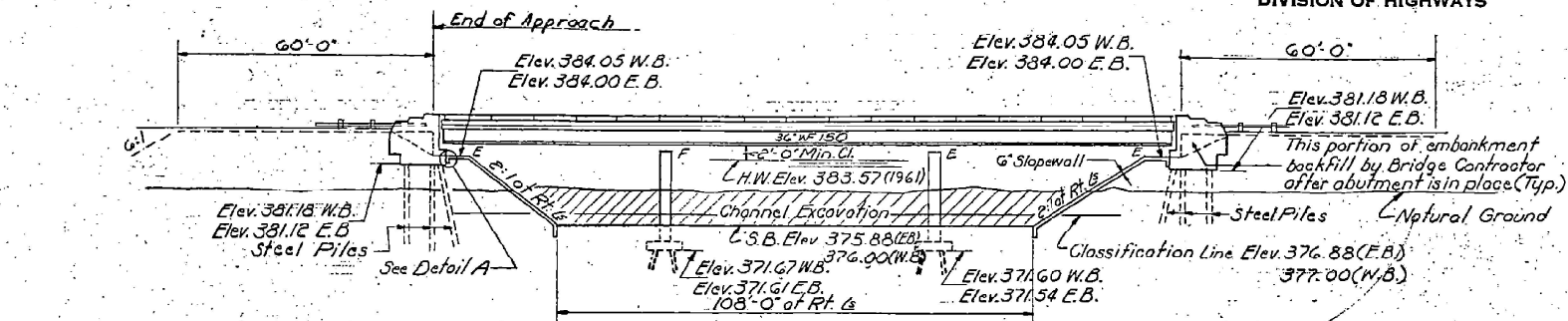
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164		WAYNE	20	10
CONTRACT NO. 74D63				
ILLINOIS FED. AID PROJECT				

\* D7 BRIDGE PAINTING 2026-2

B.M. No. 22 150' Lt. Sta. 3937+00, R.R. Spike  
in 12" Oak on West side of Creek Elev. 383.43

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. / SHEETS
962B1		WAYNE	30	11	13 SHEETS
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					



**GENERAL NOTES**

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.

Slope wall shall be reinforced with welded wire fabric 6" x 6" mesh, weighing 58# per 100 Sq. Ft. Layout of slope walls may be varied to suit ground conditions in the field as directed by the engineer. All reinforcement bars shall be lapped 24 diameters unless otherwise shown.

Anchor bolts shall be set before fastening diaphragm over supports.

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

Expansion guards are included in the quantity of Structural Steel, WT. 4910 lbs.

The basic Lead Silico Chromate paint system shall be used for shop and field painting of structural steel.

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

The Contractor shall drive one steel test pile in a permanent location of Pier 1 and the West abutment of the North structure; and the East abutment of the South structure as directed by the Engineer before ordering the remainder of piles.

Calculated weight of Structural Steel is 373,830 lbs.

Fasteners shall be high strength bolts. Bolts 3/4" Open holes 1/2", unless otherwise noted.

**TOTAL BILL OF MATERIAL**

Item	Unit	Super	Sub	Total
Class B Excavation For Structures	Cu. Yds.		377	377
Class X Concrete	Cu. Yds.	407.8	189.0	596.8
Structural Steel	Lump Sum	.17		.17
Aluminum Railing	Lin. Ft.	687		687
Reinforcement Bars	Lbs.	116,250	25,440	141,690
Class A Excavation For Structures	Cu. Yds.		25	25
Class A Concrete	Cu. Yds.		254.8	254.8
Steel Piles (8 BP36)	Lin. Ft.		2731	2731
Test Pile (Steel)	Eq.		3	3
Name Plates	Each	2		2
Slope Wall (G)	Sq. Yds.			1,204
Protective Coat	Sq. Yds.	1794		1794
Bridge Seat Sealant	Lump Sum		.26	.26

STATION 984+49.39  
BUILT 197 BY  
STATE OF ILLINOIS  
F.A.I. RT. 64 SEC. 96-2B-1  
F.A. PROJ. I-64-4(41)  
LOADING H320 #ALT

STATION 3985+72  
BUILT 197 BY  
STATE OF ILLINOIS  
F.A.I. RT. 64 SEC. 96-2B-1  
F.A. PROJ. I-64-4(41)  
LOADING H320 #ALT

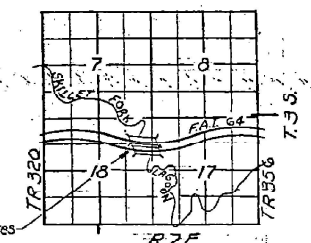
**NAME PLATES**  
See Std. 2113-1

**WATERWAY INFORMATION**

Drainage Area 429.440 acres  
Character Level, clay, cultivated  
Required Opening 910 Sq. Ft.  
Present Opening  
Proposed Opening 910 Sq. Ft.\*

Ordinary Water Elev. 376.0  
Low Water Elev. 376.0  
High Water Elev. 383.57 (50 yrs.)

\*Based on 13% of design discharge; Q<sub>50</sub> = 35,000 cfs.  
Other discharge location:  
Skillet Fork Drainage Ditch - 41%  
Eagle Slough Drainage Ditch - 40%  
Branch Skillet Fork - 6%  
Record Flood 1961 Q<sub>max</sub> = 60,500 cfs.



**DESIGN STRESSES**

f<sub>c</sub> = 1800 psi  
f<sub>v</sub> = 75 psi Ftgs  
f<sub>s</sub> = 20,000 psi Reinf.  
f<sub>s</sub> = 20,000 psi Struct.  
n = 10  
Allow. Deflection = 1/1000  
LOADING H320-44 #ALT

**SKILLET FORK LAGOON  
GENERAL PLAN & ELEVATION  
PROJECT I-64-4(41)  
F.A.I. RT. 64 SEC. 96-2B-1  
WAYNE COUNTY  
STA. 984+49.39 W.B. & STA. 3985+72 E.B.**

DESIGNED *James P. ...*  
CHECKED *W.E.O.*  
DRAWN *W.E.O.*  
CHECKED *BC SFM*

EXAMINED *...*  
PASSED *...*  
APPROVED *...*

FEB. 1 1966

Rev 11/19/69 JBN

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DESIGNED -	DRAWN -	REVISED -	SCALE:	SHEET 7 OF 16 SHEETS	TO STA.	ILLINOIS FED. AID PROJECT				
DESIGNED -	CHECKED -	REVISED -	CONTRACT NO. 74D63				* D7 BRIDGE PAINTING 2026-2			
DESIGNED -	DRAWN -	REVISED -	CONTRACT NO. 74D63							

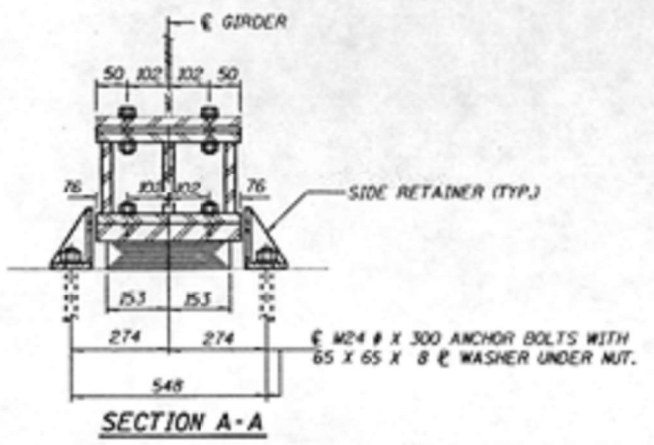
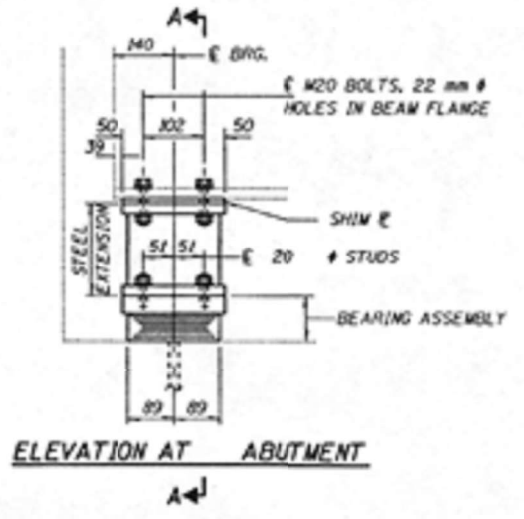
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

F.A.I.	COUNTY	SHEET NO.	TOTAL SHEETS
64 (96-4)RS	WAYNE	116	51

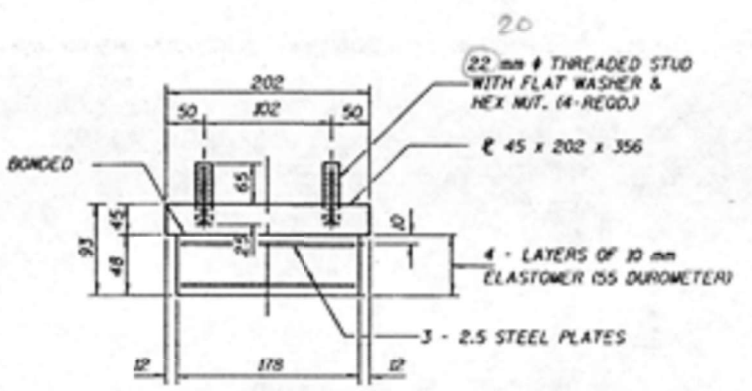
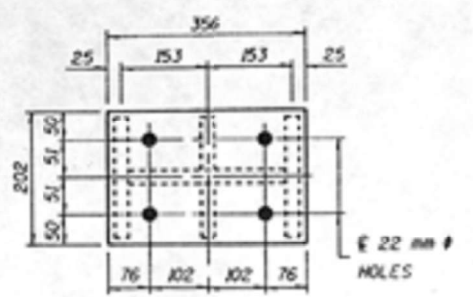
GIRDER REACTIONS

HP	(END)	324.1
PL	(END)	255.5
T.P.	(END)	46.3
R (TOTAL) (END)		325.9

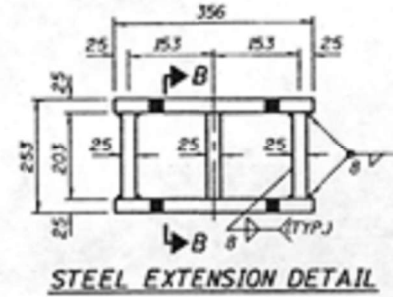
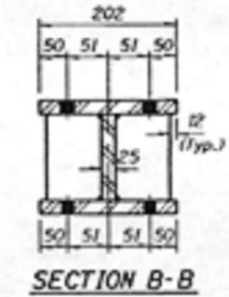
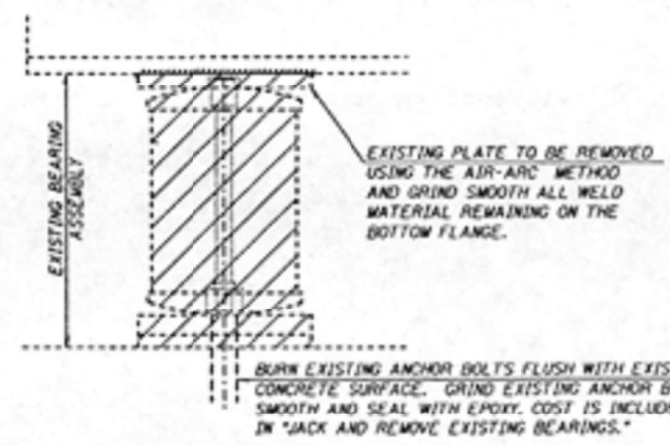


TYPE I ELASTOMERIC EXP. BRG.

NOTES: DIAPHRAGM REMOVAL AND REPLACEMENT MAY BE REQUIRED TO FACILITATE DRILLING HOLES. COST SHALL BE INCLUDED IN THE COST OF "FURNISHING AND ERECTING STRUCTURAL STEEL". NEW STEEL EXTENSIONS, SIDE RETAINERS, SHIM P'S, CONNECTION BOLTS, AND ANCHOR BOLTS ARE INCLUDED IN "FURNISHING AND ERECTING STRUCTURAL STEEL". SEE SHEET #3 OF HK FOR ANCHOR BOLT INSTALLATION. PRIOR TO ORDERING ANY MATERIAL, THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL BEARING HEIGHT AND SHIM THICKNESS DIMENSIONS MIN. JACK CAPACITY = 320 kN

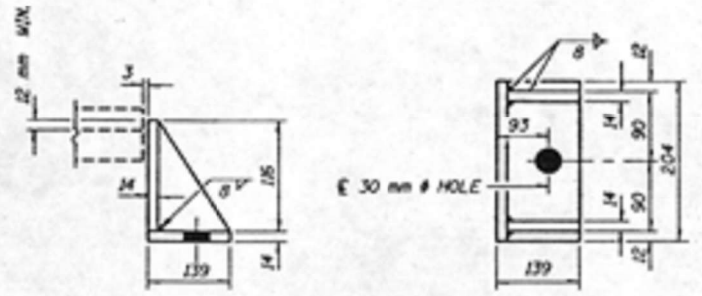


NOTE: SHIM PLATES SHALL NOT BE PLACED UNDER BEARING ASSEMBLY.



BILL OF MATERIAL

ITEM	UNIT	TOTAL
ELASTOMERIC BEARING ASSEMBLY TYPE I	Each	12



EQUIVALENT ROLLED ANGLE WITH STIFFENERS WILL BE ALLOWED IN LIEU OF WELDED PLATES.

NOTE: ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE NOTED

ELASTOMERIC BEARING TYPE 1 DETAILS  
 (WEST ABUTMENT)  
 STR # 096-0041  
 STR # 096-0042

DESIGNED	EXAMINED	IN
CHECKED	DRAWN	INCHES OF STRUCTURE SHEET
CHECKED	CHECKED	INCHES OF SHEET NO. STRUCTURE

USER NAME = kyle.prico	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/18/2025	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE DETAILS  
 SN: 096-0041 & 096-0042

SCALE: SHEET 8 OF 16 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
164		WAYNE	20	12
CONTRACT NO. 74D63				
ILLINOIS FED. AID PROJECT				

\* D7 BRIDGE PAINTING 2026-2

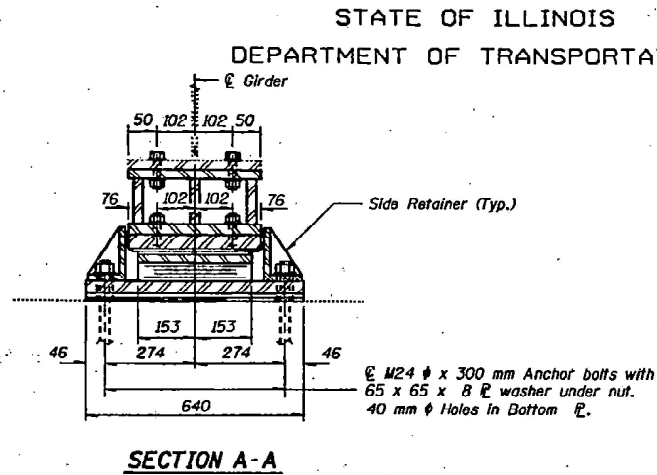
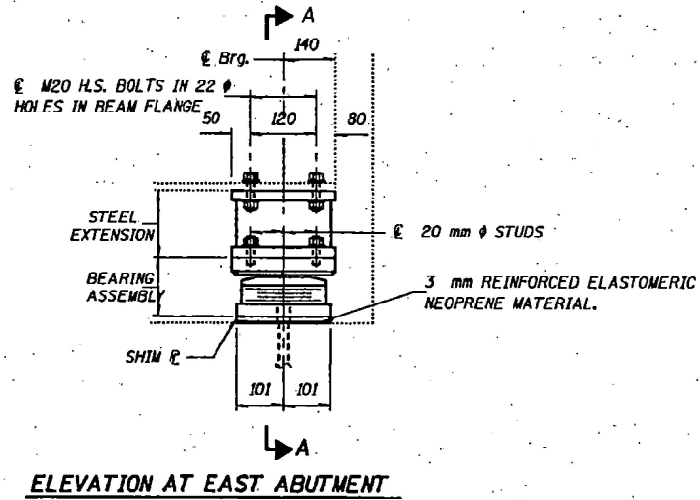
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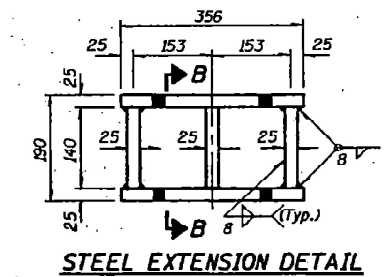
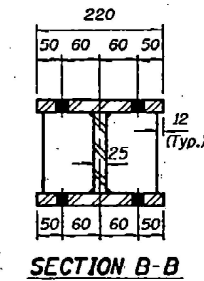
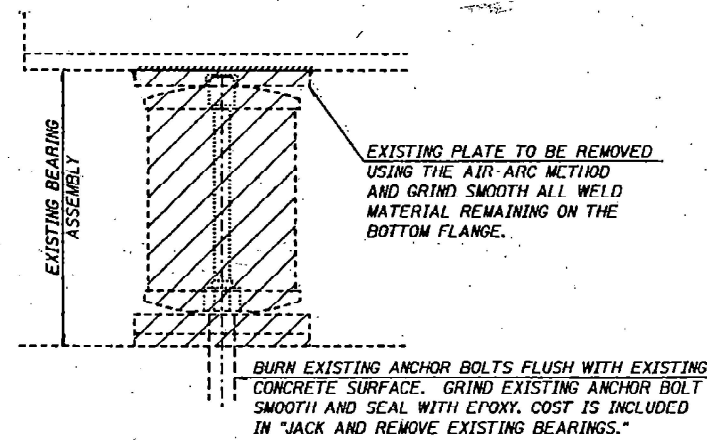
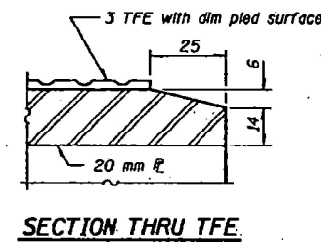
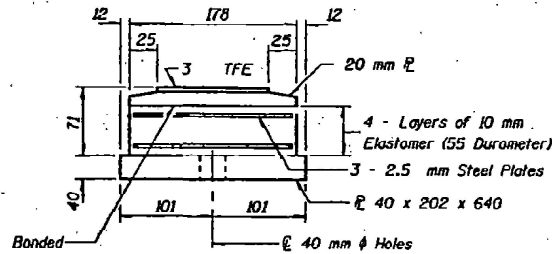
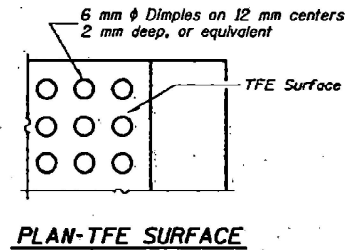
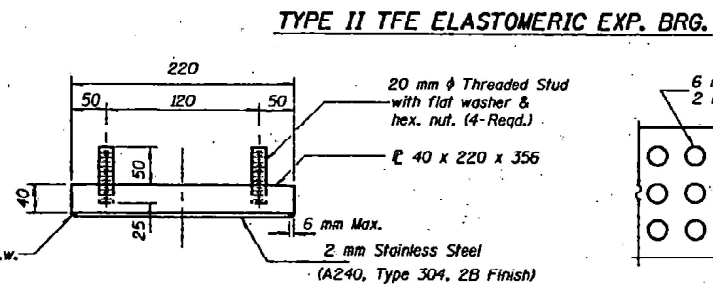
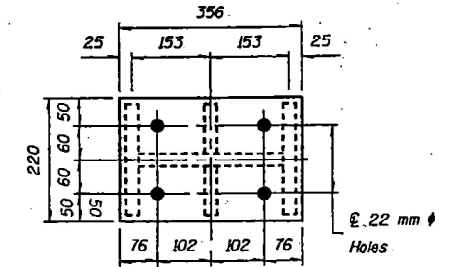
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**BEAM REACTIONS**

R <sub>D</sub>	(kN)	104.1
R	(kN)	165.3
I p.	(kN)	46.3
R (Total)	(kN)	315.9

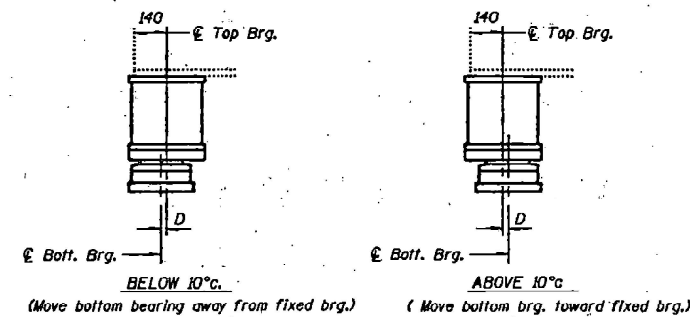
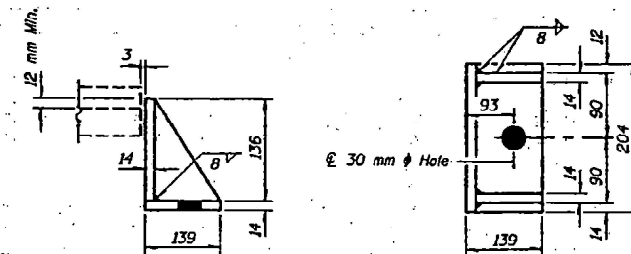
Notes:  
 Diaphragm removal and replacement may be required to facilitate drilling holes. Cost shall be included in the cost of "Furnishing and Erecting Structural Steel".  
 New steel extensions, side retainers, shim  $\phi$ 's, connection bolts, anchor bolts and neoprene mat are included in "Furnishing and Erecting Structural Steel".  
 See Sheet 113 of 116 for Anchor Bolt installation.  
 Prior to ordering any material the Contractor shall verify in the field all bearing height and shim thickness dimensions. In. Jack capacity = 320-kN.



Note: The 3 mm TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.  
 Bonding of 3 mm TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

DESIGNED	EXAMINED
CHECKED	DESIGNED OF STRUCTURE DETAILS
DRAWN	PASSED
CHECKED	DESIGNED OF BRIDGES AND STRUCTURES

TYII/REPS 8-03-98



**BILL OF MATERIAL**

Item	Unit	Total
ELASTOMERIC BEARING ASSEMBLY Type II	Each	12

**ELASTOMERIC BEARING, TYPE II DETAILS (EAST ABUTMENT)**  
 STR # 096-0041  
 STR # 096-0042

USER NAME = kyle.price	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/18/2025	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE DETAILS  
 SN: 096-0041 & 096-0042

SCALE: SHEET 9 OF 16 SHEETS STA. TO STA.

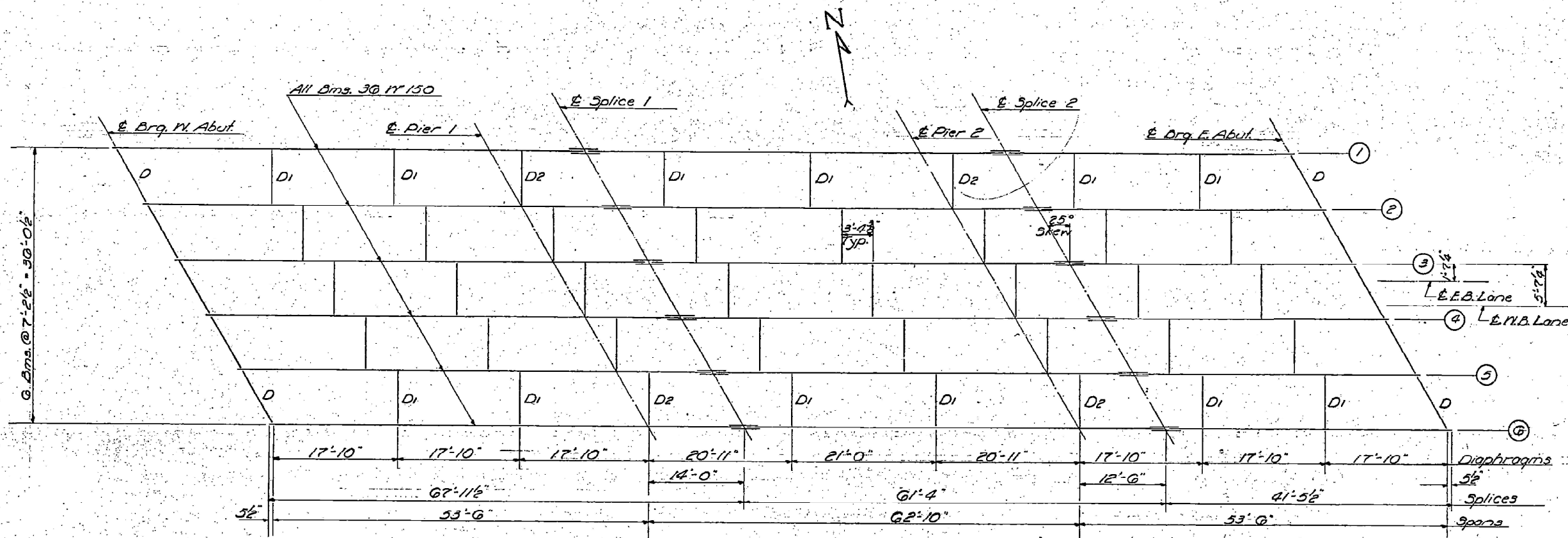
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
164		WAYNE	20	13
CONTRACT NO. 74D63				
ILLINOIS FED. AID PROJECT				

\* D7 BRIDGE PAINTING 2026-2



STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 3
F.A.R. 64	962B-1	WAYNE	30	13	13 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		



PLAN  
(Two Structures)

Note: Diaphragm connections may be adapted to shop welding subject to approval by the Engineer.

STRESS TABLE - INTERIOR BEAMS

	Moments		Reactions	
	4 Span 1	Piers	5 Span 2	Abuts. Piers
Dead Load	250.5	373.4	168.0	135.8 427.0
Live Load	362.0	285.0	352.7	113.7 140.2
Impact	101.4	78.0	94.0	
Total	693.7	736.4	614.7	2489 567.2

Moments - Ft. Kips      Reactions - Kips

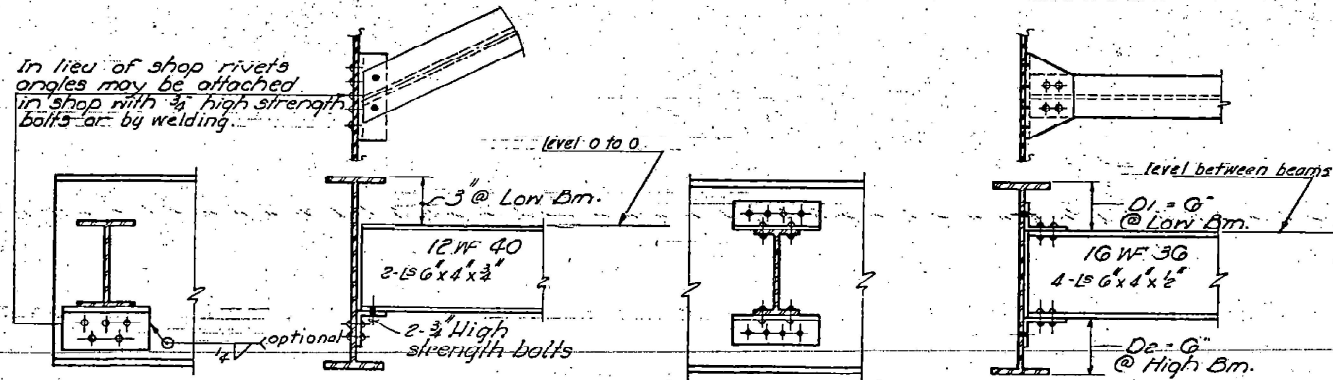
TOP OF W/ELEVATIONS

Beam	W. Bd. Struct.	E. Bd. Struct.
1	388.800	388.810
2	388.950	388.950
3	389.070	389.060
4	389.130	389.000
5	389.020	388.890
6	388.890	388.740

Run Beams Level

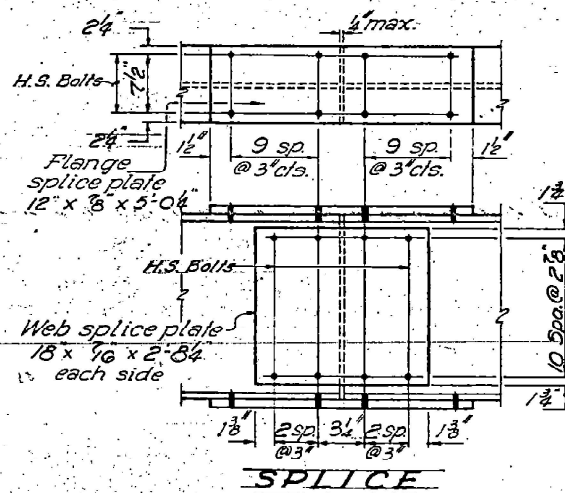
STRUCTURAL STEEL

F.A.I. RT. 64 - SEC. 96-2B-1  
WAYNE COUNTY  
STA. 984 + 49.39 (W.B.D.)  
STA. 3985 + 72 (E.B.D.)



DIAPHRAGM D  
20 Required

DIAPHRAGM D1 & D2  
Required  
60-D1  
20-D2



SPLICE

DESIGNED	Sam E. Maden	EXAMINED	Feb. 1 1966 Carl Hummer
CHECKED	Bobby J. Gibson	PASSED	L. Q. Allen
DRAWN	J. C. Muller	APPROVED	V. E. Staff
CHECKED	B. C. S. M.		

MODEL: EXISTING STRUCTURE PLANS-10 (Sheet)  
FILE NAME: c:\pw\work\kyle\price\1121996\74063-EXISTING STRUCTURE PLANS.dwg

USER NAME = kyle.price	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/18/2025	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE DETAILS  
SN: 096-0041 & 096-0042

SCALE: SHEET 11 OF 16 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
164		WAYNE	20	15
CONTRACT NO. 74D63				

B.M. #41-10 L. Sta. 4029+75 E.B. FAI 64  
 Conc. Nail in 12" Tree Elev. 390.92

STATE OF ILLINOIS  
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
 DIVISION OF HIGHWAYS

96-48-434-18-1  
 97-18-1,97-18-1

DATE	BY	CHECKED	SCALE	SHEET NO.
11/64	M	AWHITE	1/4" = 1'-0"	24

SHEET NO. 1  
 10 SHEETS

GENERAL NOTES

FIELD WELDING OF CONNECTIONS ALLOWED TO THE EXTENT PERMITTED BY THE AISC CODE OF PRACTICE FOR STRUCTURAL STEEL. FIELD WELDING OF CONNECTIONS TO THE TOP FLANGES OF BEAMS OR GIRDERS WILL NOT BE PERMITTED. FIELD WELDING IN OTHER AREAS WILL BE PERMITTED ONLY WHEN APPROVED BY THE ENGINEER.

Slope walls shall be welded wire fabric 6"x6" mesh, weighing 30# per 100 sq. ft.

Layout of slope walls may be varied to suit ground conditions in the field as directed by the Engineer.

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

Fasteners shall be high strength bolts. Bolts 7/8", open holes 1 1/8", unless otherwise noted.

The basic lead silico chromate paint system shall be used for shop and field painting of structural steel.

Expansion guards are included in the quantity of Structural Steel. Estimated weight - 3000 lbs.

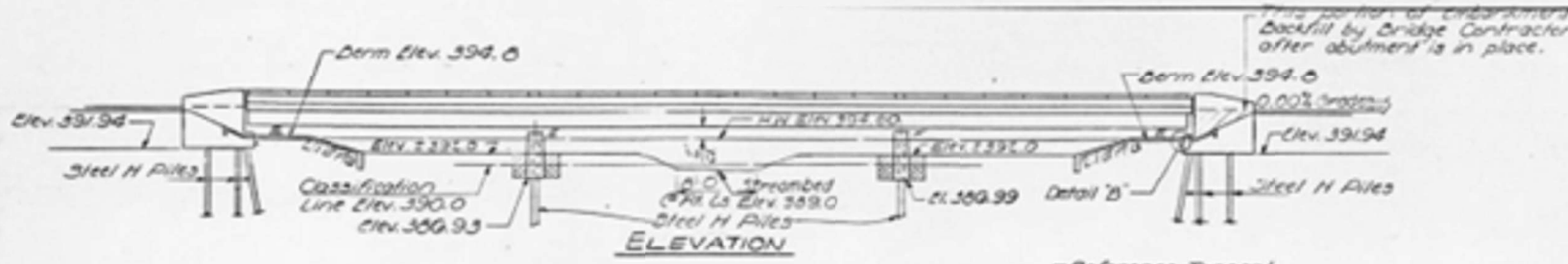
The concrete rail section above the mandatory construction joint at the top of the slab shall be constructed of Class X Concrete, except the aggregates shall conform to the requirements of Handrail Concrete.

The Contractor shall drive the (2) Steel test piles in permanent locations, one (O.B.P.S.G.) test pile of the E. Abut. and one (O.B.P.S.G.) test pile of Pier E, 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.

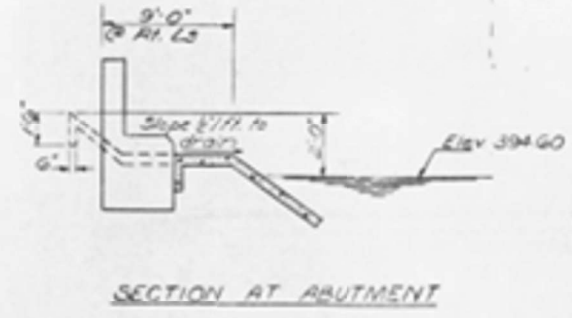
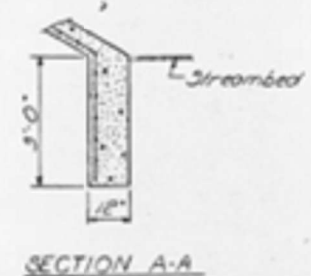
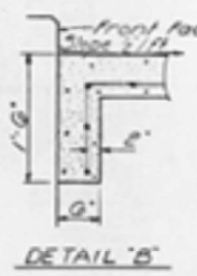
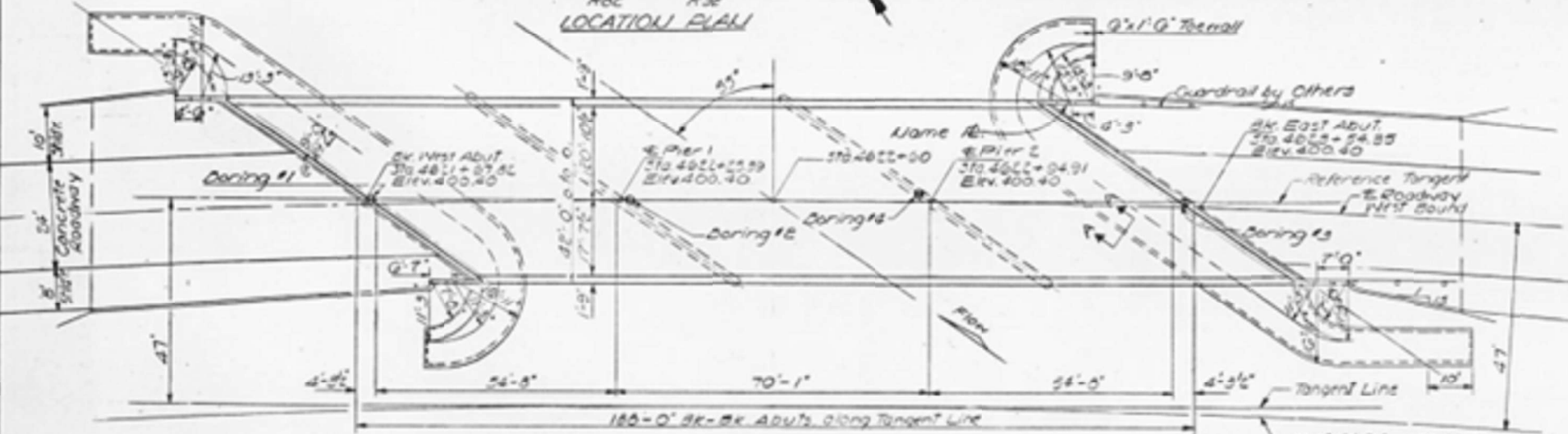
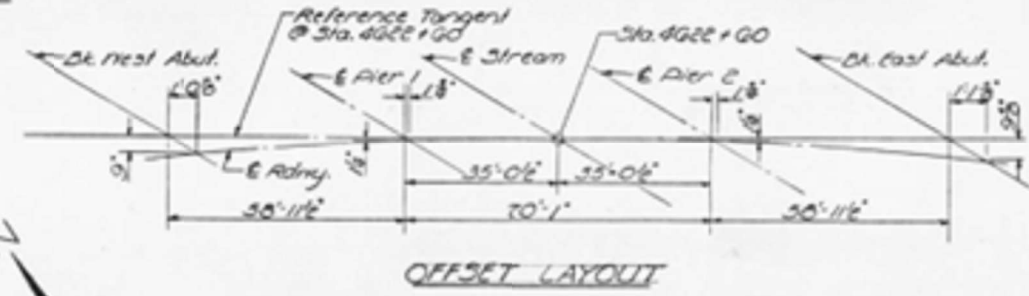
Calculated plan weight of structural steel - 122700 lbs.

The embankment cores shall be built as early as possible so that settlement may progress ahead of paving.



**CURVE DATA**

PI. Sta. 4015+34.00 (H.C.)
Δ = 40° 36' 45"
D = 1" 00' 00"
R = 3723.50'
L = 4054.50'
T = 2110.30'
E = 370.37'
S.E. = .00011



**WATERWAY INFORMATION**

Drainage Area - 2325 Acres  
 Character - Rolling, wooded  
 Required Opening (50% Flood) - 235 sq. ft.  
 Present Opening - None  
 Proposed Opening - 235 sq. ft.  
 Ordinary Water Elev. 390.3  
 Low Water Elev. 389.5  
 Design Frequency Discharge Q<sub>50</sub> = 1700 c.f.s. (98.5%)  
 (37.5% to Relief Structure @ Sta. 4045+00, H.C.)

STATION 4022+00  
 BUILT 197 BY  
 STATE OF ILLINOIS  
 F.A.I. RT. 64-2C.90-45-5  
 F.A. PROJ. 1-G4-3 (42)  
 LOADING H320 S & ALT.

**DESIGN STRESSES**

F<sub>c</sub> = 4000 psi (Super & Sub)  
 F<sub>s</sub> = 20,000 psi (Reinf.)  
 F<sub>s</sub> = 20,000 psi (Struct.)  
 V<sub>c</sub> = 75 psi (Figs.)  
 n = 10  
 Allowable  $\sigma$  = 7500 Composite

**TOTAL BILL OF MATERIAL**

Item	Unit	Super	Sub	Total
Class A Excavation for Struct.	Cu. Yds.			116
Class B Excavation for Struct.	Cu. Yds.			109
Class X Concrete	Cu. Yds.	211.0	244.6	455.6
Structural Steel	Lbs.	30		30
Aluminum Siding	Ln. Ft.	303		303
Reinforcement Bars	Lbs.	71590	7230	78820
Steel Piles (O.B.P.S.G.)	Ln. Ft.		1875	1875
Test Pile Steel (O.B.P.S.G.)	Each		1	1
Steel Piles (O.B.P.S.G.)	Ln. Ft.		1800	1800
Test Pile Steel (O.B.P.S.G.)	Each		1	1
Name Plates	Each		1	1
Slope Wall (G')	Sq. Yds.		492	492
Protective Coat	Sq. Yds.	500		500
Bridge Seat Bolts	Each		30	30
Stud Shear Connectors	Each	2222		2222

\* Class A Excavation for Structures includes excavation for slope wall.  
 \*\* 50% to each abutment.

GENERAL PLAN & ELEVATION  
 PROJ. 1-G4-3 (42) 107  
 POND CREEK  
 F.A.I. RT. 64  
 SEC. 96-48-5  
 WAYNE COUNTY  
 STA. 4022+00 (WEST BD.)  
 DEFL 7-1-5

DESIGNED	W. H. Johnson
CHECKED	W. H. Johnson
DRAWN	J. A. Johnson
CHECKED	S.F.M.

EXAMINED  
 PASSED  
 APPROVED

096-0060

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE DETAILS  
 SN:096-0060

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
164		WAYNE	20	16

SCALE: SHEET 12 OF 16 SHEETS STA. TO STA.

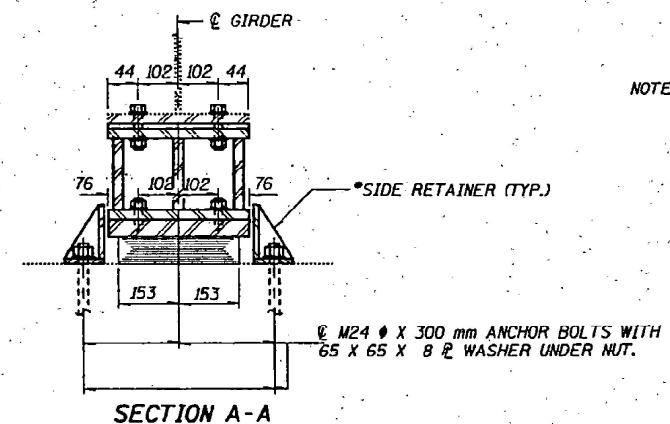
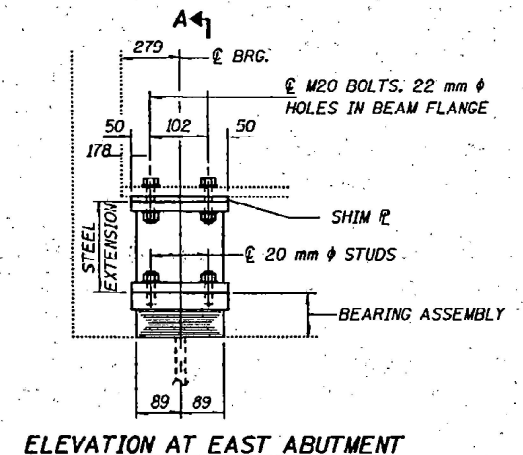
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

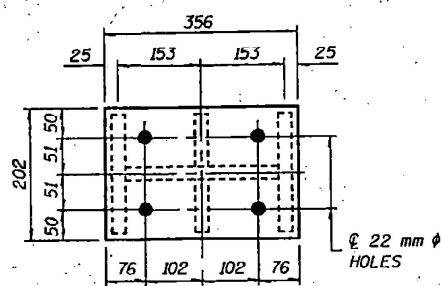
F.A.I. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64 (96-4)RS	WAYNE	116	108

GIRDER REACTIONS

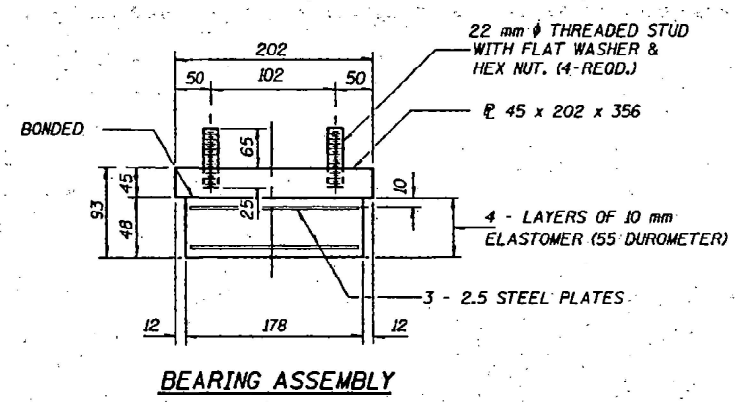
R <sub>L</sub> (kN)	98.8
R <sub>R</sub> (kN)	166.4
IMP. (kN)	46.3
R (TOTAL) (kN)	311.5



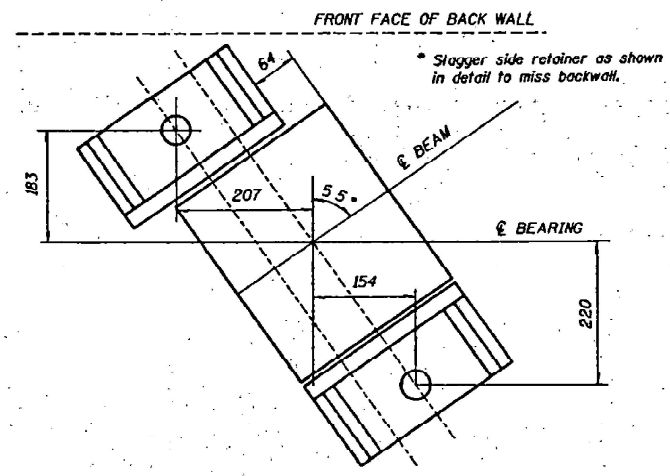
NOTES: DIAPHRAGM REMOVAL AND REPLACEMENT MAY BE REQUIRED TO FACILITATE DRILLING HOLES. COST SHALL BE INCLUDED IN THE COST OF "FURNISHING AND ERECTING STRUCTURAL STEEL". NEW STEEL EXTENSIONS, SIDE RETAINERS, SHIM P'S, CONNECTION BOLTS, AND ANCHOR BOLTS ARE INCLUDED IN "FURNISHING AND ERECTING STRUCTURAL STEEL". SEE SHEET 1/3 OF 1/6 FOR ANCHOR BOLT INSTALLATION. PRIOR TO ORDERING ANY MATERIALS, THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL BEARING HEIGHT AND SHIM THICKNESS DIMENSIONS. MIN. JACK CAPACITY = 310 kN



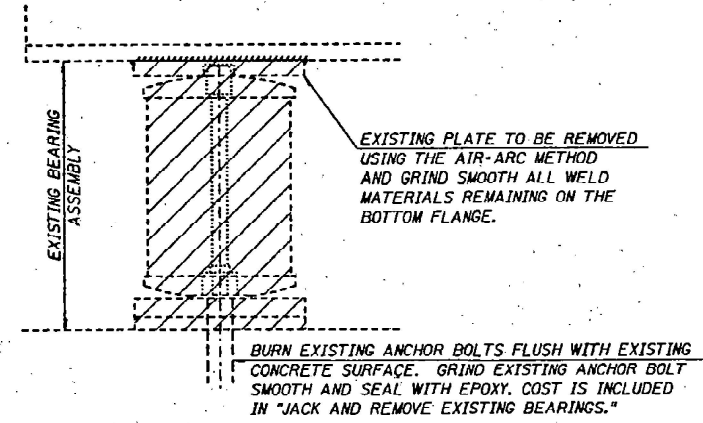
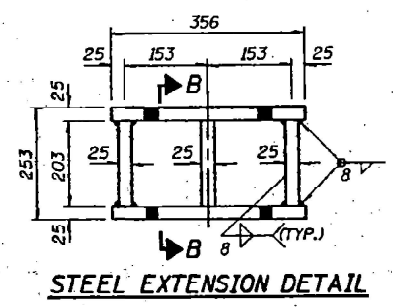
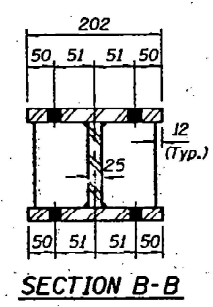
TYPE I ELASTOMERIC EXP. BRG.



NOTE: SHIM PLATES SHALL NOT BE PLACED UNDER BEARING ASSEMBLY.



Showing bottom  $\phi$  and side retainers and Top  $\phi$  of the East Abutment



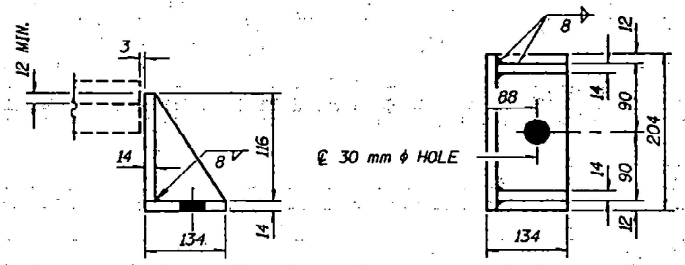
BILL OF MATERIALS

ITEM	UNIT	TOTAL
ELASTOMERIC BEARING ASSEMBLY TYPE 1	Each	6

ELASTOMERIC BEARING, TYPE I  
 EAST ABUTMENT  
 STR # 096-0060  
 LOCATION 9

DESIGNED	EXAMINED
CHECKED	ENGINEER OF STRUCTURAL SERVICES
DRAWN	PASSED
CHECKED	ENGINEER OF BRIDGES AND STRUCTURES

TYI/REPS 8-03-98



EQUIVALENT ROLLED ANGLE WITH STIFFENERS WILL BE ALLOWED IN LIEU OF WELDED PLATES.

MODEL: EXISTING STRUCTURE PLANS-12 (Sheet)  
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USER NAME = kyle.price	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/18/2025	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE DETAILS  
 SN:096-0060

SCALE: SHEET 13 OF 16 SHEETS STA. TO STA.

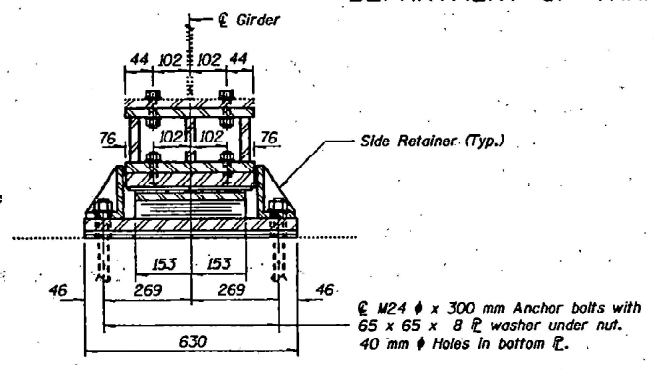
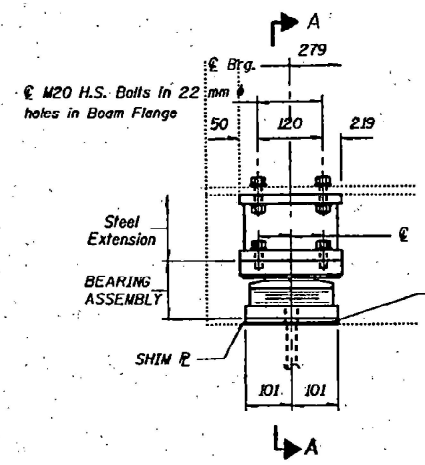
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
164		WAYNE	20	17
CONTRACT NO. 74D63				
ILLINOIS FED. AID PROJECT				

F.A.I. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(96-4)RS	WAYNE	116	109
FED. ROAD DIST. NO. 7		ILLINOIS	ILL. ROAD PROJECT NO.	

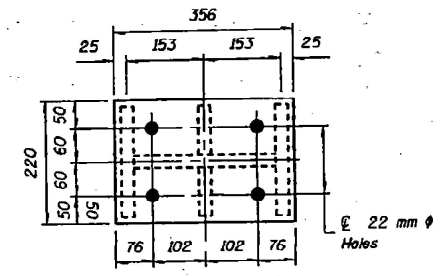
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BEAM REACTIONS

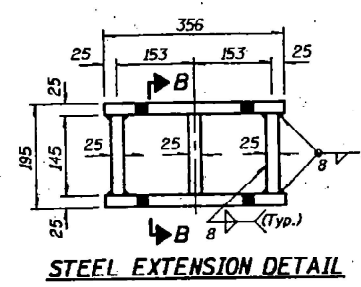
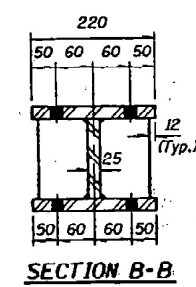
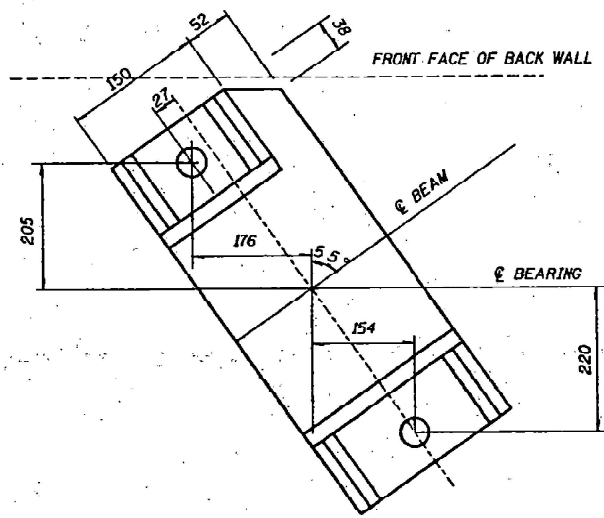
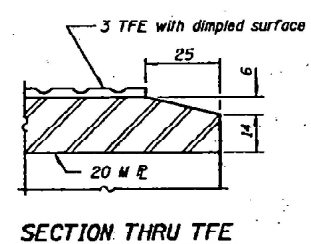
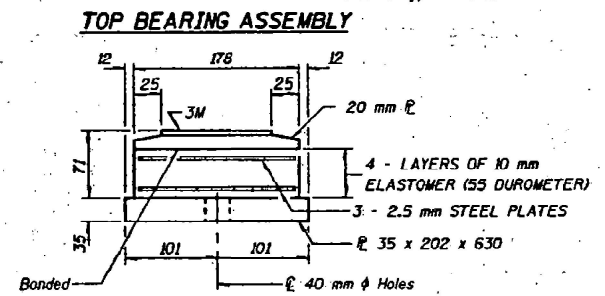
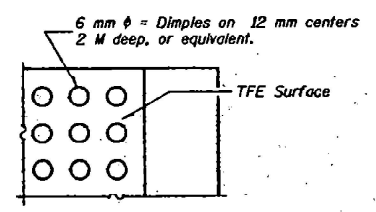
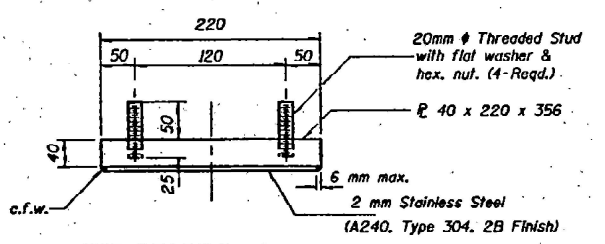
RD	(kN)	98.8
R	(kN)	166.4
IMP.	(kN)	46.3
R (Total)	(kN)	311.5



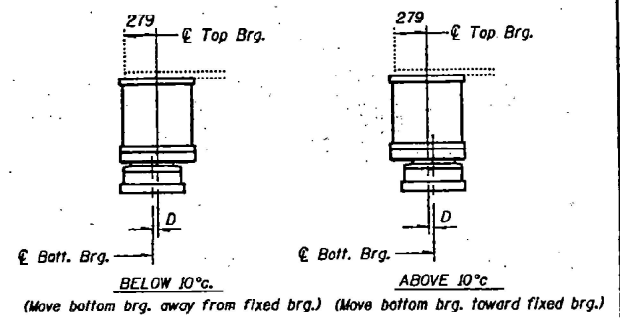
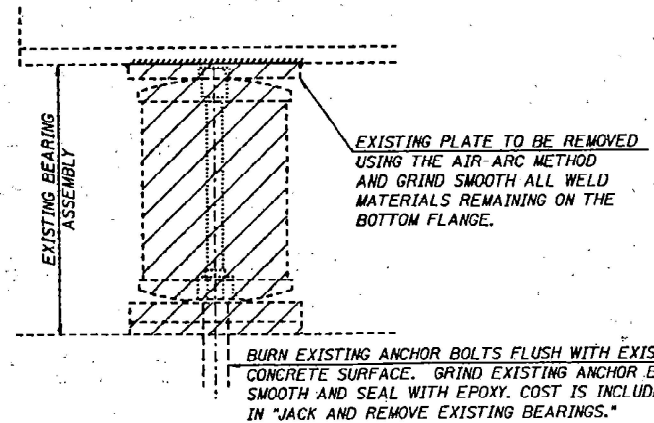
Notes:  
Diaphragm removal and replacement may be required to facilitate drilling holes. Cost shall be included in the cost of "Furnishing and Erecting Structural Steel".  
New steel extensions, side retainers, shim  $\bar{r}$ 's, connection bolts, anchor bolts and neoprene mat are included in "Furnishing and Erecting Structural Steel".  
See Sheet 1/3 of 1/6 for Anchor Bolt Installation.  
Prior to ordering any material, the Contractor shall verify in the field all bearing height and  $\bar{M}$  thickness dimensions.  
min. jack capacity = 310 kN



TYPE II TFE ELASTOMERIC EXP. BRG.



Note: The 3 mm TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.  
Bonding of 3 mm TFE sheet during vulcanizing process will be permitted provided the process and R method of adjusting assembly height is approved by the Engineer.



SETTING ANCHOR BOLTS AT EXP. BRG.  
D = 1 mm per each 10 M of expansion for every 8° c temp. change from the normal temp. of 10°c

BILL OF MATERIAL

ITEM	Unit	Total
ELASTOMERIC BEARING ASSEMBLY TYPE II	Each	6

ELASTOMERIC BEARING, TYPE II  
WEST ABUTMENT  
STR # 096-0060  
LOCATION 9

DESIGNED	EXAMINED
CHECKED	PASSED
DRAWN	
CHECKED	

TYII/REPS 8-03-98

SIDE RETAINER  
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.  
LONG RETAINER  
SHORT RETAINER

USER NAME = kyle.price	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/18/2025	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE DETAILS  
SN:096-0060

SCALE: SHEET 14 OF 16 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
164		WAYNE	20	18
CONTRACT NO. 74D63				

MODEL: EXISTING STRUCTURE PLANS-43 (Sheet)  
FILE NAME: c:\paw\work\road\kyle.price\illinois\paw\121996\0774063-EXISTING STRUCTURE PLANS.dgn

MMO 12/21/99  
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28 29 30 31 32 33 34 35 36  
37 38 39 40 41 42 43 44 45  
46 47 48 49 50 51 52 53 54  
55 56 57 58 59 60 61 62 63

MMO 12/21/99



