

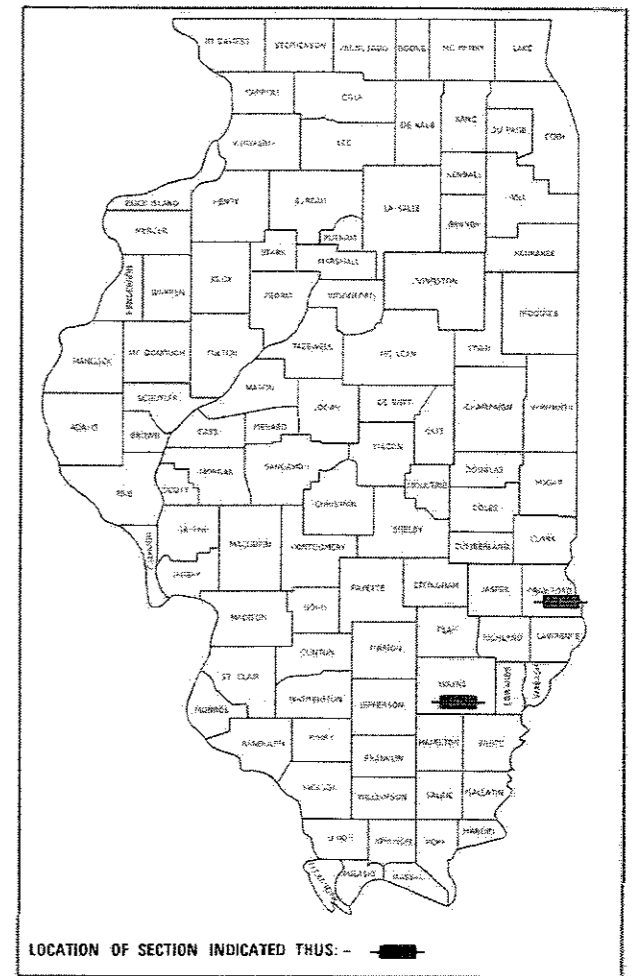
04-27-2018 LETTING ITEM 107

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. D7 BRIDGE PAINTING 2018-4			18	1
ILLINOIS		CONTRACT NO. 74841		

\* CRAWFORD & WAYNE COUNTIES

D-97-028-18



LOCATION OF SECTION INDICATED THUS: - [highlighted area] -

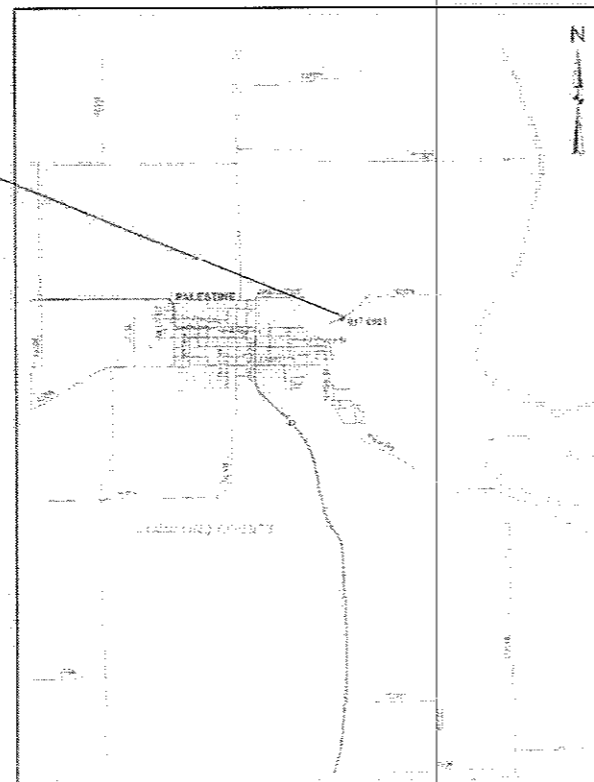
# PROPOSED HIGHWAY PLANS

SBI 163 / FAI 64 (E. FRANKLIN ST / I-64)  
SECTION D7 BRIDGE PAINTING 2018-4  
PROJECT NHPP-STP-XG5E(543)  
BRIDGE PAINTING  
CRAWFORD & WAYNE COUNTIES

C-97-048-18

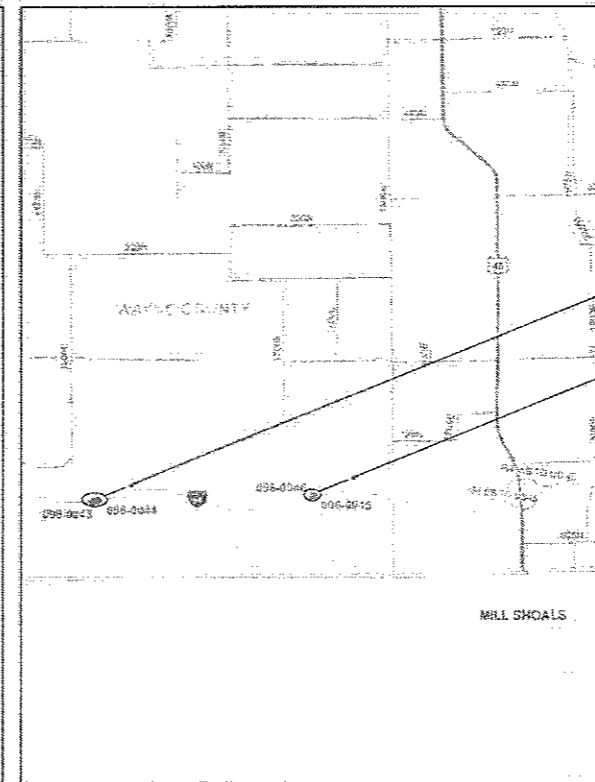
FOR INDEX OF SHEETS, SEE SHEET NO. 2

LOCATION 1



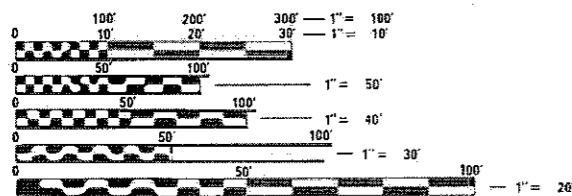
CRAWFORD COUNTY

LOCATION 2



WAYNE COUNTY

LOCATION 3



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: TOM RONAN  
PROJECT MANAGER: TOM RONAN  
PHONE: (217) 342-8320  
CONTRACT NO. 74841

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED 1-31-2018

*Jeffrey C. Smith* M.D.  
REGISTERED ENGINEER

MAR 23 2018  
*Paul P. [Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

MAR 23 2018  
*Paul P. [Signature]*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS, GENERAL NOTES, & LOCATION DESCRIPTIONS
3	SUMMARY OF QUANTITIES
4	LOCATION MAPS
5-18	EXISTING STRUCTURE PLANS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 18:

STD. NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
701001-02	OFF-RD OPERATIONS, 2L2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS, 2L2W, 15' TO 24" FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-11	LANE CLOSURE, FREEWAY/EXPRESSWAY
701901-07	TRAFFIC CONTROL DEVICES
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

GENERAL NOTES

THE PROPOSED PROJECT IS LOCATED AT TWO LOCATIONS ON I-64 IN WAYNE COUNTY AND ONE LOCATION ON SBI 163 IN CRAWFORD COUNTY

THE WORK INCLUDED IN THIS SECTION CONSISTS OF CLEANING AND PAINTING FIVE BRIDGES AT THREE LOCATIONS AS SPECIFIED IN THE PLANS AND SPECIAL PROVISIONS.

ALL DECK DRAINS SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 - OZ/E/U. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT THEIR OWN EXPENSE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ALL TRASH AND PAINTING DEBRIS, EXCLUDING WASTE BARRELS OR ROLL-OFF DUMPSTERS, SHALL BE REMOVED BEFORE BEGINNING WORK AT ANOTHER LOCATION.

ONLY STRUCTURAL STEEL IS TO BE PAINTED. ALL OTHER SURFACES WILL BE PROTECTED FROM BEING PAINTED. ALL PAINT AND OVERSPRAY WILL BE REMOVED AT THE CONTRACTOR'S EXPENSE.

THE SSPC OP1 AND OP2 PAINTING CONTRACTOR CERTIFICATION WILL BE REQUIRED FOR THIS PROJECT.

LOCATION #1

BRIDGE # 1  
 ROUTE: SBI 163  
 MARKED: Unmarked  
 SECTION: 103B  
 STATION: 44+05  
 STRUCTURE NUMBER: 017-0021

TYPE OF BRIDGE: Wide Flange I-Beams-3 Spans (5 Beams)  
 LOCATION: 0.25 Miles Northeast of Palestine  
 FEATURE CARRIED/SPANNED: SBI 163 over Sugar Creek

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

Cleaning and painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". The entire north fascia beam shall be cleaned by SSPC-SP10- Near White Metal Blast Cleaning.

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.

No air monitors will be required at this location.

LOCATION #2

ROUTE: FAI 64  
 MARKED: I-64  
 SECTION: 96-3B-1  
 STATION: 4124+93.3 (EB) & 1122+39.08 (WB)  
 BRIDGE NUMBER 2: 096-0043  
 BRIDGE NUMBER 3: 096-0044

TYPE OF BRIDGES: Wide Flange I Beams-5 Spans (6 Beams)  
 LOCATION: 7 miles east of the Illinois Route 242 interchange  
 FEATURE CARRIED/SPANNED: I-64 EB & WB over Skillet Fork Ditch

COLOR OF THE FINISH COAT SHALL BE GREEN, MUNSELL 10B 1/2

Cleaning and painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All structural steel, including beams, bearings and diaphragms, within 5' (measured along the beam) of the abutments and any expansion joints at piers shall be cleaned by SSPC-SP10- Near White Metal Blast Cleaning. The entire outside and bottom of the bottom flange of both fascia beams, for the entire length of the beams, shall be cleaned by SSPC-SP10- Near White Metal Blast Cleaning.

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.

No air monitors will be required at this location.

LOCATION #3

ROUTE: FAI 64  
 MARKED: I-64  
 SECTION: 96-3B-2  
 STATION: 4231+55 (EB & WB)  
 BRIDGE NUMBER 4: 096-0045  
 BRIDGE NUMBER 5: 096-0046

TYPE OF BRIDGES: Wide Flange I Beams-5 Spans (6 Beams)  
 LOCATION: 1.75 miles west of the US Route 45 interchange  
 FEATURE CARRIED/SPANNED: I-64 EB & WB over Eagle Slough Ditch

COLOR OF THE FINISH COAT SHALL BE GREEN, MUNSELL 10B 1/2

Cleaning and painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All structural steel, including beams, bearings and diaphragms, within 5' (measured along the beam) of the abutments and any expansion joints at piers shall be cleaned by SSPC-SP10- Near White Metal Blast Cleaning. The entire outside and bottom of the bottom flange of both fascia beams, for the entire length of the beams, shall be cleaned by SSPC-SP10- Near White Metal Blast Cleaning.

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.

No air monitors will be required at this location.

\* CRAWFORD & WAYNE COUNTIES

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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -				VAR.	D7 BRIDGE PAINTING 2018-4	*	18	2
PLOT DATE = 1/31/2018	CHECKED -	REVISED -		SCALE:		SHEET 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 74841	
	DATE -	REVISED -						ILLINOIS FED. AID PROJECT		

STP  
80% FED  
20% STATE

NHPP  
80% FED  
20% STATE

SUMMARY OF QUANTITIES				TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT	CRAWFORD COUNTY 0047		WAYNE COUNTY 0047	
67100100	MOBILIZATION	L SUM	1	0.33	0.67	
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1		1	
	701401					
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR	L SUM	1	1		
	21					
Z0007112	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES	L SUM	1	0.2	0.8	
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1		
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	
Z0010505	CLEANING AND PAINTING STEEL BRIDGE NO. 5	L SUM	1		1	

10

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

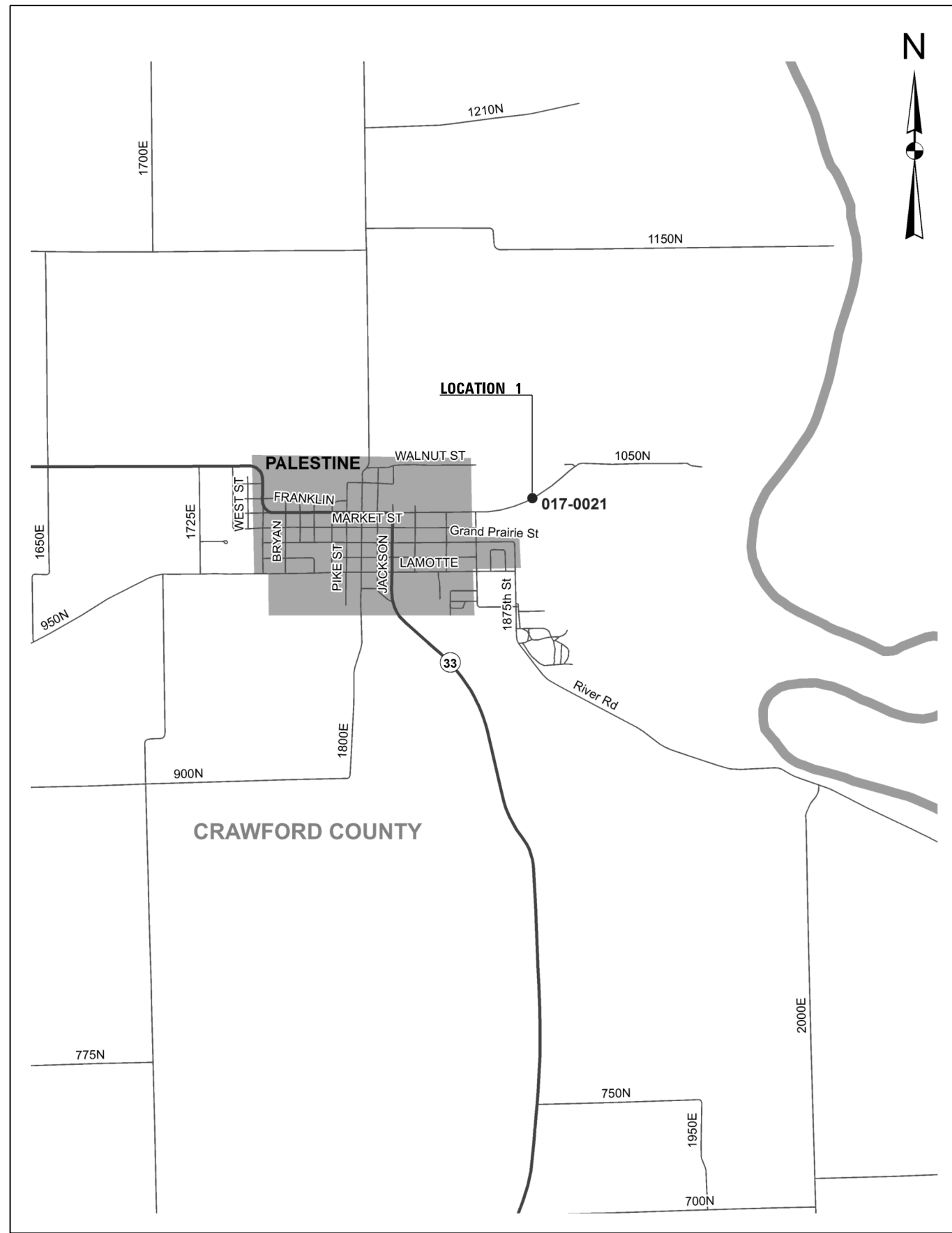
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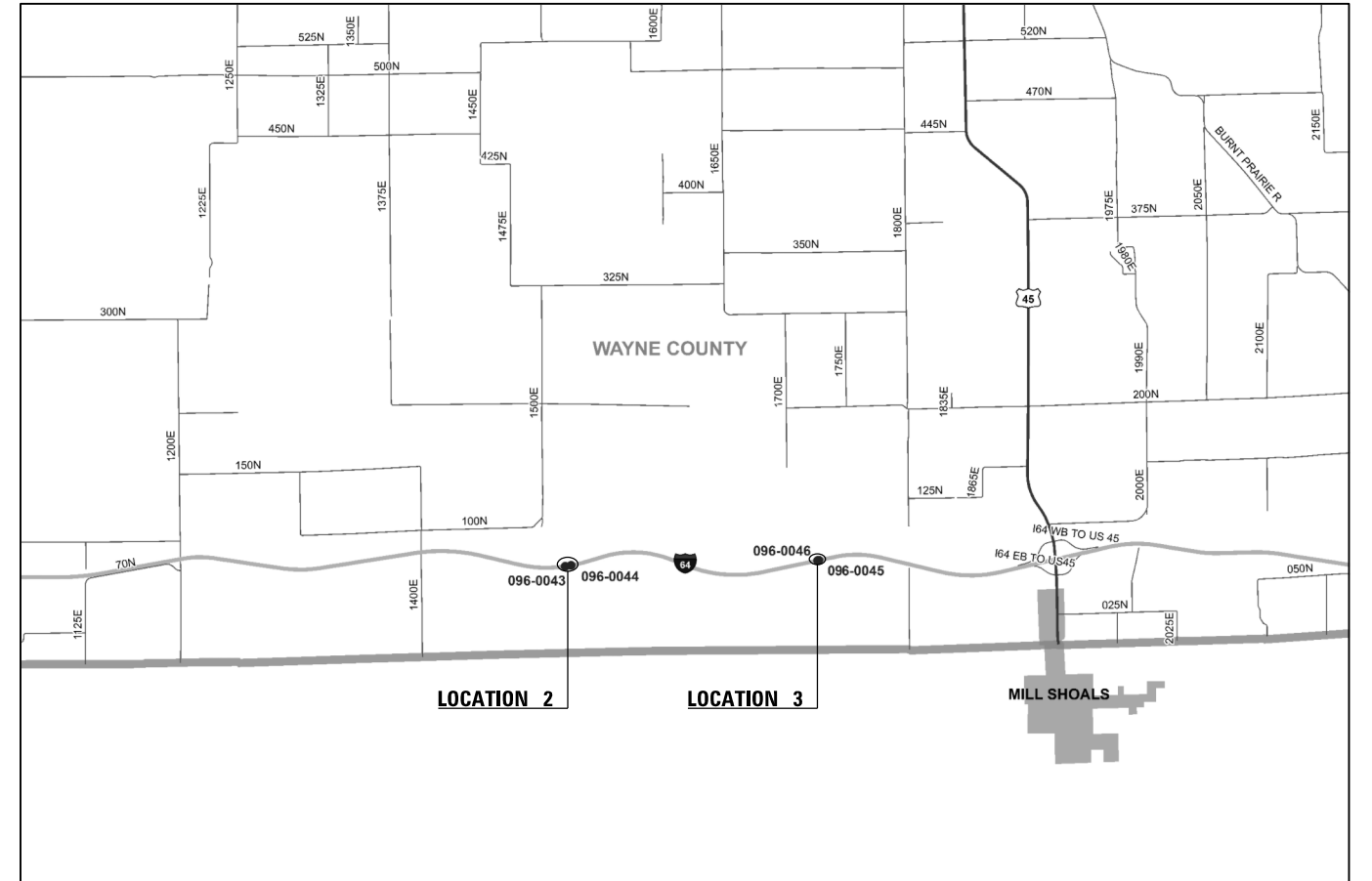
CRAWFORD & WAYNE COUNTIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. D7 BRIDGE PAINTING 2018-4			18	3
CONTRACT NO. 74841			ILLINOIS FED. AID PROJECT	

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CRAWFORD COUNTY



WAYNE COUNTY

\*CRAWFORD & WAYNE COUNTIES

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	DRAWN -	REVISED -
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PLOT DATE = 1/31/2018	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

LOCATION MAPS

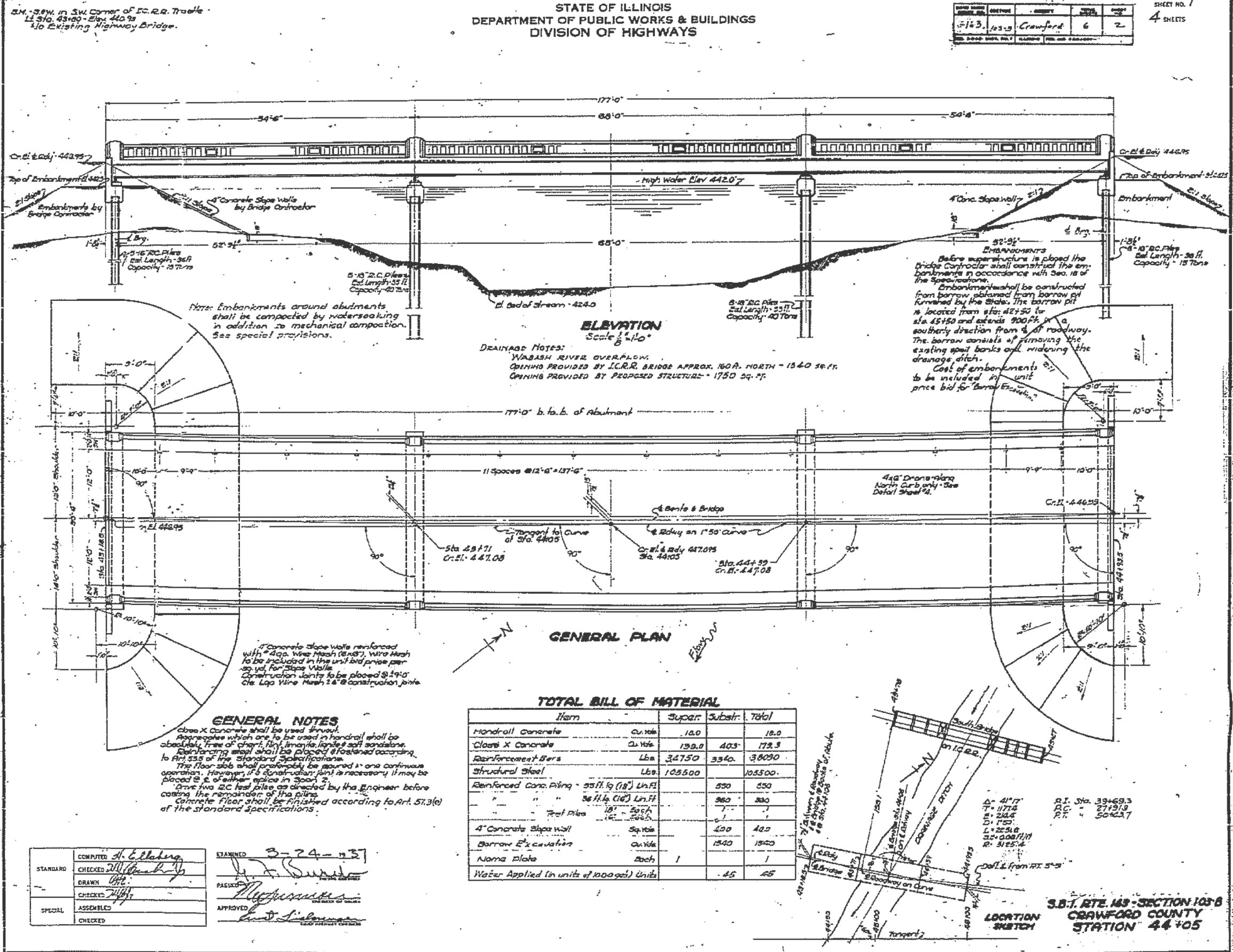
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VAR.	D7 BRIDGE PAINTING 2018-4	*	18	4
			CONTRACT NO. 74841	
ILLINOIS FED. AID PROJECT				

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

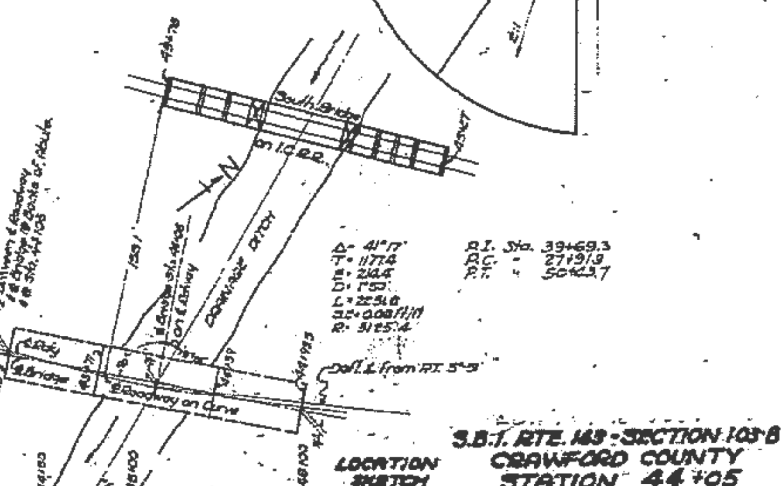
PROJECT NO.	SECTION	SHEET NO.	TOTAL SHEETS
113.103.8	Crawford	6	2

SHEET NO. 1  
4 SHEETS



**TOTAL BILL OF MATERIAL**

Item	Super.	Subst.	Total
Handrail Concrete	Cu. Yds. 18.0		18.0
Class X Concrete	Cu. Yds. 199.8	403	172.3
Reinforcement Bars	Lbs. 34750	3340	38090
Structural Steel	Lbs. 105500		105500
Reinforced Conc. Piling - 55 ft. lg (18") Ln. P.		550	550
Reinforced Conc. Piling - 36 ft. lg (16") Ln. P.		360	360
Test Piles - 18" dia		7	7
4" Concrete Slope wall	Sq. Yds. 420		420
Borrow Excavation	Cu. Yds. 1540		1540
Name Plate	Each 1		1
Water Applied (in units of 1000 gals) Units		45	45



STANDARD	COMPUTED	H. Ellaburg
	CHECKED	M. Blomberg
SPECIAL	ASSEMBLED	
	CHECKED	

EXAMINED **3-24-13**  
 PASSED BY [Signature]  
 APPROVED [Signature]

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING PLAN SHEETS  
S.N. 017-0021**

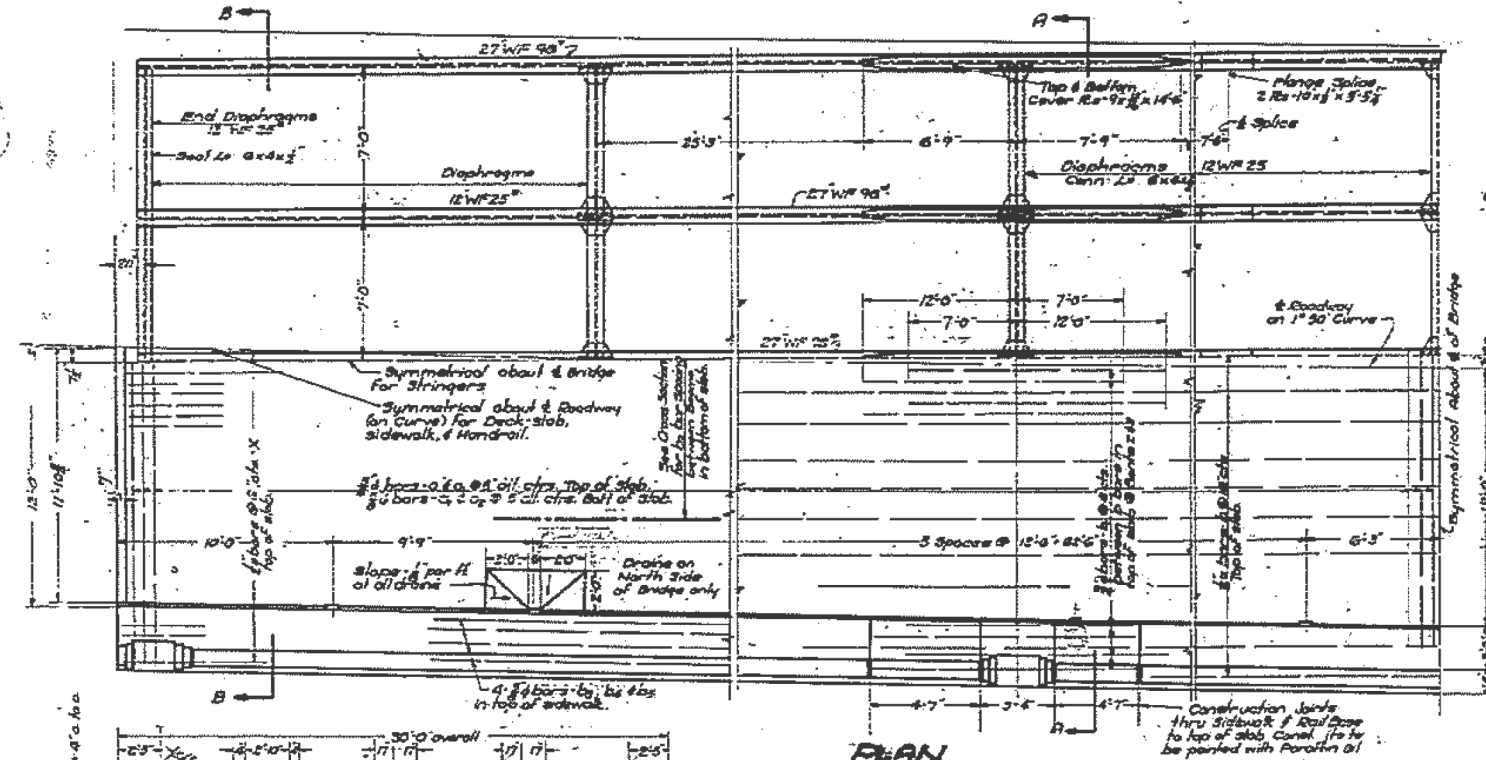
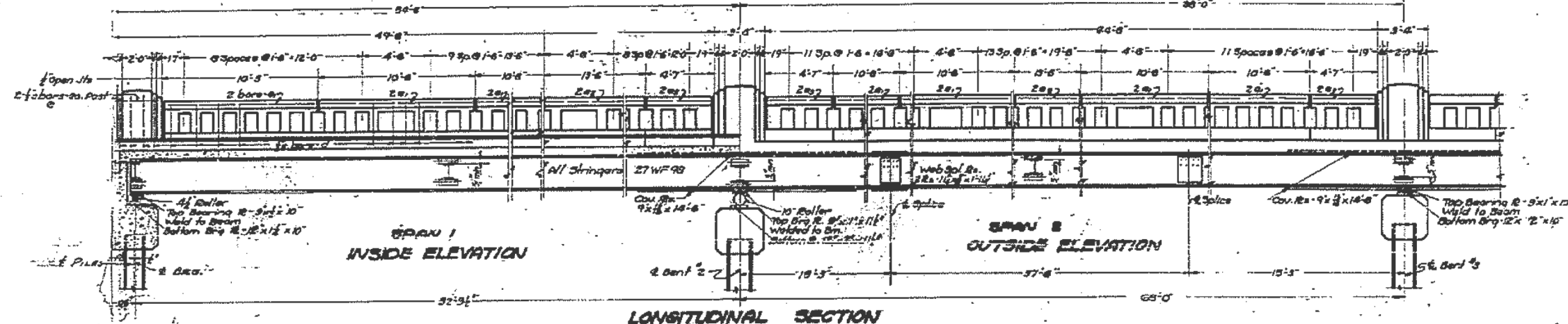
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*CRAWFORD & WAYNE COUNTIES				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. D7 BRIDGE PAINTING 2018-4			18	5
CONTRACT NO. 74841				
ILLINOIS FED. AID PROJECT				

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

PROJECT NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
763	105-B	Crawford	6	3

SHEET NO. 2  
4 SHEETS



DL DEFLECTIONS AT 1/2 POINTS OF SPANS  
Allowance for Camber to be added to above

Span 1	Span 2	Span 3	Span 4	Span 5
446.55	447.05	447.15	447.05	446.55

CROWN ELEVATIONS ALONG BILL OF MATERIAL - SLOPED & ROADWAY ON CURVE

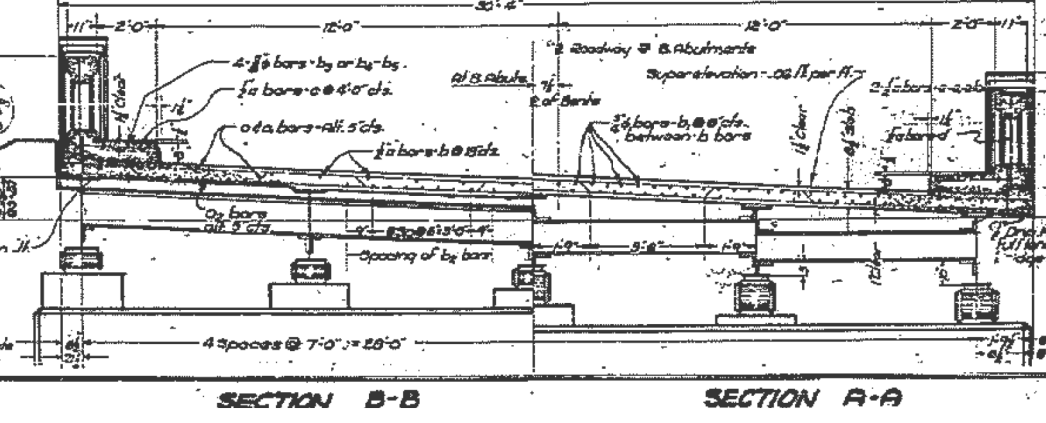
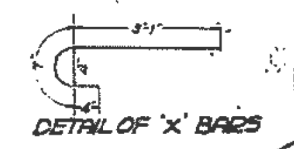
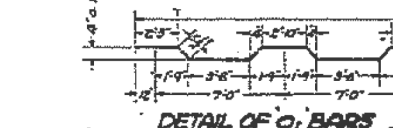
Bar	No.	Size	Length
a	211	45°	30'-0"
a	211	"	31'-0"
a	211	"	31'-0"
b	147	3/4"	28'-3"
b	80	3/4"	19'-0"
b	208	1/2"	23'-3"
b	32	3/4"	23'-9"
b	16	"	28'-6"
b	32	"	4'-3"
c	90	1/2"	8'-0"
d	242	"	31'-0"
e	18	"	3'-0"
e	40	"	10'-3"
e	12	"	8'-3"
e	36	"	4'-8"
x	122	"	4'-0"

CONCRETE FILLET TO BE USED FOR D.L. DEFLECTION & FOR LONGITUDINAL CAMBER  
Fillet batch to be determined in the field and equal to the difference in elevation between the bottom of the slab & the top of the beam plus the dead load deflection.

NOTES  
1. Shop connections except for diaphragms shall be welded. Field connections shall be riveted. Rivet bolts may be used in place of field rivets provided all holes are punched & reamed after all steel has been completely assembled at the shop or on the structure.  
2. Rivets shall be made of steel complying with following specifications:  
Carbon 0.25% to 0.28%  
Manganese 0.75% to 1.00%  
Ultimate strength not less than 70,000 Lbs per sq. inch.  
Welding shall comply with the specifications of the American Welding Society for Union Welding of Highway and Railway Bridges.  
Structural steel shall receive one shop coat of bitumastic paint and two field coats of similar kind and color. The specifications for all paint shall be furnished by the Department.

COMPUTED	H. Hillberg
CHECKED	M.H.
DRAWN	J.P. Joyce & Co.
CHECKED	M.H.
ASSEMBLED	
CHECKED	

EXAMINED 3-24-1937  
PASSED  
APPROVED



S&I RTE 163-SECTION 105-B  
CRAWFORD COUNTY  
STATION 44+05

USER NAME = steffenk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 1/31/2018	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PLAN SHEETS  
S.N. 017-0021

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

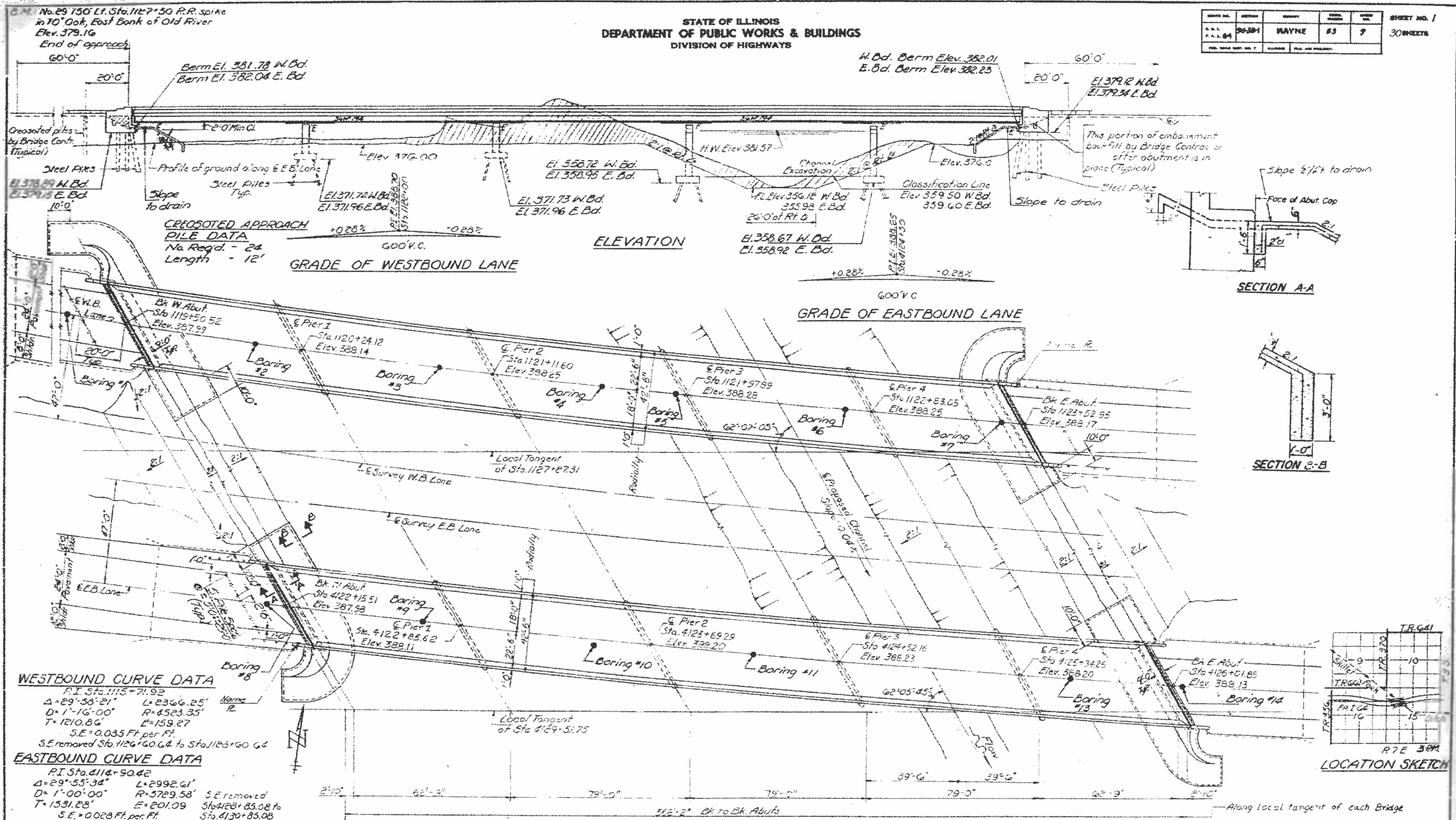
CRAWFORD & WAYNE COUNTIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. D7 BRIDGE PAINTING 2018-4			18	6
			CONTRACT NO. 74841	
			ILLINOIS FED. AID PROJECT	



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

DATE	REVISION	BY	NO.	DATE	SHEET NO.
11-28-84	04-38-1	WAYNE	83	7	30 SHEETS



**CREOSOTED APPROACH PILE DATA**  
No. Req'd - 24  
Length - 12'

**WESTBOUND CURVE DATA**  
P.I. Sta. 1115+71.92  
 $\Delta = 29^\circ 58' 21''$  L = 2346.25' Norm. R.  
D = 1' 16" 00" R = 4523.35'  
T = 1210.86' E = 159.27'  
S.E. = 0.035 Ft. per Ft.  
S.E. removed Sta. 1126+40.64 to Sta. 1123+60.64

**EASTBOUND CURVE DATA**  
P.I. Sta. 4114+50.42  
 $\Delta = 29^\circ 55' 34''$  L = 2992.61' S.E. removed  
D = 1' 00" 00" R = 5729.58'  
T = 1531.28' E = 201.09' Sta. 4123+85.08 to Sta. 4130+85.08  
S.E. = 0.028 Ft. per Ft.

**DESIGN STRESSES**  
P = 1200 psi Sub, 1200 Psi Super  
V = 75 psi Ftgs.  
F<sub>s</sub> = 20,000 psi Reinf.  
F<sub>s</sub> = 20,000 psi Struct. (A-36)  
n = 10  
Allow'd Deflection = 4/1000  
LOADING MS20-ALL ALT.

**WATERWAY INFORMATION**  
Drainage Area 429,040 acres  
Character Level Clay, Cult. water  
Required Opening (50 Yr) 2,670 Sq Ft  
Proposed Opening 2,870 Sq Ft  
Ordinary Water Elev. 358.50 (A) 358.60 (B) Other discharge locations  
Low Water Elev. 358.50 (W.B.)  
Low Water Elev. 358.60 (E.B.)  
High Water Elev. 361.57  
Design Frequency Discharge = 14,350 cfs.  
\*Based on 21% of design discharge  
Skillet Fork Lagoon 12%  
Eagle Slough 40%  
Branch Skillet Fork 6%

DESIGNED: J. J. Carlin  
CHECKED: A. Borrazo  
DRAWN: A. Borrazo  
OCT 21 1965  
EXAMINED: [Signature]  
PASSED:  
APPROVED:

DESIGNED	J. J. Carlin
CHECKED	A. Borrazo
DRAWN	A. Borrazo
CHECKED	[Signature]

USER NAME	= stefenmk	DESIGNED	-	REVISED	-
DRAWN	-	DRAWN	-	REVISED	-
PLOT SCALE	= 100,0000' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 1/31/2018	DATE	-	REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PLAN SHEETS  
S.N. 096-0043 & S.N. 096-0044  
SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

\*CRAWFORD & WAYNE COUNTIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. D7 BRIDGE PAINTING 2018-4			18	8

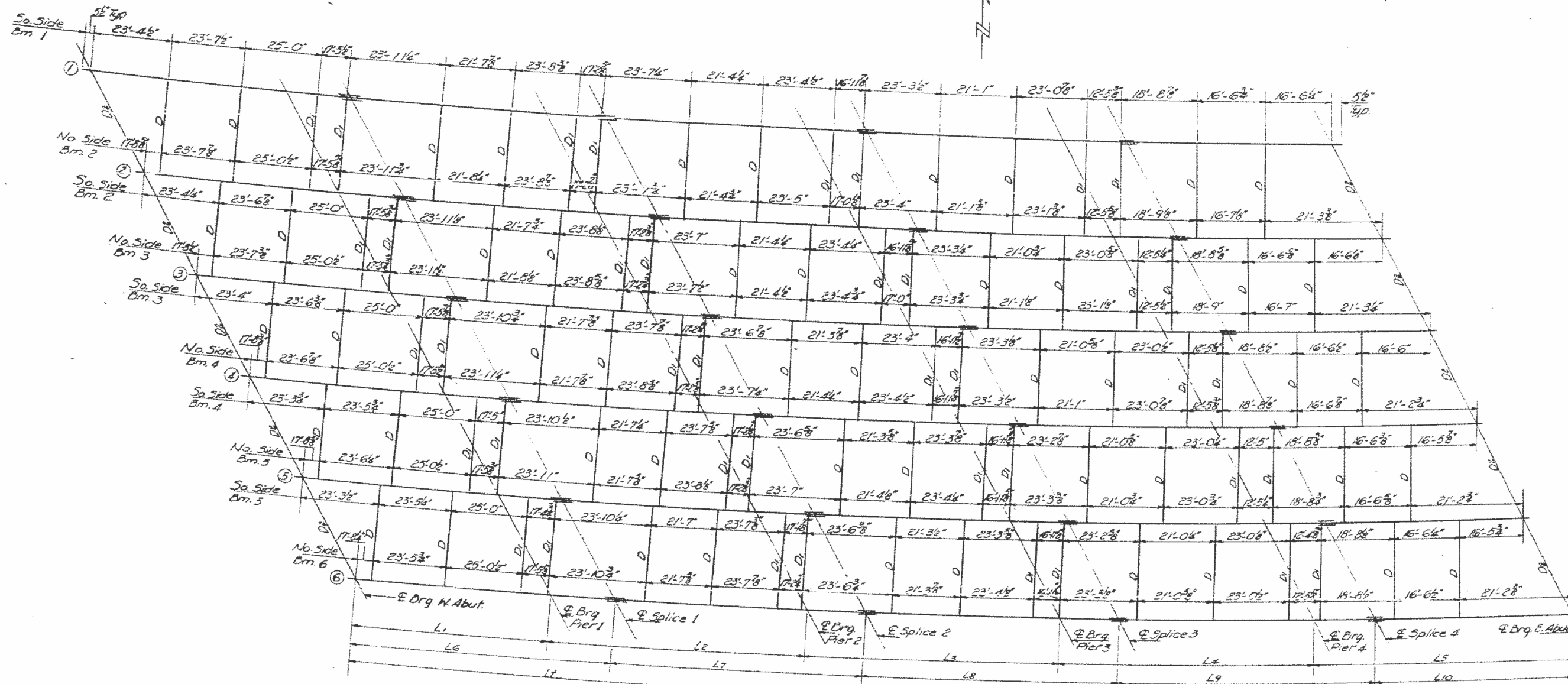
CONTRACT NO. 74841  
ILLINOIS FED. AID PROJECT

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

PROJECT NO.	SECTION	SHEET NO.	TOTAL SHEETS
96-00-1	WAYNE	53	11
SHEET NO. 5			



FRAMING PLAN  
All Beams are 36 WF 194

TABLE OF DIMENSIONS

Beams	1	2	3	4	5	6
L1	69-10 1/2	69-9 3/8	69-8 7/8	69-7 7/8	69-7	69-6 1/2
L2	86-7 3/8	86-8 1/2	86-7 3/8	86-6 3/4	86-5 3/8	86-4 3/8
L3	85-7	85-6 5/8	85-5 3/4	85-4 3/8	85-3 3/8	85-2 3/8
L4	84-8 1/2	84-4 3/8	84-4	84-3 3/8	84-2 3/8	84-1 3/8
L5	66-4	66-3 3/8	66-2 3/8	66-2 1/8	66-1 3/8	66-1 1/8
L6	91-8	91-7	91-6	91-4 3/8	91-3 3/8	91-2 3/8
L7	86-5 3/8	86-4 3/8	86-4	86-3	86-2 3/8	86-1 3/8
L8	85-3 3/8	85-2 3/8	85-1 3/8	85-1 1/8	85-0 3/8	84-11 3/8
L9	79-10 3/8	79-9 3/8	79-8 3/8	79-8 1/8	79-7 1/8	79-6 3/8
L10	49-8 3/8	49-8 1/8	49-7 3/8	49-7 1/8	49-6 3/8	49-5 3/8
L1	393-0 3/8	392-8 3/8	392-4 3/8	392-0 3/8	391-8 3/8	391-4 3/8
Radii	4455.77	4443.10	4470.45	4477.77	4485.10	4492.43

Notes: All dimensions are  
along E Brms.  
See Sheet #5 for  
Structural Steel Details.

DESIGNED	James M. Carter	EXAMINED	Oct 21 1968
CHECKED	Maxwell M. Ruff	PASSED	[Signature]
DRAWN	A. Borroza	APPROVED	
CHECKED	Maxwell M. Ruff		

WEST B.D. LANES  
STRUCTURAL STEEL  
FAIR RT. 64 SEC. 96-3B-1  
WAYNE COUNTY  
STA. 1127+27.31

MODEL: Defaul  
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 PROJECT: 1153-001-005-001  
 OFFICE: ILLINOIS  
 DATE: 10/21/68  
 SCALE: 1/8"=1'-0"  
 SHEET: 5 OF 11

USER NAME = steffenk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

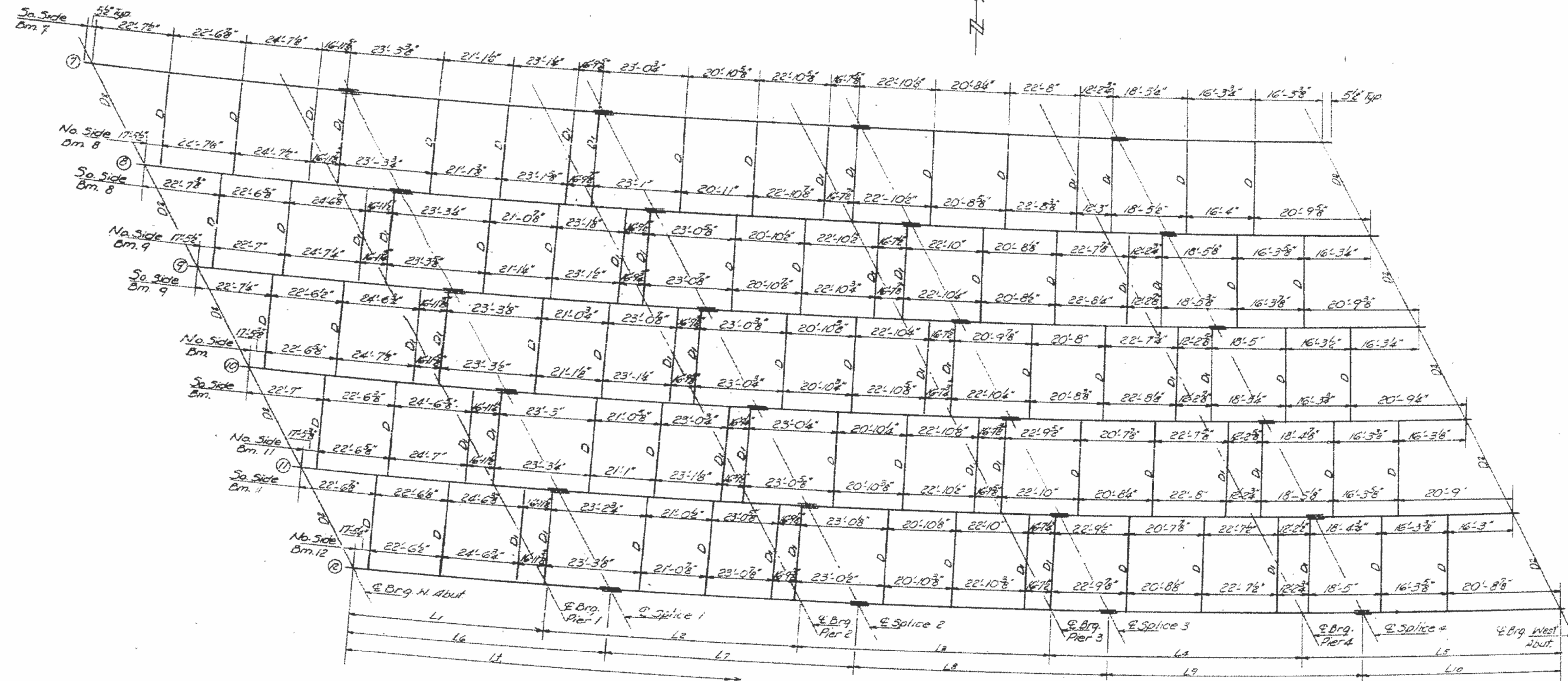
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PLAN SHEETS  
S.N. 096-0043 & S.N. 096-0044

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

CRAWFORD & WAYNE COUNTIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. D7 BRIDGE PAINTING 2018-4			18	9
CONTRACT NO. 74841				
ILLINOIS FED. AID PROJECT				



FRAMING PLAN  
All Beams are 36x14 I44

TABLE OF DIMENSIONS

Beam	7	8	9	10	11	12
L1	67'-8"	67'-8"	67'-7"	67'-7"	67'-6"	67'-6"
L2	84'-5"	84'-5"	84'-4"	84'-3"	84'-3"	84'-2"
L3	83'-7"	83'-7"	83'-6"	83'-6"	83'-5"	83'-5"
L4	82'-10"	82'-9"	82'-9"	82'-8"	82'-8"	82'-7"
L5	65'-3"	65'-3"	65'-2"	65'-2"	65'-1"	65'-1"
L6	88'-10"	88'-10"	88'-9"	88'-8"	88'-8"	88'-7"
L7	84'-3"	84'-2"	84'-2"	84'-1"	84'-0"	84'-0"
L8	83'-5"	83'-4"	83'-4"	83'-3"	83'-3"	83'-2"
L9	78'-5"	78'-4"	78'-4"	78'-3"	78'-3"	78'-2"
L10	48'-11"	48'-11"	48'-10"	48'-10"	48'-10"	48'-9"
L7	383'-11"	383'-9"	383'-6"	383'-4"	383'-1"	382'-10"
Rad. 1	5760.50	5767.83	5775.16	5782.49	5789.82	5797.15

Notes: All dimensions are along C Bms.  
See Sheet #5 for Structural Steel Details.

DESIGNED <i>Juan M. Castro</i>	EXAMINED <i>[Signature]</i>
CHECKED <i>[Signature]</i>	PASSED
DRAWN <i>A. Barroza</i>	APPROVED
CHECKED <i>[Signature]</i>	

OCT. 21 1968

EAST BD. LANES  
STRUCTURAL STEEL  
FAI RT. 64 SEC. 96-38-1  
WAYNE COUNTY  
STA. 4124+9330

MODEL: Default  
FILE: \\MAILS\BUREAUFIDNETE\Illinois\poc\p\DOT\Documents\DOT - Office\DIETZT 7\Projects\74841\CADD\DATA\CAD\DWG\74841-01.dwg pld. shts.dgn

\*CRAWFORD & WAYNE COUNTIES

USER NAME = steffenk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/31/2018	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PLAN SHEETS  
S.N. 096-0043 & S.N. 096-0044

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

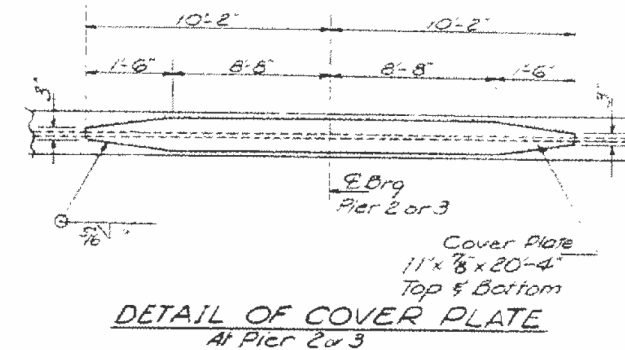
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. D7 BRIDGE PAINTING 2018-4			18	10
			CONTRACT NO. 74841	
		ILLINOIS	FED. AID PROJECT	

TOP OF BM. ELEVATIONS - EAST BD. LANES

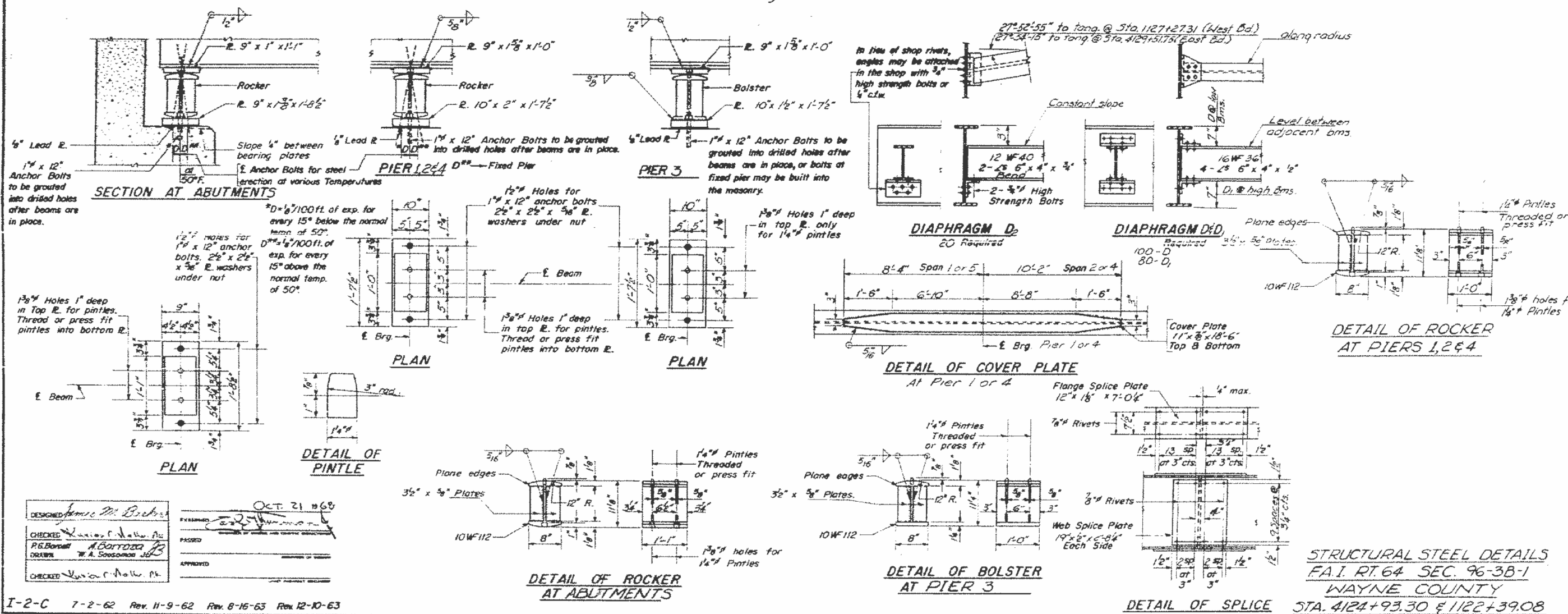
Sta.	Pier 1	Pier 2	Pier 3	Pier 4	Sp. 4	C. Abut.
7	387.23	387.39	387.50	387.72	387.99	388.02
8	387.22	387.40	387.51	387.72	387.99	388.02
9	387.27	387.43	387.54	387.75	388.01	388.04
10	387.40	387.55	387.66	387.87	388.14	388.17
11	387.70	387.85	387.96	388.17	388.44	388.47
12	387.92	388.07	388.18	388.39	388.66	388.69

TOP OF BM. ELEVATIONS - WEST BD. LANES

Sta.	Pier 1	Pier 2	Sp. 2	Pier 3	Sp. 3	Pier 4	Sp. 4	C. Abut.
1	386.75	386.77	386.79	386.80	386.77	386.76	386.80	386.80
2	387.01	387.03	387.05	387.06	387.03	387.02	387.05	387.05
3	387.11	387.13	387.15	387.16	387.13	387.12	387.15	387.15
4	387.55	387.57	387.59	387.60	387.57	387.56	387.59	387.59
5	387.82	387.84	387.86	387.87	387.84	387.83	387.86	387.86
6	387.92	387.94	387.96	387.97	387.94	387.93	387.96	387.96



Note: See Sheets 3 & 4 for Framing Plans.



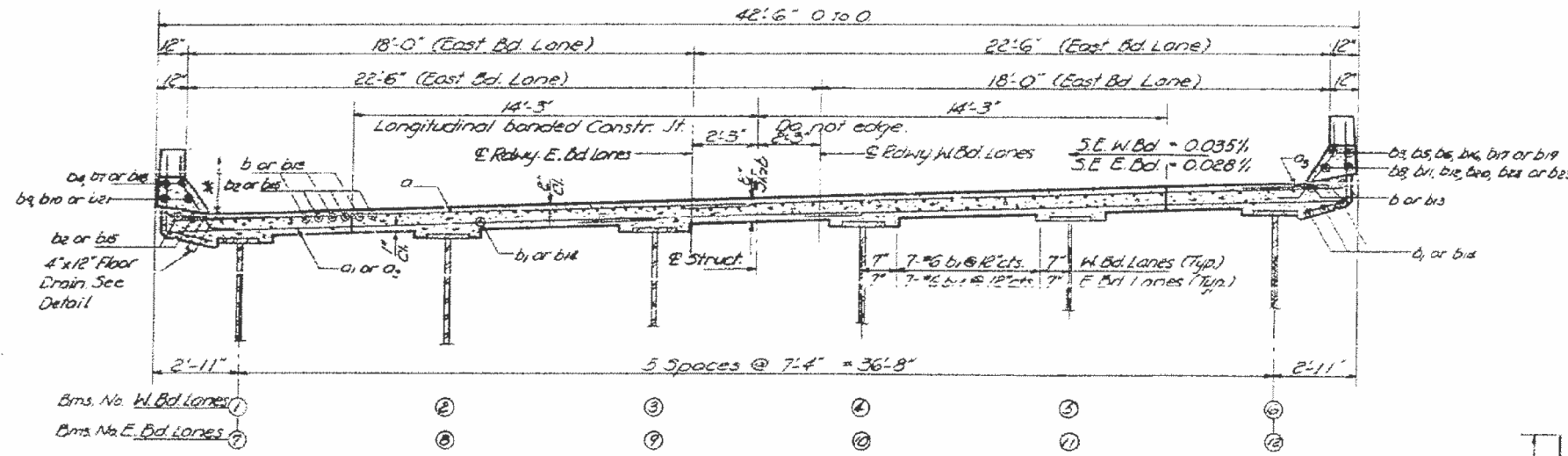
DESIGNED: James M. Becker  
CHECKED: P.S. Borsari  
DRAWN: W.A. Sosomano  
OCT 21 1968

I-2-C 7-2-62 Rev. 11-9-62 Rev. 8-15-63 Rev. 12-10-63

\* Classified as "Parapet" \*

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

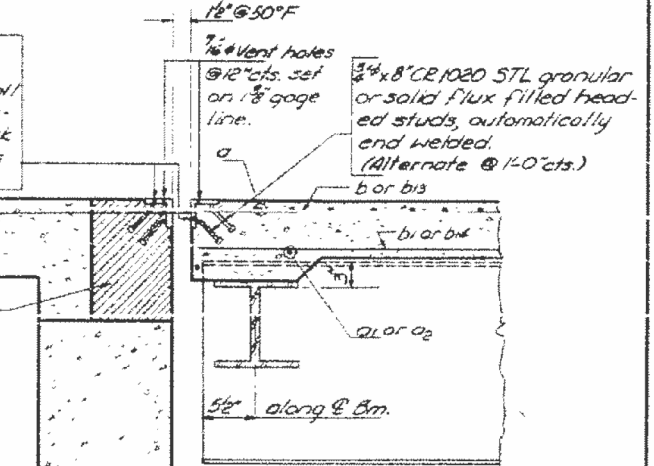
PROJECT NO.	SECTION	SHEET NO.	TOTAL SHEETS
96-38-1	WAYNE 53	16	30 SHEETS



1/4" vent holes @ 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.

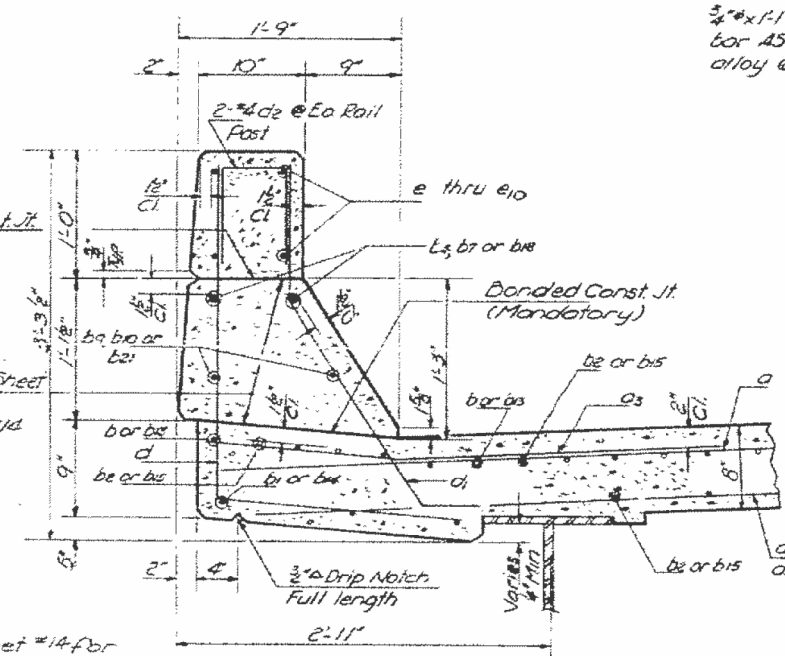
1/4" x 1/2" x 2" (See Sht. # 6 & 7 for lengths)

Hatched area to be poured after superstructure forms have been removed. Quantity of Class X Conc. included with superstructures.



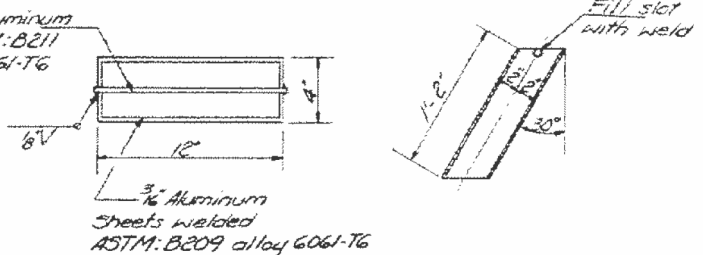
NEAR PIER      TYPICAL CROSS SECTION      NEAR MIDSPAN

All dimensions are radial. Looking East



CURB SECTION

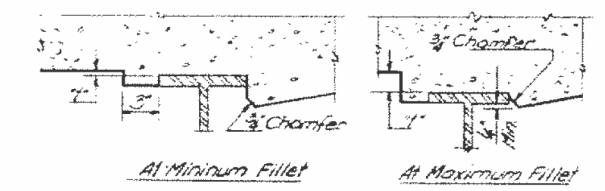
All dimensions are radial. Cost of aluminum drains. Sheets shall be incidental to Class X Conc.



FLOOR DRAIN

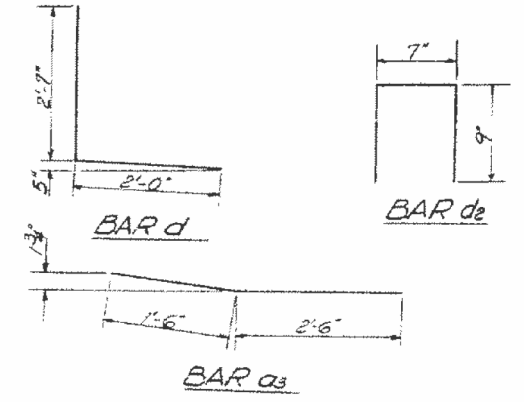
Log. Am	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1'6"	2'	2'	4'	4'	4'	4'	4'	4'	4'	4'	4'	4'	4'	4'	4'
2' thru 5'	3'	3'	4'	4'	4'	4'	4'	4'	4'	4'	4'	4'	4'	4'	4'
7' to 12'	3'	3'	4'	4'	4'	4'	4'	4'	4'	4'	4'	4'	4'	4'	4'
8 thru 11'	3'	3'	4'	4'	4'	4'	4'	4'	4'	4'	4'	4'	4'	4'	4'

TABLE OF D.L. DEFLECTION

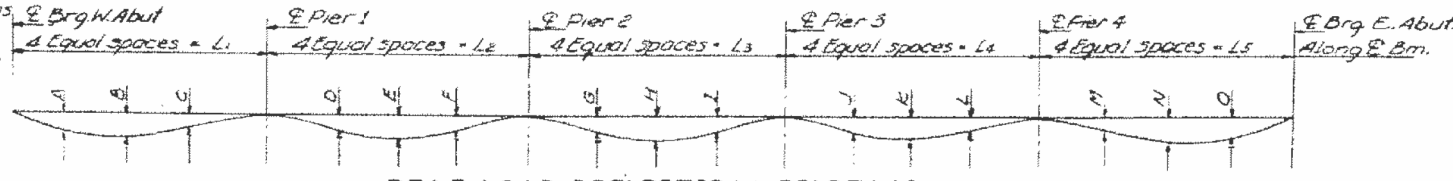


To determine "f". After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on sheet No. 12. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets 9, 10 & 11 minus slab thickness, equals the fillet height "f" above top flange of beams.

FILLET HEIGHTS



SUPERSTRUCTURE DETAILS  
F.A.I. RT. 64 SEC. 96-38-1  
WAYNE COUNTY  
STA. 4124+9330



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only) Note: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on Sheet No. 9, 10 & 11.

Note: See Sheets No. 3 & 4 for L dimensions

DESIGNED	10/21/68	M. Bosh
CHECKED	10/21/68	R. A. Borroza
DRAWN		A. Borroza
CHECKED		R. A. Borroza

OCT 21 1968  
EXAMINED  
PASSED  
APPROVED

MODEL: Default FILE: \\paul08a\BIBID\ITC\Illinois\pww\pww\DOT\Documents\DOT OFFICES\DWG\74841\CADD\DATA\CADD\9638-1\9638-1.dwg PLOT DATE: 1/31/2018

USER NAME = steffemk	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/31/2018	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET 5 OF 5 SHEETS	STA.	TO STA.
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EXISTING PLAN SHEETS  
S.N. 096-0043 & S.N. 096-0044

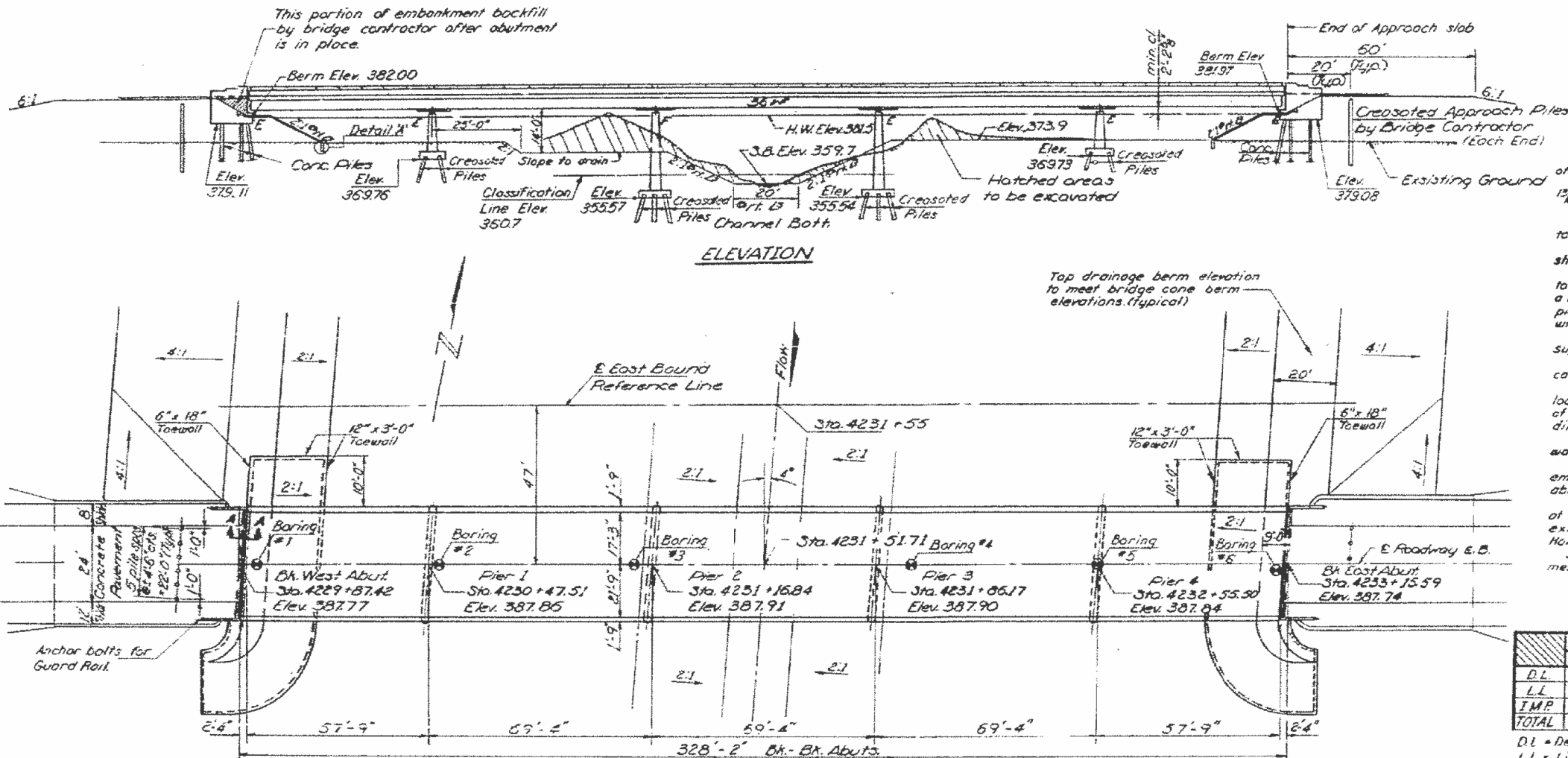
\*CRAWFORD & WAYNE COUNTIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. D7 BRIDGE PAINTING 2018-4			18	12
			CONTRACT NO. 74841	
		ILLINOIS FED. AID PROJECT		

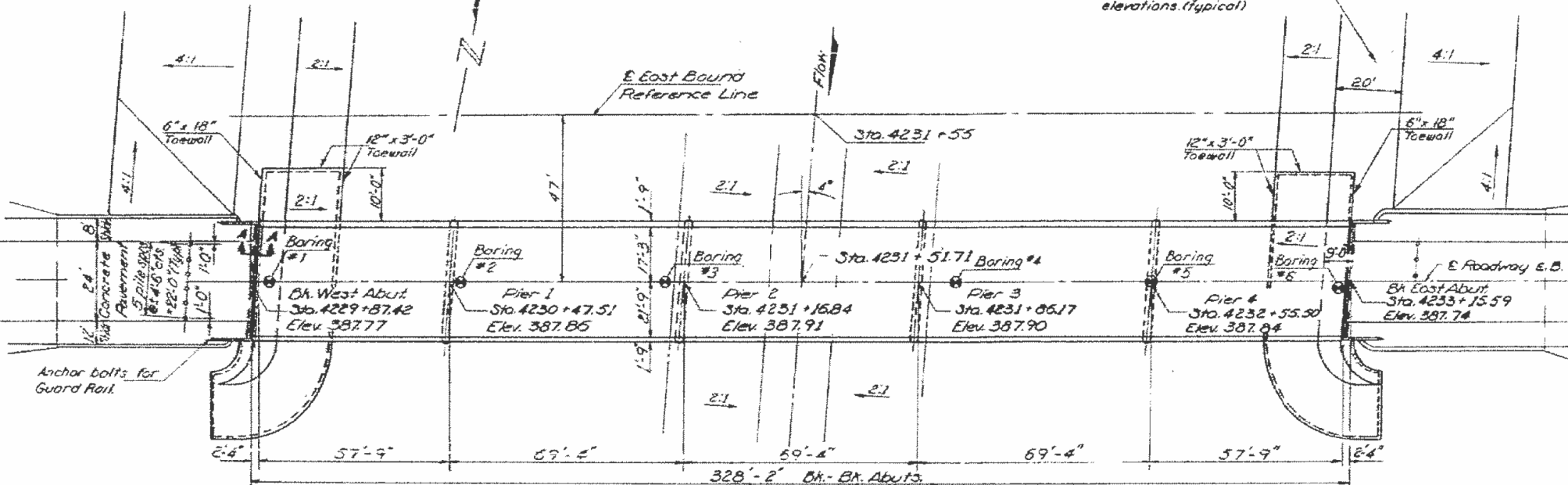
B.N.: 947-40' R/L Sta. 4226 + 70 E.B. FAI. 64  
Conc. Nail in 2" Tree Elev. 373.85  
No Existing Structure

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

PROJECT NO.	SECTION	COUNTY	SCALE	DATE	SHEET NO. / TOTAL SHEETS
96-382		WAYNE	48	6	13 SHEETS



**GENERAL NOTES**  
All reinforcement bars shall be lapped 24 diameters unless otherwise shown.  
Fasteners shall be high strength bolts. Bolts 3/4" #; open holes 1 1/2" #, unless otherwise noted.  
Calculated weight of Structural Steel = 364,280 lbs.  
Diaphragm connections may be adapted to shop welding subject to approval by the Engineer.  
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 fastening diaphragms over supports.  
Layout of slope walls may be varied in the field to suit ground conditions as directed by the Engineer.  
The contractor shall drive one (1) concrete test pile in permanent location at the West abutment; one (1) timber test pile in the vicinity of Pier 2; and one (1) timber test pile in the vicinity of Pier 4, as directed by the Engineer before ordering the remainder of piles.  
Class A Excavation for structures includes excavation for slope walls.  
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 Handrail Concrete.  
Slope wall shall be reinforced with welded wire fabric 6" x 6" mesh, weighing 58 pounds per 100 Sq. Ft.

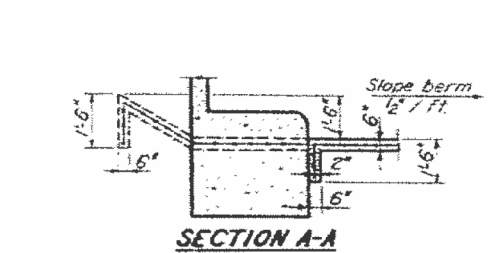


**TABLE OF MOMENTS & REACTIONS - INT. BEAMS**  
STRUCTURE SYMMETRIC ABOUT E SPAN 3

	Moments in Foot-Kips				Reactions in Kips			
	4 Span 1	Pier 1	5 Span 2	Pier 2	5 Span 3	Abut.	Pier 1	Pier 2
D.L.	282.1	539.5	218.1	518.1	228.8	85.5	88.8	85.9
L.L.	402.7	370.3	385.7	392.4	386.5	38.5	49.9	51.1
IMP	110.3	98.4	99.3	101.0	98.5	10.5	13.9	13.1
TOTAL	795.1	1008.2	703.1	1011.5	714.8	75.5	152.0	150.1

DL = Dead Load  
LL = Live Load  
IMP = Impact

Properties: 36W150 with 1 1/2" #6 Cover Plates at Piers  
I = Moment of Inertia = 9012.1 in<sup>4</sup>  
S = Section Modulus = 502.9 in<sup>3</sup>  
I of Piers = 12,643.7 in<sup>4</sup>  
S of Piers = 686.4 in<sup>3</sup>



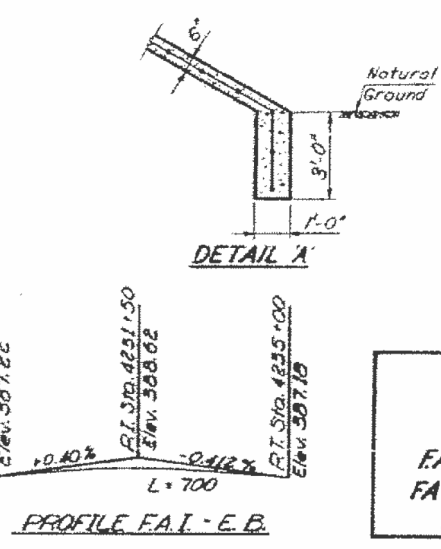
DESIGNED: J. M. Patel  
CHECKED: J. R. Chiller  
G. Ritchie  
DRAWN: J. R. Zink  
CHECKED: G. J. G.

DATE: March 19 1989  
PASSED: [Signature]  
APPROVED: [Signature]

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB.	TOTAL
Class A Excavation For Struct.	Cu. Yds.			680
Class B Excavation For Struct.	Cu. Yds.			230
Class X Concrete	Cu. Yds.	416.3	880	504.3
Class A Concrete	Cu. Yds.		395.6	395.6
Reinforcement Bars	Lbs.	106,710	22,300	129,010
Structural Steel	L.S.	0.16		0.16
Aluminum Railing	Lin. Ft.	650		650
Concrete Piles	Lin. Ft.		1117	1117
Creosoted Piles (20' to 38')	Lin. Ft.		3156	3156
Creosoted Piles (over 38')	Lin. Ft.		1056	1056
Creosoted Piles (up to 20')	Lin. Ft.		156	156
Test Piles (Concrete)	Each		1	1
Test Piles (Timber)	Each		2	2
Name Plates	Each	1		1
Slope Wall 16"	Sq. Yds.		660	660
*Protective Coat	Sq. Yds.		1670	1670
** Bridge Sect Sealant	Lump Sum		0.12	0.12

\* Includes use on inside vertical face, top, and exposed end of Abutment Wings. \*\* At Abutments only.



**APPROACH PILE DATA**  
Type - Creosoted  
No. Required - 12  
Length - 13 feet

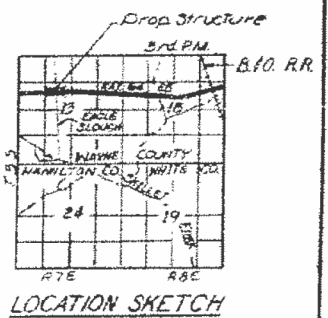
**WATERWAY INFORMATION**

Drainage Area: 429.40 Acres  
Character: Level, rolling, wooded, cultivated  
Required Opening: 150 yr Flood - 2800 Sq. Ft.  
Present Opening: None  
Proposed Opening: 2800 Sq. Ft.  
Design Frequency Discharge: 14,000 cfs  
Max Flood Surface Elevation: 388.3 Ft.

**DESIGN STRESSES**

$f_c$  = 1400 psi (Sub)  
 $f_c$  = 1200 psi (Super)  
 $f_s$  = 20,000 psi (Reinf.)  
 $f_s$  = 20,000 psi (Struct.)  
 $V_c$  = 75 psi (Footings)  
 $n$  = 10  
 $E$  = 1/4000 Non-Composite

LOADING HS20-44 E ALT.

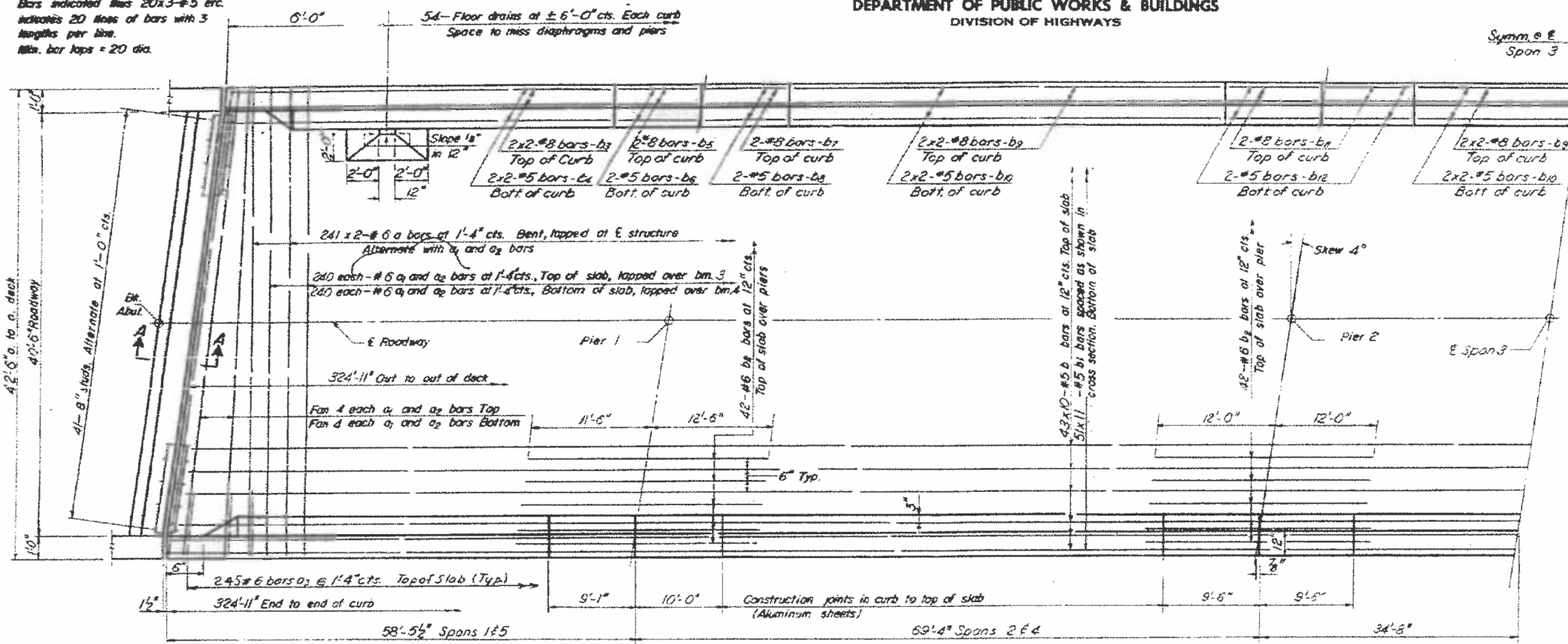


**STATION 4231+55**  
BUILT 197 BY  
STATE OF ILLINOIS  
FAI. RT. 64 - SEC. 96-38-2  
FA PROJ. I-64-4(41)  
LOADING HS20 4 ALT.

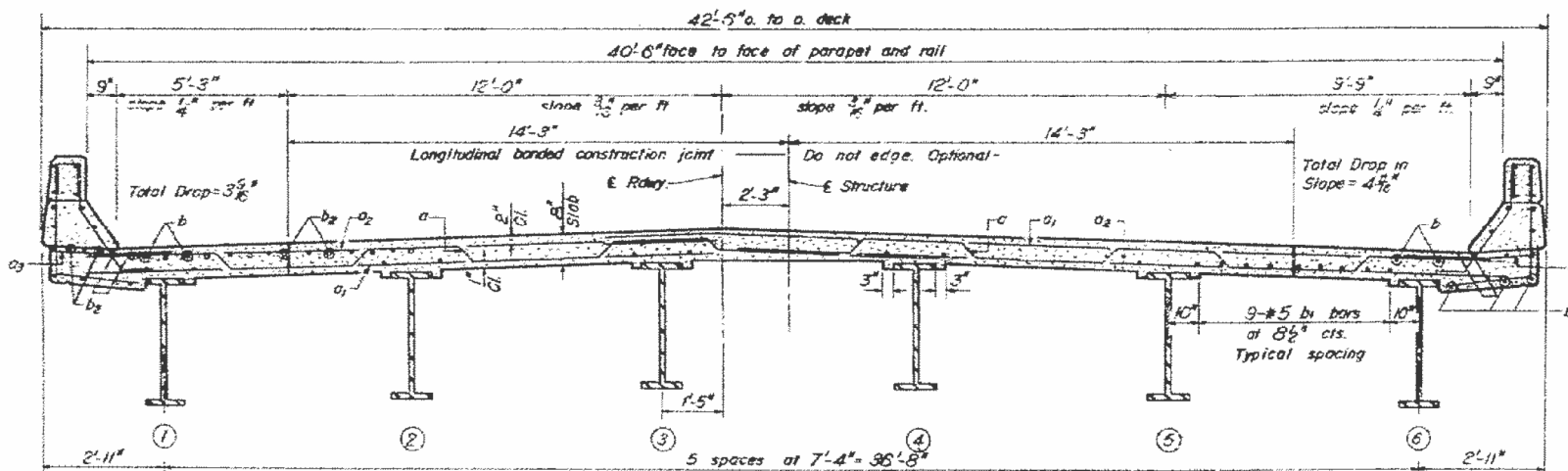
**NAME PLATE**  
Std. 213-1

**PROJECT I-64-4(41) 27**  
**EAGLE SLOUGH DRAINAGE DITCH**  
FAI. RT. 64 E.B. SECTION 96-38-2  
WAYNE COUNTY  
**STA. 4231 + 55**

Note:  
Bars indicated thus 20x3-#5 etc.  
indicates 20 lines of bars with 3  
lengths per line.  
Min. bar laps = 20 dia.



HALF PLAN



NEAR PIER

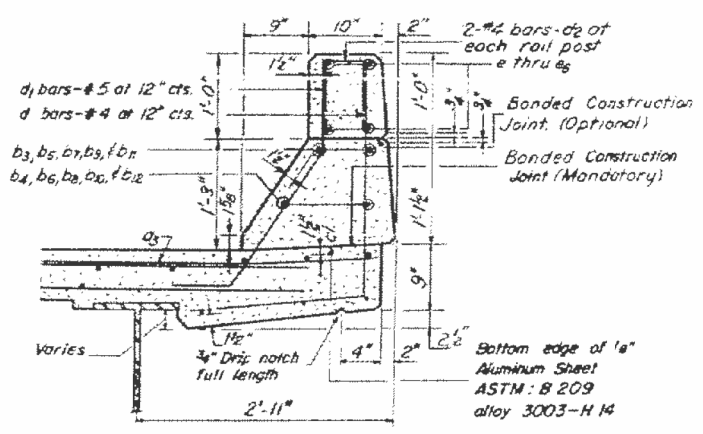
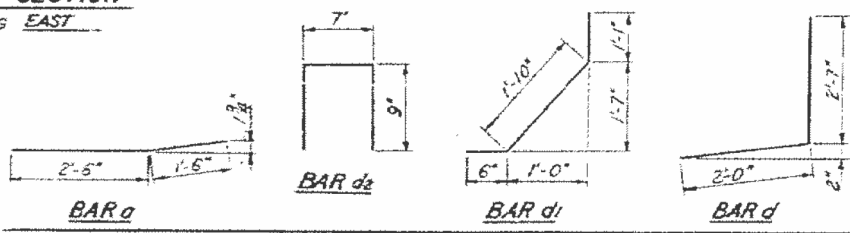
CROSS SECTION  
LOOKING EAST

NEAR MIDSPAN

DESIGNED BY J. M. Patel  
CHECKED Ben Chilton  
Glen M. Ritchie J.M.P.  
DRAWN DL  
CHECKED G.S.C.

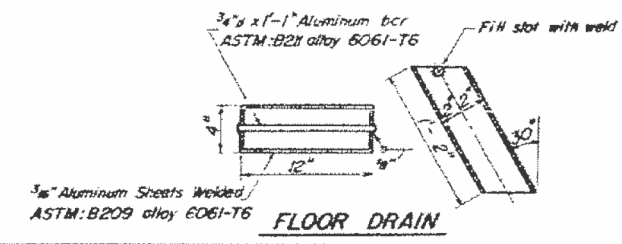
EXAMINED  
PASSED  
APPROVED

I-6-L (140) 6-1-65 Rev. 1-11-66 10-19-66  
MODIFIED

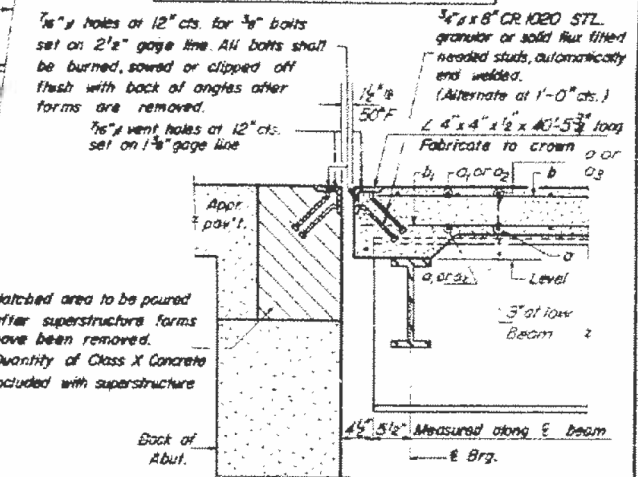


CURB SECTION

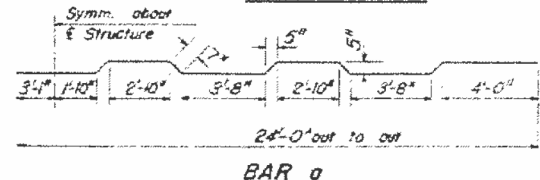
Cost of Aluminum Drains and Sheets shall be incidental to Class X Concrete



FLOOR DRAIN



SECTION A-A



BAR a

Note: For spacing of bars d, d<sub>2</sub> see sheet 6.

BILL OF MATERIAL

Bar	No	Size	Length	Shape
a	482	#8	24'-10"	
a <sub>1</sub>	496	#6	27'-5"	
a <sub>2</sub>	496	#8	20'-9"	
a <sub>3</sub>	450	#6	4'-0"	
b	430	#5	33'-5"	
b <sub>1</sub>	561	#5	30'-6"	
b <sub>2</sub>	168	#6	24'-0"	
b <sub>3</sub>	12	#8	25'-6"	
b <sub>4</sub>	16	#5	25'-3"	
b <sub>5</sub>	8	#8	8'-10"	
b <sub>6</sub>	8	#5	24'-10"	
b <sub>7</sub>	8	#8	9'-8"	
b <sub>8</sub>	24	#8	26'-0"	
b <sub>9</sub>	24	#5	25'-9"	
b <sub>10</sub>	16	#8	9'-2"	
b <sub>11</sub>	16	#5	9'-2"	
b <sub>12</sub>	16	#5	9'-2"	
d	652	#4	4'-7"	
d <sub>1</sub>	614	#5	3'-5"	
d <sub>2</sub>	140	#4	2'-7"	
Reinforcement Bars				Lbs. 105,010
Structural Steel				L.S. 0.16
Class X Concrete				Cu Yd. 3,953

\* Weight of bearing assemblies with lead plates, and anchor bolts are included as structural steel.  
Est. Wt. = 10,850 lbs.

The lengths and quantities of longitudinal reinforcement and Class X Concrete in parapets are not included in above quantities. See sheet 5

SUPERSTRUCTURE  
EAGLE SLOUGH DRAINAGE DITCH  
F.A.I. RE 64 SECTION 96-38-2  
WAYNE COUNTY  
Std. 4231+55

MODEL: Default FILE: \\MAILS2\PUBLIC\BIBENDITEC\Illinois\poc\pud\DOT\Documents\BIDD\Office\BID\ref 7\PROJECT\74841\CADD\DATA\CAD\96382\74841-LE.dwg.plt, sheet.dgn

\*CRAWFORD & WAYNE COUNTIES

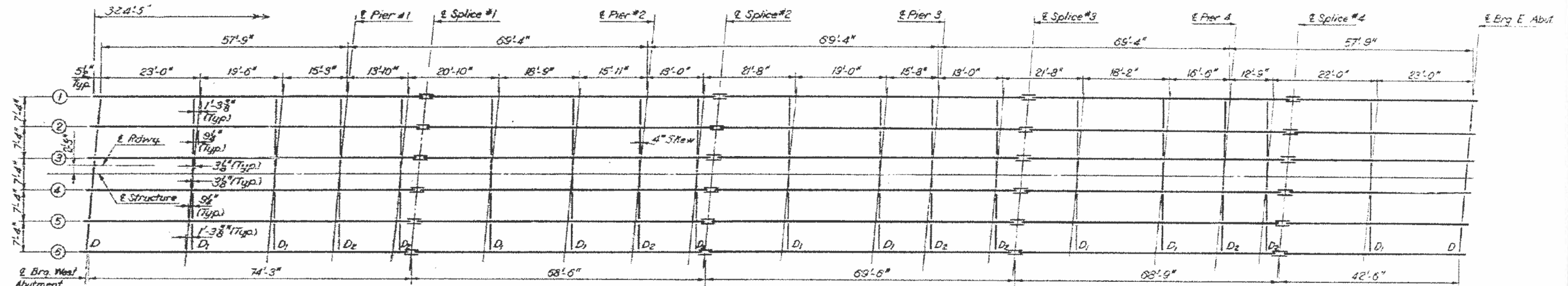
USER NAME	DESIGNED	REVISION
= stefenmk	-	-
	DRAWN	REVISION
	CHECKED	REVISION
	DATE	REVISION

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PLAN SHEETS  
S.N. 096-0045

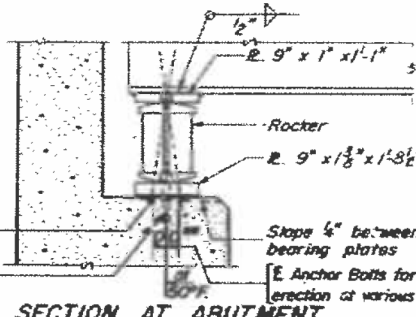
SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. D7 BRIDGE PAINTING 2018-4			18	14
				CONTRACT NO. 74841
ILLINOIS FED. AID PROJECT				



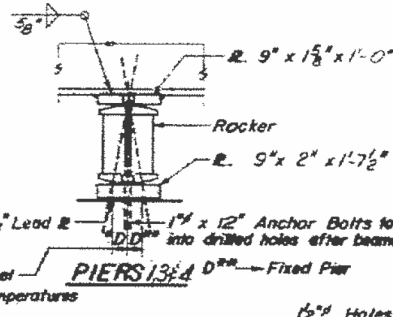
**FRAMING PLAN**

(All Beams 35WF150 with 1/2" cover R at all Piers)

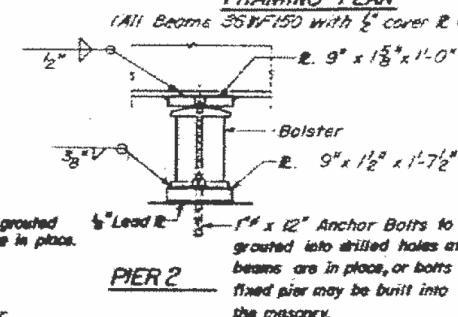


**SECTION AT ABUTMENT**

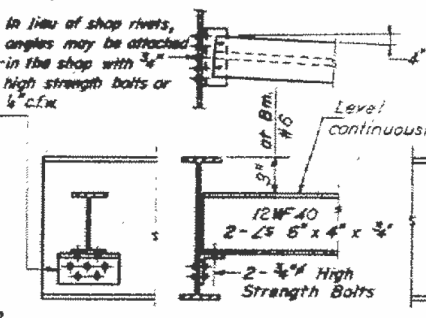
1" x 12" Anchor Bolts to be grouted into drilled holes after beams are in place.



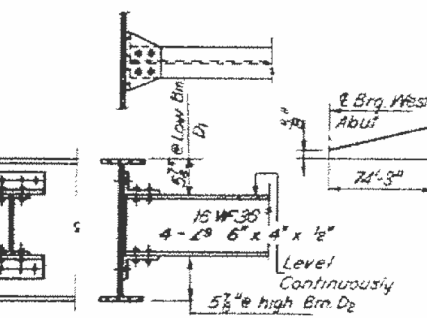
**PIER 1**



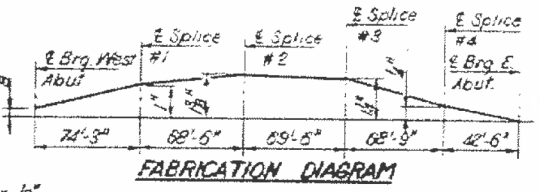
**PIER 2**



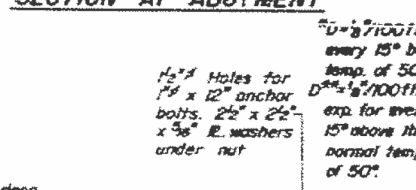
**DIAPHRAGM D**



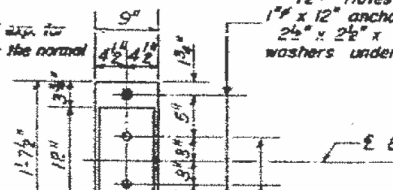
**DIAPHRAGM D, E, D2**



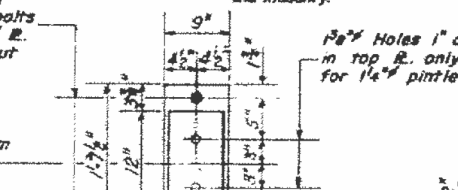
**FABRICATION DIAGRAM**



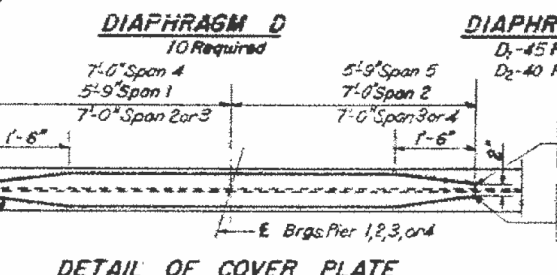
**PLAN**



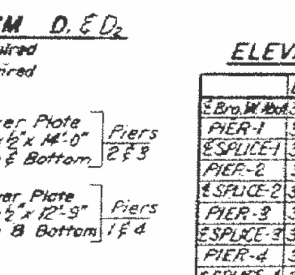
**PLAN**



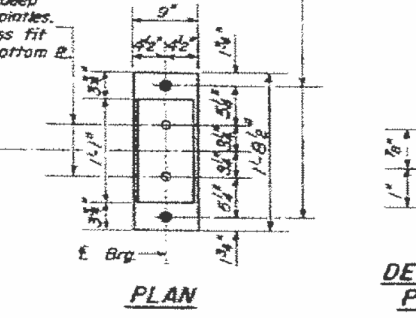
**PLAN**



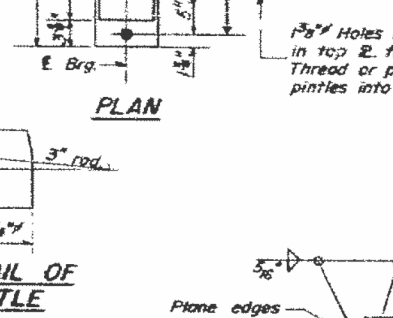
**DETAIL OF COVER PLATE**



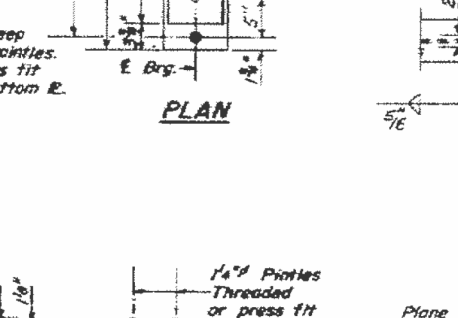
**DETAIL OF COVER PLATE**



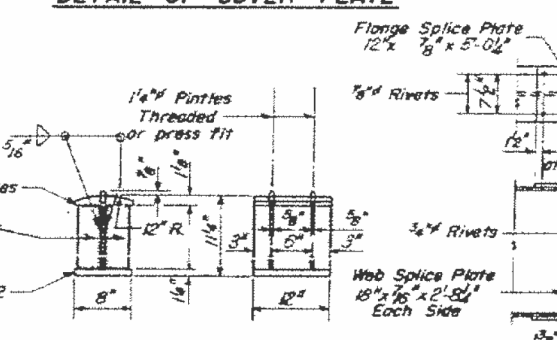
**DETAIL OF PINTLE**



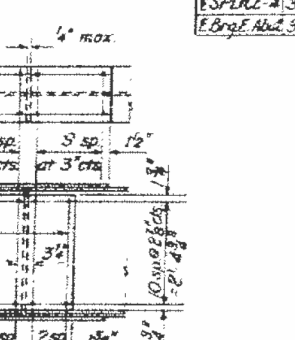
**DETAIL OF PINTLE**



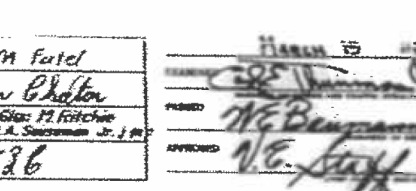
**DETAIL OF PINTLE**



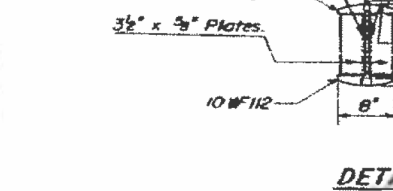
**DETAIL OF BOLSTER AT PIER 2**



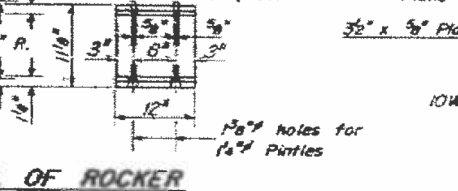
**DETAIL OF BOLSTER AT PIER 2**



**DETAIL OF ROCKER AT ABUT ENDS L3&4**



**DETAIL OF ROCKER AT ABUT ENDS L3&4**



**DETAIL OF ROCKER AT ABUT ENDS L3&4**

**ELEVATION TOP OF WF (for fabrication only)**

	Beam-1	Beam-2	Beam-3	Beam-4	Beam-5
E Bro West	386.83	386.97	387.09	387.01	386.89
PIER-1	386.87	387.01	387.13	387.05	386.93
ESPLICE-1	386.88	387.02	387.14	387.06	386.94
PIER-2	386.90	387.04	387.16	387.08	386.96
ESPLICE-2	386.91	387.05	387.17	387.09	386.97
PIER-3	386.90	387.04	387.16	387.08	386.96
ESPLICE-3	386.90	387.04	387.16	387.08	386.96
PIER-4	386.84	386.98	387.10	387.02	386.90
ESPLICE-4	386.80	386.96	387.08	387.00	386.88
E Bro E Abut	386.80	386.94	387.06	386.98	386.86

**STRUCTURAL STEEL**  
**EAGLE SLOUGH DRAINAGE DITCH**  
**FAI RY 64 E.B. SECTION 96-3B-2**  
**WAYNE COUNTY**  
**Sta. 4231+55**

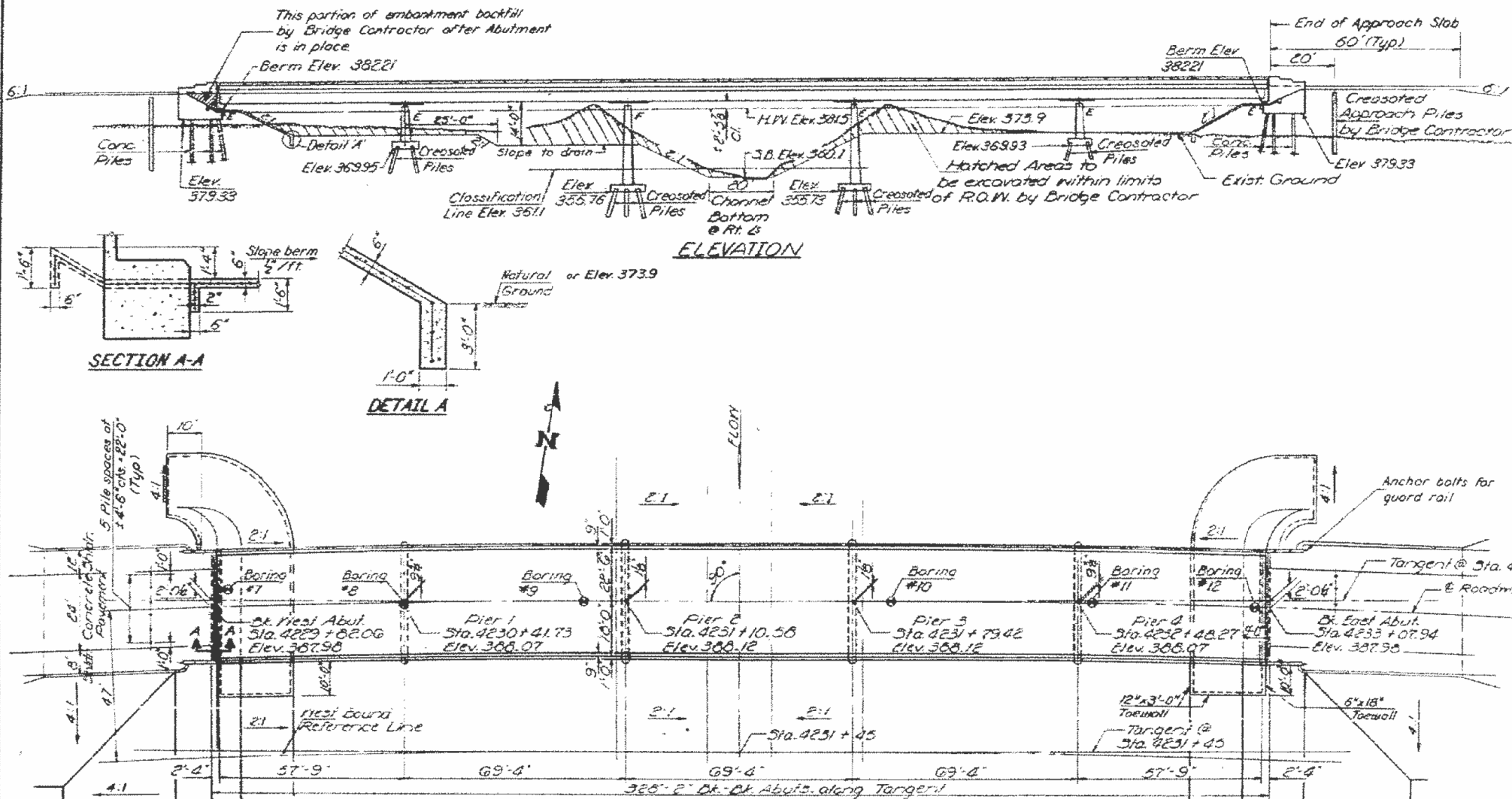
DESIGNED: J.M. Fotel  
CHECKED: Tom Phelan  
P.E. Beamer  
DRAWN: G.A. Fitchner  
W.A. Sauerbaum Jr.  
DATE: 11-1-62

I-2-C 7-2-62 Rev. 11-9-62 Rev. 8-16-63 Rev. 12-10-63

B.M. #47 Rt. Sta. 4226+70 E.B.F.A.I. 64  
 Conc. Nail in 24" Tree Elev. 373.85  
 No exist. structure

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

PROJECT NO.	SECTION	COUNTY	SHEET NO.
96-38-2	WAYNE	48	21
SHEET NO. 1			15 SHEETS



**GENERAL NOTES**

All reinforcement bars shall be lapped 24 diameters unless otherwise shown.  
 Fasteners shall be high strength bolts. Bolts 3/4" #, open holes 1/8" unless otherwise noted.  
 Calculated weight of Structural Steel = 364,300 lbs.  
 Diaphragm connections may be adapted to shop welding subject to approval by the Engineer.  
 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 fastening diaphragms over supports.  
 Layout of slope walls may be varied in the field to suit ground conditions as directed by the Engineer.  
 The contractor shall drive one (1) concrete test pile in permanent location at the East abutment; one (1) timber test pile in the vicinity of Pier 1; and one (1) timber test pile in the vicinity of Pier 3 as directed by the Engineer before ordering the remainder of piles.  
 Class M Excavation for structures includes excavation for slope work.  
 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.  
 Slope wall shall be reinforced with welded wire fabric 6"x6" mesh, weighing 58 pounds per 100 Sq. Ft.

**TABLE OF MOMENTS & REACTIONS - INT BEAMS**  
 STRUCTURE SYMMETRIC ABOUT E. SPAN 3

Moments in Foot-Kips	Reactions in Kips		
	Abut.	Pier 1	Pier 2
DL	282.1	539.5	218.1
LL	402.7	370.3	382.7
IMP.	110.5	98.4	99.3
TOTAL	795.3	1008.2	700.1

DL = Dead Load  
 LL = Live Load  
 IMP = Impact

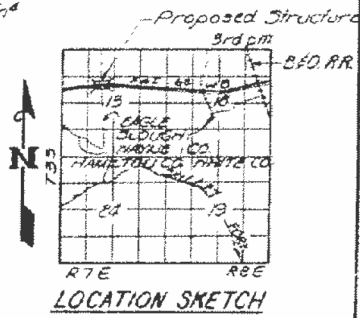
**CURVE DATA**  
 H. D. REFERENCE LINE  
 Δ = 23°-55'-43"  
 D = 0°-58'-00"  
 R = 6611.05'  
 L = 2761.00'  
 T = 1400.92'  
 E = 146.80'  
 S.C. = 0.084 1/4' Affected from Sta. 4227+47.00 to Sta. 4229+47.00  
 Sta. 4227+47.00 to Sta. 4229+47.00  
 Sta. 4227+75.46 to Sta. 4225+75.46

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER.	SUB.	TOTAL
Class A Excavation For Struct	Cu. Yds.			680
Class B Excavation For Struct	Cu. Yds.			230
Class X Concrete	Cu. Yds.	421	91.6	512.6
Class A Concrete	Cu. Yds.		398.2	398.2
Reinforcement Bars	Lbs.	106,260	240,040	346,300
Structural Steel	Lump Sum	0.16		0.16
Aluminum Paving	Lin. Ft.	650		650
Concrete Piles	Lin. Ft.		1093	1093
Creosoted Piles (20' to 38')	Lin. Ft.		4068	4068
Creosoted Piles (up to 20')	Lin. Ft.		156	156
Test Piles (Concrete)	Each		1	1
Test Piles (Timber)	Each		2	2
Name Plates	Each		1	1
Slope Wall (6")	Sq. Yds.		660	660
# Protective Coat	Sq. Yds.		1670	1670
# Bridge Seal Sealant	Lump Sum		0.12	0.12

WATERWAY INFORMATION  
 Drainage Area 429,440 Acres  
 Character Level, rolling, wooded, cultivated  
 Required Opening (50 Yr. Flood) 2800 Sq. Ft.  
 Present Opening None  
 Proposed Opening 2800 Sq. Ft.  
 Design Frequency Discharge 14,000 CFS  
 Max. Flood Surface Elev. 388.3 Ft.  
 \*Based on 40% of design discharge  
 Other discharge locations:  
 Skillet Fork Lagoon 13%  
 Skillet Fork Ditch 41%  
 Branch Skillet Fork 0%

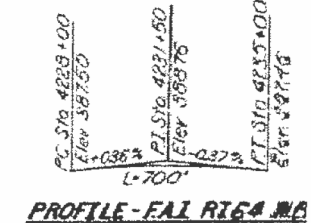
STATION 4231+45  
 BUILT 197 BY  
 STATE OF ILLINOIS  
 FAI RT. 64-SEC. 96-38-2  
 FA PROJ. I-64-4(1)  
 LOADING HS20+ALT.



DESIGNED: J. D. Pater  
 CHECKED: J. A. Schaller  
 G. Ritchie  
 DRAWN: J. P. Zink  
 APPROVED: J. E. Staff

**DESIGN STRESSES**  
 Fc = 1200 psi. (Super.)  
 Fc = 4000 psi. (Sub.)  
 Fs = 20,000 psi. (Reinf.)  
 Fs = 20,000 psi. (Struct.)  
 Fc = 75 psi. (Footings)  
 n = 10  
 Allow. & 4/1000 Non-Composite  
 LOADING HS20-44 & ALT.

**APPROACH PILE DATA**  
 Type - Creosoted  
 No. Required - 12  
 Length - 13 feet



PROJECT I-64-4(1) 97  
 EAGLE SLOUGH DRAINAGE DITCH  
 FAI RT. 64 W.B. SEC. 96-38-2  
 WAYNE COUNTY  
 STA. 4231+45

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING PLAN SHEETS  
 S.N. 096-0046

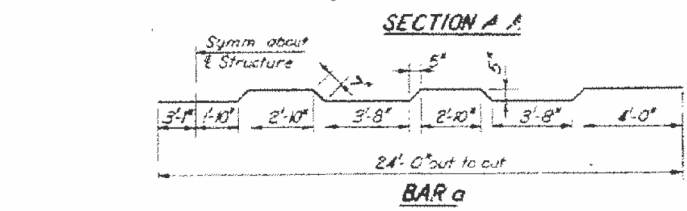
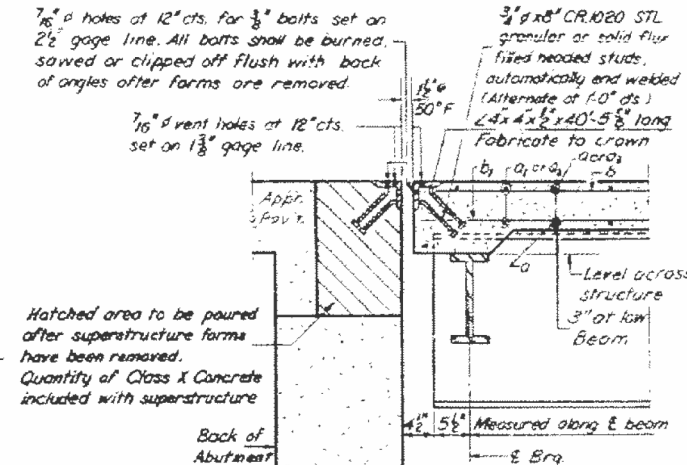
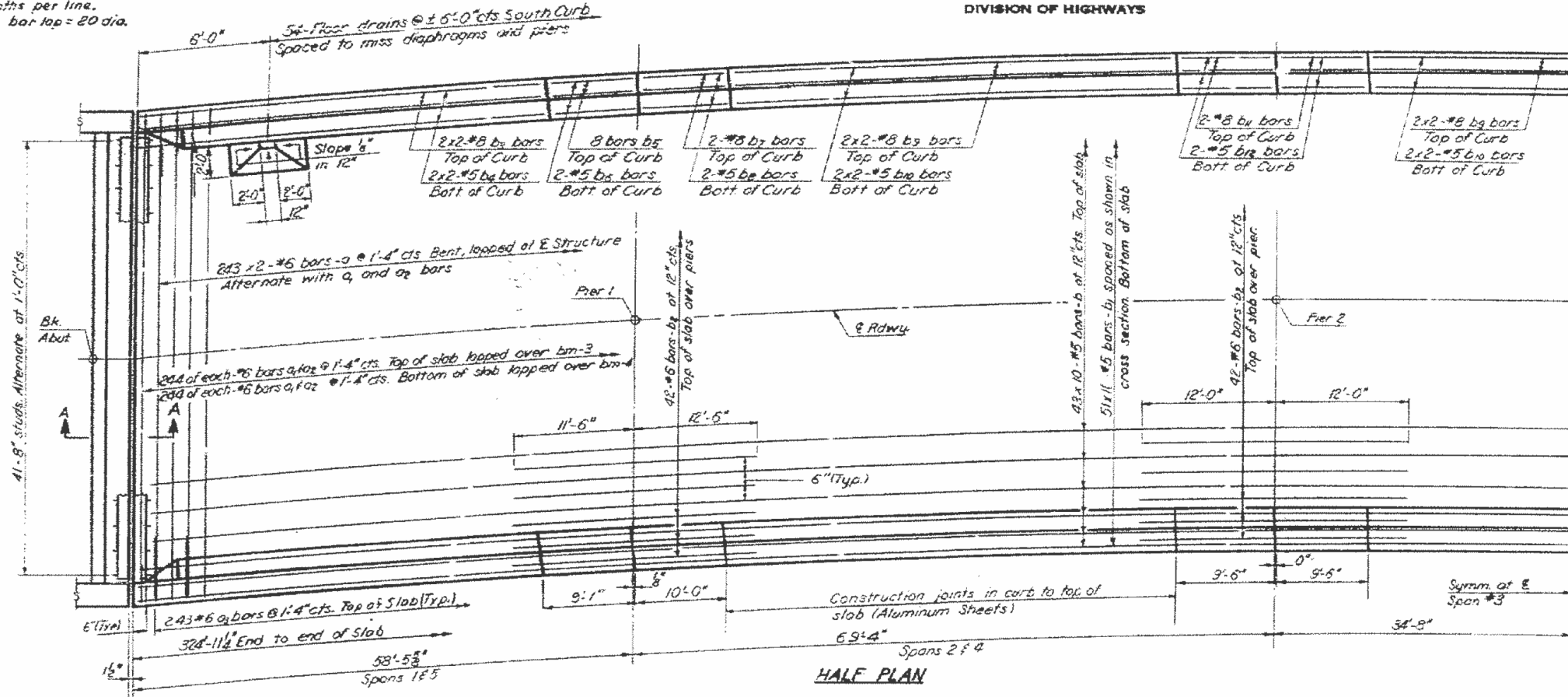
USER NAME = stefenmk	DESIGNED -	REVISIONS -
PLOT SCALE = 100,000' / in.	DRAWN -	REVISIONS -
PLOT DATE = 1/31/2018	CHECKED -	REVISIONS -
	DATE -	REVISIONS -



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

PROJECT NO.	SECTION	SHEET NO.	TOTAL SHEETS	SHEET NO.
96-38-2	WAYNE	46	22	15 SHEETS

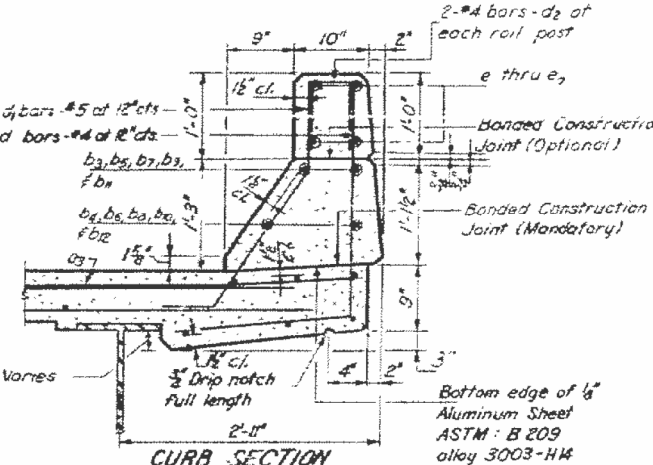
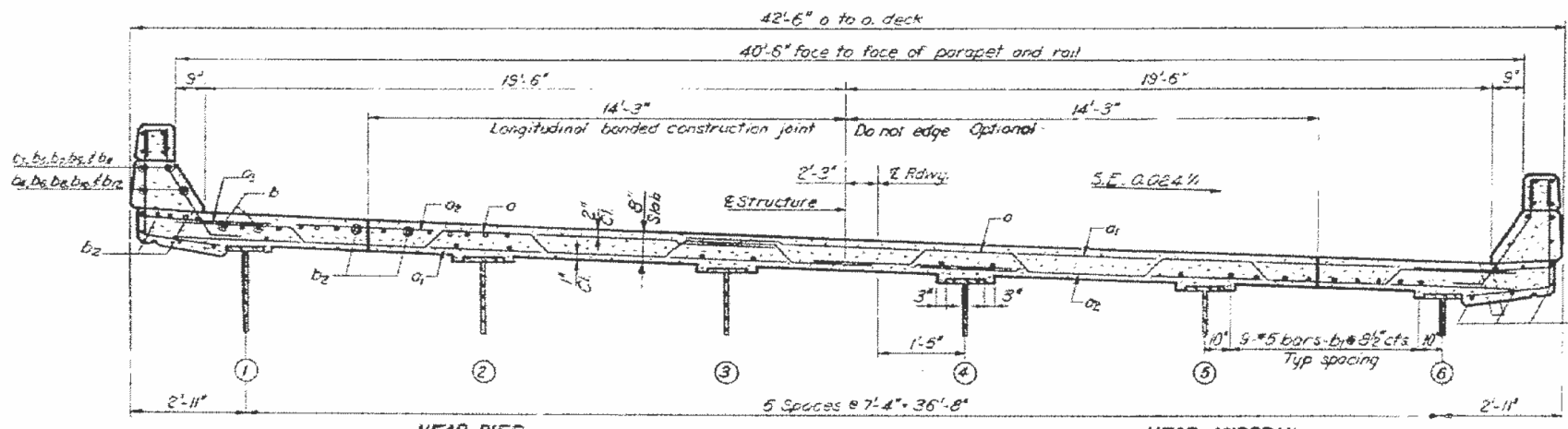
**Notes:**  
Bars indicated thus 20x3-#5 etc.  
indicates 20 lines of bars with 3  
lengths per line.  
Min. bar lap = 20 dia.



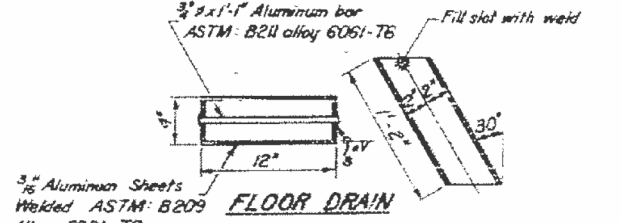
**BILL OF MATERIAL**

Bar	No	Size	Length	Shape
a	436	#5	24'-10"	---
a <sub>1</sub>	438	#5	27'-9"	---
a <sub>2</sub>	488	#5	20'-3"	---
a <sub>3</sub>	486	#6	4'-0"	---
b	430	#5	33'-6"	---
b <sub>1</sub>	561	#5	30'-6"	---
b <sub>2</sub>	168	#6	24'-0"	---
b <sub>3</sub>	16	#8	25'-6"	---
b <sub>4</sub>	16	#5	25'-2"	---
b <sub>5</sub>	8	#8	8'-10"	---
b <sub>6</sub>	8	#5	8'-10"	---
b <sub>7</sub>	8	#8	9'-8"	---
b <sub>8</sub>	2	#5	9'-8"	---
b <sub>9</sub>	24	#8	26'-0"	---
b <sub>10</sub>	24	#5	23'-3"	---
b <sub>11</sub>	16	#8	5'-2"	---
b <sub>12</sub>	16	#5	9'-2"	---
c	652	#4	4'-7"	---
d <sub>1</sub>	644	#5	3'-5"	---
d <sub>2</sub>	140	#4	2'-7"	---
Reinforcement Bars		Lbs	100,560	
Structural Steel		Lump Sum	0.16	
Class X Concrete		Cu Yds	400.0	

NOTE: For spacing of bars d, d<sub>1</sub>, d<sub>2</sub>, see sheet #6.



Cost of Aluminum Drains and Sheets shall be incidental to Class X Concrete

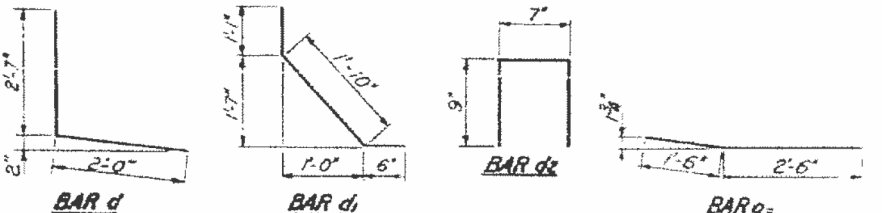


\* Weight of bearing assemblies with lead plates, and anchor bolts are included as structural steel. Est. Wt. = 10,850

The lengths and quantities of longitudinal reinforcement and Class X Concrete in parapets are not included in above quantities. See sheet # 6

**SUPERSTRUCTURE**  
**EAGLE SLOUGH DRAINAGE DITCH**  
**F.A. I. RT. 64 SECTION 96-38-2**  
**WAYNE COUNTY**  
**Sta. 4231+45 W.B.L.**

DESIGNED - J.M. Patel	DATE - MARCH 13 1968
CHECKED - Stan Lubliner	APPROVED - J.E. Keefe
DRAWN - Geni M. Ritchie	
CHECKED - SSB	



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PLAN SHEETS  
S.N. 096-0046

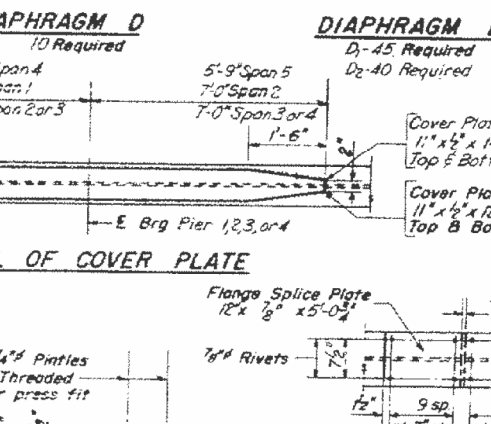
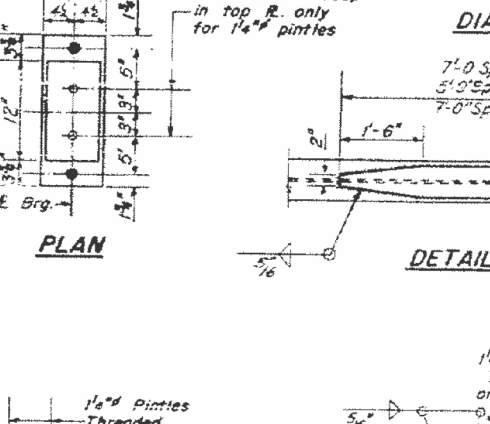
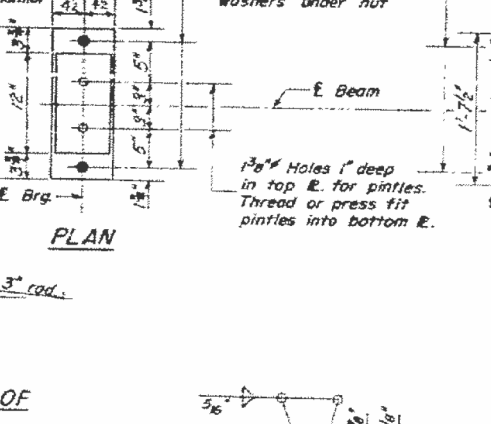
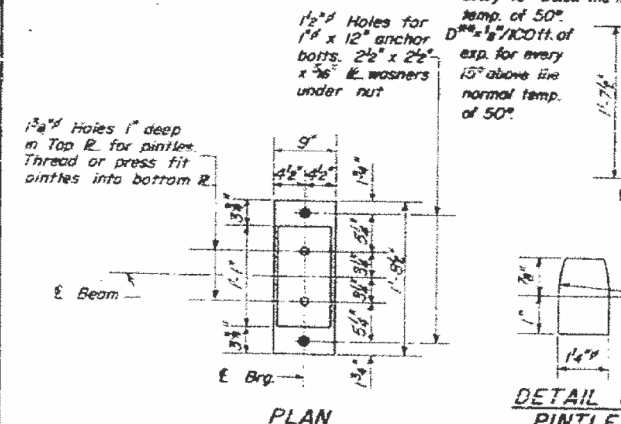
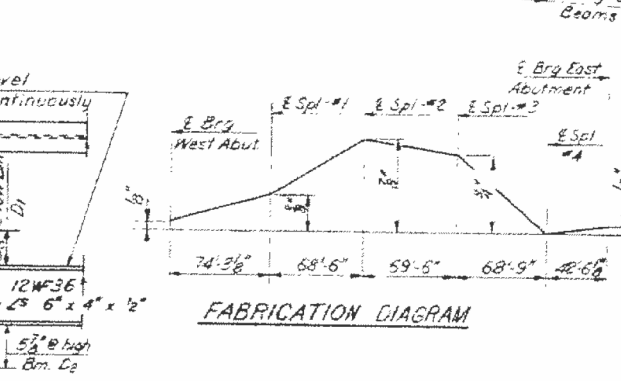
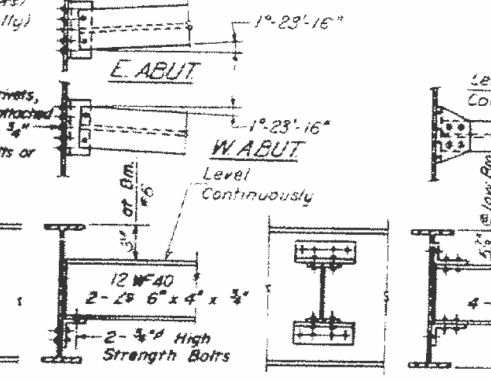
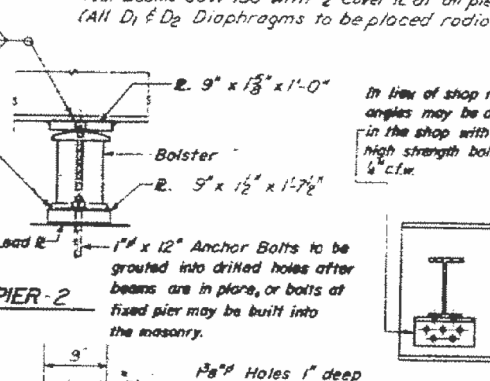
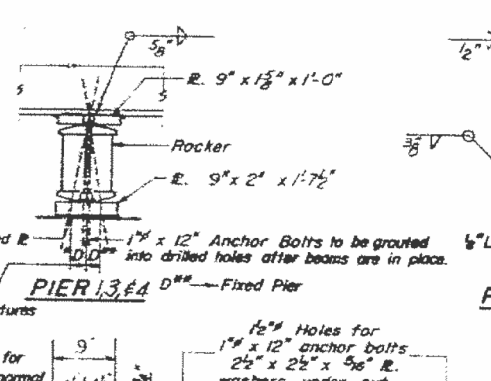
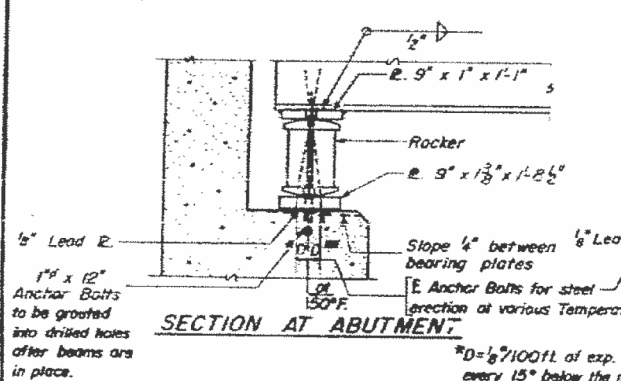
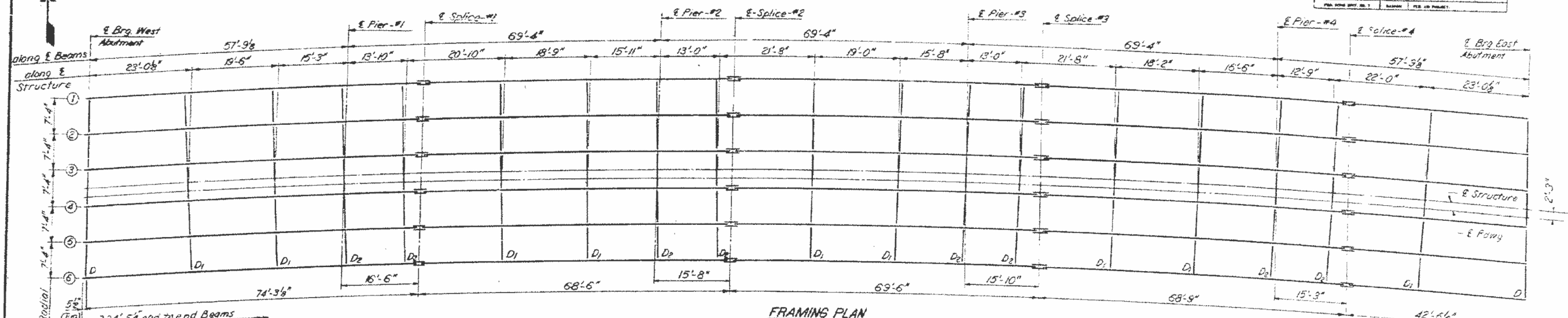
USER NAME = steffenk	DESIGNED -	REVISED -
PLOT SCALE = 100,000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/31/2018	CHECKED -	REVISED -
	DATE -	REVISED -

SCALE:	SHEET 2 OF 3 SHEETS	STA.	TO STA.
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*CRAWFORD & WAYNE COUNTIES				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. D7 BRIDGE PAINTING 2018-4			18	17
			CONTRACT NO. 74841	
ILLINOIS FED. AID PROJECT				

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

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
96-38-2	WAYNE	46	23	15

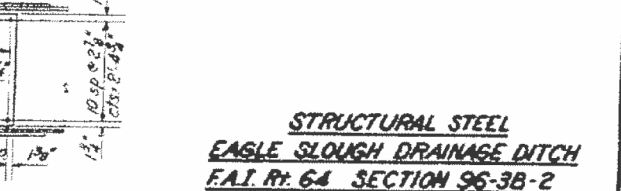
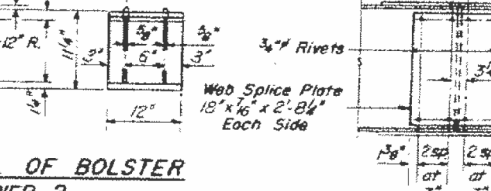
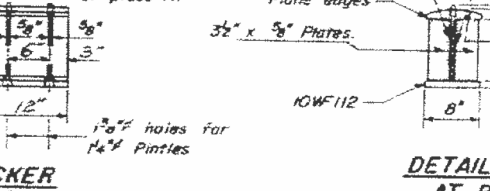
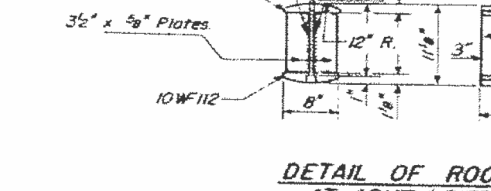


ELEVATION TOP OF WF (For Fabrication Only)

	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6
West Abut	387.83	387.68	387.48	387.31	387.15	386.95
Pier #1	387.85	387.68	387.50	387.33	387.15	386.97
Splice #1	387.85	387.68	387.50	387.33	387.15	386.97
Pier #2	387.88	387.71	387.53	387.36	387.18	387.00
Splice #2	387.89	387.72	387.54	387.37	387.19	387.01
Pier #3	387.88	387.71	387.53	387.36	387.18	387.00
Splice #3	387.88	387.71	387.53	387.36	387.18	387.00
Pier #4	387.83	387.66	387.48	387.31	387.15	386.95
Splice #4	387.82	387.65	387.47	387.30	387.12	386.94
East Abut	387.83	387.66	387.48	387.31	387.15	386.95

DESIGNED J. M. Patel  
CHECKED G. S. C.  
DATE 7-2-62

APPROVED V. E. Stoff  
DATE MARCH 19 1968



I-2-C 7-2-62 Rev 11-9-62 Rev. 8-16-63 Rev. 12-10-63

DETAIL OF ROCKER AT ABUTMENT & PIERS 1, 3, & 4

DETAIL OF BOLSTER AT PIER-2

DETAIL OF SPLICE

DETAIL OF SPLICE

STRUCTURAL STEEL  
EAGLE SLOUGH DRAINAGE DITCH  
F.A.I. R. 64 SECTION 96-38-2  
WAYNE COUNTY  
STA. 4231 +45 W.B.L.