

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D4 BRIDGE PAINTING 2016	PEORIA/KNOX	22	1
ILLINOIS CONTRACT NO. 68C82				

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

VARIOUS ROUTES  
SECTION D4 BRIDGE PAINTING 2016  
PROJECT N/A  
TYPE of IMPROVEMENT BRIDGE PAINTING  
PEORIA AND KNOX COUNTIES

C-94-104-15

D-94-064-15

FOR INDEX OF SHEETS, SEE SHEET NO. 1

2 & 3 SUMMARY OF QUANTITIES

4. COMMITMENTS AND GENERAL NOTES

5 - 22 PLAN SHEETS

HIGHWAY STANDARDS

701101-05

701106-02

701400-08

701402-11

701901-05

AADT

- S.N. 072-0032, 13,800 TRUCKS 4100
- S.N. 072-0069, 16,800 TRUCKS 4025
- S.N. 072-0070, 22,500 TRUCKS 4900
- S.N. 072-0071, SAME AS ABOVE
- S.N. 048-0053, 13,800 TRUCKS 4100
- S.N. 048-0058, 17,300 TRUCKS 4025
- S.N. 048-0059, 16,300 TRUCKS 4,575
- S.N. 048-0060, 13,100 TRUCKS 4700
- S.N. 048-0062, SAME AS ABOVE

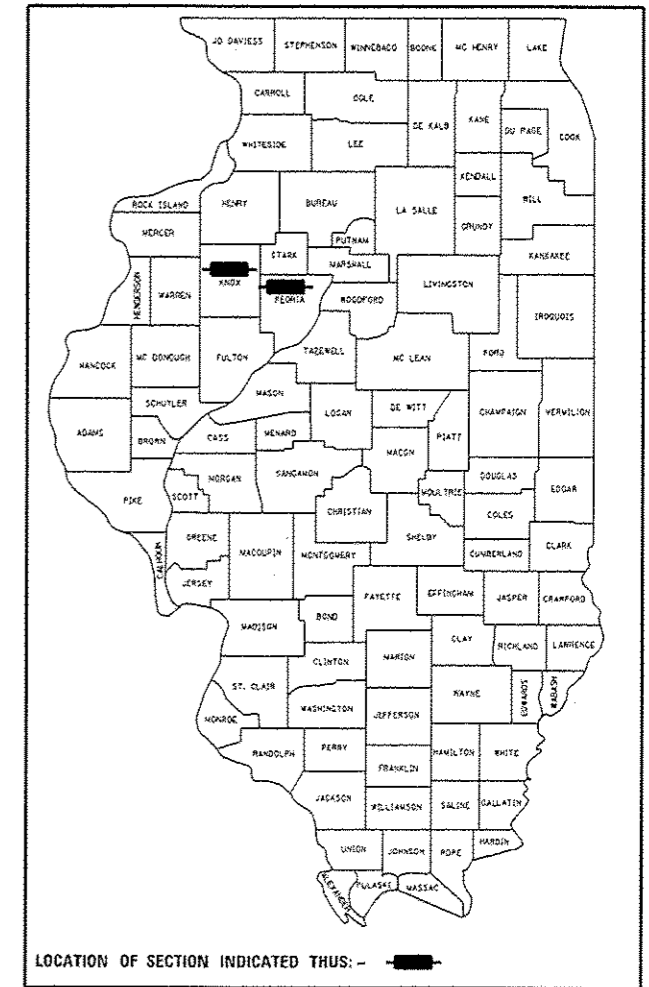
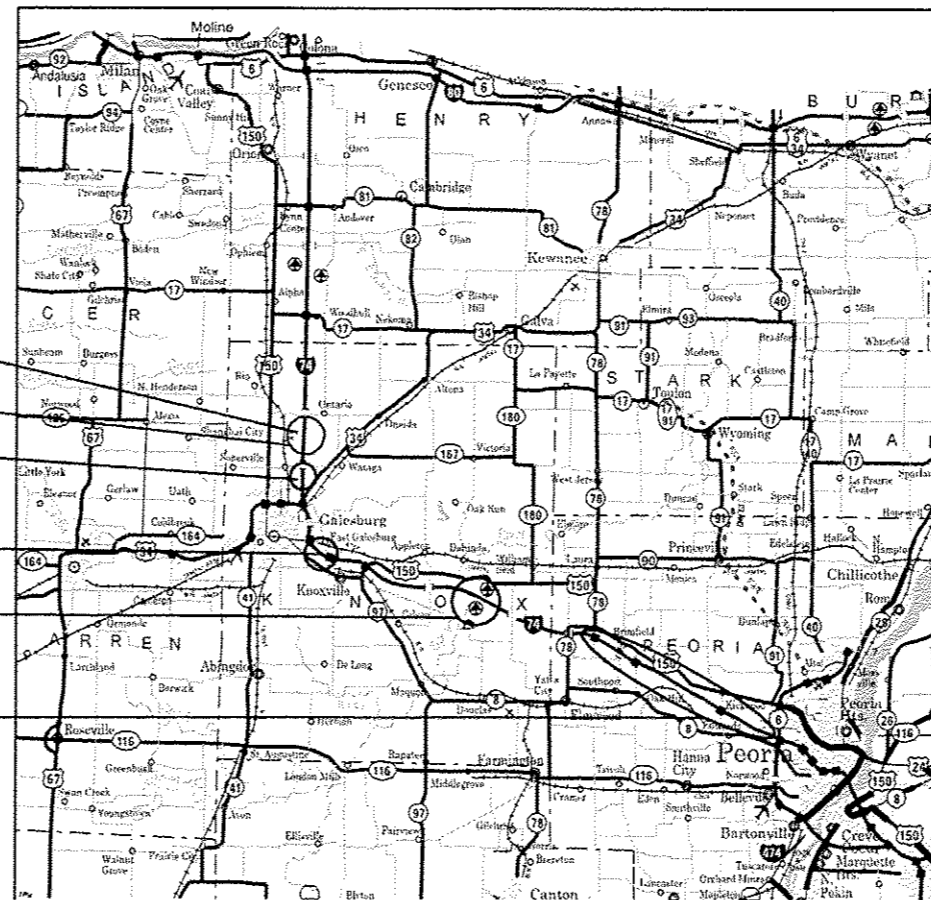
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

PROJECT ENGINEER MIKE LEWIS (309) 671-3454  
PROJECT MANAGER TOM INGLIS (309) 671-3450

CATALOG NO. 035318-00D

CONTRACT NO. 68C82

- location 9 S.N. 048-0062
- location 8 S.N. 048-0060
- location 1 S.N. 048-0059
- location 2 S.N. 048-0058
- location 3 S.N. 048-0053
- location 4 S.N. 072-0071
- location 5 S.N. 072-0070
- location 6 S.N. 072-0069
- location 7 S.N. 072-0032



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED February 4, 2016

James A. James  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 18, 2016  
Maureen M. Addis PE, PE  
ENGINEER OF DESIGN AND ENVIRONMENT

March 18, 2016  
Omer Osman PE, PE  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				PEORIA	KNOX
				100% STATE	100% STATE
				0014	0014
				RURAL	RURAL
50606701	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 1	L SUM	1		1
50606702	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 2	L SUM	1		1
50606703	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 3	L SUM	1		1
50606704	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 4	L SUM	1	1	
50606705	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 5	L SUM	1	1	
50606706	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 6	L SUM	1	1	
50606707	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 7	L SUM	1	1	
50606708	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 8	L SUM	1		1
50606709	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 9	L SUM	1		1
67100100	MOBILIZATION	L SUM	1	0.45	0.55
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	9	4	5
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

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2016.dgn		DRAWN -	REVISED -
PLOT SCALE * 100.0000 / in		CHECKED -	REVISED -
PLOT DATE * 2/4/2016		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D4 BRIDGE PAINTING 2016	PEORIA/KNOX	22	2
			CONTRACT NO. 68C82	
ILLINOIS FED. AID PROJECT				

14



**COMMITMENTS**

No commitments have been made for this project.

**GENERAL NOTES**

Cleaning and Painting shall be as specified in the Special Provisions for "Cleaning and Painting Existing Structural Steel". All beams, brackets and all other structural steel shall be cleaned per Near White Blast Cleaning SSPC-SP10 according to the following schedule:

Bridge locations 1, and 3-9. All structural steel, except that previously metallized within 5 ft either side of expansion joints under an earlier contract, shall be cleaned and painted.

Knox street bridge (S.N. 048-0058, location #2) All structural steel previously metalized shall not be cleaned and painted. All remaining structural steel shall be cleaned and painted. (see framing plan for more details).

Bridge Locations 1 -9. All fascia beams shall be Painted Blue ( Munsell No.10B 3/6)

All underside shall be Painted Light Grey( Munsell No. 5B 7/1)

Recycled steel grit abrasive equipment shall be used for all of these structures and locations. Recycled equipment shall have a minimum of two recycled grit nozzle men operating simultaneously with vacuum cleaning operations. The equipment's blast pot shall be capable of being filled without interruption of the blasting or vacuuming operations.

All Top Coat and Sealer shall be from the approved list from table (1) of the Special Provisions.

Location 7 existing protective shield will require temporary removal and reinstallation after the cleaning and painting work is completed. Care shall be taken during removal and reinstallation of the protective shield, and any damage caused is to be repaired at the contractors expense, with no additional cost to the department. The cost shall be included in the Lump Sum Cost of Cleaning and Painting Structural Steel, Location 7.

AIR MONITORS -2 air monitors per location.

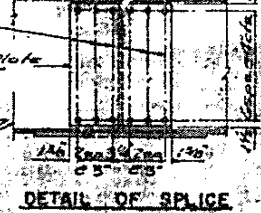
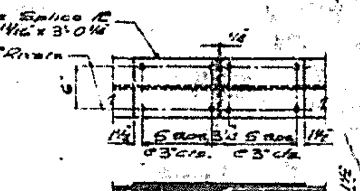
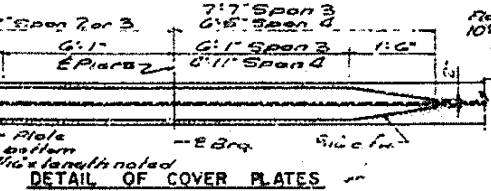
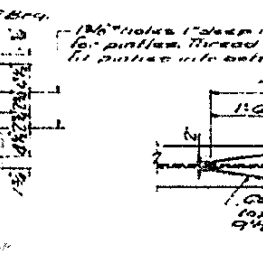
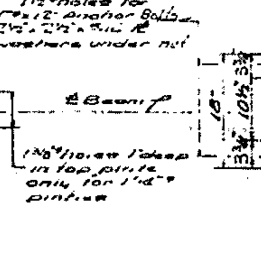
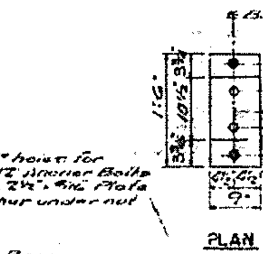
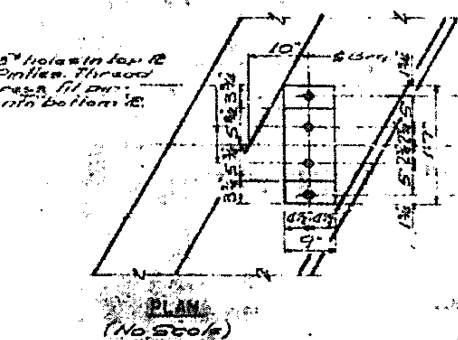
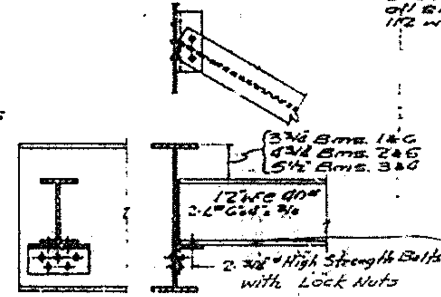
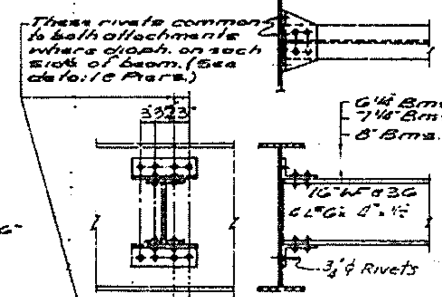
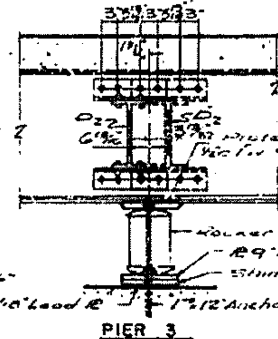
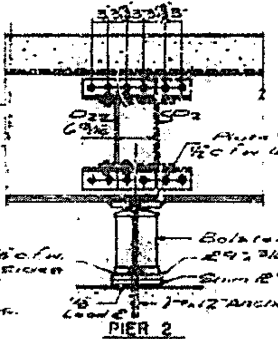
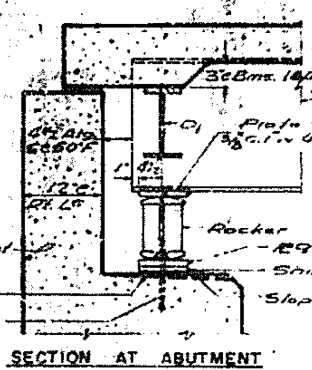
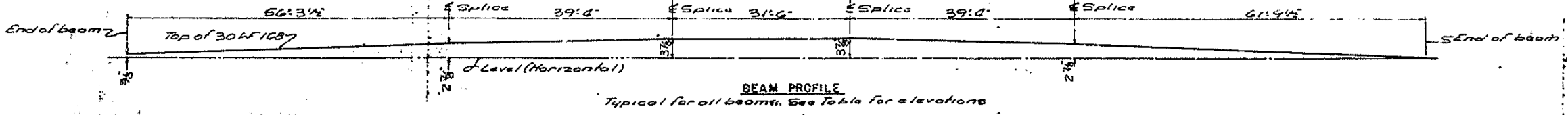
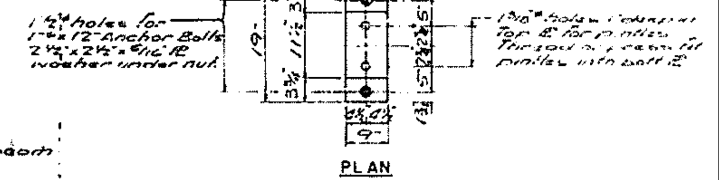
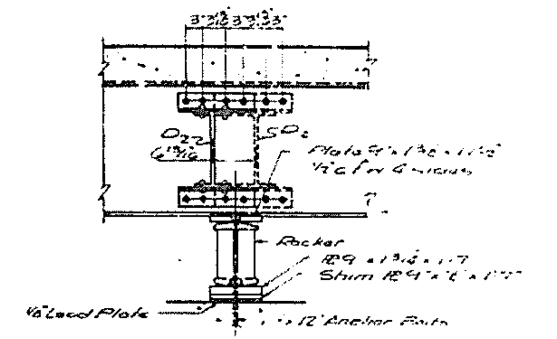
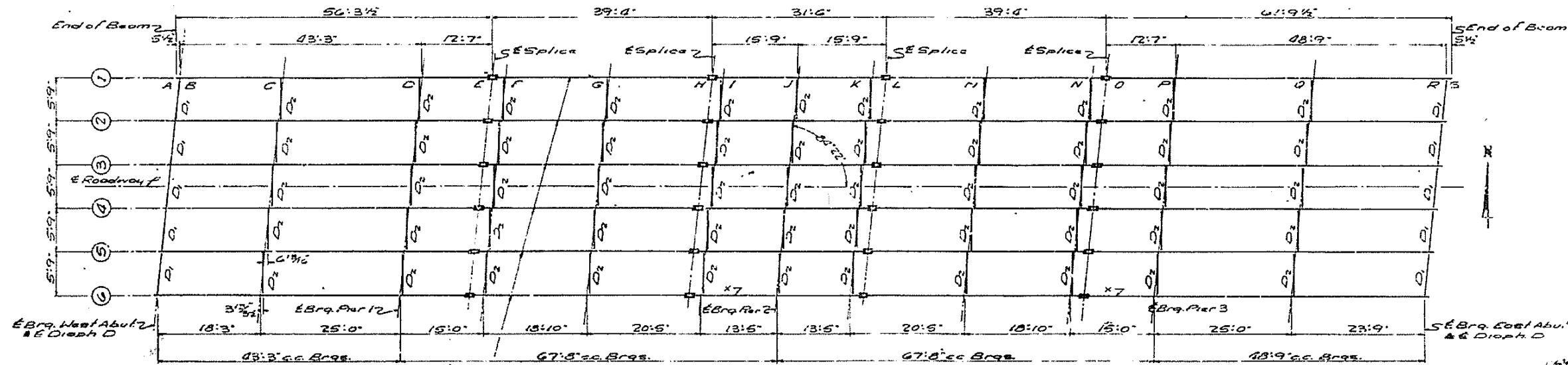
QP1 & QP 2 required for this Project.

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	PLOT DATE = 2/4/2016	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO STA.



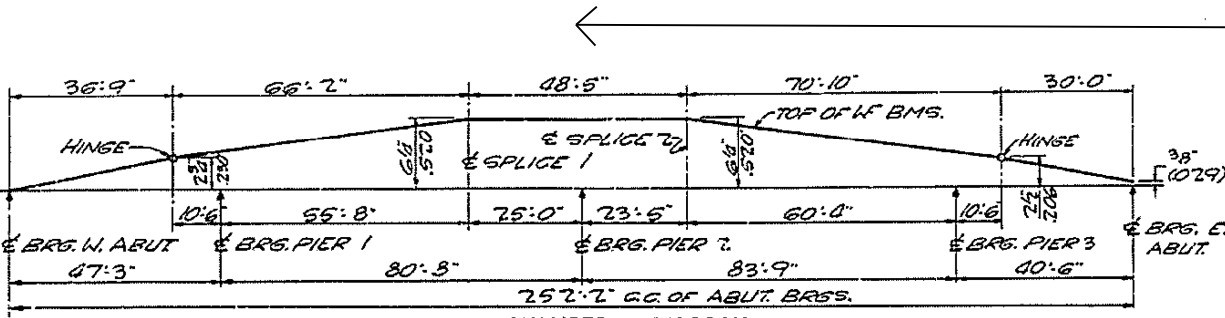
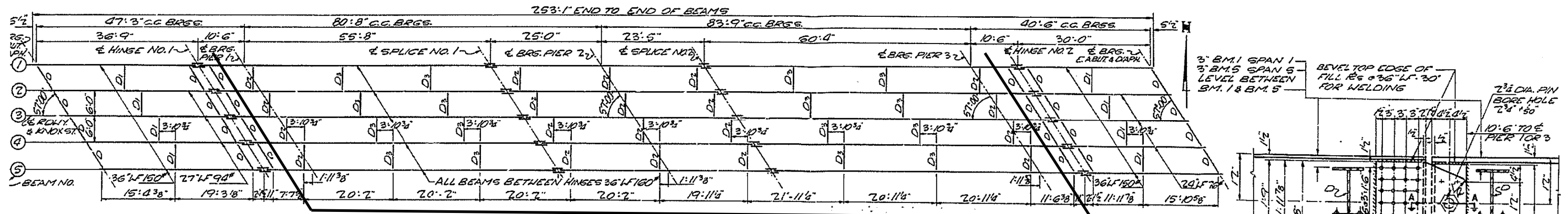


LOCATION 1 S.N. 048-0059





LOCATION 2 S.N. 048-0058



Area to be cleaned and painted.

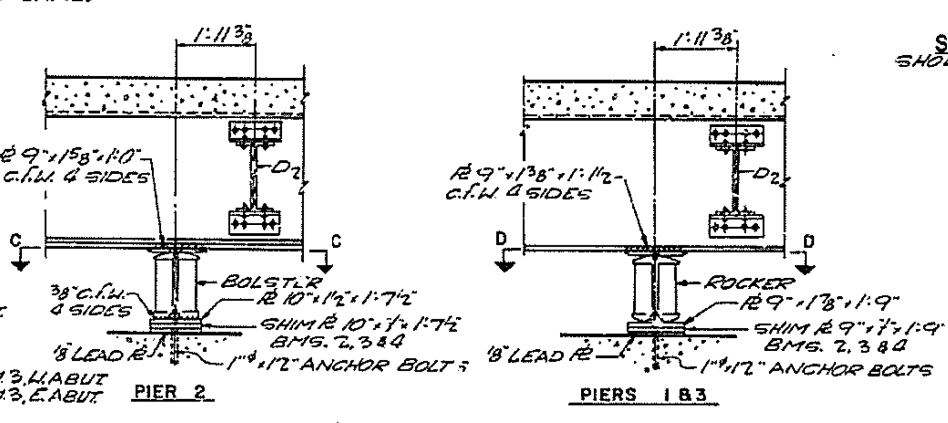
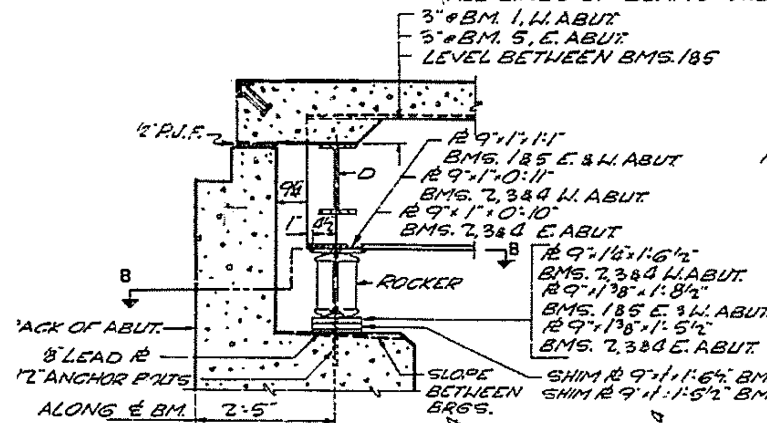
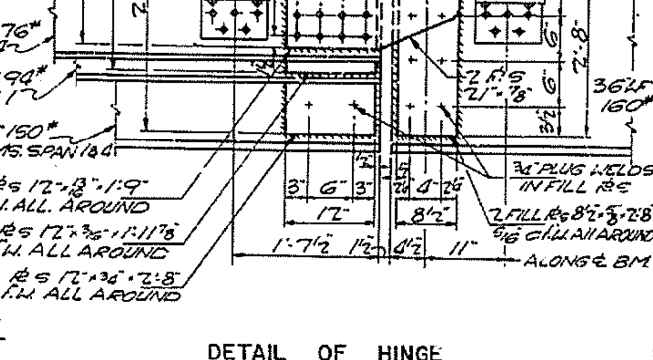
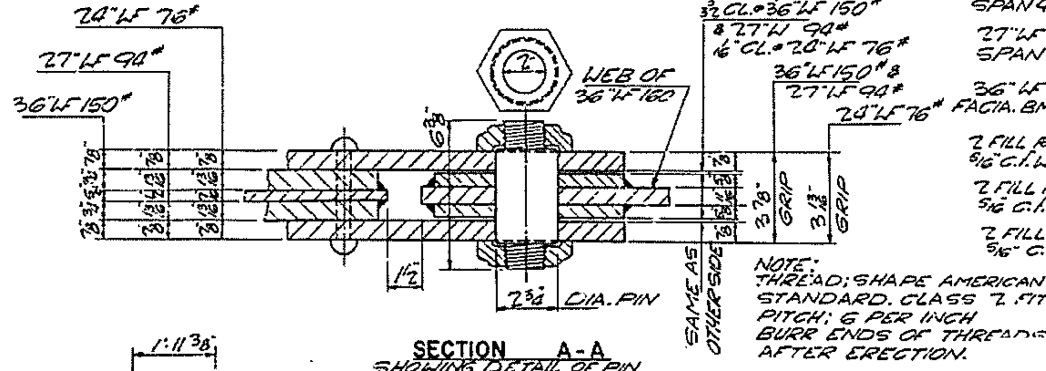
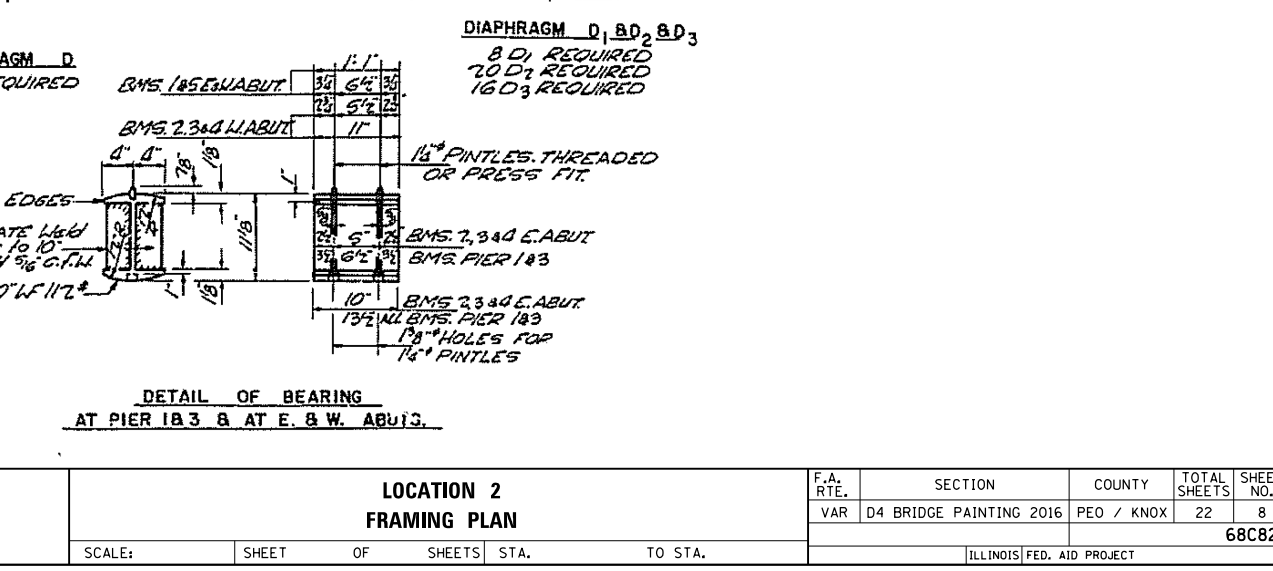
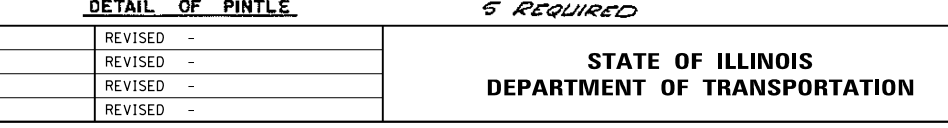
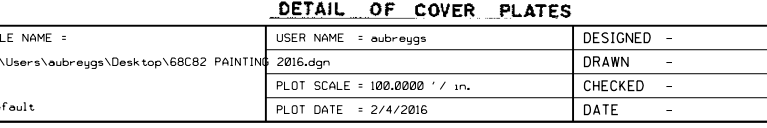
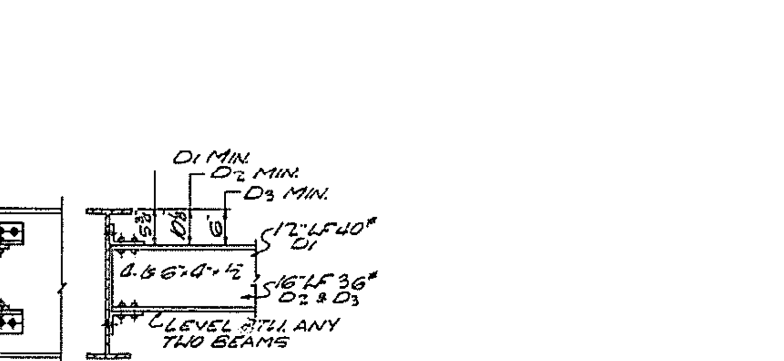
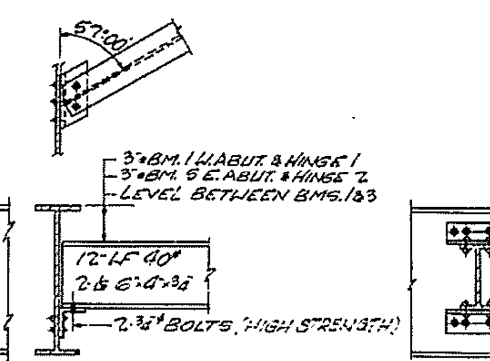
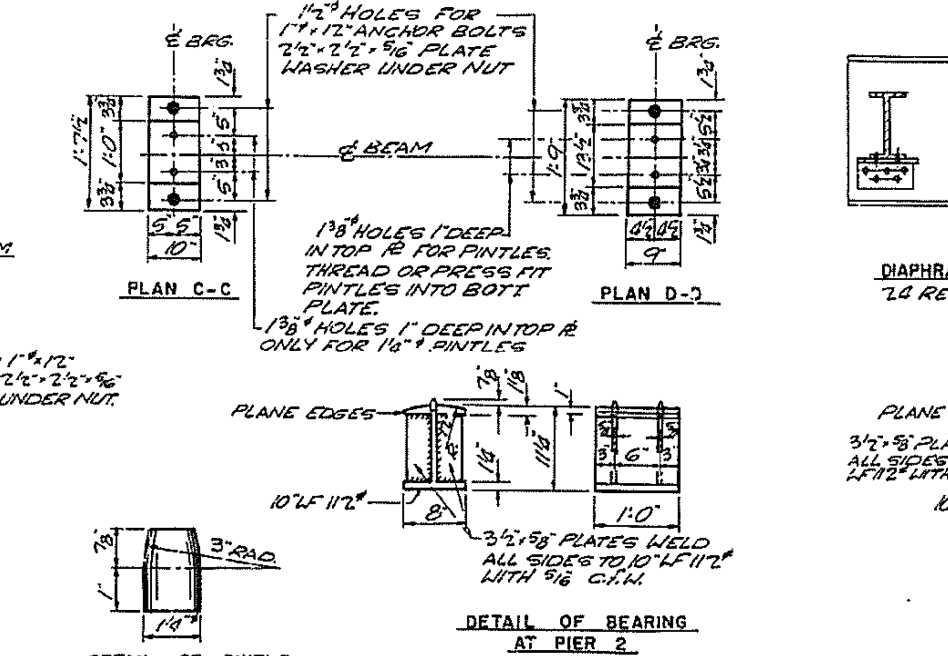
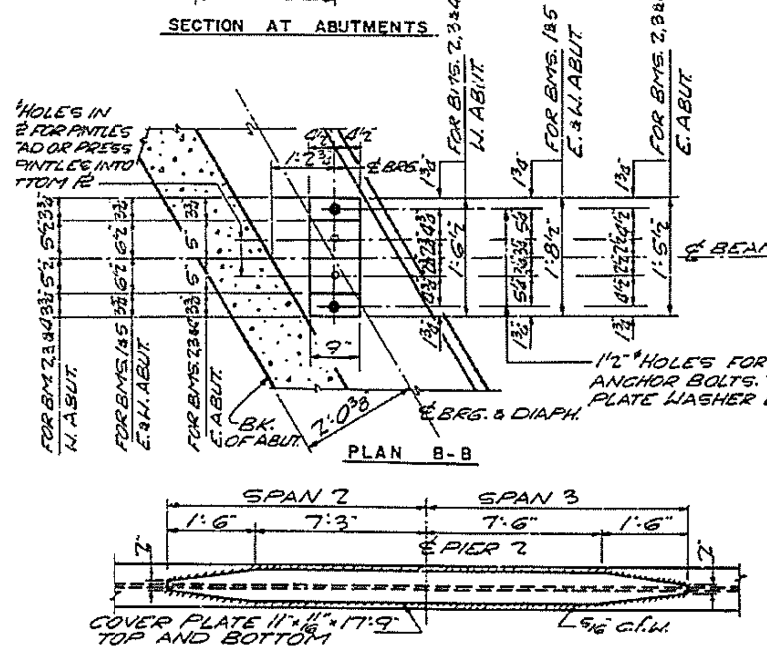


TABLE OF "t" DIMENSIONS

B.M. NO.	B.M. 1	B.M. 2	B.M. 3	B.M. 4	B.M. 5
U. ABUT.	0'-0"	0'-0"	3/8"	0'-0"	0'-0"
PIER 1	0'-0"	0'-0"	3/8"	0'-0"	0'-0"
PIER 2	0'-0"	0'-0"	3/8"	0'-0"	0'-0"
PIER 3	0'-0"	0'-0"	3/8"	0'-0"	0'-0"
E. ABUT.	0'-0"	0'-0"	3/8"	0'-0"	0'-0"



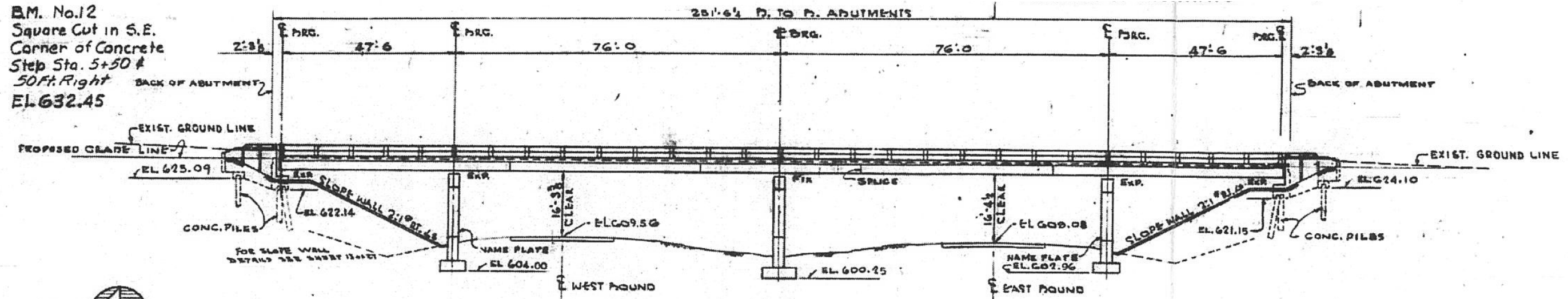




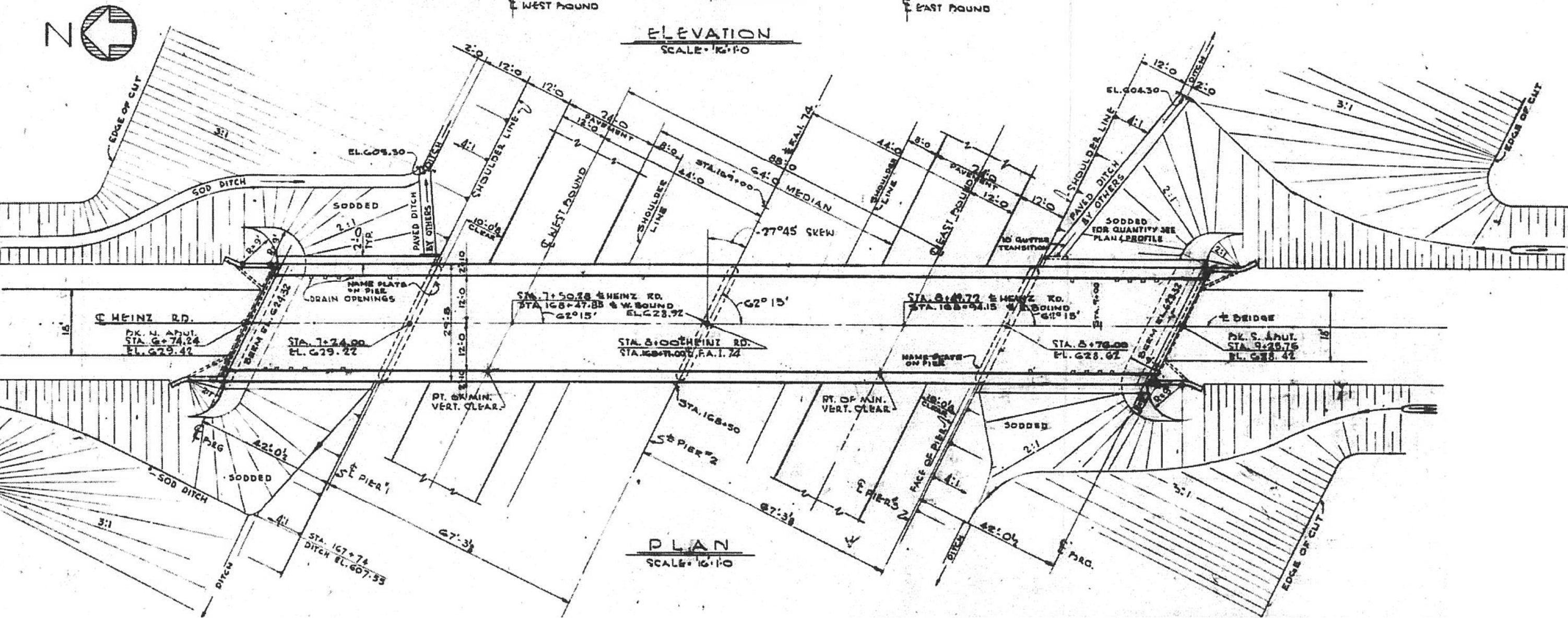


LOCATION 4 S.N. 072-0071

B.M. No.12  
Square Cut in S.E.  
Corner of Concrete  
Step Sta. 5+50 #  
50ft. Right  
EL. 632.45



ELEVATION  
SCALE = 1/4" = 1'-0"



PLAN  
SCALE = 1/4" = 1'-0"

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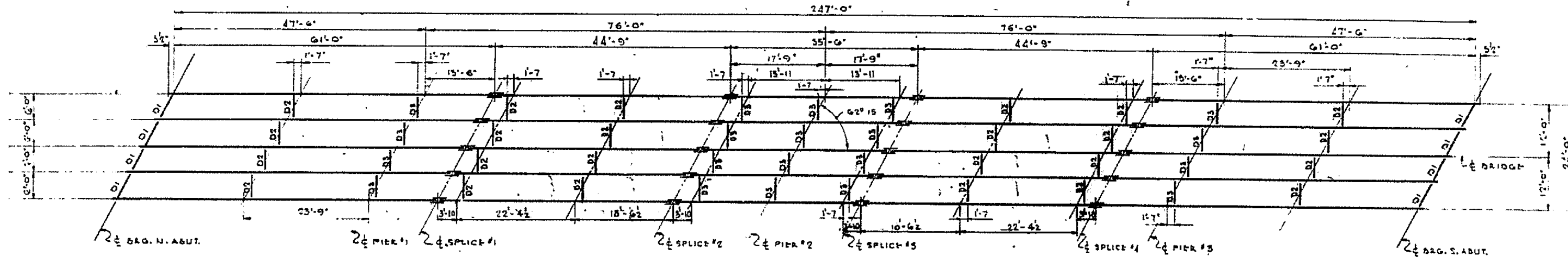
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LOCATION 4		COUNTY		TOTAL SHEETS	SHEET NO.
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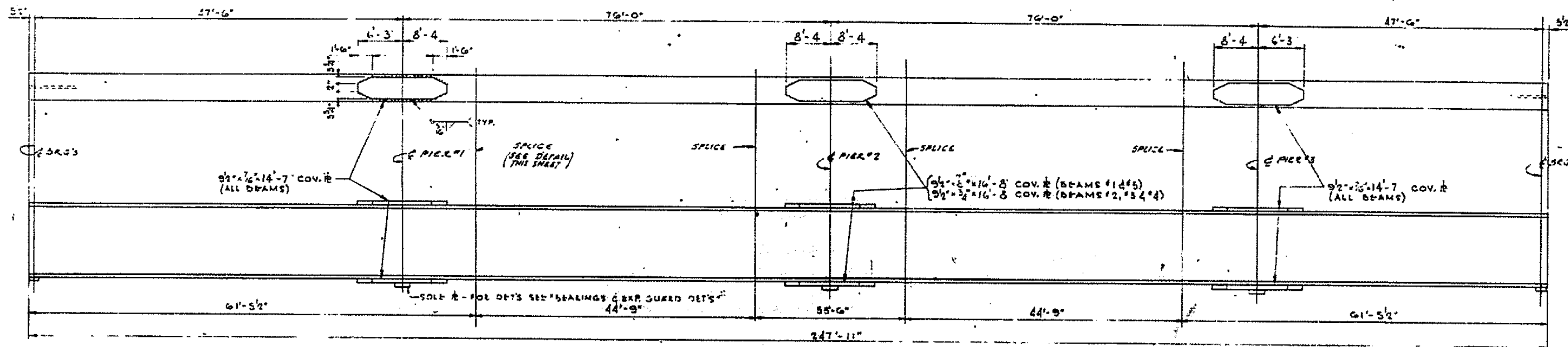
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ILLINOIS FED. AID PROJECT				

68C82

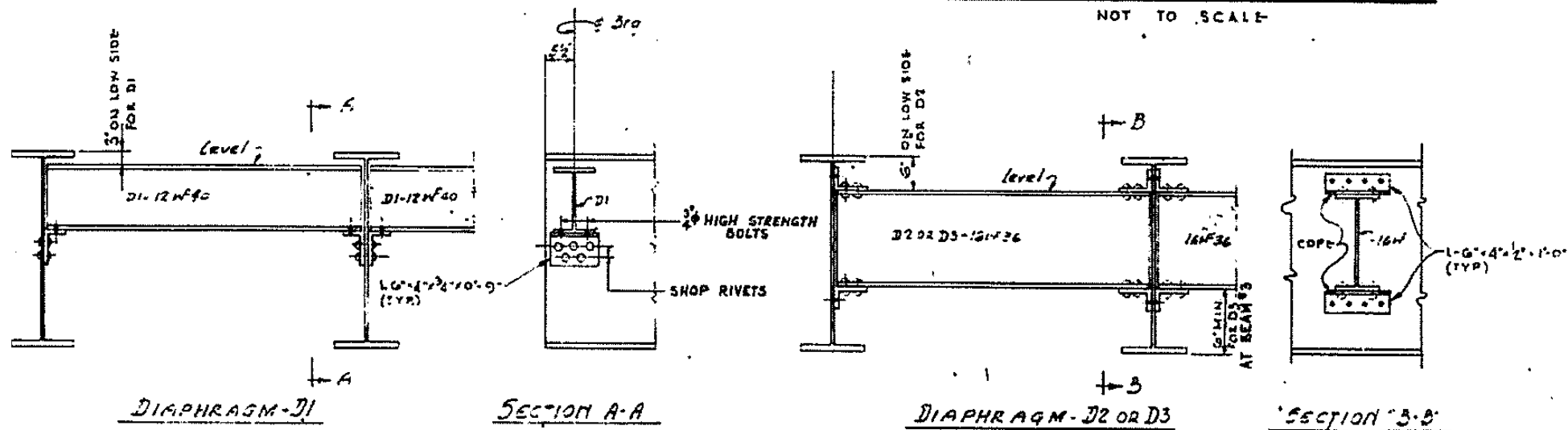
LOCATION 4 S.N. 072-0071



FRAMING PLAN  
SCALE: 3/8" = 1'-0"



DEAMS #1 THRU #5 (30 WF 132)  
NOT TO SCALE



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LOCATION 4  
FRAMING PLAN

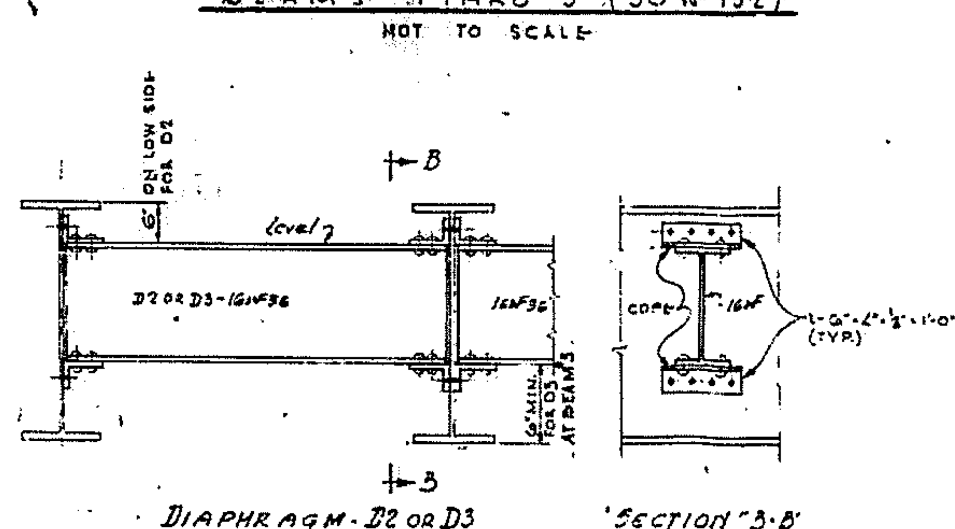
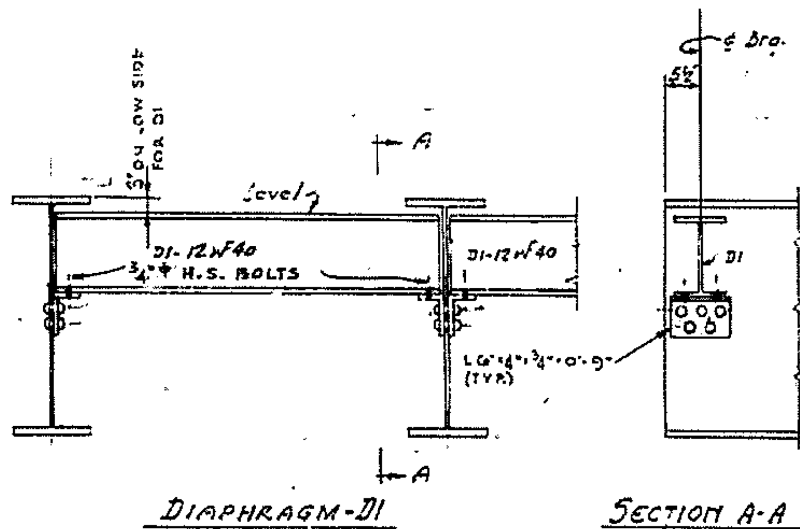
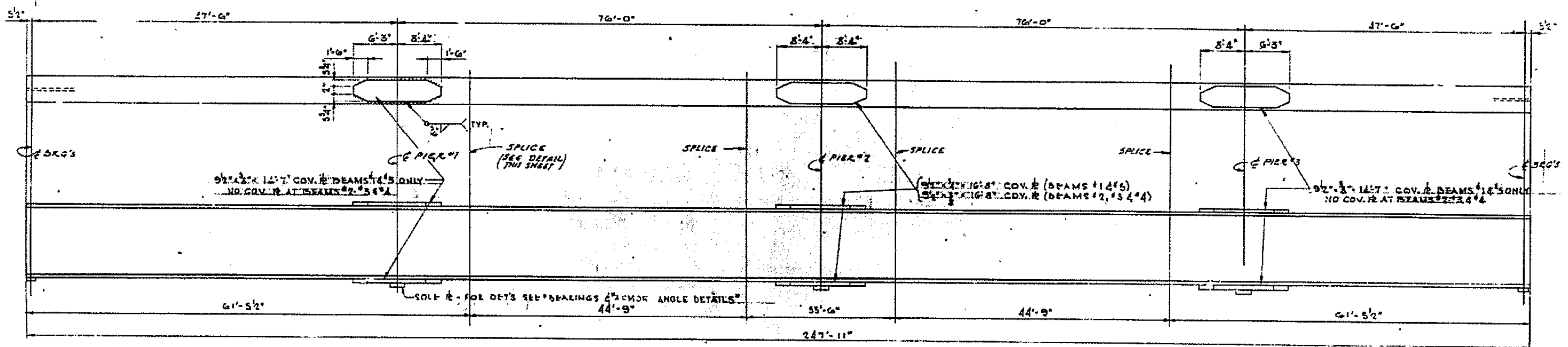
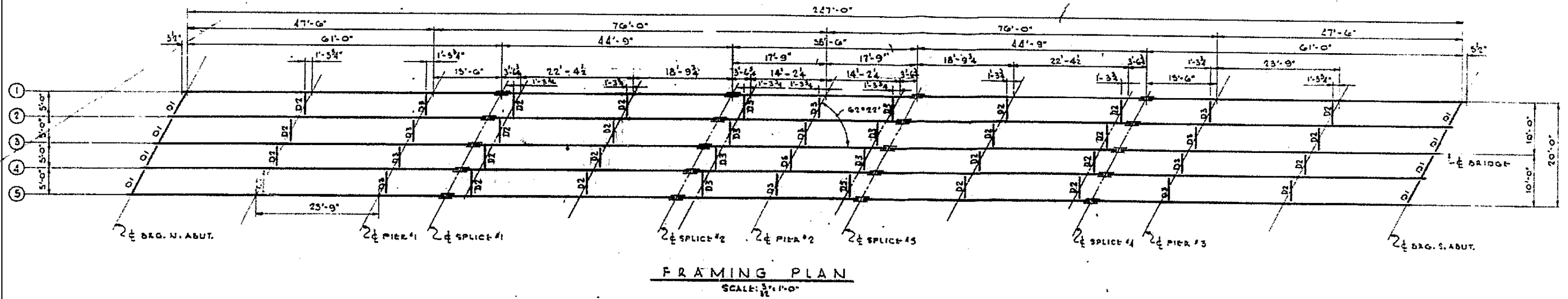
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D4 BRIDGE PAINTING 2016	PEO / KNOX	22	12
			68C82	
ILLINOIS FED. AID PROJECT				





LOCATION 5 S.N. 072-0070

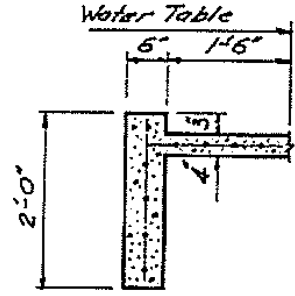
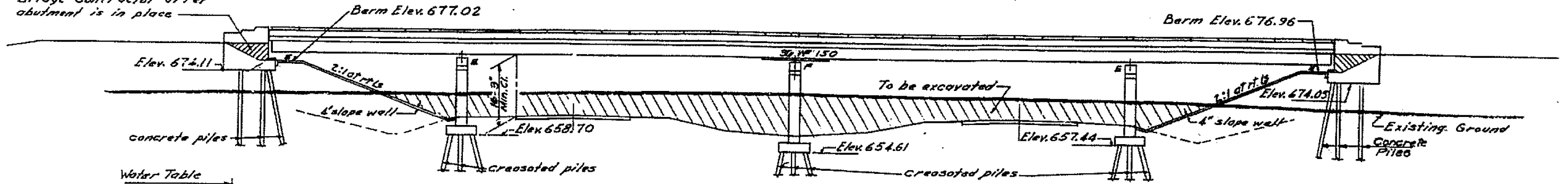


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Default	PLOT SCALE = 100.0000 / in.	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	VAR	D4 BRIDGE PAINTING 2016	PEO / KNOX	22	14
	PLOT DATE = 2/4/2016	CHECKED -	REVISED -										68C82			
		DATE -	REVISED -											ILLINOIS FED. AID PROJECT		

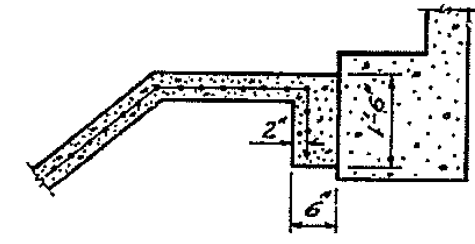


LOCATION 6 S.N. 072-0069

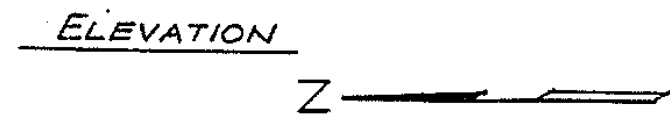
This portion of backfill by Bridge Contractor after abutment is in place



SEC. A-A



SEC. B-B

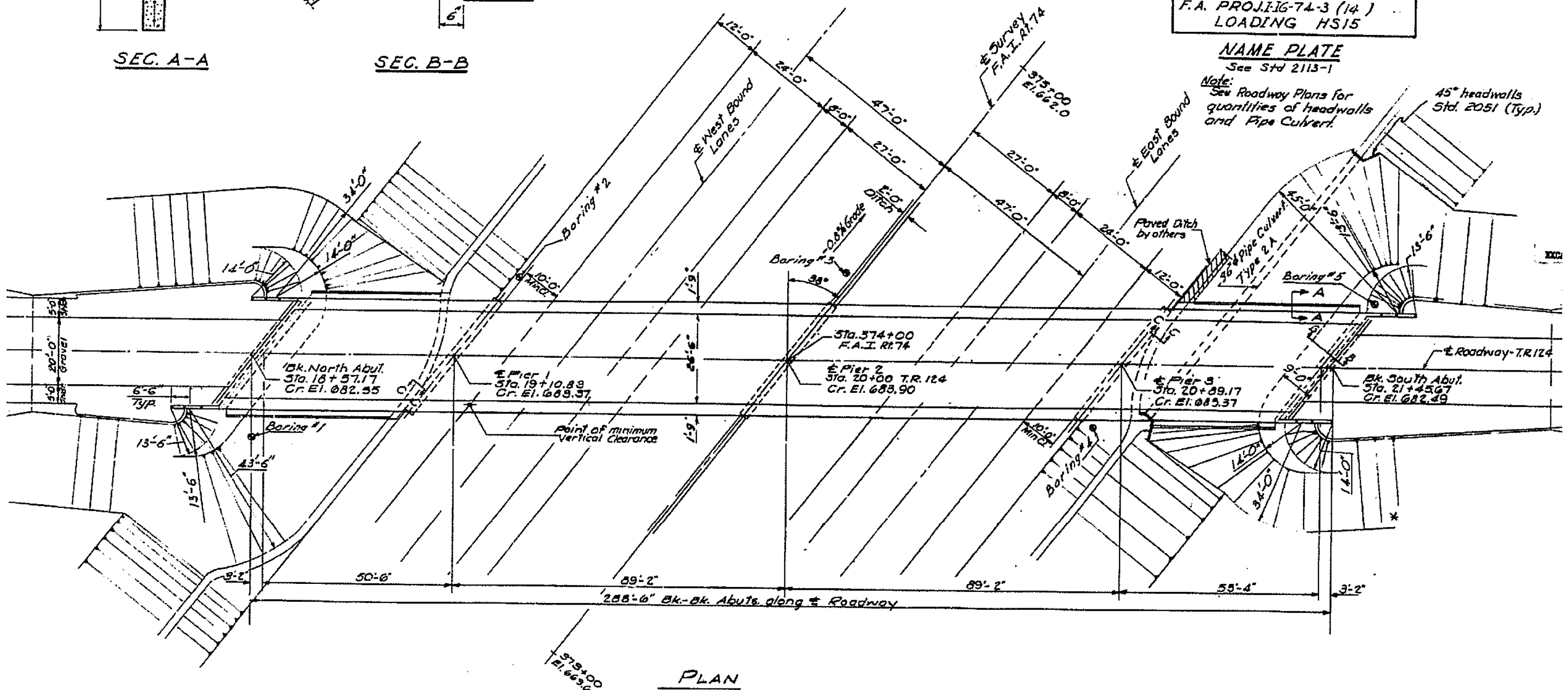


STA. 374+00  
BUILT 196 BY  
STATE OF ILLINOIS  
F.A.I. RT. 74 SEC. 72-4HA-1  
F.A. PROJ. 16-74-3 (14)  
LOADING HS15

NAME PLATE  
See Std 2113-1

Note:  
See Roadway Plans for  
quantities of headwalls  
and Pipe Culvert.

45° headwalls  
Std. 2051 (Typ.)



PLAN

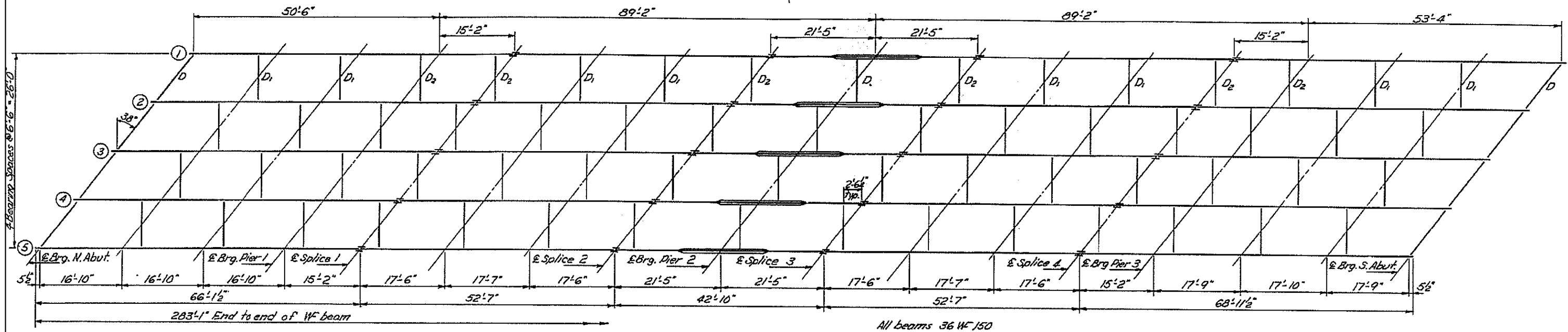
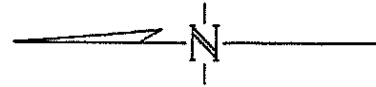
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

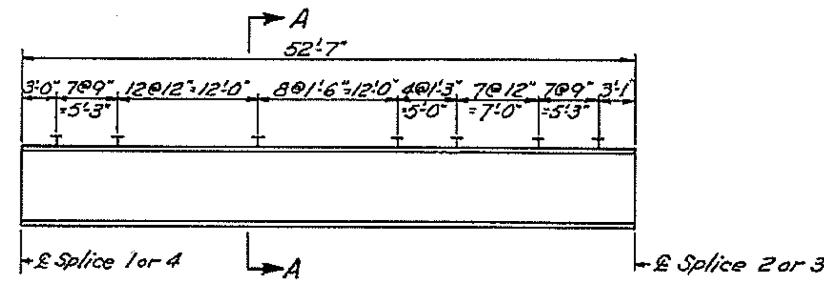
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PLAN VIEW		D4 BRIDGE PAINTING 2016		PEO / KNOX		22	15
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR 04	D4 BRIDGE PAINTING 2016	PEO / KNOX	22	15
ILLINOIS FED. AID PROJECT				

68C82

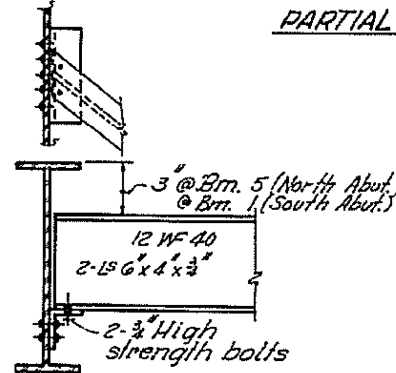
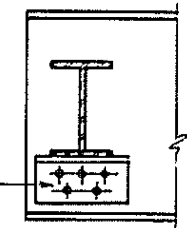


PLAN



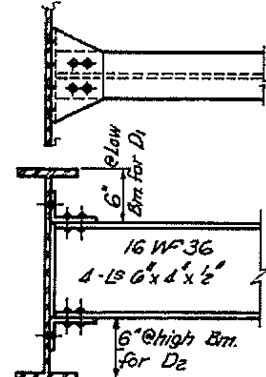
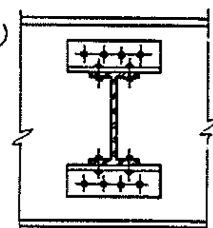
PARTIAL ELEVATION

In lieu of shop rivets, angles may be attached in the shop with 3/4" high strength bolts or 1/2" c.f.w.

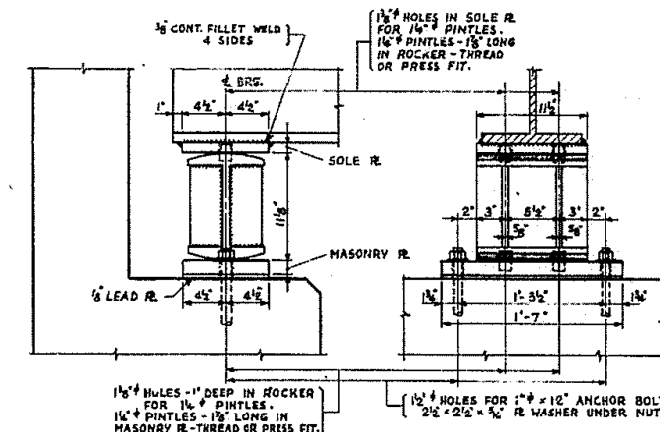


DIAPHRAGM D  
3 Required

Note: Run all diaphragms level



DIAPHRAGM D<sub>1</sub> or D<sub>2</sub>  
32-D; 28-D<sub>2</sub> Required



EXPANSION BEARING DETAILS  
@ ABUTMENTS  
(10 REQ'D.)

FILE NAME =	USER NAME = aubreys	DESIGNED -	REVISED -
C:\Users\aubreys\Desktop\68C82 PAINTING	2016.dgn	DRAWN -	REVISED -
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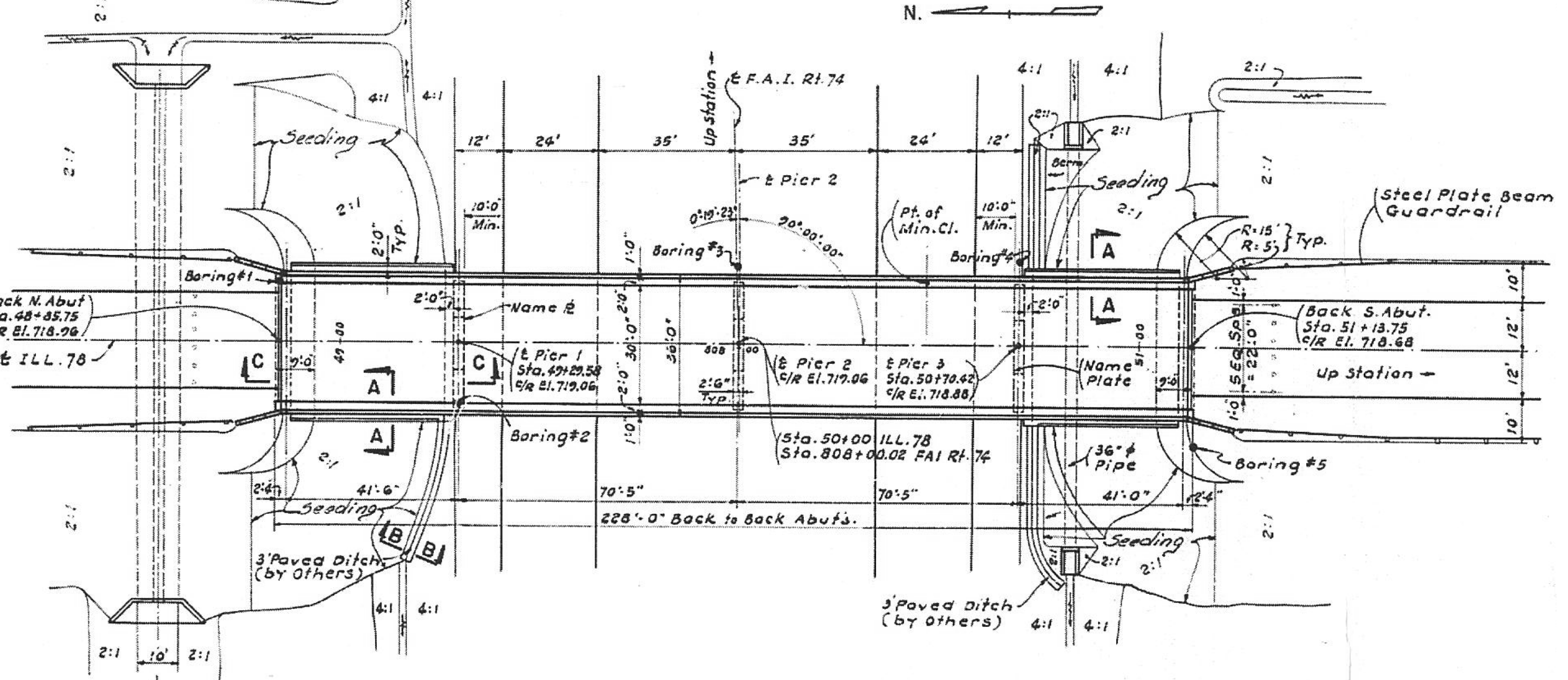
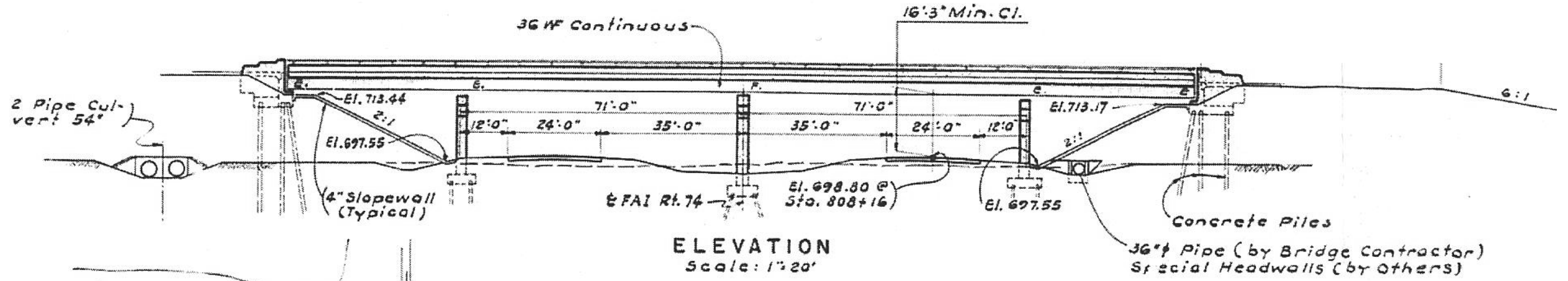
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LOCATION 6  
FRAMING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D4 BRIDGE PAINTING 2016	PEO / KNOX	22	16
			68C82	
ILLINOIS FED. AID PROJECT				

LOCATION 7 S.N. 072-0032



FILE NAME =	USER NAME = aubreys	DESIGNED -	REVISED -
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	PLOT DATE = 2/4/2016	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LOCATION 7		SECTION		COUNTY		TOTAL SHEETS	SHEET NO.
PLAN VIEW		D4 BRIDGE PAINTING 2016		PEO / KNOX		22	17
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D4 BRIDGE PAINTING 2016	PEO / KNOX	22	17
ILLINOIS FED. AID PROJECT				

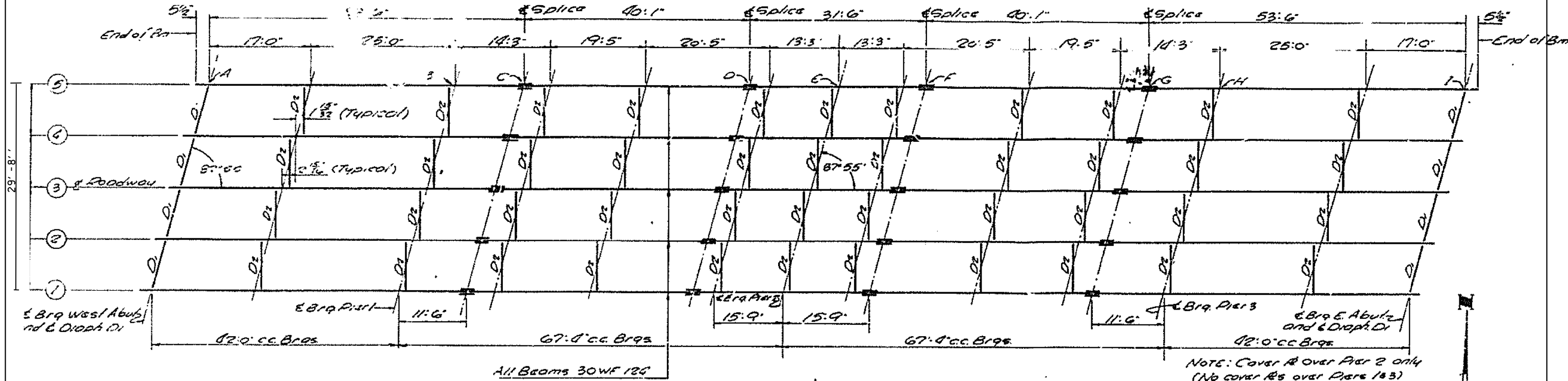
68C82



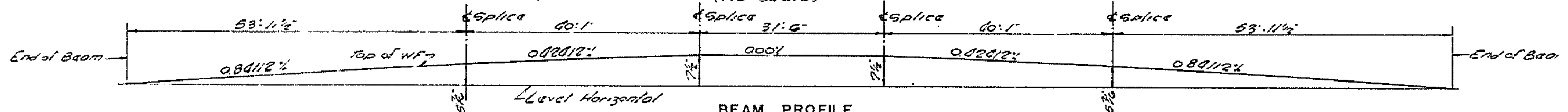




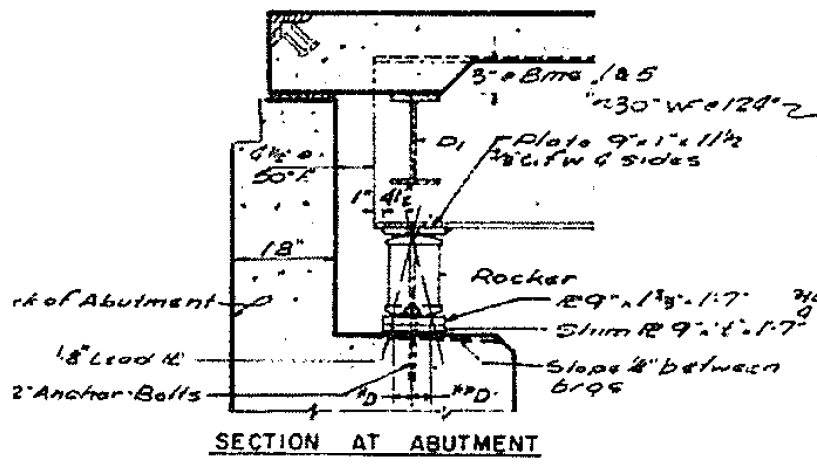
LOCATION 8 S.N. 048-0060



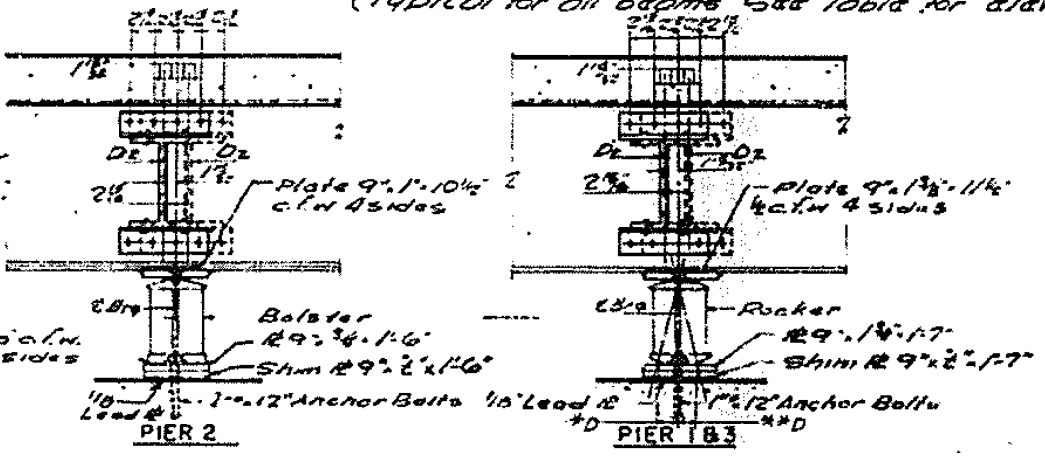
FRAMING PLAN  
(No Scale)



BEAM PROFILE  
(Typical for all beams See Table for alterations)

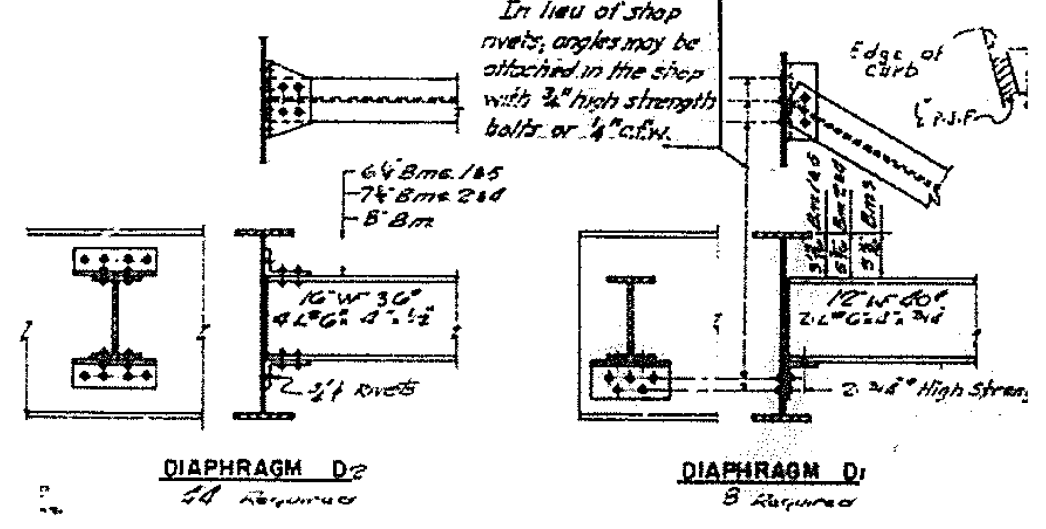


SECTION AT ABUTMENT



PIER 2

PIER 3

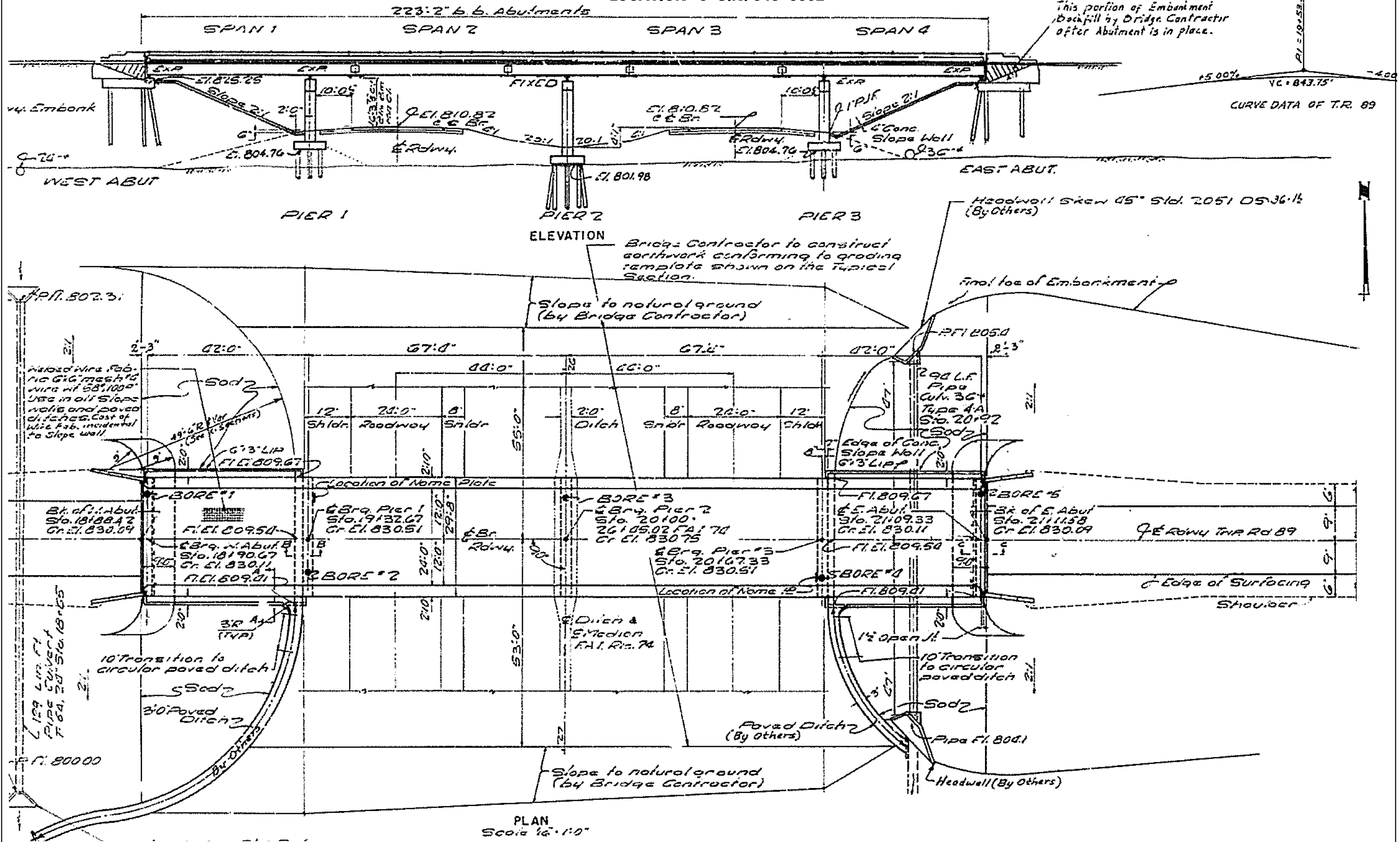


DIAPHRAGM D2  
4 Required

DIAPHRAGM D1  
5 Required

FILE NAME = C:\Users\aubreygs\Desktop\68C82 PAINTING\2016.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 8 FRAMING PLAN	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -	REVISED -			VAR	D4 BRIDGE PAINTING 2016	PEO / KNOX	22	20		
PLOT DATE = 2/4/2016	CHECKED -	REVISED -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
	DATE -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT						

LOCATION 9 S.N. 048-0062



FILE NAME =	USER NAME = aubreys	DESIGNED -	REVISED -
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	PLOT DATE = 2/4/2016	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

LOCATION 9  
PLAN VIEW

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR 04	BRIDGE PAINTING 2016	PEO / KNOX	22	21
ILLINOIS FED. AID PROJECT				

68C82

LOCATION 9 S.N. 048-0062

