11-18-2022 LETTING ITEM 030

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	-	67	1
	ILLINOIS	CONTRACT NO. 70F43		

** D5 BRIDGE PAINTING 2023-1
* CHAMPAIGN, MCLEAN, PIATT

D-95-040-21

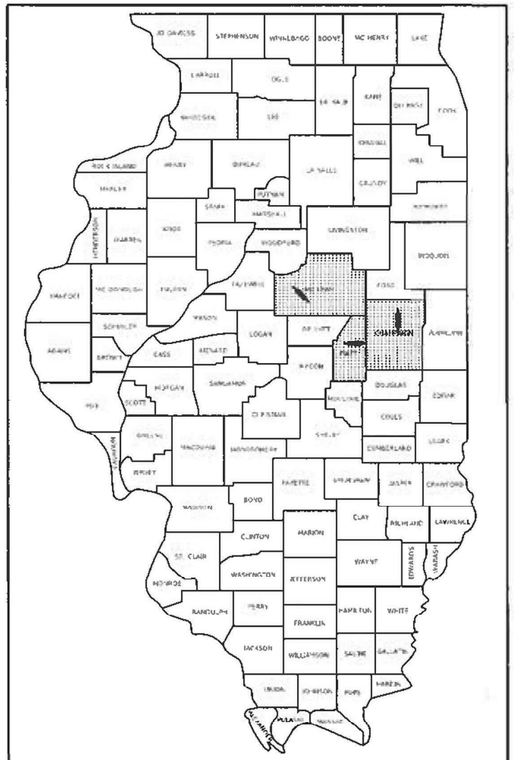
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 6 – 9

PROPOSED HIGHWAY PLANS

VARIOUS ROUTES
SECTION D5 BRIDGE PAINTING 2023–1
PROJECT NHPP–B1GS(260)
BRIDGE PAINTING
VARIOUS COUNTIES

C–95–053–21



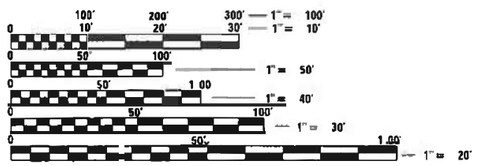
LOCATION OF SECTION INDICATED THUS: –

CURRENT TRAFFIC DATA

LOC. #1	LOC. #2	LOC. #3	LOC. #4	LOC. #5
21,100	21,100	26,000	26,000	26,000
2021 (I-57)	2021 (I-57)	2021 (I-57)	2021 (I-57)	2021 (I-57)
LOC. #6 & #7	**LOC. #8**	**LOC. #9**	**LOC. #10**	**LOC. #11**
1,950	11,200	11,700	14,200	14,200
(2020)	2021 (I-72)	2021 (I-72)	2021 (I-72)	2021 (I-72)
6 Points Rd.				

LOC. #1	S.N. 010-0162 - FAI 57 @ m.p. 252.6	2.25 mi. North of U.S. 136
LOC. #2	S.N. 010-0163 - FAI 57 @ m.p. 251.4	0.75 mi. North of U.S. 136
LOC. #3	S.N. 010-0164 - FAI 57 @ m.p. 249.3	0.75 mi. South of U.S. 136
LOC. #4	S.N. 010-0165 - FAI 57 @ m.p. 247.2	2.75 mi. South of U.S. 136
LOC. #5	S.N. 010-0172 - FAI 57 @ m.p. 242.5	1.00 mi. North of Leverett
LOC. #6	S.N. 057-0008 - FAI 55/74 @ m.p. 157.9	over Six Points Rd/FAU 6369
LOC. #7	S.N. 057-0009 - FAI 55/74 @ m.p. 157.9	over Six Points Rd/FAU 6369
LOC. #8	S.N. 074-0060 - FAI 72 @ m.p. 159.0	2.00 mi East of Cisco
LOC. #9	S.N. 074-0066 - FAI 72 @ m.p. 164.8	0.50 mi. N.W. of Monticello
LOC. #10	S.N. 074-0035 - FAI 72 @ m.p. 167.8	4.00 mi. N.E. of Monticello
LOC. #11	S.N. 074-0036 - FAI 72 @ m.p. 170.4	East of White Heath

FOR LOCATION MAP, SEE SHEETS 3–5



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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 8/16 2022
Kena A. Garnett SWN
REGIONAL ENGINEER

October 14, 2022
ENGINEER OF DESIGN AND ENVIRONMENT

October 14, 2022
Stephen M Travis
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PROJECT ENGINEER: JASON STULTS
SQUAD LEADER: JASON LEE
DESIGNER: MARK HARDEN
PHONE: (217)465–4181

CONTRACT NO. 70F43

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV. 8/25/22

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, & GENERAL NOTES
3	STRUCTURE LOCATION MAP; LOCATIONS 1-5 (CHAMPAIGN CO.)
4	STRUCUTRE LOCATION MAP; LOCATIONS 6-7 (MCLEAN CO.)
5	STRUCTURE LOCATION MAP; LOCATIONS 8-11 (PIATT CO.)
6-9	SUMMARY OF QUANTITIES
10	TRAFFIC CONTROL SUMMARY
11-16	DESCRIPTION OF WORK FOR LOCATIONS 1-11
17-19	LOCATION #1 STRUCTURE DETAILS
20-22	LOCATION #2 STRUCTURE DETAILS
23-25	LOCATION #3 STRUCTURE DETAILS
26-28	LOCATION #4 STRUCTURE DETAILS
29-31	LOCATION #5 STRUCTURE DETAILS
32-40	LOCATION #6 STRUCTURE DETAILS
41-49	LOCATION #7 STRUCTURE DETAILS
50-53	LOCATION #8 STRUCTURE DETAILS
54-59	LOCATION #9 STRUCTURE DETAILS
60-62	LOCATION #10 STRUCTURE DETAILS
63-65	LOCATION #11 STRUCTURE DETAILS
66	DETAIL FOR TEMPORARY RUMBLE STRIPS (SPECIAL)
67	DETAIL FOR ROAD CLOSURE

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
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
701400-11	APPROACH TO LANE CLOSURE, FREEWAY / EXPRESSWAY
701402-12	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY / EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

GENERAL NOTES

G.N.-100A
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR

G.N.-501A
THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

G.N.-506 (SPL.)
ALL FINAL SURFACES OF THE BEAMS SHALL BE PAINTED GRAY (MUNSELL COLOR STANDARD - 5B 7/1) EXCEPT THE EXTERIOR SURFACES OF THE EXTERIOR BEAMS WHICH SHALL BE PAINTED WITH EITHER INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8) OR REDDISH BROWN (MUNSELL COLOR STANDARD 2.5YR 3/4) AS SPECIFIED UNDER THE DESCRIPTION FOR EACH STRUCTURE.

ONLY STRUCTURAL STEEL AND OTHER DESIGNATED SURFACES SHALL BE PAINTED. ALL OTHER SURFACES SHALL BE PROTECTED FROM CONTRACTORS BLASTING AND PAINTING OPERATIONS. ANY AREAS DAMAGED BY BLASTING OR OVERSPRAY WILL BE REMOVED OR REPAIRED AT THE CONTRACTOR'S EXPENSE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

CARE SHALL BE TAKEN NOT TO DAMAGE RUBBER BEARING OR JOINT COMPONENTS DURING BLASTING AND CLEANING OPERATIONS. ANY DAMAGE TO THESE COMPONENTS SHALL BE REPAIRED AT CONTRACTORS EXPENSE.

THE SSPC-QP1 AND QP2 PAINTING CONTRACTOR CERTIFICATIONS WILL BE REQUIRED FOR THIS CONTRACT.

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

2 YEAR PAINT WARRANTY REQUIRED FOR ALL STRUCTURES

TRAFFIC CONTROL & PROTECTION STANDARD 701428: THIS STANDARD IS TO BE USED WHEN THE ADT IS GREATER THAN 25,000. SEE LOCATIONS 3, 4 & 5

COMMITMENTS
THERE ARE NO COMMITMENTS ON THIS PROJECT.

* CHAMPAIGN, MCLEAN & PIATT

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PLOT DATE = 8/16/2022	DATE -	REVISED -	

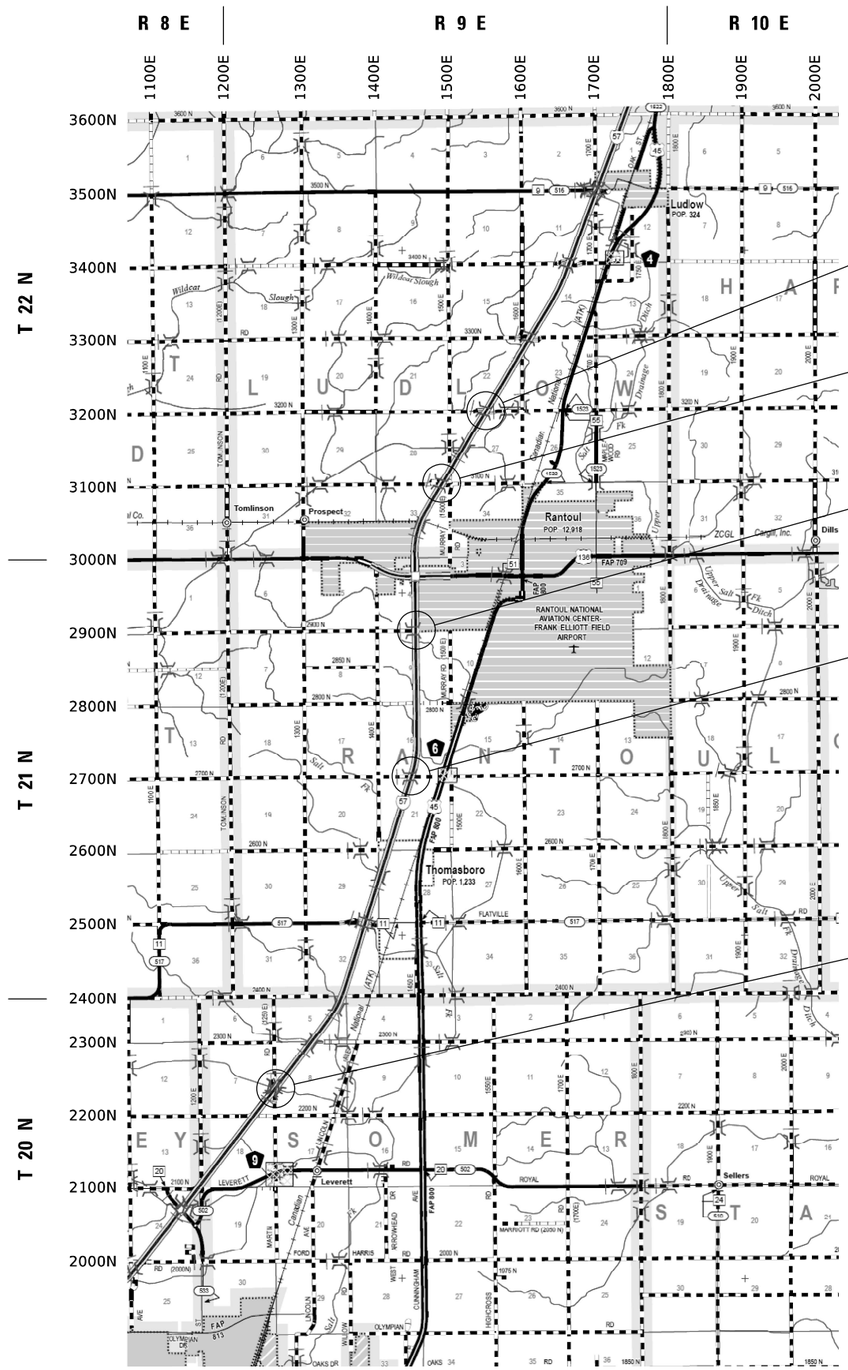
INDEX OF SHEETS, HIGHWAY STANDARDS, & GENERAL NOTES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	2
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS	FED. AID PROJECT			

CHAMPAIGN COUNTY

I–57: LOCATIONS 1,2,3,4,5



STRUCTURE LOCATION MAP

LOCATION 1
STR. 010-0162
M.P. 252.6

LOCATION 2
STR. 010-0163
M.P. 251.4

LOCATION 3
STR. 010-0164
M.P. 249.3

LOCATION 4
STR. 010-0165
M.P. 247.2

LOCATION 5
STR. 010-0172
M.P. 242.5

N

TOWNSHIPS

LUDLOW
RANTOUL
SOMER

SCALE FOR MAIN MAP

0 1 2 3 4 5 Miles
0 5,000 10,000 15,000 20,000 25,000 Feet
0 1 2 3 4 5 6 7 8 Kilometers

SCALE FOR ENLARGEMENTS

0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1 Miles
0 1,000 2,000 3,000 4,000 5,000 Feet
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1 Kilometers

* CHAMPAIGN, MCLEAN & PIATT

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PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE LOCATION MAP – CHAMPAIGN CO.

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

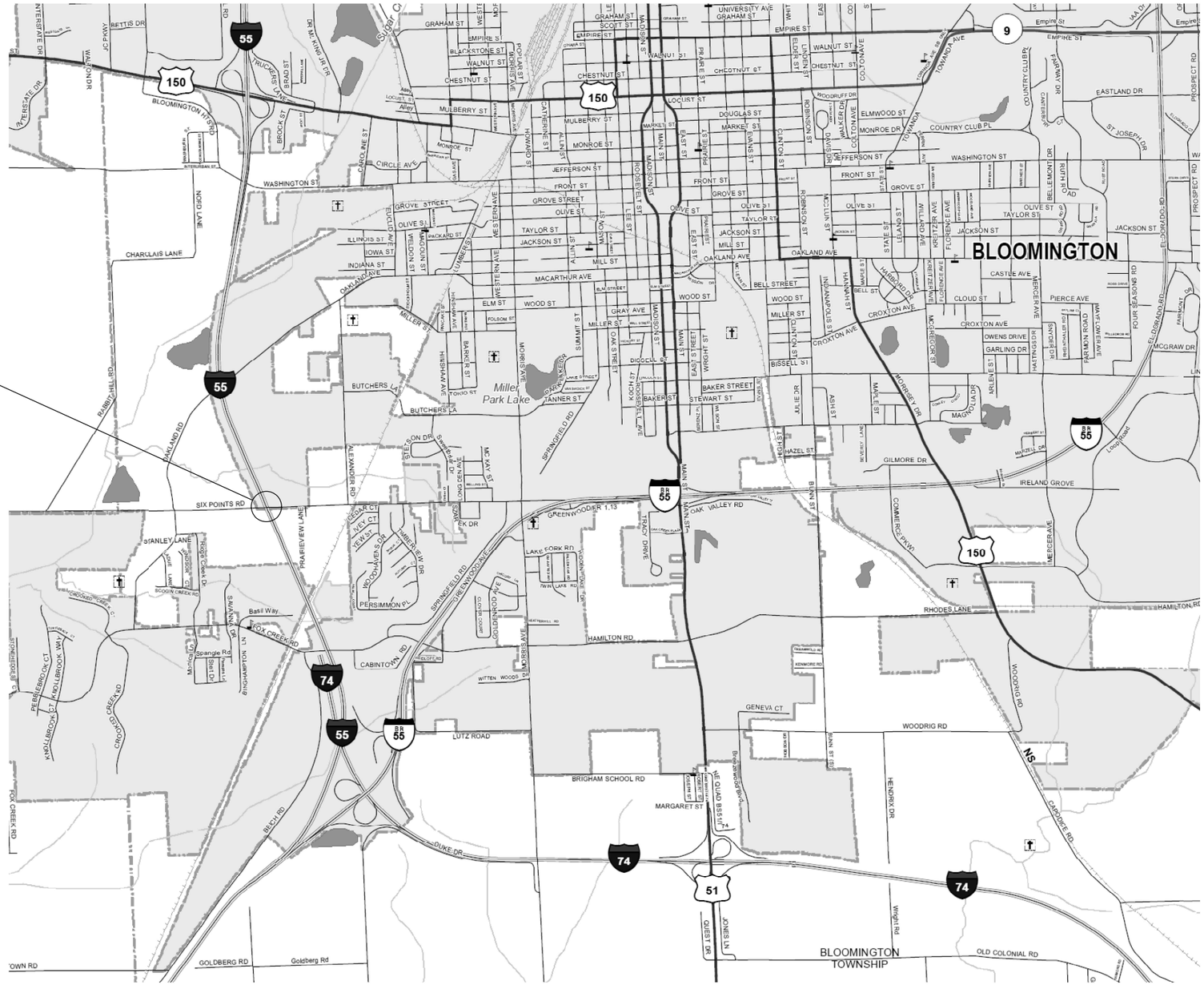
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	3
** DS BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS	FED. AID PROJECT			

BLOOMINGTON IL, MCLEAN COUNTY

I–55: LOCATIONS 6 & 7

STRUCTURE LOCATION MAP

LOCATION 6 & 7
STR. 057-0008 N.B.
STR. 057-0009 S.B.
M.P. 157.9



TOWNSHIPS

BLOOMINGTON

SCALE

0 0.475 0.95 1.9 Miles

* CHAMPAIGN, MCLEAN & PIATT

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PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STRUCTURE LOCATION MAP – MCLEAN CO.

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	4
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS FED. AID PROJECT				

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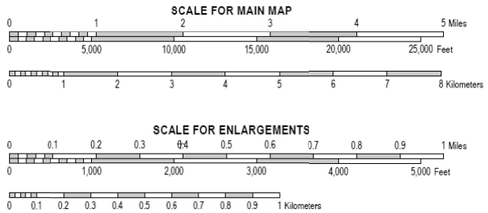
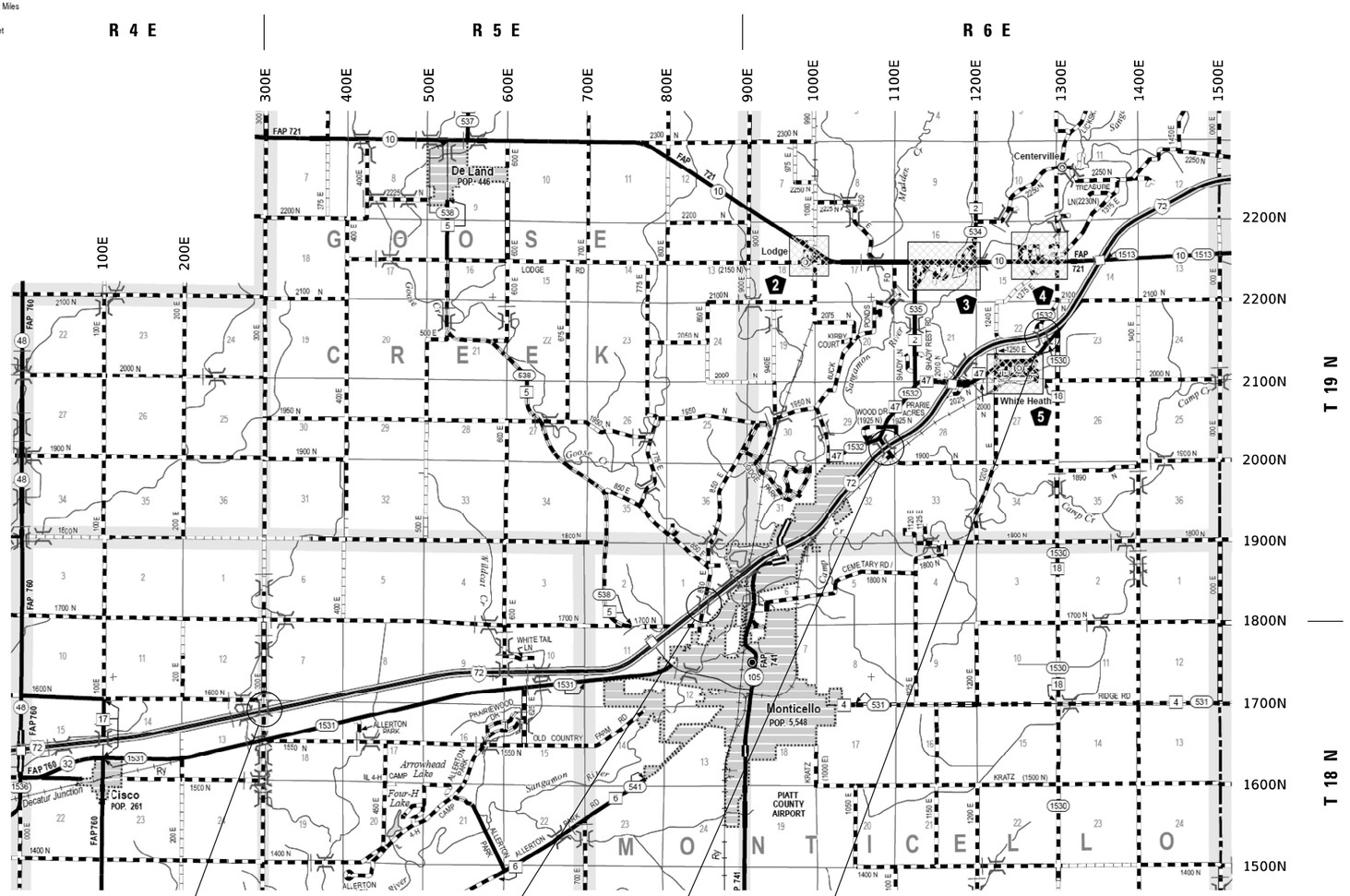
PIATT COUNTY

I–72: LOCATIONS 8,9,10,11

STRUCTURE LOCATION MAP





N

TOWNSHIPS
GOOSE CREEK
MONTICELLO

LOCATION 8
STR. 074-0060
M.P. 159.0

LOCATION 9
STR. 074-0066
M.P. 164.8

LOCATION 10
STR. 074-0035
M.P. 167.8

LOCATION 11
STR. 074-0036
M.P. 170.4

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STRUCTURE LOCATION MAP – PIATT CO.

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	5
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
		ILLINOIS	FED. AID PROJECT	

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SUMMARY OF QUANTITIES

LOCATION OF WORK:	LOC. #1	LOC. #2	LOC. #3	LOC. #4	LOC. #5	LOC. #6	LOC. #7	LOC. #8	LOC. #9	LOC. #10	LOC. #11
	FAI 57	FAI 57	FAI 57	FAI 57	FAI 57	FAI 55 / 74	FAI 55 / 74	FAI 72	FAI 72	FAI 72	FAI 72
	S.N. 010-0162	S.N. 010-0163	S.N. 010-0164	S.N. 010-0165	S.N. 010-0172	S.N. 057-0008 NB	S.N. 057-0009 SB	S.N. 074-0060	S.N. 074-0066	S.N. 074-0035	S.N. 074-0036
COUNTY:	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	MCLEAN	MCLEAN	PIATT	PIATT	PIATT	PIATT
	RURAL	RURAL	URBAN	RURAL	RURAL	URBAN	URBAN	RURAL	URBAN	RURAL	RURAL
FUNDING BREAKOUT:	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL
	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
67100100	MOBILIZATION	L SUM	1.0	0.1	0.1	0.1	0.1	0.1	0.05	0.05	0.1	0.1	0.1	0.1
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	36.0	4.0	4.0	4.0	4.0	4.0			4.0	4.0	4.0	4.0
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	48.0	7.0				7.0	10.0	10.0	7.0			7.0
70400100	TEMPORARY CONCRETE BARRIER	FOOT	5400.0	600.0	600.0	600.0	600.0	600.0			600.0	600.0	600.0	600.0
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	5400.0	600.0	600.0	600.0	600.0	600.0			600.0	600.0	600.0	600.0
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	18.0	2.0	2.0	2.0	2.0	2.0			2.0	2.0	2.0	2.0
70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	18.0	2.0	2.0	2.0	2.0	2.0			2.0	2.0	2.0	2.0
X0327271	TRAFFIC CONTROL FOR ROAD CLOSURE	EACH	1.0						0.5	0.5				
X2700001	TEMPORARY RUMBLE STRIPS (SPECIAL)	EACH	96.0	12.0	8.0	8.0	8.0	12.0			16.0	12.0	8.0	12.0

* DENOTES SPECIALTY ITEM

* CHAMPAIGN, MCLEAN & PIATT

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PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	6
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS	FED. AID PROJECT			

SUMMARY OF QUANTITIES

LOCATION OF WORK:				LOC. #1	LOC. #2	LOC. #3	LOC. #4	LOC. #5	LOC. #6	LOC. #7	LOC. #8	LOC. #9	LOC. #10	LOC. #11
				FAI 57	FAI 57	FAI 57	FAI 57	FAI 57	FAI 55 / 74	FAI 55 / 74	FAI 72	FAI 72	FAI 72	FAI 72
				S.N.010-0162	S.N. 010-0163	S.N. 010-0164	S.N. 010-0165	S.N. 010-0172	S.N. 057-0008 NB	S.N. 057-0009 SB	S.N. 074-0060	S.N. 074-0066	S.N. 074-0035	S.N. 074-0036
COUNTY:				CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	MCLEAN	MCLEAN	PIATT	PIATT	PIATT	PIATT
				RURAL	RURAL	URBAN	RURAL	RURAL	URBAN	URBAN	RURAL	URBAN	RURAL	RURAL
FUNDING BREAKOUT:				90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL
				10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE
CONSTRUCTION TYPE CODE:				0047	0047	0047	0047	0047	0047	0047	0047	0047	0047	0047
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
X5067501	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1	L SUM	1.0	1.0										
X5067502	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 2	L SUM	1.0		1.0									
X5067503	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 3	L SUM	1.0			1.0								
X5067504	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 4	L SUM	1.0				1.0							
X5067505	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 5	L SUM	1.0					1.0						
X5067506	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 6	L SUM	1.0						1.0					
X5067507	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 7	L SUM	1.0							1.0				
X5067508	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 8	L SUM	1.0								1.0			
X5067509	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 9	L SUM	1.0									1.0		
X5067510	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 10	L SUM	1.0										1.0	
X5067511	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 11	L SUM	1.0											1.0

* DENOTES SPECIALTY ITEM

* CHAMPAIGN, MCLEAN & PIATT

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	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

SUMMARY OF QUANTITIES

SCALE: | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	7
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES

LOCATION OF WORK:				LOC. #1	LOC. #2	LOC. #3	LOC. #4	LOC. #5	LOC. #6	LOC. #7	LOC. #8	LOC. #9	LOC. #10	LOC. #11
				FAI 57	FAI 57	FAI 57	FAI 57	FAI 57	FAI 55 / 74	FAI 55 / 74	FAI 72	FAI 72	FAI 72	FAI 72
				S.N. 010-0162	S.N. 010-0163	S.N. 010-0164	S.N. 010-0165	S.N. 010-0172	S.N. 057-0008 NB	S.N. 057-0009 SB	S.N. 074-0060	S.N. 074-0066	S.N. 074-0035	S.N. 074-0036
COUNTY:				CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	MCLEAN	MCLEAN	PIATT	PIATT	PIATT	PIATT
				RURAL	RURAL	URBAN	RURAL	RURAL	URBAN	URBAN	RURAL	URBAN	RURAL	RURAL
FUNDING BREAKOUT:				90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL
				10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE
CONSTRUCTION TYPE CODE:				0047	0047	0047	0047	0047	0047	0047	0047	0047	0047	0047
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1.0	1.0										
Z0007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	L SUM	1.0		1.0									
Z0007103	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 3	L SUM	1.0			1.0								
Z0007104	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 4	L SUM	1.0				1.0							
Z0007105	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 5	L SUM	1.0					1.0						
Z0007106	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 6	L SUM	1.0						1.0					
Z0007107	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 7	L SUM	1.0							1.0				
Z0007108	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 8	L SUM	1.0								1.0			
Z0007109	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 9	L SUM	1.0									1.0		
Z0007110	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 10	L SUM	1.0										1.0	
Z0007111	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 11	L SUM	1.0											1.0

* DENOTES SPECIALTY ITEM

* CHAMPAIGN, MCLEAN & PIATT

MODEL: $MODELNAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570F43\CADData\CADsheets\D570F43-sht-SOQ.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

SUMMARY OF QUANTITIES

SCALE: | SHEET 3 OF 4 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	8
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

LOCATION OF WORK:	LOC. #1	LOC. #2	LOC. #3	LOC. #4	LOC. #5	LOC. #6	LOC. #7	LOC. #8	LOC. #9	LOC. #10	LOC. #11
	FAI 57	FAI 57	FAI 57	FAI 57	FAI 57	FAI 55 / 74	FAI 55 / 74	FAI 72	FAI 72	FAI 72	FAI 72
	S.N. 010-0162	S.N. 010-0163	S.N. 010-0164	S.N. 057-0165	S.N. 010-0172	S.N. 057-0008 NB	S.N. 057-0009 SB	S.N. 074-0060	S.N. 074-0066	S.N. 074-0035	S.N. 074-0036
COUNTY:	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	MCLEAN	MCLEAN	PIATT	PIATT	PIATT	PIATT
	RURAL	RURAL	URBAN	RURAL	RURAL	URBAN	URBAN	RURAL	URBAN	RURAL	RURAL
FUNDING BREAKOUT:	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL	90% FEDERAL
	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE
CONSTRUCTION TYPE CODE:	0047	0047	0047	0047	0047	0047	0047	0047	0047	0047	0047

	CODE NO.		ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
	Z0010501		CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1.0	1.0										
	Z0010502		CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1.0		1.0									
	Z0010503		CLEANING AND PAINTING STEEL BRIDGE NO. 3	L SUM	1.0			1.0								
	Z0010504		CLEANING AND PAINTING STEEL BRIDGE NO. 4	L SUM	1.0				1.0							
	Z0010505		CLEANING AND PAINTING STEEL BRIDGE NO. 5	L SUM	1.0					1.0						
	Z0010506		CLEANING AND PAINTING STEEL BRIDGE NO. 6	L SUM	1.0						1.0					
	Z0010507		CLEANING AND PAINTING STEEL BRIDGE NO. 7	L SUM	1.0							1.0				
	Z0010508		CLEANING AND PAINTING STEEL BRIDGE NO. 8	L SUM	1.0								1.0			
	Z0010509		CLEANING AND PAINTING STEEL BRIDGE NO. 9	L SUM	1.0									1.0		
	Z0010510		CLEANING AND PAINTING STEEL BRIDGE NO. 10	L SUM	1.0										1.0	
	Z0010511		CLEANING AND PAINTING STEEL BRIDGE NO. 11	L SUM	1.0											1.0
* DENOTES SPECIALTY ITEM																

* CHAMPAIGN, MCLEAN & PIATT

MODEL: sMODELNAME5
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USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	**STATE OF ILLINOIS**
	DRAWN -	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

SUMMARY OF QUANTITIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	9
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS	FED. AID PROJECT			

TRAFFIC CONTROL SUMMARY

Location	Structure	Direction	Stage	70100207 TC&P Std. 701402 Each	no pay item TC&P Std. 701400 not measured for payment included with 701402	70400100 Temp Conc Barrier Foot	70400200 Relocate Temp Conc Barrier Foot	70600250 Impact Atten Test Level 3 Each	70600350 Relocate Imp Att, TL 3 Each	70107025 Changeable Message Sign Cal Day	X2700001 Temp Rumble Strips Special Each	X0327271 T.C. for Rd. Closure Each
#1	010-0162	NB	I	1.0	on I-57 NB	300	-	1.0	-	0 - covered by 010-0172	4.0	-
		NB	II	1.0		-	300 **	-	1.0			-
	010-0162	SB	I	1.0	on I-57 SB	300	-	1.0	-	7 day advance notice	8.0	-
		SB	II	1.0		-	300 **	-	1.0			-
# 2	010-0163	NB	I	1.0	on I-57 NB	300	-	1.0	-	0 - covered by 010-0172	4.0	-
		NB	II	1.0		-	300 **	-	1.0			-
	010-0163	SB	I	1.0	on I-57 SB	300	-	1.0	-	0 - covered by 010-0162	4.0	-
		SB	II	1.0		-	300 **	-	1.0			-
# 3	010-0164	NB	I	1.0	on I-57 NB	300	-	1.0	-	0 - covered by 010-0172	4.0	-
		NB	II	1.0		-	300 **	-	1.0			-
	010-0164	SB	I	1.0	on I-57 SB	300	-	1.0	-	0 - covered by 010-0162	4.0	-
		SB	II	1.0		-	300 **	-	1.0			-
# 4	010-0165	NB	I	1.0	on I-57 NB	300	-	1.0	-	0 - covered by 010-0172	4.0	-
		NB	II	1.0		-	300 **	-	1.0			-
	010-0165	SB	I	1.0	on I-57 SB	300	-	1.0	-	0 - covered by 010-0162	4.0	-
		SB	II	1.0		-	300 **	-	1.0			-
# 5	010-0172	NB	I	1.0	on I-57 NB	300	-	1.0	-	7 day advance notice	8.0	-
		NB	II	1.0		-	300 **	-	1.0			-
	010-0172	SB	I	1.0	on I-57 SB	300	-	1.0	-	0 - covered by 010-0162	4.0	-
		SB	II	1.0		-	300 **	-	1.0			-
# 6	057-0008	NB		-	6 POINTS ROAD CLOSED	-	-	-	-	10 day advance notice	-	0.50*
# 7	057-0009	SB		-	6 POINTS ROAD CLOSED	-	-	-	-	10 day advance notice	-	0.50*
# 8	074-0060	EB	I	1.0	on I-72 EB	300	-	1.0	-	7 day advance notice	8.0	-
		EB	II	1.0		-	300 **	-	1.0			-
	074-0060	WB	I	1.0	on I-72 WB	300	-	1.0	-	0 - covered by 074-0036	8.0	-
		WB	II	1.0		-	300 **	-	1.0			-
#9	074-0066	EB	I	1.0	on I-72 EB	300	-	1.0	-	0 - covered by 074-0060	8.0	
		EB	II	1.0			300 **		1.0			
	074-0066	WB	I	1.0	on I-72 WB	300		1.0		0 - covered by 074-0036	4.0	
		WB	II	1.0			300 **		1.0			
#10	074-0035	EB	I	1.0	on - I-72 EB	300	-	1.0	-	0 - covered by 074-0060	4.0	
		EB	II	1.0		-	300 **	-	1.0			
	074-0035	WB	I	1.0	on - I-72 WB	300	-	1.0	-	0 - covered by 074-0036	4.0	
		WB	II	1.0		-	300 **	-	1.0			
#11	074-0036	EB	I	1.0	on - I-72 EB	300		1.0		0 - covered by 074-0060	4.0	-
		EB	II	1.0		-	300 **	-	1.0			
	074-0036	WB	I	1.0	on I-72 WB	300	-	1.0	-	7 day advance notice	8.0	-
		WB	II	1.0		-	300 **	-	1.0			
			TOTALS	36 Each		5400	5400	18.0	18.0	48 Cal Day	96.0	1.0 Each

* Work includes providing the road closure as detailed in the Plans and Special Provisions

** Exact location of the Temp Conc Barrier to be determined by the Engineer. In most cases Temp Conc Barrier will be placed to split centerline. In most cases, it is anticipated that when switching from Stage I to Stage II, only the 150' taper will need to be relocated, unless field conditions such as diaphragm locations or maintaining a minimum width of 18 feet between pinch points (barrier to pier) dictate otherwise.

* CHAMPAIGN, MCLEAN & PIATT

MODEL: $MODELNAME$
FILE NAME: z:\Wide-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D570f43\CADData\CADsheets\D570f43-cnt-Scheduled.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SUMMARY

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	10
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS	FED. AID PROJECT			

LOCATION #1

DESCRIPTION:	CR 3200N over I-57 @ m.p.252.6
COUNTY:	CHAMPAIGN
ROUTE:	F.A.I. 57
MARKED ROUTE:	I-57
SECTION:	10-37HB-1
STRUCTURE NO.:	010-0162
TYPE OF STRUCTURE:	4 SPAN CONTINUOUS STEEL
	4 BEAM LINES - BEAM LENGTH ABUT.- ABUT. = 225.25'

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTNG SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U THE COLOR OF THE FINAL FINISH COAT FOR ALL STEEL SURFACES SHALL BE GREY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).

A MINIMUM OF ONE (1) HIGH VOLUME AIR MONITOR WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

NOTE: DECK DRAINS WITHIN THE PAINTING LIMITS DESCRIBED ABOVE ARE TO BE PAINTED AT NO ADDITIONAL COST.

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE

LOCATION #2

DESCRIPTION:	CR 3100N over I-57 @ m.p.251.4
COUNTY:	CHAMPAIGN
ROUTE:	F.A.I. 57
MARKED ROUTE:	I-57
SECTION:	10-37HB
STRUCTURE NO.:	010-0163
TYPE OF STRUCTURE:	4 SPAN CONTINUOUS STEEL
	4 BEAM LINES - BEAM LENGTH ABUT.- ABUT. = 225.25'

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTNG SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL STEEL SURFACES SHALL BE GREY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8)

A MINIMUM OF TWO (2) HIGH VOLUME AIR MONITORS WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

NOTE: DECK DRAINS WITHIN THE PAINTING LIMITS DESCRIBED ABOVE ARE TO BE PAINTED AT NO ADDITIONAL COST.

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE

* CHAMPAIGN, MCLEAN & PIATT

MODEL: $MODELNAME$
FILE NAME: z:\Wide-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D570F43\CADData\CADsheets\D570f43-cnt-Schedules.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DESCRIPTION OF WORK

SCALE: | SHEET 1 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	11
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
	ILLINOIS FED. AID PROJECT			

LOCATION #3

DESCRIPTION: CR 2900N over I-57 @ m.p. 249.3
COUNTY: CHAMPAIGN
ROUTE: F.A.I. 57
MARKED ROUTE: I-57
SECTION: 10-36HB-2
STRUCTURE NO.: 010-0164
TYPE OF STRUCTURE: 4 SPAN CONTINUOUS STEEL
5 BEAM LINES - BEAM LENGTH ABUT.- ABUT. = 218.50'

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTNG SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL STEEL SURFACES SHALL BE GREY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).

A MINIMUM OF ONE (1) HIGH VOLUME AIR MONITOR WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

NOTE: DECK DRAINS WITHIN THE PAINTING LIMITS DESCRIBED ABOVE ARE TO BE PAINTED AT NO ADDITIONAL COST.

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE

TC&P STD 701428 REQUIRED FOR SET-UP & REMOVAL OF TRAFFIC CONTROL AT THIS LOCATION (SEE SPECIAL PROVISIONS)

LOCATION #4

DESCRIPTION: C.R. 2700N over I-57 @ m.p. 247.2
COUNTY: CHAMPAIGN
ROUTE: F.A.I. 57
MARKED ROUTE: I-57
SECTION: 10-36HB
STRUCTURE NO.: 010-0165
TYPE OF STRUCTURE: 4 SPAN CONTINUOUS STEEL
5 BEAM LINES - BEAM LENGTH ABUT.- ABUT. = 229.42'

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTNG SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL STEEL SURFACES SHALL BE GREY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8)

A MINIMUM OF ONE (1) HIGH VOLUME AIR MONITOR WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

NOTE DECK DRAINS WITHIN THE PAINTING LIMITS DESCRIBED ABOVE ARE TO BE PAINTED AT NO ADDITIONAL COST.

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE

TC&P STD 701428 REQUIRED FOR SET-UP & REMOVAL OF TRAFFIC CONTROL AT THIS LOCATION (SEE SPECIAL PROVISIONS)

* CHAMPAIGN, MCLEAN & PIATT

MODEL: $MODELNAME$
FILE NAME: z:\Wide-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D570F43\CADData\CADsheets\D570f43-cnt-Scheduleс.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DESCRIPTION OF WORK

SCALE: | SHEET 2 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	12
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
	ILLINOIS FED. AID PROJECT			

LOCATION #5

DESCRIPTION:	C.R. 1300E over I-57 @ m.p. 242.5
COUNTY:	CHAMPAIGN
ROUTE:	F.A.I. 57
MARKED ROUTE:	I-57
SECTION:	10-35HB
STRUCTURE NO.:	010-0172
TYPE OF STRUCTURE:	4 SPAN CONTINUOUS STEEL 5 BEAM LINES - BEAM LENGTH ABUT.- ABUT. = 345.50'

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTNG SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL STEEL SURFACES SHALL BE GREY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).

A MINIMUM OF ONE (1) HIGH VOLUME AIR MONITOR WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

NOTE: DECK DRAINS WITHIN THE PAINTING LIMITS DESCRIBED ABOVE ARE TO BE PAINTED AT NO ADDITIONAL COST.

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE

TC&P STD 701428 REQUIRED FOR SET-UP & REMOVAL OF TRAFFIC CONTROL AT THIS LOCATION (SEE SPECIAL PROVISIONS)

MODEL: $MODELNAME$
FILE NAME: z:\Wide-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D570F43\CADData\CADsheets\D570f43-cnt-Schedules.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DESCRIPTION OF WORK

SCALE: | SHEET 3 OF 6 SHEETS | STA. | TO STA.

* CHAMPAIGN, MCLEAN & PIATT

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	13
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
	ILLINOIS FED. AID PROJECT			

LOCATION #6

DESCRIPTION:	I-55/I-74 NB @ mp 157.9 over 6 POINTS Rd FAU 6369
COUNTY:	MCLEAN
ROUTE:	I-55/I-74 NB
MARKED ROUTE:	I-55/I-74 NB
SECTION:	57-6HB-3
STRUCTURE NO.:	057-0008 NB
TYPE OF STRUCTURE:	3 SPAN CONTINUOUS STEEL
	10 BEAM LINES - BEAM LENGTH ABUT. - ABUT. = 126.59'

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTNG SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL STEEL SURFACES SHALL BE GREY, MUNSELL NO. 5B 7/1.

A MINIMUM OF TWO (2) HIGH VOLUME AIR MONITORS WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

NOTE: DECK DRAINS WITHIN THE PAINTING LIMITS DESCRIBED ABOVE ARE TO BE PAINTED AT NO ADDITIONAL COST.

NOTE: ELASTOMERIC BEARINGS

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE

LOCATION #7

DESCRIPTION:	I-55/I-74 SB @ mp 157.9 over 6 POINTS Rd FAU 6369
COUNTY:	MCLEAN
ROUTE:	I-55/I-74 SB
MARKED ROUTE:	I-55/I-74 SB
SECTION:	57-6HB-3
STRUCTURE NO.:	057-0009 SB
TYPE OF STRUCTURE:	3 SPAN CONTINUOUS STEEL
	10 BEAM LINES - BEAM LENGTH ABUT. - ABUT. = 126.59'

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTNG SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL STEEL SURFACES SHALL BE GREY, MUNSELL NO. 5B 7/1.

A MINIMUM OF TWO (2) HIGH VOLUME AIR MONITORS WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

NOTE DECK DRAINS WITHIN THE PAINTING LIMITS DESCRIBED ABOVE ARE TO BE PAINTED AT NO ADDITIONAL COST.

NOTE: ELASTOMERIC BEARINGS

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE

MODEL: $MODELNAME$
FILE NAME: z:\Wide-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D570F43\CADData\CADsheets\D570f43-cnt-Scheedules.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DESCRIPTION OF WORK

SCALE: | SHEET 4 OF 6 SHEETS | STA. | TO STA.

* CHAMPAIGN, MCLEAN & PIATT

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	14
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
	ILLINOIS FED. AID PROJECT			

LOCATION #8

DESCRIPTION: North 300 East Rd. over I-72 @ m.p. 159.0
COUNTY: PIATT
ROUTE: F.A.I. 72
MARKED ROUTE: I-72
SECTION: 74-67HB-2
STRUCTURE NO.: 074-0060
TYPE OF STRUCTURE: 2 SPAN CONTINUOUS STEEL
4 BEAM LINES - BEAM LENGTH ABUT.- ABUT. = 219.08'

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTNG SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL STEEL SURFACES SHALL BE GREY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).

A MINIMUM OF ONE (1) HIGH VOLUME AIR MONITOR WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

NOTE: DECK DRAINS WITHIN THE PAINTING LIMITS DESCRIBED ABOVE ARE TO BE PAINTED AT NO ADDITIONAL COST.

NOTE: ELASTOMERIC BEARINGS @ ABUTMENTS

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE

LOCATION #9

DESCRIPTION: COUNTY FARM RD. over I-72 @ m.p. 164.8
COUNTY: PIATT
ROUTE: F.A.I. 72
MARKED ROUTE: I-72
SECTION: 74-68HB-2
STRUCTURE NO.: 074-0066
TYPE OF STRUCTURE: 2 SPAN CONTINUOUS STEEL
4 BEAM LINES - BEAM LENGTH ABUT.- ABUT. = 307.42'

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTNG SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL STEEL SURFACES SHALL BE GREY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8)

A MINIMUM OF ONE (1) HIGH VOLUME AIR MONITOR WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

NOTE: DECK DRAINS WITHIN THE PAINTING LIMITS DESCRIBED ABOVE ARE TO BE PAINTED AT NO ADDITIONAL COST.

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE

* CHAMPAIGN, MCLEAN & PIATT

MODEL: $MODELNAME$
FILE NAME: z:\Wide-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D570F43\CADData\CADsheets\D570f43-cnt-Schedules.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DESCRIPTION OF WORK

SCALE: | SHEET 5 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	15
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
	ILLINOIS FED. AID PROJECT			

LOCATION #10

DESCRIPTION:	E 1900 North Rd.over I-72 @ m.p. 167.8
COUNTY:	PIATT
ROUTE:	F.A.I. 72
MARKED ROUTE:	I-72
SECTION:	74-69HB-1
STRUCTURE NO.:	074-0035
TYPE OF STRUCTURE:	4 SPAN CONTINUOUS STEEL
	4 BEAM LINES - BEAM LENGTH ABUT.- ABUT. = 220.50'

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTNG SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL STEEL SURFACES SHALL BE GREY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).

A MINIMUM OF TWO (2) HIGH VOLUME AIR MONITORS WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

NOTE: DECK DRAINS WITHIN THE PAINTING LIMITS DESCRIBED ABOVE ARE TO BE PAINTED AT NO ADDITIONAL COST.

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE

LOCATION #11

DESCRIPTION:	CR 1275E over I-72 @ m.p. 170.4
COUNTY:	PIATT
ROUTE:	F.A.I. 72
MARKED ROUTE:	I-72
SECTION:	74-69HB-3
STRUCTURE NO.:	074-0036
TYPE OF STRUCTURE:	4 SPAN CONTINUOUS STEEL
	4 BEAM LINES - BEAM LENGTH ABUT.- ABUT. = 230.42'

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTNG SSPC-SP10.

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A MINIMUM OF ONE (1) HIGH VOLUME AIR MONITOR WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

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NOTE: DECK DRAINS WITHIN THE PAINTING LIMITS DESCRIBED ABOVE ARE TO BE PAINTED AT NO ADDITIONAL COST.

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE

* CHAMPAIGN, MCLEAN & PIATT

MODEL: $MODELNAME$
FILE NAME: p:\Wide-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D570F43\CADData\CADsheets\D570f43-cnt-Scheudule_dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DESCRIPTION OF WORK

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

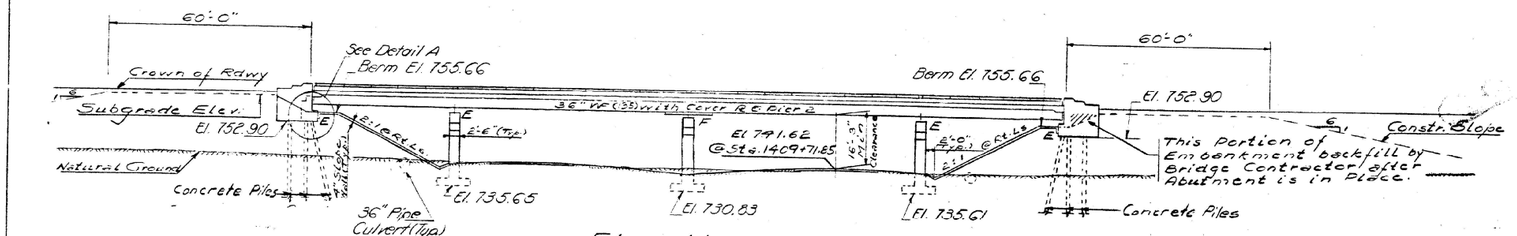
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	16
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
	ILLINOIS FED. AID PROJECT			

B.M. Nail and Bottle cap in Power pole 2' Lt
Station 1409+26 (Elevation = 740.70)

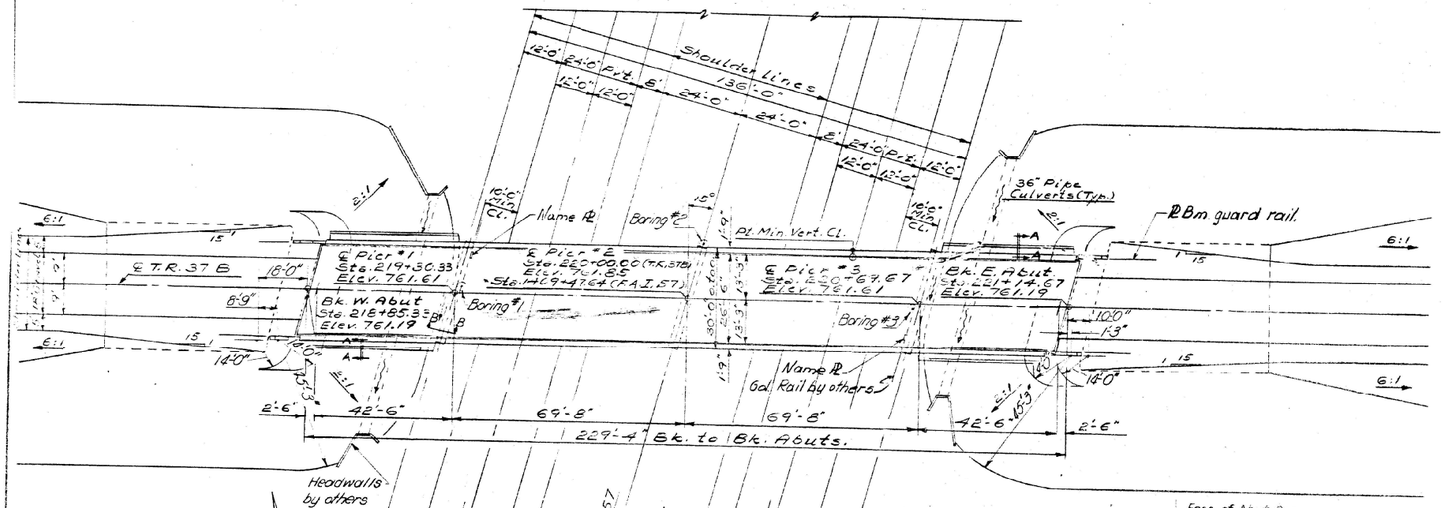
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

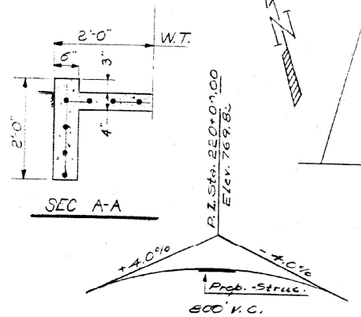
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. + I 57	10-37 HB-1	CHAMPAIGN	36	10
FED. ROAD DIST. NO. 7	ILLINOIS	PROJ. AID PROJECT: I-IG-57-5(64)250		

SHEET NO. 1
10 SHEETS

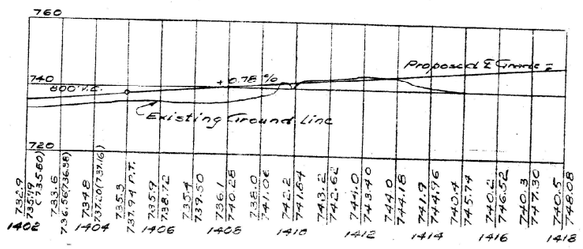


Elevation





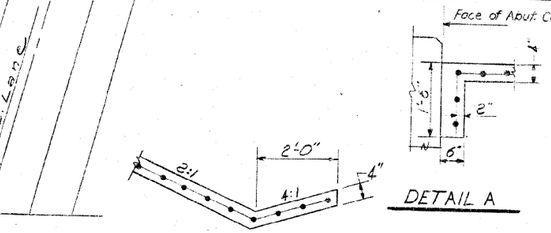
Proposed Profile T.R. 37 B.



Proposed Profile F.A.I. 57

DESIGNED	Gary S. Clutts
CHECKED	Azhar Ali
DRAWN	G.R.
CHECKED	A.A

APRIL 18 1966
EXAMINED — ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED
APPROVED — ENGINEER OF DESIGN
CHIEF HIGHWAY ENGINEER



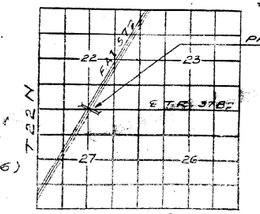
DETAIL A

SEC. B-B

STATION 1409+47.64
BUILT 136 BY
STATE OF ILLINOIS
F.A.I. RT. 57 SEC. 10-37 HB-1
F.A. PROJ. I-IG-57-5 (64)
LOADING HS 15

NAME PLATE
See Std. 2113-1

Design Stresses
f_s = 1400 psi Super & Sub.
f_c = 675 psi Pigs & Wing Walls
f_p = 20,000 psi Reinf.
f_s = 20,000 psi Struct. (A-36)
n = 10
Max. Ftg. Pressure = 2 T.S.F.
Deflection = $\frac{L}{1000}$
Loading: HS 15-44



Location Sketch

GENERAL NOTES

Coarse aggregate to be used in parapet handrails and wingwalls must be free of chert, flint, limonite lignite & soft sandstone.

The concrete floor slab shall be finished in accordance with Article 51.19 of Standard Specifications.

Slope wall shall be reinforced with welded wire fabric 6"x6" mesh, weighing 58 #/100 sq.ft.

All reinforcement bars shall be lapped 20 dia. unless otherwise shown.

Rivets $\frac{3}{4}$"ø, Open Holes $\frac{13}{16}$"ø, unless otherwise shown.

Anchor Bolts shall be set before fastening diaphragms over supports.

The exposed surfaces of the Expansion guards shall be given two shop coats of red lead paint, the contact surfaces shall be given one coat of red lead paint. Anchor studs shall not be painted.

Expansion guards are included in the quantity of Structural Steel. Est. Weight 760 lbs.

Except as otherwise provided, all Structural Steel shall receive one shop coat of red lead paint and two field coats of paint. See Special Provisions for field painting.

All Structural Steel shall conform to A.S.T.M. Specification A-36.

Excavation for portions of structures in the embankments shall not be classified.

The Contractor shall drive one concrete test pile in a permanent location at the East Abut. as directed by the Engineer, before ordering the remaining piles.

Concrete piles at abuts. shall be driven in holes precored through the embankment in accordance with Article 60.9(c) of the Standard Specifications.

Field welding of construction accessories to beams or girders will not be permitted on the bottom flanges and for a distance of ¼ of the span each way from pier supports on top flanges. Field welding in others will be permitted only when approved by the Engineer.

Permanent forms will not be permitted in forming the concrete floor.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Class "A" Exc. for Structures	Cu. Yds.		300	300
Class X Concrete	Cu. Yds.	198.7	215.7	414.4
* Protective Coat	Sq. Yds.	860		860
Structural Steel	Lbs.	150,660		150,660
Aluminum Handrail	Lin. Ft.	452		452
Reinforcement Bars	Lbs.	53,430	20,290	73,720
Concrete Piles	Lin. Ft.		663	663
Test Piles (concrete)	Each		1	1
Name Plates	Each		2	2
Slope Wall	Sq. Yds.		36.7	36.7

* Includes use on inside vertical face, top & exposed end of abut. wings.

Proposed Structure

General Plan & Elevation
Project: I-IG-57-5(64)250
F.A.I. Rt. 57 - Section 10-37HB-1
Champaign Co.
Sta. 1409+47.64 (F.A.I. 57)
Sta. 220+00.00 (T.R. 37B)

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #1 S.N. 010-0162

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	17
** D5 BRIDGE PAINTING 2023-1			CONTRACT NO. 70F43	
		ILLINOIS	FED. AID PROJECT	

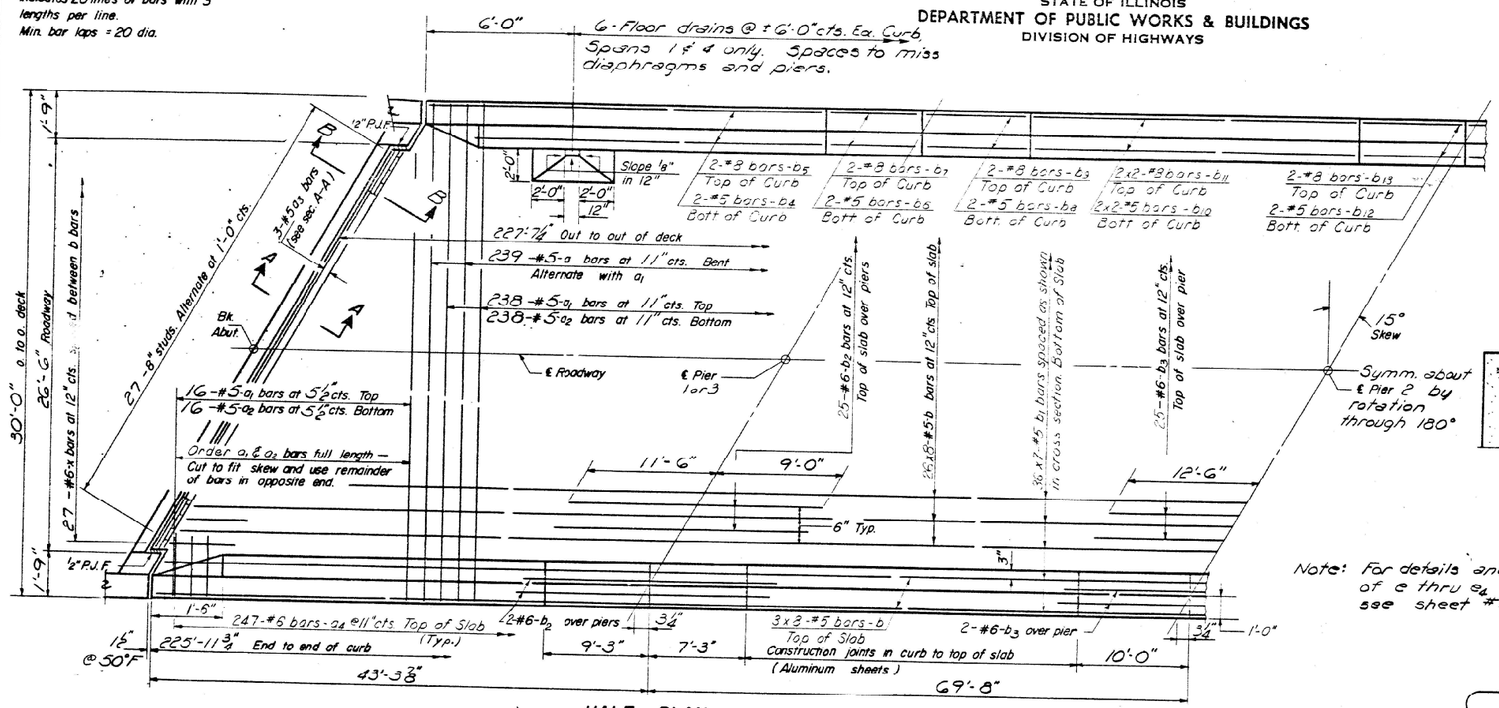
MODEL: $MODELNAME
FILE NAME: pw:\\dot-pw.bentley.com:PWDOT-Documents\\DOT Offices\\District 5\Projects\D570F43\CADData\CADsheets\D570F73-sht-As_Built.dgn

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

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

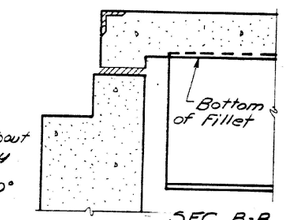
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 57	10-37 HB-1	CHAMPAIGN	36	11
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT.		

SHEET NO. 2
10 SHEETS

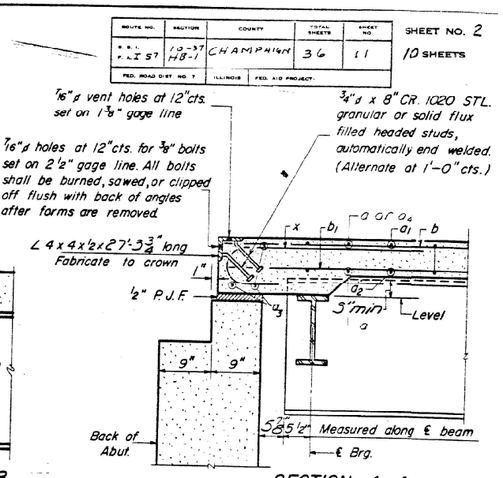


HALF PLAN

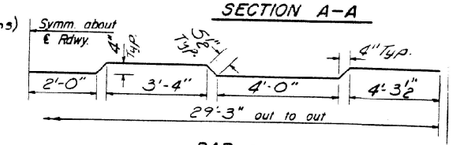
Note: For details and spacings of e thru e4 and d thru d2 see sheet #4.



SEC. B-B
(Outside of Exterior Bms)



SECTION A-A

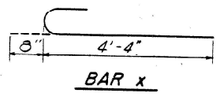


BAR a

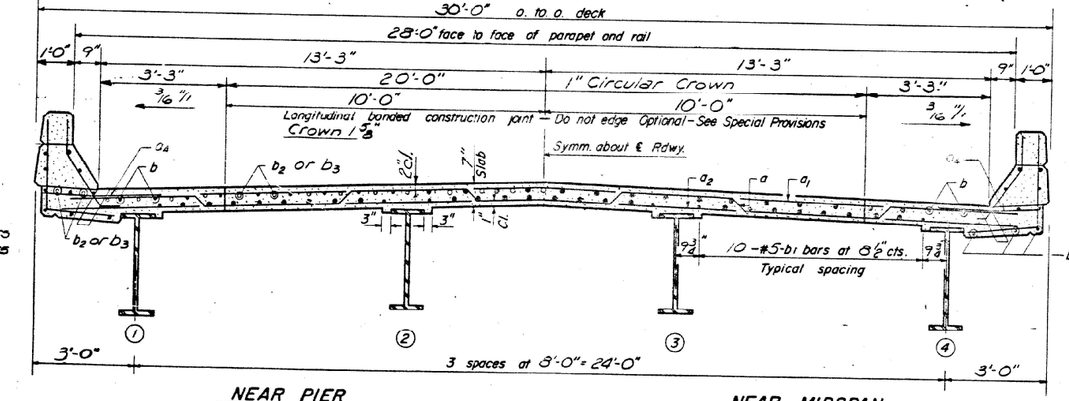
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	239	#5	30'-0"	
a1	254	#5	27'-3"	
a2	254	#5	29'-0"	
a3	6	#5	27'-0"	
a4	494	#6	4'-0"	
b	256	#5	29'-6"	
b1	252	#5	33'-6"	
b2	58	#6	20'-6"	
b3	29	#6	25'-0"	
b4	3	#5	33'-9"	
b5	8	#8	33'-9"	
b6	8	#5	9'-0"	
b7	8	#3	9'-0"	
b8	8	#5	7'-0"	
b9	8	#8	7'-0"	
b10	16	#5	26'-9"	
b11	16	#8	27'-3"	
b12	8	#5	9'-9"	
b13	8	#8	9'-9"	
d	452	#4	4'-7"	
d1	448	#5	3'-5"	
d2	96	#4	2'-1"	
x	54	#6	5'-0"	
Class X Concrete		Cu Yd.	193.7	
* Structural Steel		Lbs.	150,650	
Reinforcement Bars		Lbs.	53,430	

* Weight of bearing assemblies with lead plates and anchor bolts are included as structural steel. Est. Wt. = 5980 lbs.

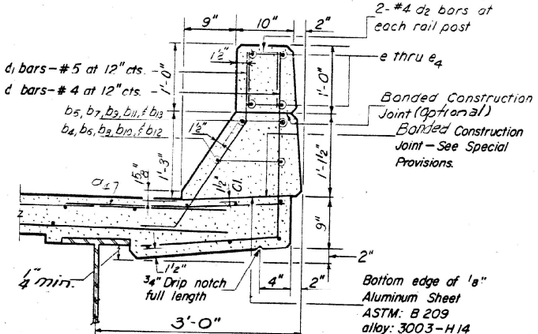


BAR x



NEAR PIER

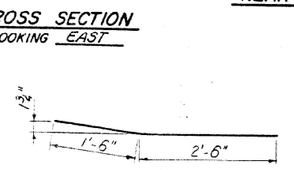
NEAR MIDSPAN



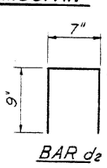
CURB SECTION

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

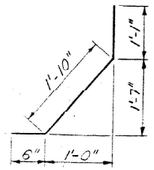
CROSS SECTION
LOOKING EAST



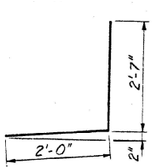
BAR a4



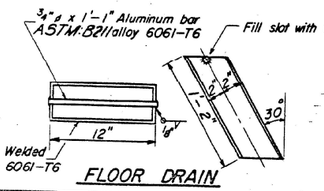
BAR d2



BAR d1



BAR d



FLOOR DRAIN

DESIGNED	Danny J. Eglin
CHECKED	Azhar Ali
	J. Schneller B.S.E.
DRAWN	G.R. D.L. Beemer
CHECKED	A.A.

EXAMINED April 18 1966
PASSED W. J. Arbes
APPROVED T. E. Hess

I-4-L (>14°) 8-1-65

SUPERSTRUCTURE
F.A.I RT. 57 SEC. 10-37HB-1
CHAMPAIGN COUNTY
STA. 1409+47.64

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #1 S.N. 010-0162

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	18
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
	ILLINOIS	FED. AID PROJECT		

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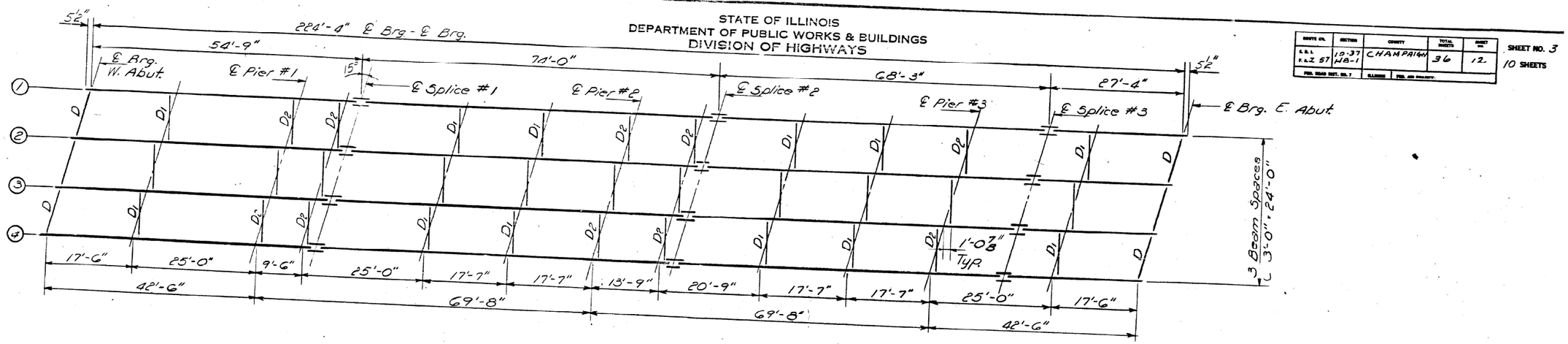
FILE NAME: z:\Wide-pw.bentley.com\PWIDOT\Documents\IDOT Offices\District 5\Project\D570F43\CADData\CADSheets\D570F73-cht-AS_Built5.dgn

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

ROUTE SN.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. R.T. 57	10-37 HB-1	CHAMPAIGN	36	12.
DIST. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

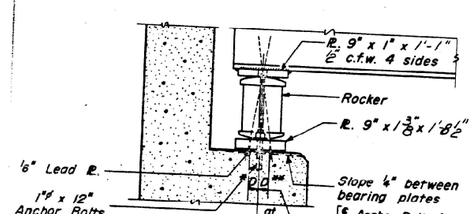
SHEET NO. 3
10 SHEETS



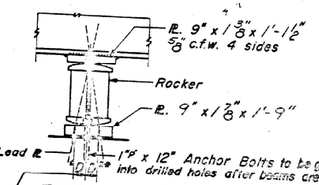
FRAMING PLAN (All beams are 36 WF 135)

ELEVATIONS TOP OF 36WF135

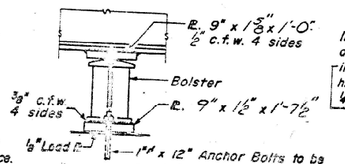
	℄ Brg W. Ab.	℄ Pier 1	℄ Splice 1	℄ Pier 2	℄ Splice 2	℄ Pier 3	℄ Splice 3	℄ Brg E. Ab.
Beam 1	760.49	760.82	760.91	761.03	761.07	760.78	760.70	760.49
Beam 2	760.60	760.93	761.02	761.14	761.18	760.89	760.81	760.60
Beam 3	760.60	760.93	761.02	761.14	761.18	760.89	760.81	760.60
Beam 4	760.49	760.82	760.91	761.03	761.07	760.78	760.70	760.49



SECTION AT ABUTMENTS

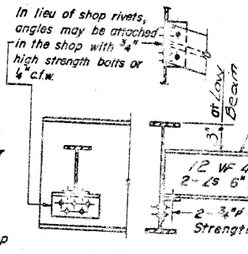


PIERS 1 & 3 D** = Fixed Pier

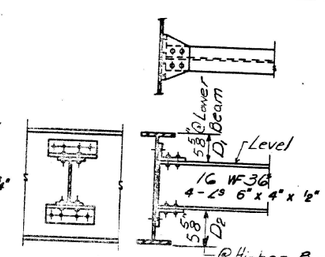


PIER 2

In lieu of shop rivets, angles may be attached in the shop with ¾" high strength bolts or ¼" c.f.w.



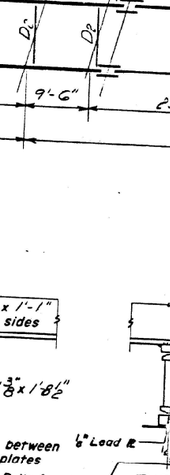
DIAPHRAGM D
6 Required



DIAPHRAGMS D1 & D2
18 D1 Required
15 D2 Required

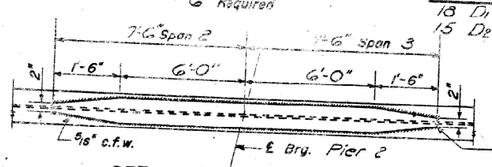
PLAN

PLAN

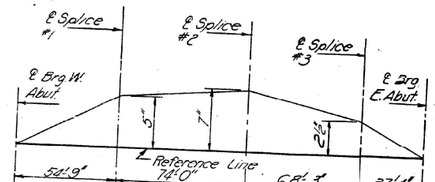


DETAIL OF PINTLE

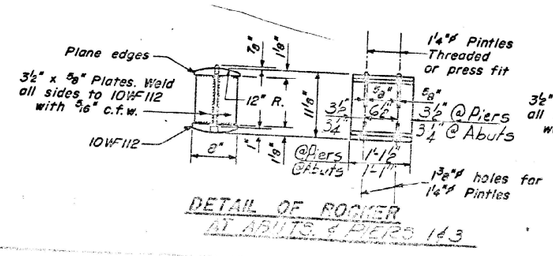
PLAN



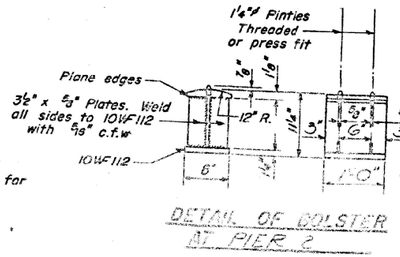
DETAIL OF COVER PLATE



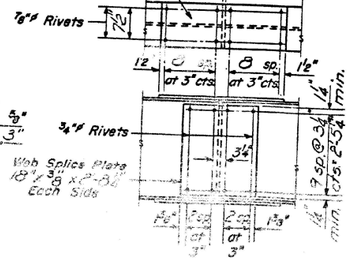
FABRICATION DIAGRAM (ALL BEAMS)



DETAIL OF ROCKER AT ABUTS. & PIERS 1 & 3



DETAIL OF ROCKER AT PIER 2



DETAIL OF SPLICE

DESIGNED Dave J. Schuster
CHECKED Azhar Ali
DRAWN J.C. J. SCHNELLER JTD
CHECKED A.A.

EXAMINED April 18 1962
PASSED
APPROVED

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

STRUCTURAL STEEL
F.A.I. RT. 57 SEC. 10-37HB-1
CHAMPAIGN COUNTY
STA. 1409+47.64

* CHAMPAIGN, MCLEAN & PIATT

MODEL: $MODELNAMES
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USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #1 S.N. 010-0162

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

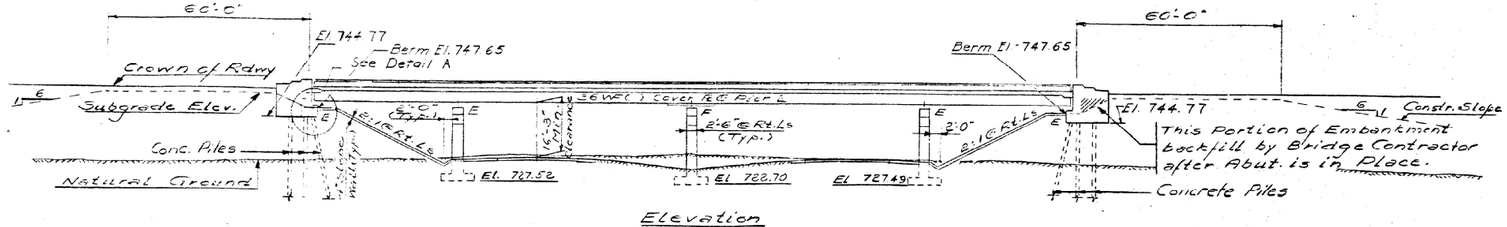
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	19
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS	FED. AID PROJECT			

B.M.: Railroad spike in Power Pole 250' Lt. Sta 1345+24 (Elevation = 731.28)

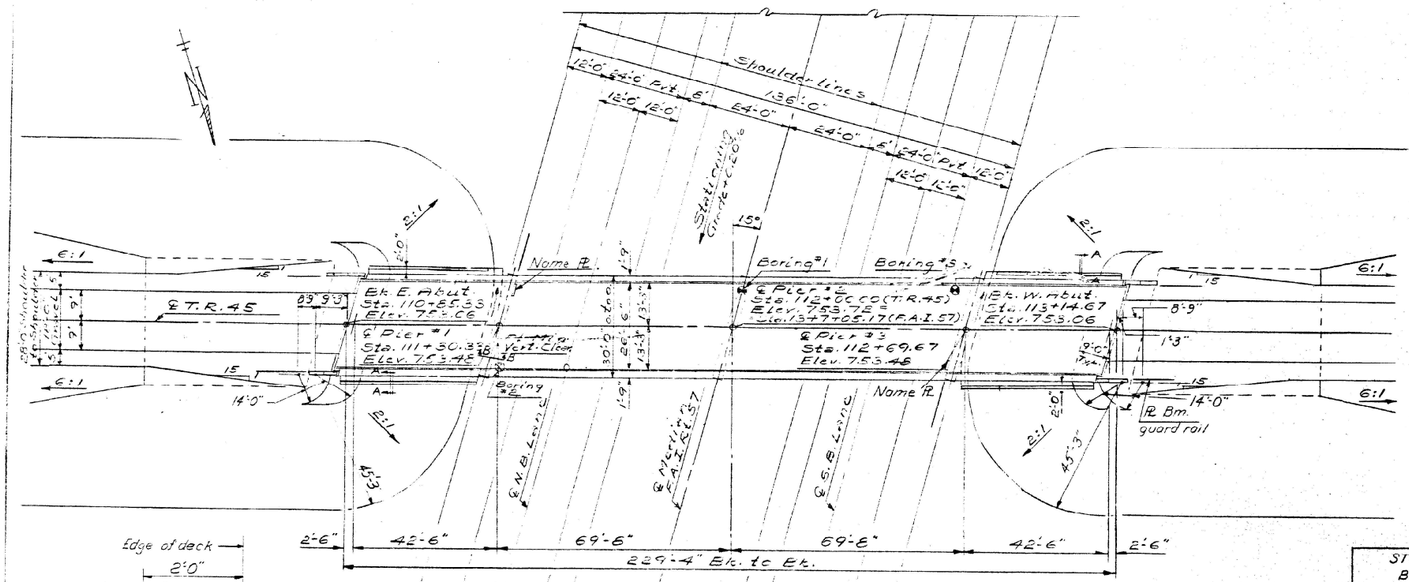
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. F.A.I. 57	10-37 HB	Champaign	51	15
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT: I-IG-57-5(64)250		

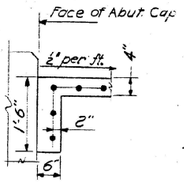
SHEET NO. 1
10 SHEETS



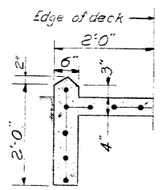
Elevation



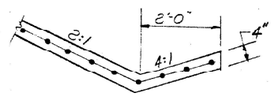
Plan



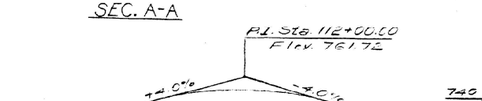
DETAIL A



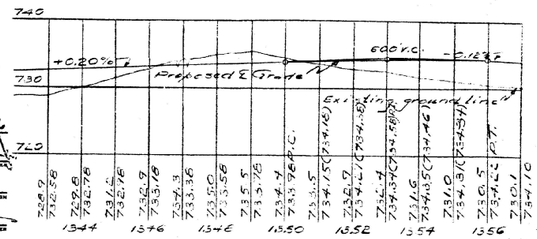
SEC. A-A



SEC. B-B



Proposed Profile T.R. 45



Proposed Profile F.A.I. 57

STATION 1347+05.17
BUILT 196 BY
STATE OF ILLINOIS
F.A.I. RT. 57 SEC. 10-37 HB
F.A. PROJ. I-IG-57-5(64)
LOADING HS 15

NAME PLATE
See Std. 2113-1

GENERAL NOTES

Coarse aggregate to be used in parapet handrails and wingwalls must be free of chert, flint, limonite, lignite and soft sandstone.

The concrete floor shall be finished in accordance with Article 51.19 of the Standard Specifications.

Slope wall shall be reinforced with welded wire fabric 6"X6" mesh weighing 58#/100 sq.ft.

All reinforcement bars shall be lapped 20 dia. unless otherwise shown.

Rivets 3/4" ø, Open Holes 13/16" ø, unless otherwise shown.

Anchor Bolts shall be set before fastening diaphragms over supports.

The exposed surfaces of the Expansion guards shall be given two shop coats of red lead paint, the contact surfaces shall be given one coat of red lead paint. Anchor studs shall not be painted.

Expansion guards are included in the quantity of structural steel. Est. Weight = 800 lbs.

Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and Two field coats of paint. See Special Provisions for field paint.

All Structural Steel shall conform to A.S.T.M. Specification A-36.

Excavation for portions of structures in the embankments shall not be classified.

The Contractor shall drive one concrete test pile in a permanent location at the West Abut. as directed by the Engineer, before ordering the remaining piles.

Concrete piles at abuts. shall be driven in holes precored through the embankment in accordance with Article 60.9(c) of Standard Specifications.

Permanent forms will not be permitted in forming the concrete deck.

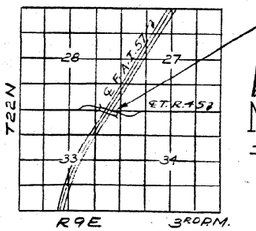
Field welding of construction accessories to beams or Girders will not be permitted on the bottom flanges and for a distance of 1/4 of the span each way from pier supports on top flanges. Field welding in other areas will be permitted only when approved by the Engineer.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Class "A" Exc. For Structures	Cu. Yds.		320	326
Class X Concrete	Cu. Yds.	198.8	215.4	414.2
*Protective Coat	Sq. Yds.	860		860
Structural Steel	Lbs.	150,700		150,700
Aluminum Handrail	Lin.Ft.	452		452
Reinforcement Bars	Lbs.	53,800	20,270	74,070
Concrete Piles	Lin.Ft.		598	598
Test Piles (Concrete)	Each		1	1
Name Plates	Each		2	2
Slope Wall	Sq.Yds.			367

* Includes use on inside vertical face, top & exposed end of abut. wings.

Design Stresses
f_c = 1400 psi Super & Sub.
v_c = 75 psi Ftgs & Wing Walls
f_s = 20000 psi Reinf.
f_s = 20000 psi Struct. (A-36)
n = 10
Δ Deflection = L/1000
Loading: HS 15-44



Location Sketch

DESIGNED	Ashwar Ali	
CHECKED	Fanning & Chidester	
DRAWN	S.A.	A.A
CHECKED	S.A.C.	

EXAMINED — APRIL 14 1966 — DIVISION OF BRIDGE AND TRAFFIC STRUCTURES
PASSED — ENGINEER OF DESIGN
APPROVED — CHIEF HIGHWAY ENGINEER

General Plan & Elevation

Project: I-IG-57-5(64)250

F.A.I. Rt. 57 Section 10-37HB

Champaign Co.

Sta. 1347+05.17 (FAI 57)

Sta. 112+00.00 (T.R. 45)

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #2 S.N. 010-0163

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	20
** DS BRIDGE PAINTING 2023-1			CONTRACT NO. 70F43	
		ILLINOIS	FED. AID PROJECT	

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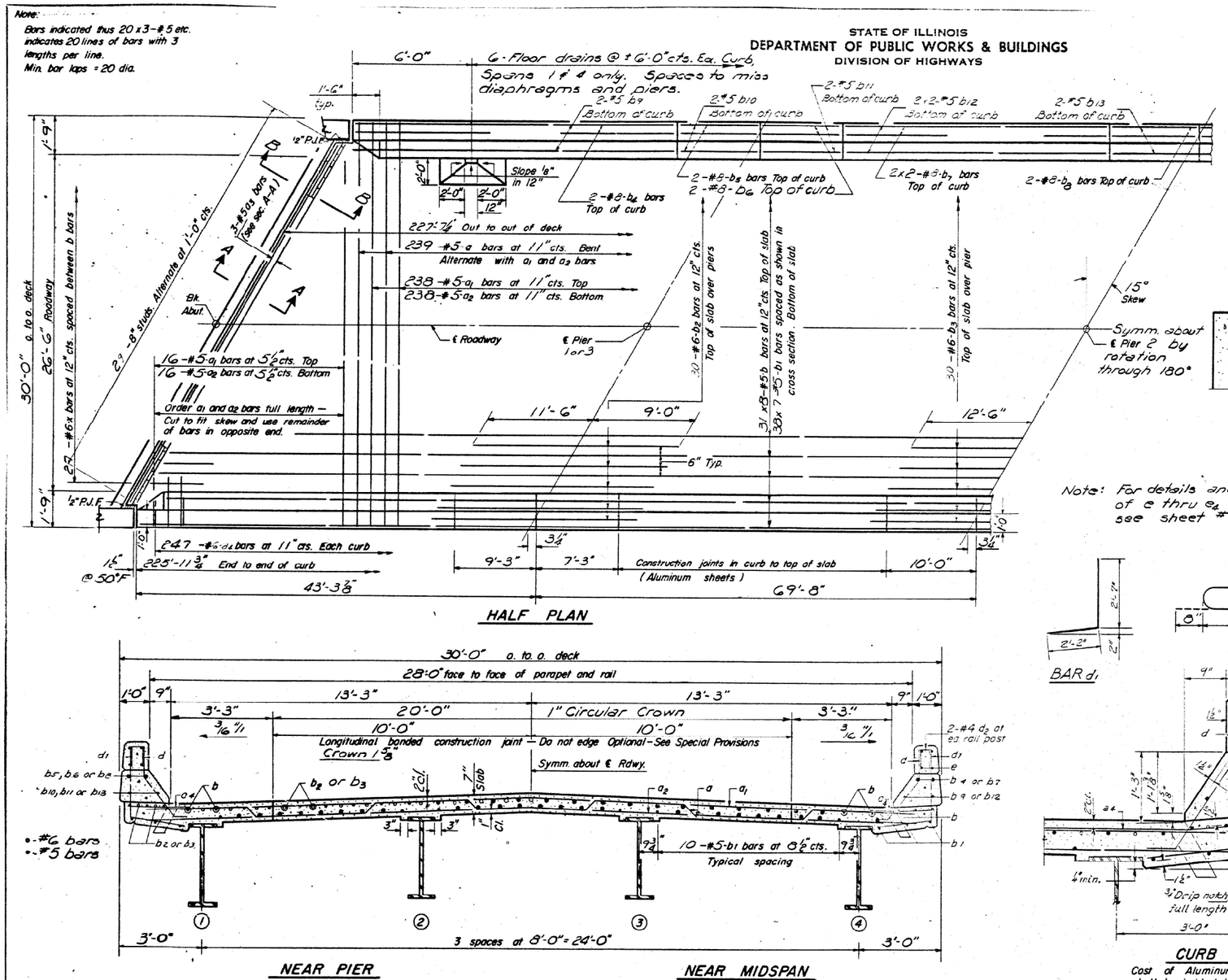
Note:
Bars indicated thus 20 x 3 - #5 etc. indicates 20 lines of bars with 3 lengths per line.
Min. bar laps = 20 dia.

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 57	10-37 HB	Champaign	51	16
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT:		

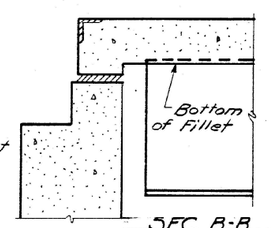
SHEET NO. 2
10 SHEETS



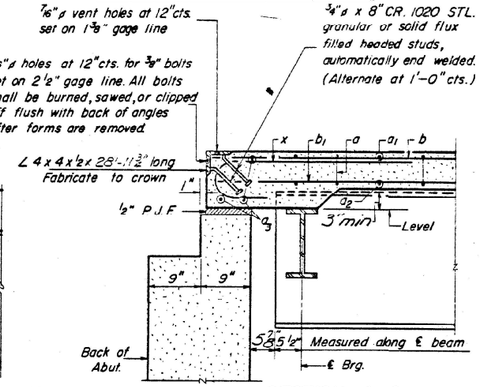
HALF PLAN

NEAR PIER — NEAR MIDSPAN

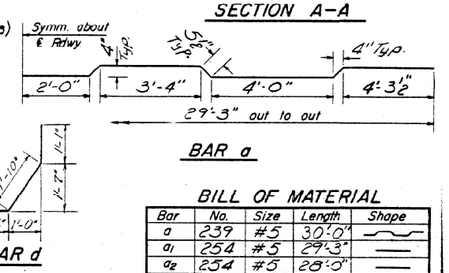
CROSS SECTION
LOOKING WEST



SEC. B-B
(Outside of Exterior Bms)



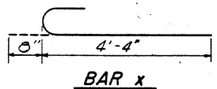
SECTION A-A



BAR a

Note: For details and spacings of c thru e4 and d see sheet #4.

BAR d1



BAR x

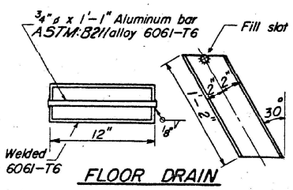
BAR d

CURB SECTION



BAR a4

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



FLOOR DRAIN

Bonded Construction Jt. (Mandatory)

1/8" Aluminum Sheet ASTM B 209 alloy 3003-H14

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	239	#5	30'-0"	
a1	254	#5	29'-3"	
a2	254	#5	28'-0"	
a3	6	#5	27'-0"	
a4	494	#6	4'-0"	
b	243	#5	29'-6"	
b1	266	#5	33'-6"	
b2	60	#6	20'-6"	
b3	30	#6	25'-0"	
b4	8	#8	33'-9"	
b5	8	#8	9'-0"	
b6	8	#8	7'-0"	
b7	16	#8	27'-3	
b8	8	#8	9'-9"	
b9	8	#5	32'-3"	
b10	8	#5	9'-0"	
b11	8	#5	7'-0"	
b12	16	#5	26'-9"	
b13	8	#5	9'-9"	
d	448	#5	3'-5"	J
d1	452	#4	4'-9"	L
d2	96	#4	2'-1"	U
x	54	#6	5'-0"	C
Reinforcement Bars			Lbs.	53,800
Class X Concrete			Cu. Yds	198.8
* Structural Steel			Lbs.	150,700

* Weight of bearing assemblies with lead plates and anchor bolts are included as structural steel.
Est. Wt. = 5980 Lbs.

SUPERSTRUCTURE
F.A.I RT. 57 SEC. 10-37HB
CHAMPAIGN COUNTY
STA. 1347+05.17

+ CHAMPAIGN, MCLEAN & PIATT

DESIGNED	Azhar Ali	
CHECKED	Danny S. Chester	
DRAWN	J. Schneller A.A.	D.L. Beemer
CHECKED	D.S.C.	

APRIL 14 1966
EXAMINED
PASSED
APPROVED

I-4-L (>14°) 8-1-65

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #2 S.N. 010-0163

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	21
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS	FED. AID PROJECT			

MODEL: SMODELNAMES
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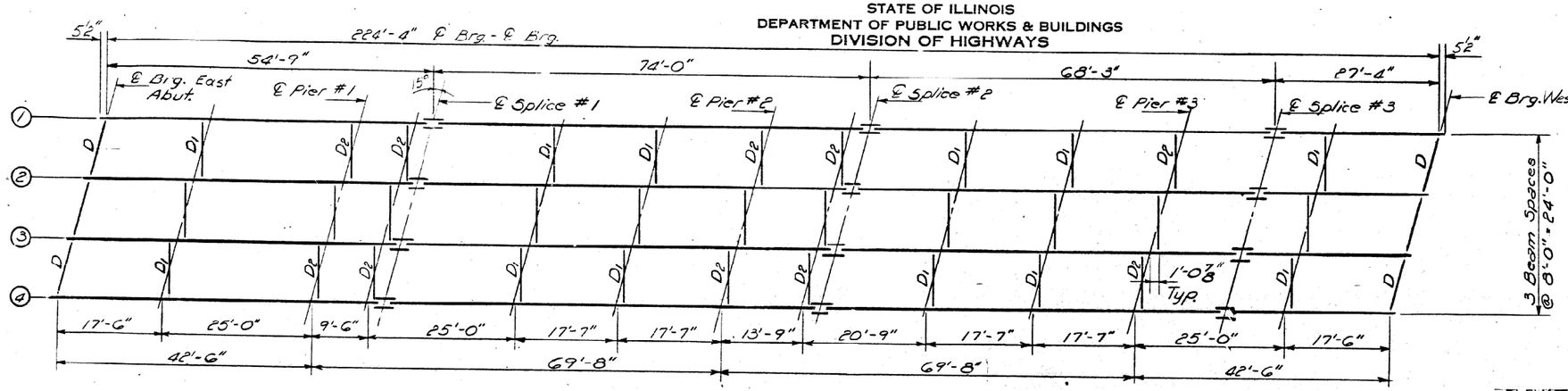
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. F.A.I. 57	10-37 HB	Champaign	51	17
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT.		

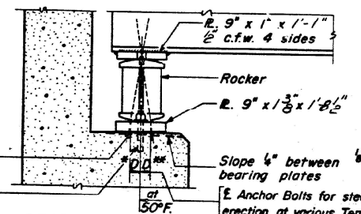
SHEET NO. 3
10 SHEETS



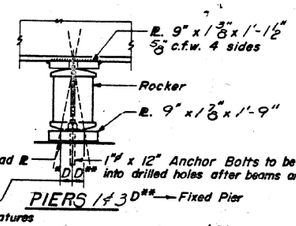
FRAMING PLAN (All beams are 36 WF 135)

ELEVATIONS TOP OF 36WF135

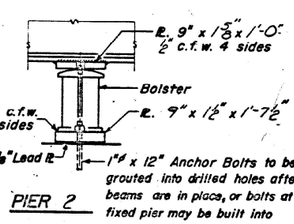
	℄ Brg E. Abt.	℄ Pier 1	℄ Splice 1	℄ Pier 2	℄ Splice 2	℄ Pier 3	℄ Splice 3	℄ Brg W. Abt.
Beam 1	752.36	752.69	752.78	752.90	752.93	752.66	752.58	752.36
Beam 2	752.48	752.81	752.90	753.02	753.05	752.78	752.70	752.48
Beam 3	752.48	752.81	752.90	753.02	753.05	752.78	752.70	752.48
Beam 4	752.36	752.69	752.78	752.90	752.93	752.66	752.58	752.36



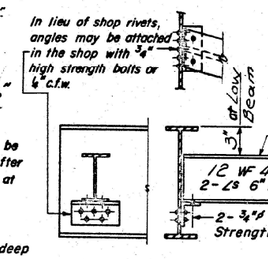
SECTION AT ABUTMENTS



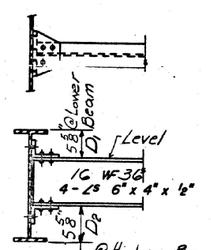
PIERS 1 & 3



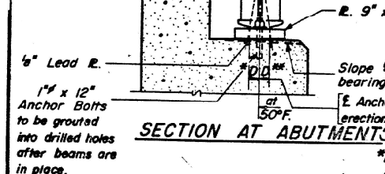
PIER 2



DIAPHRAGM D
6 Required



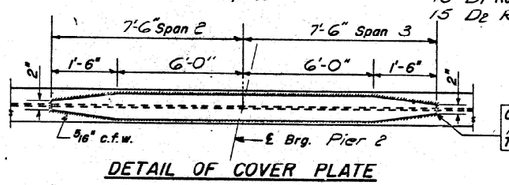
DIAPHRAGMS D1 & D2
18 D1 Required
15 D2 Required



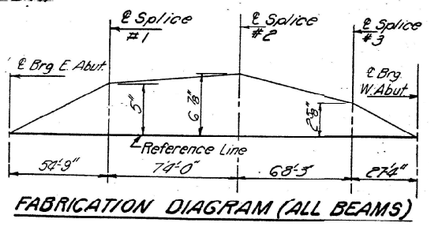
PLAN

PLAN

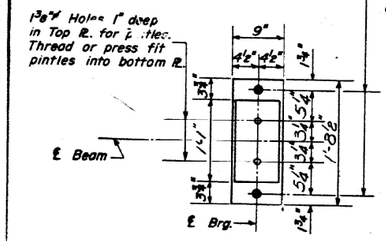
PLAN



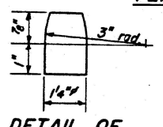
DETAIL OF COVER PLATE



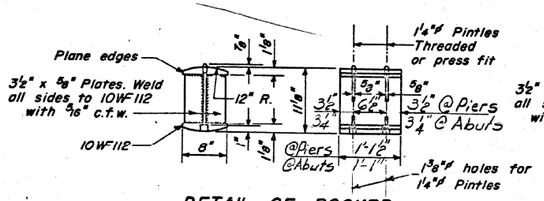
FABRICATION DIAGRAM (ALL BEAMS)



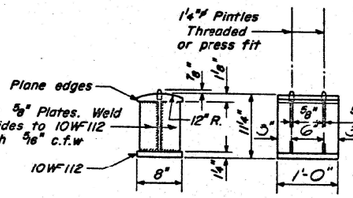
PLAN



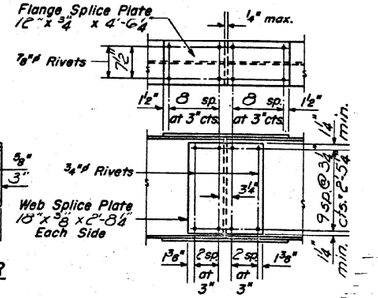
DETAIL OF PINTLE



DETAIL OF ROCKER AT ABUTS. & PIERS 1 & 3



DETAIL OF BOLSTER AT PIER 2



DETAIL OF SPLICE

STRUCTURAL STEEL
F.A.I. RT. 57 SEC. 10-37HB
CHAMPAIGN COUNTY
STA. 1347+05.17

DESIGNED	Hshan Ali
CHECKED	Geo. J. Schuller
P.G. Barnett	J. Schneller H.A.
DRAWN	J.T.D. W. A. Sausaman Jr.
CHECKED	D.F.C.

EXAMINED April 14 1966
PASSED
APPROVED

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

+ CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #2 S.N. 010-0163

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	22
** DS BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
		ILLINOIS	FED. AID PROJECT	

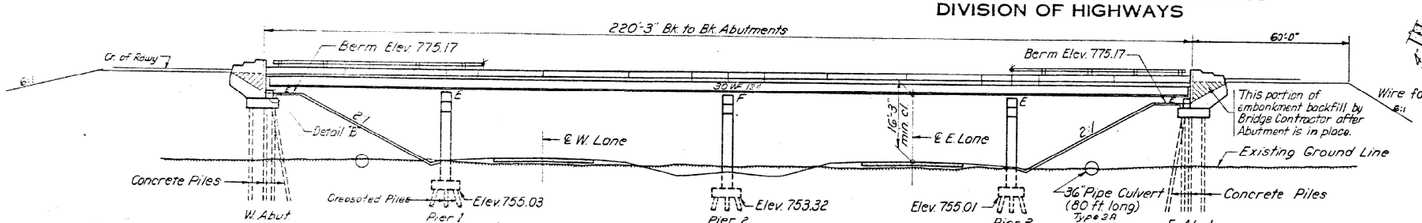
MODEL: \$MODEL\NAMES
FILE NAME: pw:\\dot-pw.bentley.com:PWDOT\Documents\IDOT Offices\District 5\Projects\D570F43\CADData\CAD\sheets\D570F73-sht-AS-Built-s.dgn

S.M. #316, Wall & B.C. in Power Pole
109 Ft Lt of Sta 1235+35 El 755.92

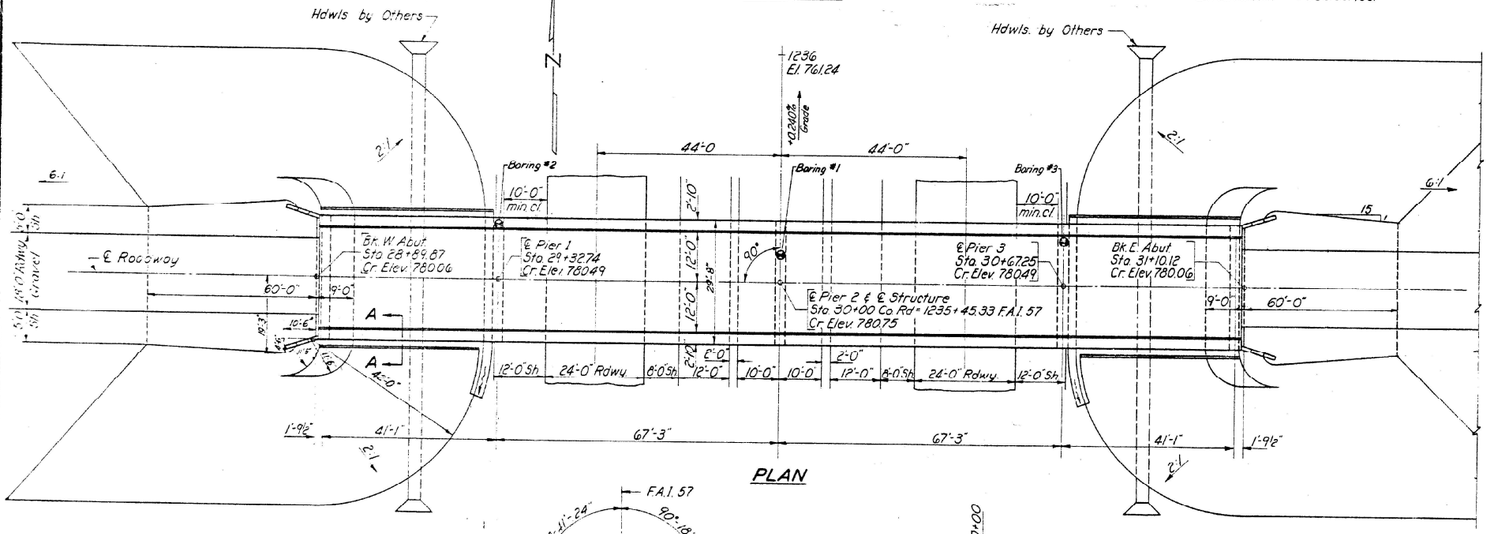
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 57	10-36HB-2	CHAMPAIGN	21	6
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	I-57-5(79)249	

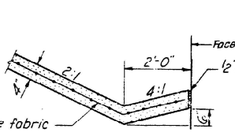
SHEET NO. 1
10 SHEETS



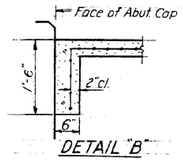
ELEVATION



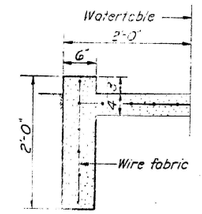
PLAN



SECTION AT PIER 1



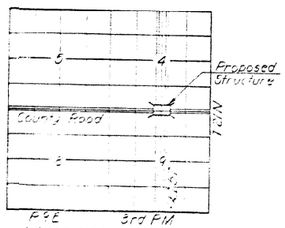
DETAIL "B"



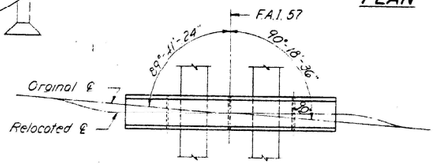
SECTION A-A

STATION 1235+45.33
BUILT 196 BY
STATE OF ILLINOIS
F.A.I. RT. 57 SEC. 10-36HB-2
F.A. PROJ. I-57-5(79)
LOADING HS 15

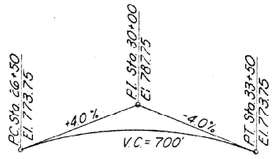
NAME PLATE LETTERING
See Standard 2113-1



LOCATION PLAN



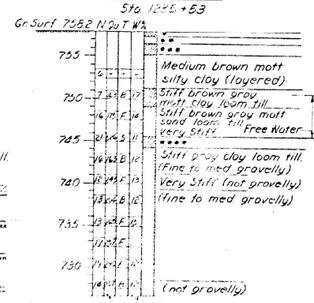
DETAIL RELOCATED ℄



COUNTY ROAD - V.C. DATA

NOTE:
N = Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30".
Qu = Unconfined compressive strength in tons per square foot.
W = Water Content - percentage of oven dry weight
T = Type Failure: S - Shear
B - Bulge
F - Flow

BORING No. 1
Sta. 1235+53
Gr. Surf. 758.2 N Qu T W%



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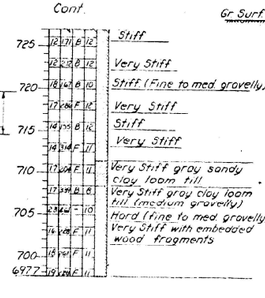
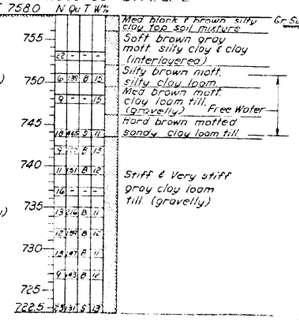
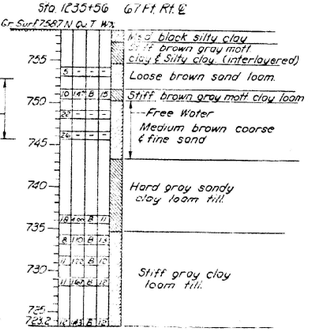


BORING No. 2
Sta. 1235+58 67 Ft. Lt. ℄
Gr. Surf. 758.0 N Qu T W%



BORING No. 3
Sta. 1235+56 67 Ft. Rt. ℄
Gr. Surf. 758.7 N Qu T W%



TOTAL BILL OF MATERIAL

Item	Unit	Super.	Sub.	Total
Class A Excavation for Struct.	Cu Yds		128	128
Class X Concrete	Cu Yds.	202.6	217.0	419.6
Structural Steel	Lbs.	151,940		151,940
Alum. Handrail	Lin. Ft.	436		436
Pipe Culvert, Type 2A (36")	Lin. Ft.			160
Reinforcement Bars	Lbs.	41,060	14,340	55,400
Concrete Piles	Lin. Ft		680	680
Test Piles (Concrete)	Each		1	1
Creosoted Piles	Lin. Ft.		1200	1200
Test Piles (Timber)	Each		1	1
Name Plates	Each			2
Slope Wall (4")	Sq. Yds.		360	360
Protective Coat	Sq. Yds.	725		725

DESIGN STRESSES
fc = 1400 psi. Super & Sub
vc = 75 psi. Figs
fs = 20,000 psi. Reinf.
fs = 20,000 psi. Struct.
n = 10

LOADING H15-S12-44

PROJ. I-57-5(79) 249
GENERAL PLAN & ELEVATION
LOCAL ROAD OVER F.A.I. 57
F.A.I. RT. 57 SEC. 10-36HB-2
CHAMPAIGN COUNTY
STA. 1235+45.33

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #3 S.N. 010-0164

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	23
** D5 BRIDGE PAINTING 2023-1			CONTRACT NO. 70F43	
		ILLINOIS	FED. AID PROJECT	

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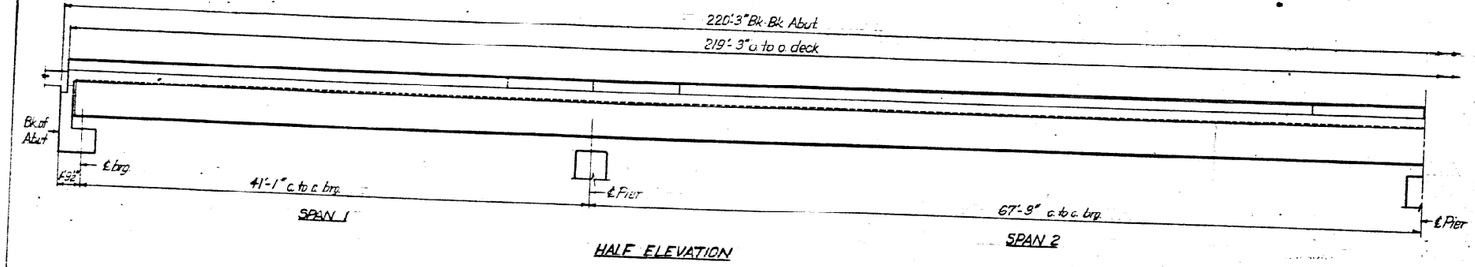
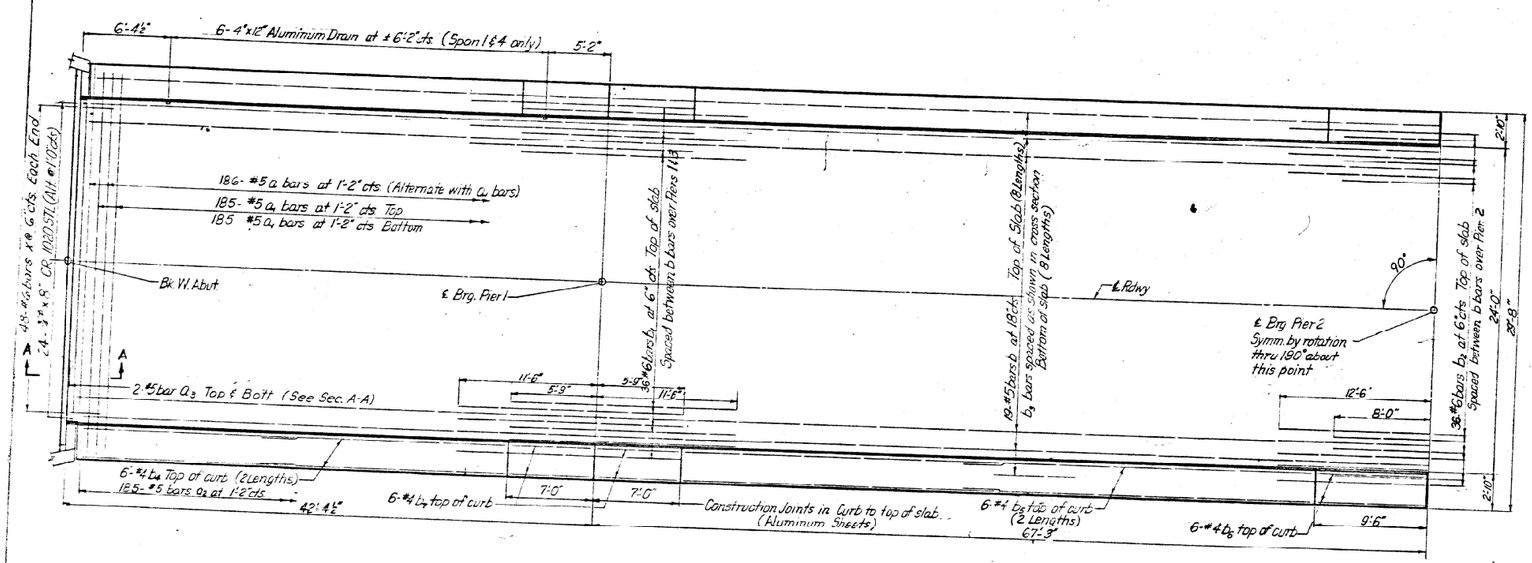
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 57	10-36HB-2	CHAMPAIGN	21	7
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

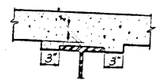
SHEET NO. 2
10 SHEETS



HALF ELEVATION

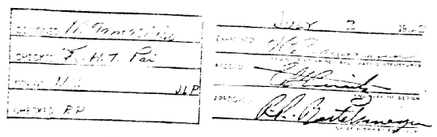


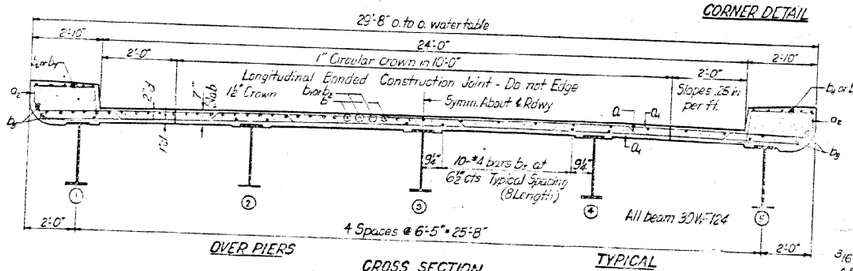
HALF PLAN



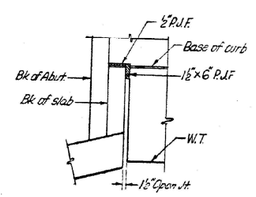
METHOD OF DETERMINING FILLET HEIGHTS "f"

After all Structural Steel has been erected, elevations of the top flanges of the beams shall be taken at the stations shown on sheet #3. These elevations subtracted from the "Theoretical Grade Elevation Adjusted for Dead Load Deflection" shown on sheet #3, minus floor thickness equals the fillet heights above top of beams.



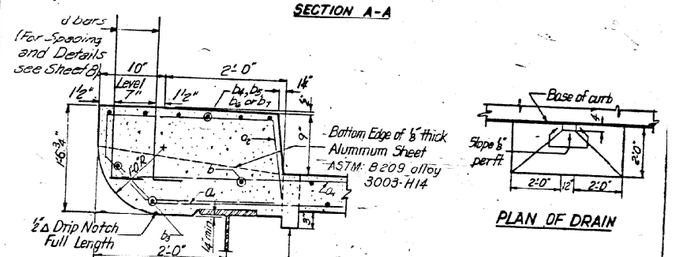


OVER PIERS — CROSS SECTION — TYPICAL



CORNER DETAIL

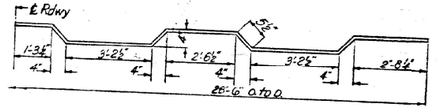
SECTION A-A



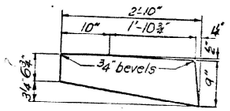
CURB DETAIL

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

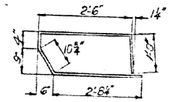
PLAN OF DRAIN



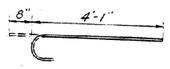
BAR a



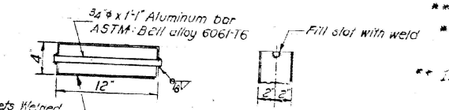
DETAIL OF ⅛" ALUMINUM SHEETS
Used in curb joints



BAR a2



BAR x



FLOOR DRAIN

BILL OF MATERIAL

Bar	No	Size	Length	Shape
a	186	#5	29'-6"	
a1	370	#5	28'-0"	
b	152	#5	27'-6"	
b1	72	#6	17'-3"	
b2	36	#6	20'-6"	
b3	352	#4	25'-0"	
b4	48	#4	18'-6"	
b5	48	#4	26'-3"	
b6	24	#4	9'-3"	
b7	48	#4	6'-9"	
a3	8	#5	23'-9"	
a2	370	#5	7'-5"	
x	96	#6	4'-9"	
Class X Concrete			C.Yds	202.6
* Structural Steel			lbs	18,342
** Reinforcement Bars			lbs	51,060

* Weight of Rockers, Bolsters, Bearing Plates, Lead Plates and Anchor Bolts included as Structural Steel. Est. Weight = 6430 lbs.
** Includes Forms of Portions Sheet 8.

SUPERSTRUCTURE
FAI Rt. 57 Sec 10-36 HB2
CHAMPAIGN COUNTY
Sta. 1235+45.33

CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #3 S.N. 010-0164

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	24
** D5 BRIDGE PAINTING 2023-1			CONTRACT NO. 70F43	
		ILLINOIS	FED. AID PROJECT	

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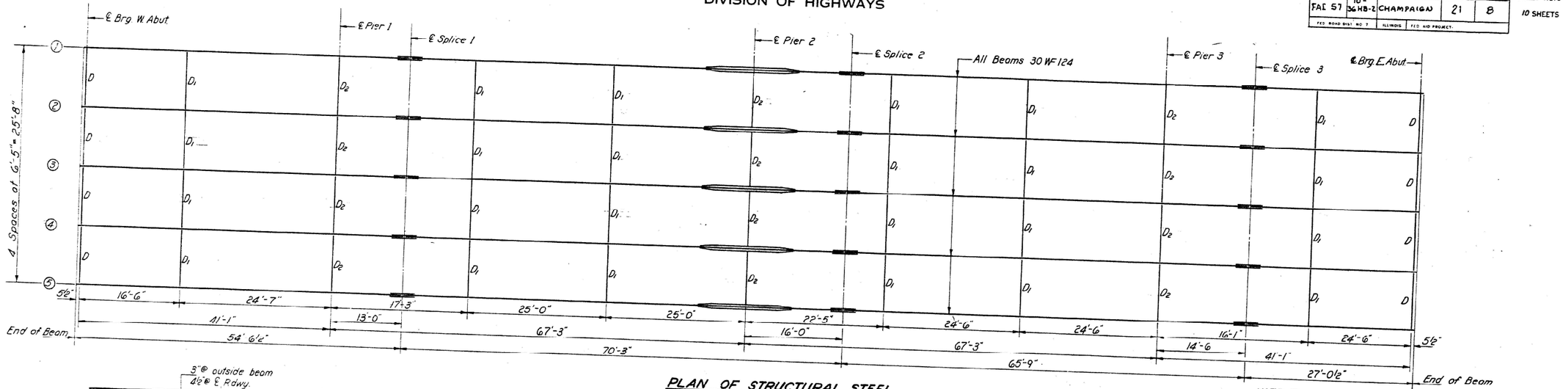
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

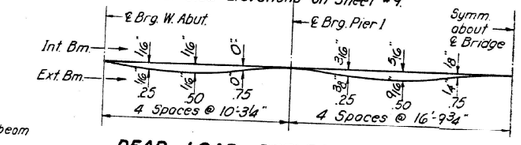
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 57	10-36HB-2	CHAMPAIGN	21	8
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT.		

SHEET NO. 3
10 SHEETS

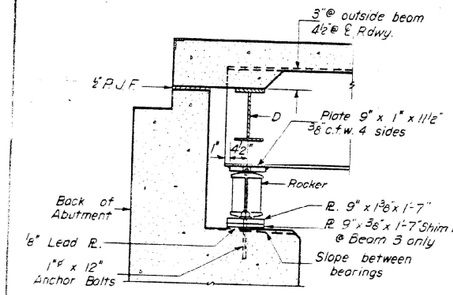


PLAN OF STRUCTURAL STEEL

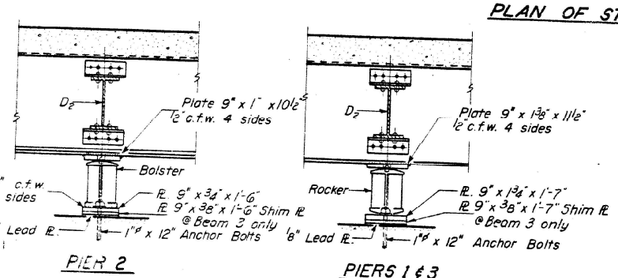
NOTE: The diagram below is included as a matter of record only. Allowance for D.L. Deflection is included in Top of Slab Elevations on Sheet #9.



DEAD LOAD DEFLECTION DIAGRAM
(Weight of Concrete Only)

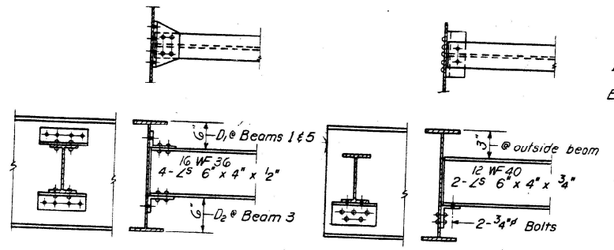


SECTION AT ABUTMENT



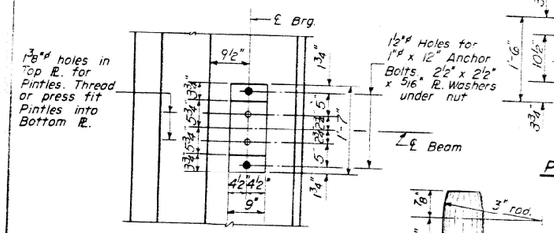
PIER 2

PIERS 1 & 3

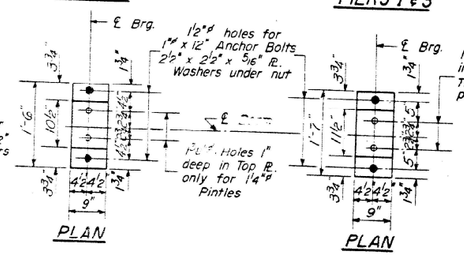


DIAPHRAGM D1 & D2
24 - D1 Required
12 - D2 Required

DIAPHRAGM D
8 - Required

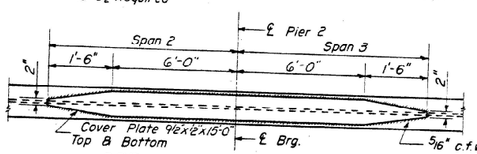


PLAN



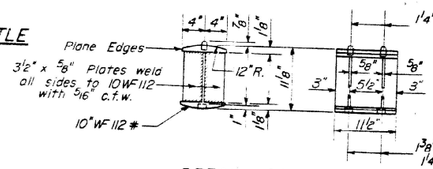
PLAN

PLAN

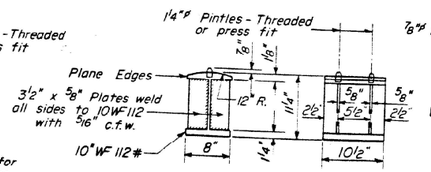


DETAIL OF COVER PLATES

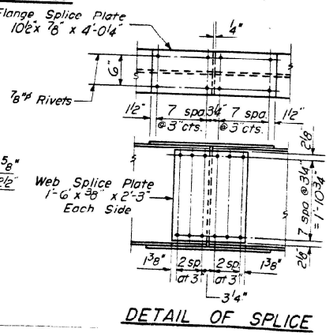
DETAIL OF PINTLE



DETAIL OF BEARING AT PIERS 1 & 3



DETAIL OF BEARING AT PIER 2



DETAIL OF SPLICE

ELEVATION TOP OF BEAMS

Beam Location	℄ Brg. W. Abut.	℄ Pier 1	℄ Spl. 1	℄ Pier 2	℄ Spl. 2	℄ Pier 3	℄ Spl. 3	℄ Brg. E. Abut.
1	779.39	779.75	779.84	779.96	780.00	779.72	779.63	779.39
2	779.48	779.84	779.93	780.06	780.10	779.81	779.73	779.48
3	779.52	779.87	779.97	780.10	780.13	779.85	779.76	779.52
4	779.48	779.84	779.93	780.06	780.10	779.81	779.73	779.48
5	779.39	779.75	779.84	779.97	780.00	779.72	779.63	779.39

DESIGNED	T.P. Ramachandra	
CHECKED	F. H. T. Fan	
DRAWN	J.L. Armstrong, W.A. Sausaman	
CHECKED	F.H.	
EXAMINED	W. E. Baumann	July 7 1962
PASSED		
APPROVED	Ralph Bartholomew	

I-2 Re-drawn 8-18-59

STRUCTURAL STEEL LAYOUT
F.A.I. RT. 57 SEC. 10-36-HB-2
CHAMPAIGN COUNTY
STA. 1235 + 45.33

* CHAMPAIGN, MCLEAN & PIATT

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USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #3 S.N. 010-0164

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

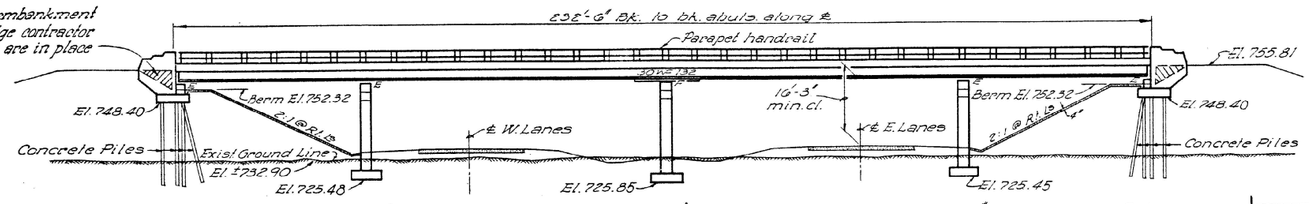
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	25
** DS BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS	FED. AID PROJECT			

B.M.: U.S.C and G.S. Y-200 Concrete monument 240' Rt. Sta. 1129 + 15 Elevation 734.24

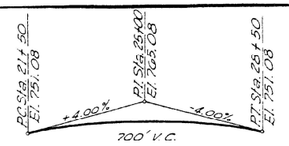
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. Rt. 57	10-36 42	Champaign	27	6
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT: I-57-5(78)247		

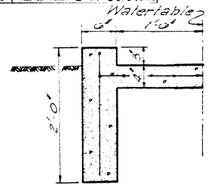
SHEET NO. 1
11 SHEETS



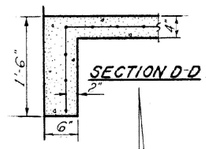
ELEVATION



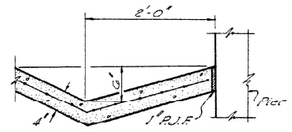
COUNTY ROAD VERTICAL CURVE DATA



SECTION A-A



SECTION D-D



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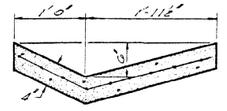
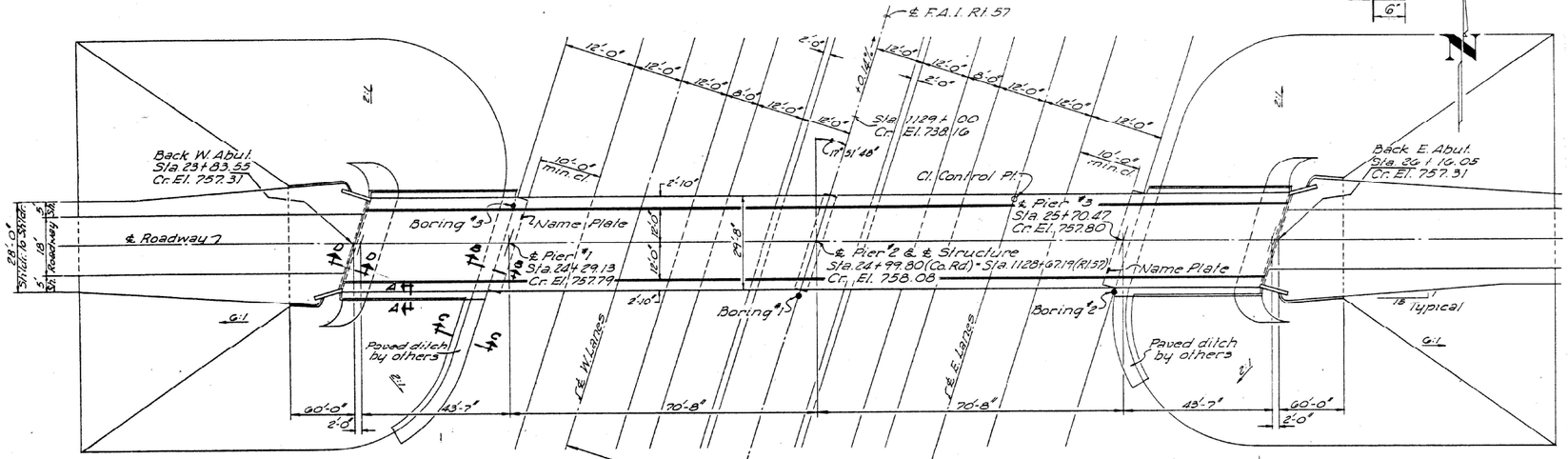
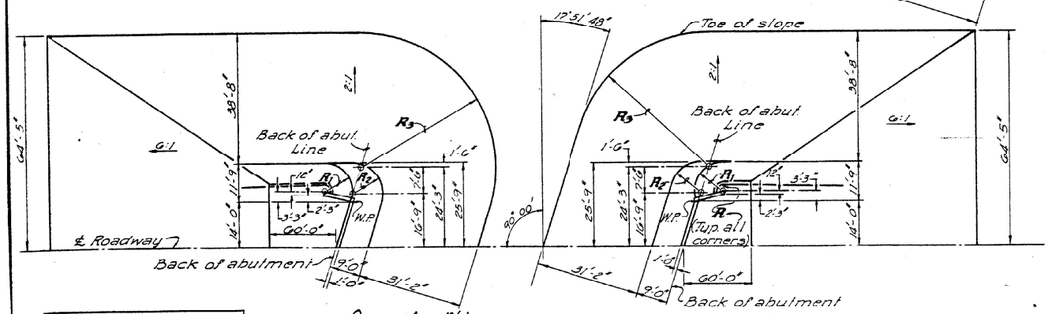


SECTION C-C



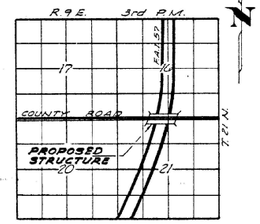
PLAN



TYPICAL RADIUS POINT LOCATIONS

Reverse as required

RADII DIMENSIONS
R = 1'-0" (Typical)
R1 = 8'-0"
R2 = 9'-0"
R3 = 40'-2"
o = Radius Point



LOCATION PLAN

STATION 1128 + 67.19
BUILT 196 BY
STATE OF ILLINOIS
F.A.I.RT. 57 SEC. 10-36HB
F.A. PROJ. I-57-5(71)
LOADING H315

NAME PLATE (STD. 2113-1)

(For location, see sheet * 7)

DESIGN STRESSES

fc	1,400 psi	Super & Sub
fs	20,000 psi	Reinf.
fs	18,000 psi	Struct.
vc	75 psi	Flyp

n = 10

Max. Footing Pressure 6.1 ksf

LOADING H15-S12-44

GENERAL NOTES

Class X concrete shall be used throughout.

The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.

Slopewalls shall be reinforced with welded wire fabric 6"x6" mesh, #4 wires weighing 58 lbs. per 100 Sq. Ft.

Rivets ⅞" Open holes 1⅛" unless noted.

All bolsters, rockers, bearing plates, lead plates, pintles and anchor bolts shall be fabricated and set in accordance with Article 51.15 of the Standard Specifications and are included in quantity of Structural Steel.

Anchor bolts shall be set before riveting diaphragms over supports.

The aggregate for class X concrete used in parapet and wing walls shall be free from chert, flint, limonite, lignite and soft sandstone.

EXCAVATION FOR PORTIONS OF STRUCTURES IN THE EMBANKMENTS SHALL NOT BE CLASSIFIED.

Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Articles 506.1 to 506.5 inclusive of the Standard Specifications.

The Contractor shall drive two test piles in permanent locations, one at East Abutment and one at the West Abutment as directed by the Engineer before ordering remainder of piles.

Holes shall be precored to natural ground for piles under abutments. See Article 602.9 (c) of the Standard Specifications.

FIELD WELDING OF CONSTRUCTION ACCESSORIES TO THE BOTTOM FLANGES OR FOR A DISTANCE OF ¼ OF THE SPAN EACH WAY FROM PIER SUPPORTS ON 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.

PERMANENT FORMS WILL NOT BE PERMITTED IN FORMING THE CONCRETE DECK.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUBSTR	TOTAL
Class A Excav. for Struct.	Cu. Yds.		270	270
Structural Steel	Lbs.	180,670		180,670
Class X Concrete	Cu. Yds.	218.6	253.2	471.8
Aluminum Handrail	Lin. Ft.	460		460
Reinforcement Bars	Lbs.	43,150	19,590	62,740
Concrete Piles	Lin. Ft.		752	752
Test Piles (Concrete)	Each		2	2
Name Plates	Each		2	2
Slope Wall 4"	Sq. Yds.		402	402
Protective Coat	Sq. Yds.	766		766

DESIGNED	Ernest W. Boodt	
CHECKED	J. B. Nelson	J. Mullenix
DRAWN		
CHECKED	J. B. N.	

EXAMINED: H. E. Bernman, ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES
PASSED: ENGINEER OF DESIGN
APPROVED: R. C. Butelewicz, CHIEF HIGHWAY ENGINEER
AUG 14 1961

GENERAL PLAN & ELEVATION
PROJECT I-57-5 (78)247
F.A.I. ROUTE 57 SEC. 10-36HB
CHAMPAIGN COUNTY
STATION 1128 + 67.19

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #4 S.N. 010-0165

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	26
** D5 BRIDGE PAINTING 2023-1			CONTRACT NO. 70F43	
		ILLINOIS	FED. AID PROJECT	

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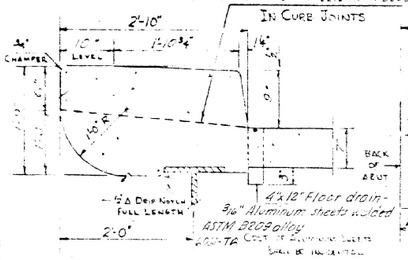
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. RTE. 57	10-36 HB	Champaign	27	7
FED. PROJECT NO.	ILLINOIS	FED. AID PROJECT		

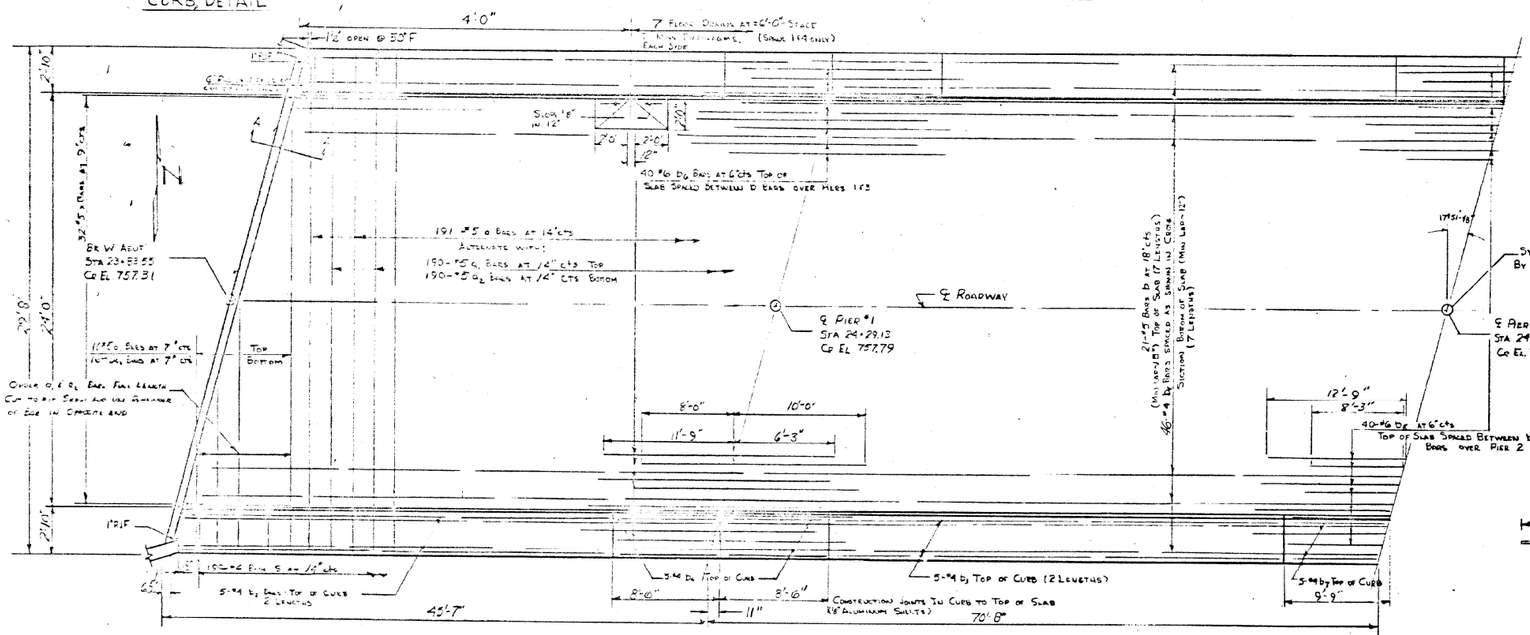
SHEET NO. 2
11 SHEETS

Use 18" Aluminum Sheets ASTM B209 alloy 3003-H14 In Cure Joints



CURB DETAIL

HALF ELEVATION



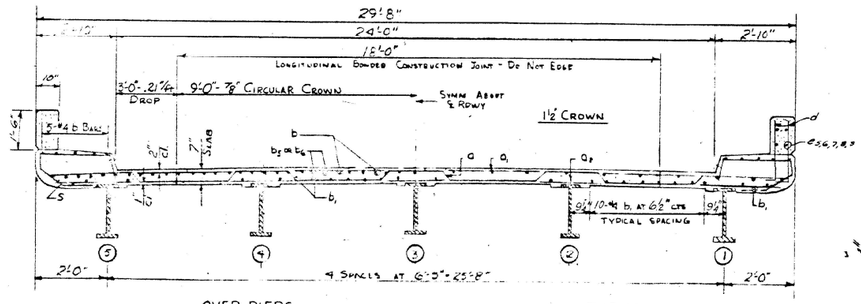
HALF PLAN

METHOD OF DETERMINING FILLET HEIGHT "f"

After all structural steel has been erected elevations of the top flanges of the beams shall be taken at the stations shown on Sheet #9. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on Sheet #9, minus floor thickness equals the fillet heights above top of beams.

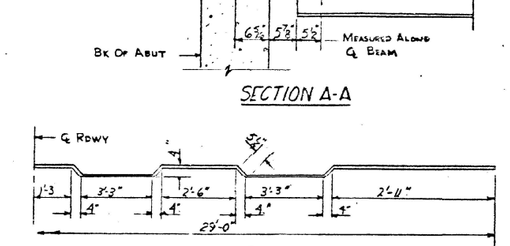
DESIGNED	Ernest W Cook
CHECKED	H B Nelson
DRAWN	E Boodt
CHECKED	H B N.

Aug 12 1961



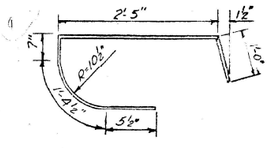
OVER PIERS — TYPICAL

CROSS SECTION

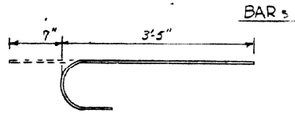


SECTION A-A

BAR a



BAR s



BAR x

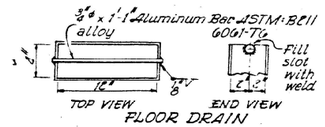
BILL OF MATERIAL

Bar	No	Size	Length	Shape
a	191	#5	30'-0"	
a1	206	#5	29'-0"	
a2	206	#5	28'-6"	
b	149	#5	34'-6"	
b1	322	#4	5'-3"	
b2	40	#4	19'-6"	
b3	40	#4	27'-0"	
b4	40	#4	8'-3"	
b5	40	#6	21'-0"	
b6	80	#6	18'-0"	
b7	20	#4	9'-6"	
S	398	#4	5'-10"	
x	64	#5	4'-0"	
** Class X Concrete			Cu Yds	218.6
** Reinforcement Bars			Lb	14,150
* Structural Steel			Lb	5670

* Weight of Bolsters, Rocker Bearings, Floor, Lead Plates and Anchor Bolts included as Structural Steel. Est. Weight, 6,450 lb

** Includes Parapet quantities - see Sheet no. 4.

For parapet details & d & e see sheet no. 4 bar listings see Sheet no. 4



FLOOR DRAIN

SUPERSTRUCTURE

FAT RT 57 SECTION 10-36 HB
CHAMPAIGN COUNTY
STATION 1128+67.19

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #4 S.N. 010-0165

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	27
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS	FED. AID PROJECT			

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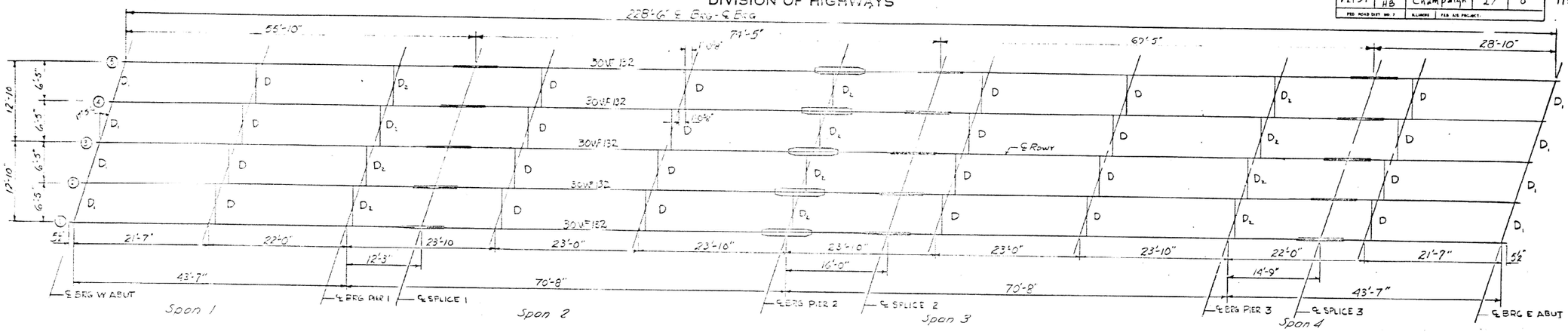
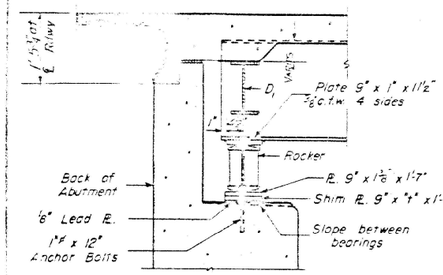
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 57	10-36 HB	Champaign	27	8
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT.		

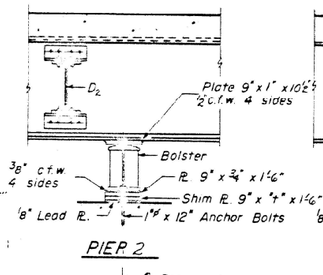
SHEET NO 3
11 SHEETS



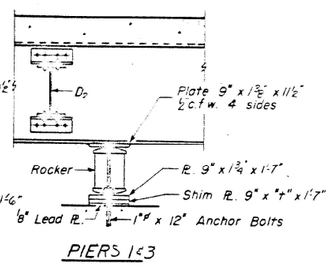
PLAN OF STRUCTURAL STEEL



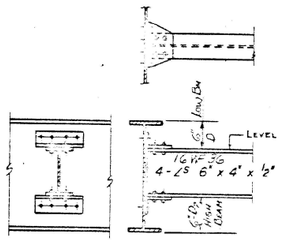
SECTION AT ABUTMENT



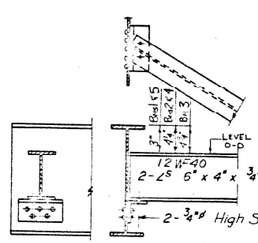
PIER 2



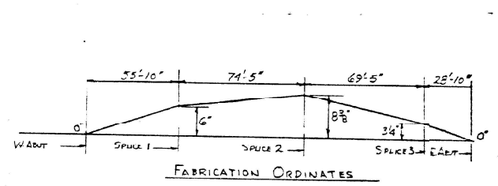
PIERS 1 & 3



DIAPHRAGM D & D₂
24 D₁ & 12-D₂ Required



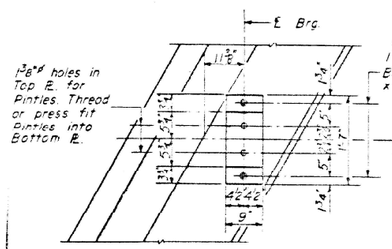
DIAPHRAGM D₁
8 Required



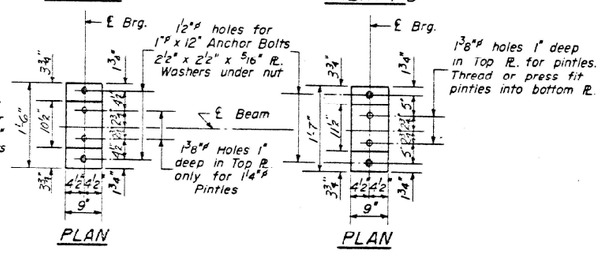
FABRICATION ORDINATES

ELEVATION TOP OF BEAMS

Beam	1	2	3	4	5
Brg W Abut	754.56	754.66	754.70	754.66	754.56
Pier 1	754.95	757.05	757.09	757.05	754.95
Splice 1	757.06	757.16	757.20	757.16	757.06
Pier 2	757.22	757.32	757.36	757.32	757.22
Splice 2	757.26	757.36	757.40	757.36	757.26
Pier 3	754.92	757.02	757.06	757.02	754.92
Splice 3	754.83	756.93	756.97	756.93	754.83
Brg E Abut	754.56	754.66	754.70	754.66	754.56

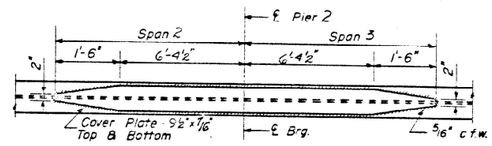


PLAN

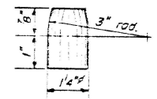


PLAN

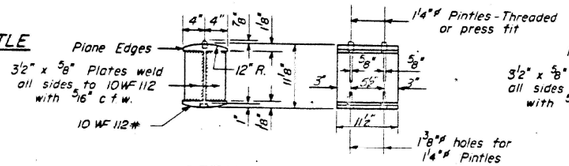
PLAN



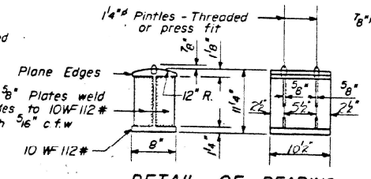
DETAIL OF COVER PLATES



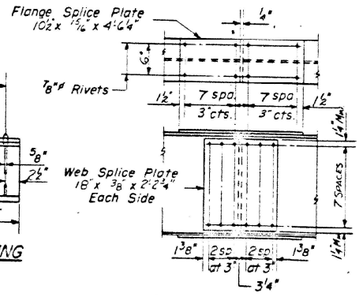
DETAIL OF PINTLE



DETAIL OF BEARING AT PIERS #1 & #3 AND ABUTMENTS
20 REQUIRED



DETAIL OF BEARING AT PIER #2
5 REQUIRED



DETAIL OF SPLICE

TABLE OF "t" DIMENSIONS

Beam	1	2	3	4	5
Abuts	0"	0"	½"	0"	0"
Piers	0"	0"	½"	0"	0"

DESIGNED Ernst Woodt
CHECKED Y. D. Mak
DRAWN E Boost W. A. Sausaman
CHECKED B. N.

Aug 14 1961
DRAWING ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES
PASSED
APPROVED
CHIEF ENGINEER OF DIVISION
CHIEF HIGHWAY ENGINEER

I-2-L Re-drawn 9-21-59

STRUCTURAL STEEL
FAI Rt 57 SEC 10-36HB
CHAMPAIGN COUNTY
STATION 1128+67.19

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #4 S.N. 010-0165
SCALE: | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	28
** D5 BRIDGE PAINTING 2023-1			CONTRACT NO. 70F43	
		ILLINOIS	FED. AID PROJECT	

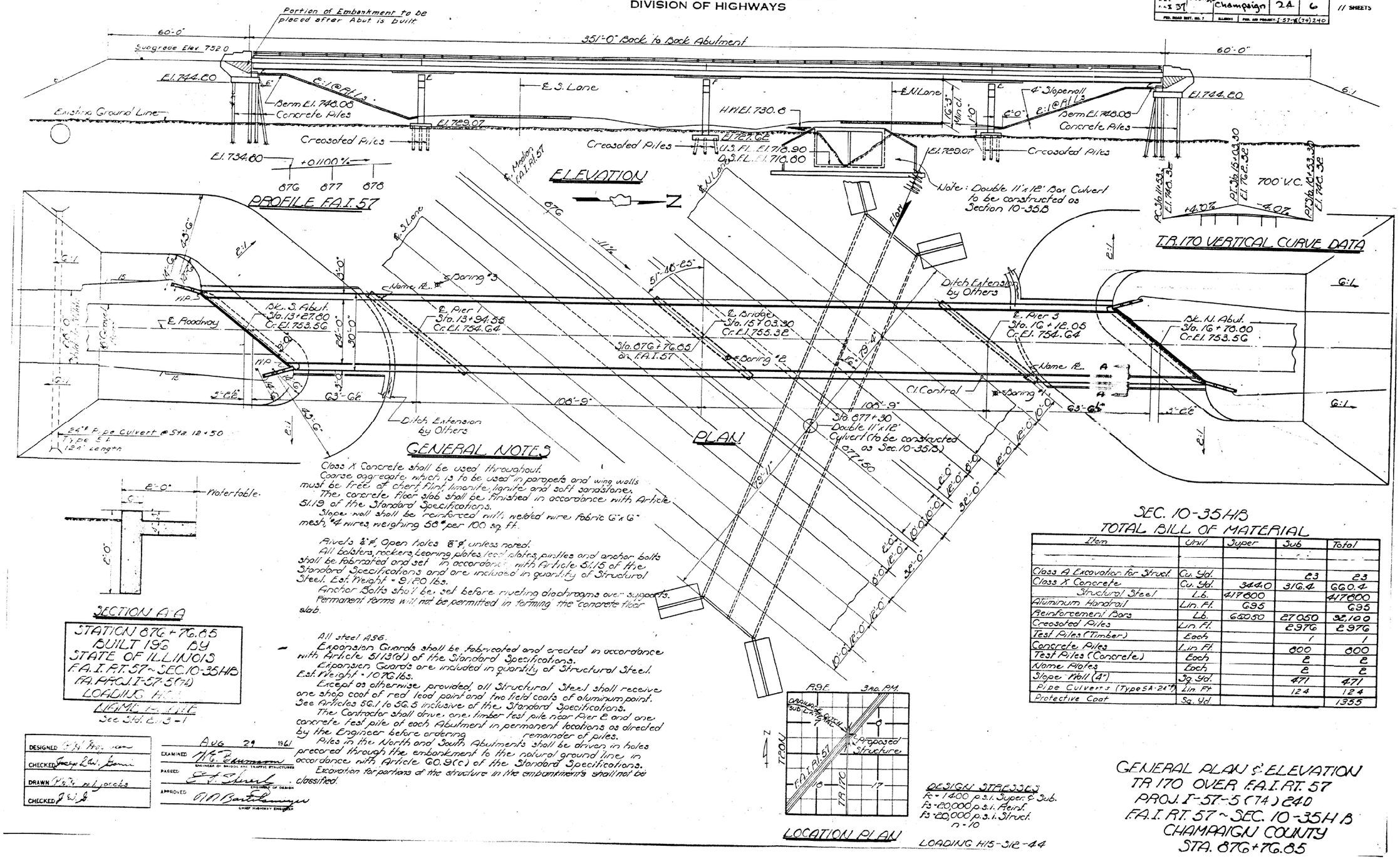
MODEL: SMODELNAMES
FILE NAME: pw:\\dot-pw.bentley.com:PWDOTDocuments\\IDOT Offices\District 5\Projects\D570F43\CADData\CADsheets\D570F43-sht-As_Built.dgn

"BBC Elev. 757.71 Nail with bottle cap in telephone pole 30' West of Bridge on East line of Sec. 7, T20N, R9E.

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 57	35HB,S	Champaign	24	6
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT: I-57-5(74)240		

SHEET NO 1
11 SHEETS



SEC. 10-35HB
TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Class A Excavation for Struct.	Cu. Yd.		23	23
Class X Concrete	Cu. Yd.	344.0	316.4	660.4
Structural Steel	Lb.	417600		417600
Aluminum Handrail	Lin. Ft.	695		695
Reinforcement Bars	Lb.	650 50	27050	32,100
Creosoted Piles	Lin. Ft.		2976	2976
Test Piles (Timber)	Each		1	1
Concrete Piles	Lin. Ft.		600	600
Test Piles (Concrete)	Each		2	2
Name Plates	Each		2	2
Slope Wall (4")	Sq. Yd.		471	471
Pipe Culverts (Type 5A-24")	Lin. Ft.		124	124
Protective Coat	Sq. Yd.			1355

GENERAL PLAN & ELEVATION
TR 170 OVER F.A.I. RT. 57
PROJ. I-57-5(74)240
F.A.I. RT. 57 ~ SEC. 10-35HB
CHAMPAIGN COUNTY
STA. 876+76.85

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #5 S.N. 010-0172

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	29
** D5 BRIDGE PAINTING 2023-1			CONTRACT NO. 70F43	
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME
FILE NAME: pw:\\dot-pw.bentley.com:PWDOT Documents\IDOT Offices\District 5\Projects\D5707-43\CAD\Data\CADsheets\D5707-43-ASBuilt.dgn

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 57	10-35HB	Champaign	24	7
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 7
11 SHEETS

351'-0" back to back Abutment

346'-6" #6 bars @ 6" c/c. (back face of Parapet)
Plus 2 additional bars in front face at each rail post.

Exp. Jt. at Abut. 1

Exp.

Cap.

Fix

63'-6" c/c c. Bearings
SPAN 1

102'-9" c/c c. Bearings
SPAN 2

HALF ELEVATION

Summetrical about
℄ Structure.

#5 Notch

Bottom Edge of 6" Aluminum Sheet used in Curb Joints (3003-H14) Cost Incidental

6" Drip Notch full Length

4"x12" Floor Drain
⅜" Aluminum Sheet welded Cost Incidental A.S.T.M. B209 alloy 3003-H14 or 6061-T6

½" bevel

CURB DETAIL

Expans. Joint at ℄ Bridge

℄ Brg. Abut. 1
8 Steel Beams
16 Steel Beams
8 Steel Beams
16 Steel Beams

℄ Brg. Pier 2
8 Steel Beams
8 Steel Beams
16 Steel Beams
8 Steel Beams

4 Spcs. @ 21'-10½" = 87'-6" | 4 Spcs. @ 25'-7½" = 102'-9"
63'-6"

DEAD LOAD DEFLECTION DIAGRAM
Due to Weight of Concrete Only

2'-6"
7"
10'-2½" R
1'-4"
6"
14"

BAR 2

14'-0"
4 Spaces @ ± 6'-0" c/c's. = ± 40'-0" (West Curb - Span 1 & East Curb - Span 4)
4 Spaces @ ± 6'-0" c/c's. = ± 64'-0" (East Curb - Span 1 & West Curb - Span 4)
Space Drains to miss Diaphragms

For E-5 bars - 5 West of ℄ East Curb

Slope 6 in 1'

6'-0" 6'-0"
2'-0"

67 #6 a bars @ 7 c/c's. Top
67 #6 ac bars @ 7 c/c's. Bottom.

Order a 30'-0" bar, full length cut to fit shown and use remainder of bar in opposite end

℄ 4'-4" ℄ 4'-4" E. 39'-6"

Slope 6 in 1'

Bk. 2 Abut.

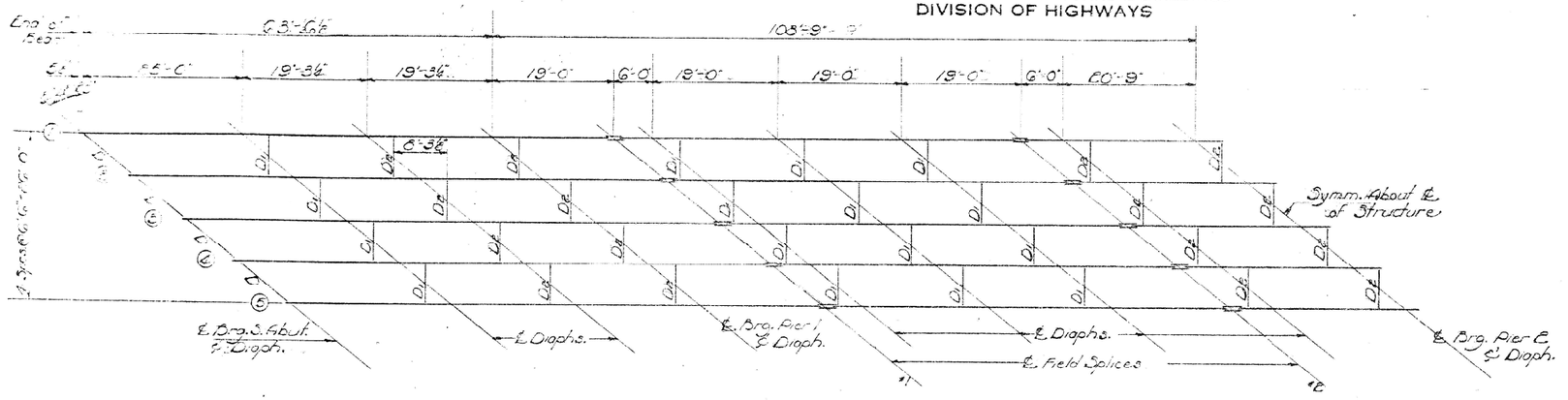
Spaces at 3'-0" c/c's. = 81'-0"

3'-6" ac bars @ 7 c/c's. Top
3'-6" ac bars @ 7 c/c's. Bottom

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

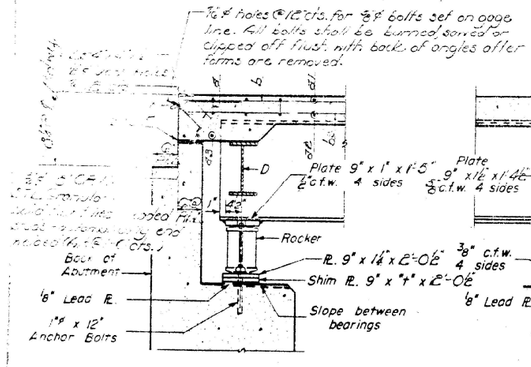
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 57	10-35H B	Champaign	24	8
FED. ROAD DIST. NO. 7	ILLINOIS	FED.		

SHEET NO. 3
11 SHEETS

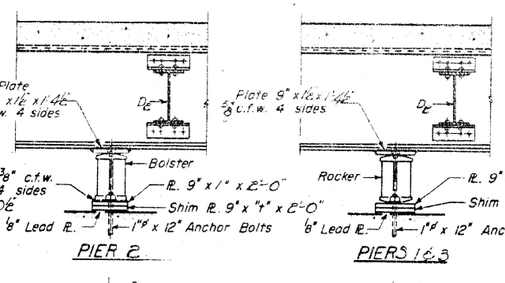


HALF FRAMING PLAN
All Beams 33"WF200

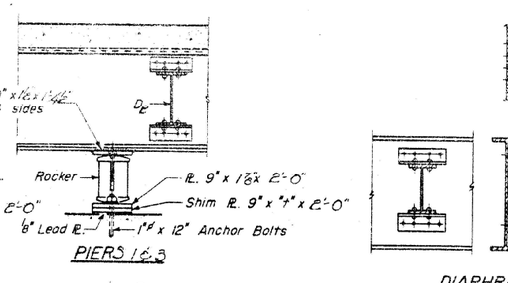
¾" ϕ holes @ 12" c's. for ¾" ϕ bolts set on gage line. All bolts shall be burned or reamed for clipped off flush with back of angles after forms are removed.



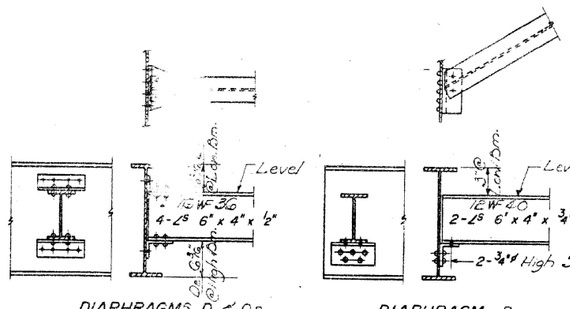
SECTION AT ABUTMENT



PIER 2

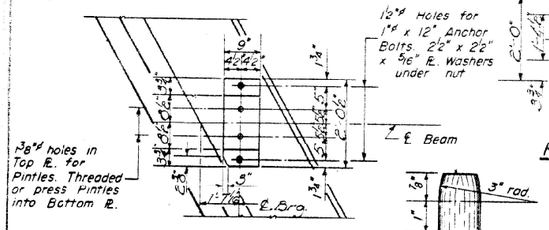


PIERS 1 & 3

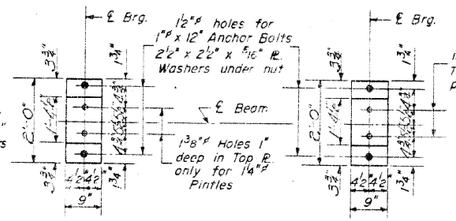


DIAPHRAGMS D1 & D2
32 D1 Required
28 D2 Required

DIAPHRAGM D
3 Required



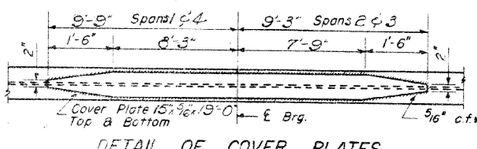
PLAN



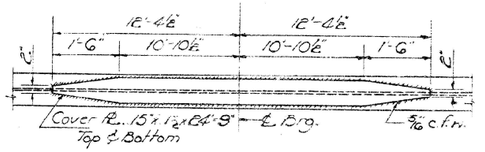
PLAN

PLAN

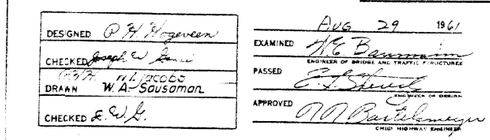
DETAIL OF PINTLE



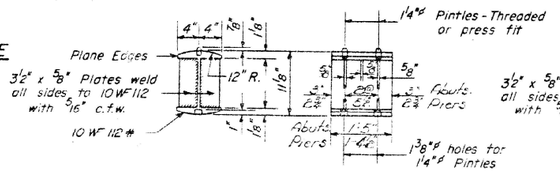
DETAIL OF COVER PLATES
AT PIERS 1 & 3



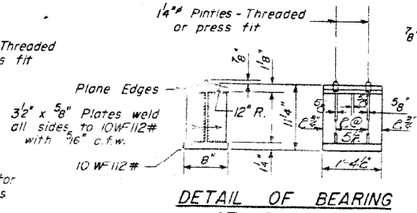
DETAIL OF COVER PLATES
AT PIER 2



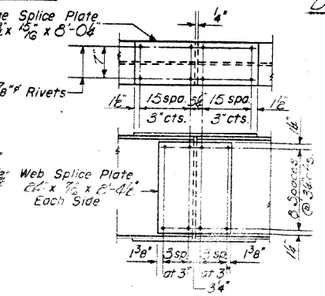
I-2-R Re-drawn 9-23-59



DETAIL OF BEARING
AT PIERS 1 & 3
AND ABUTS.



DETAIL OF BEARING
AT PIER 2



DETAIL OF SPLICE

All "f" dimensions equal zero.

STRUCTURAL STEEL
F.A.I. RT. 57 SEC. 10-35H B
CHAMPAIGN COUNTY
STA. 876+76.65

ELEVATION TOP OF BEAMS

Beam	1	2	3	4	5
℄ Brg. S. Abt.	752.50	752.86	753.06	753.18	752.90
Pier 1	753.57	753.86	753.93	754.06	753.77
Splice #1	753.86	754.15	754.19	754.32	754.03
Splice #2	754.34	754.62	754.55	754.68	754.39
Pier 2	754.37	754.65	754.55	754.65	754.37
Splice #3	754.39	754.68	754.55	754.62	754.34
Splice #4	754.03	754.30	754.19	754.15	753.86
Pier 3	753.77	754.06	753.93	753.86	753.57
℄ Brg. N. Abt.	752.90	753.18	753.06	752.86	752.58

+ CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #5 S.N. 010-0172

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	"	"	67	31
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS	FED. AID PROJECT			

MODEL: SMODELNAME
FILE NAME: pw:\\dist-pw.bentley.com:PWDOT\Documents\IDOT Offices\District 5\Projects\05F043\CADData\CADSheets\05703-sht-As Builts.dgn

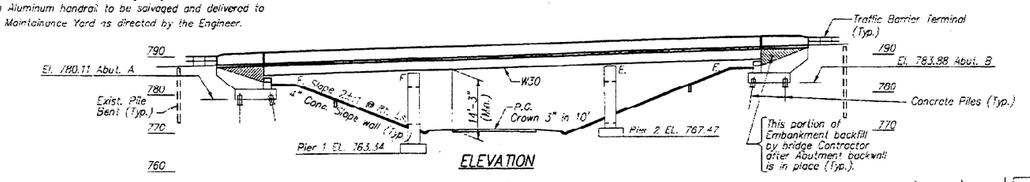
B.M. - Sta. 567+18.72, 169.63' Rt., Top of R.O.W. Monument, Elev. 777.58

Existing Structures: Sta. 568+50.32, F.A.I. Route 55, Sec. 57-6HB-3
Built in 1963, Structure numbers 057-0008 (N.B.) and 057-0009 (S.B.)
Superstructure: reinforced concrete deck on continuous steel beams.
Substructure: concrete pile bent abutments, 3-bay rectangular piers.
Concrete deck to be removed, structure widened, existing steel members to be reused shall be painted.
Reused beams to be raised to minimize fillets and expansion bearings to be replaced.
Existing fixed bearings to be reused.
Traffic to be maintained utilizing stage construction.
Existing Aluminum handrail to be salvaged and delivered to District Maintainance Yard as directed by the Engineer.

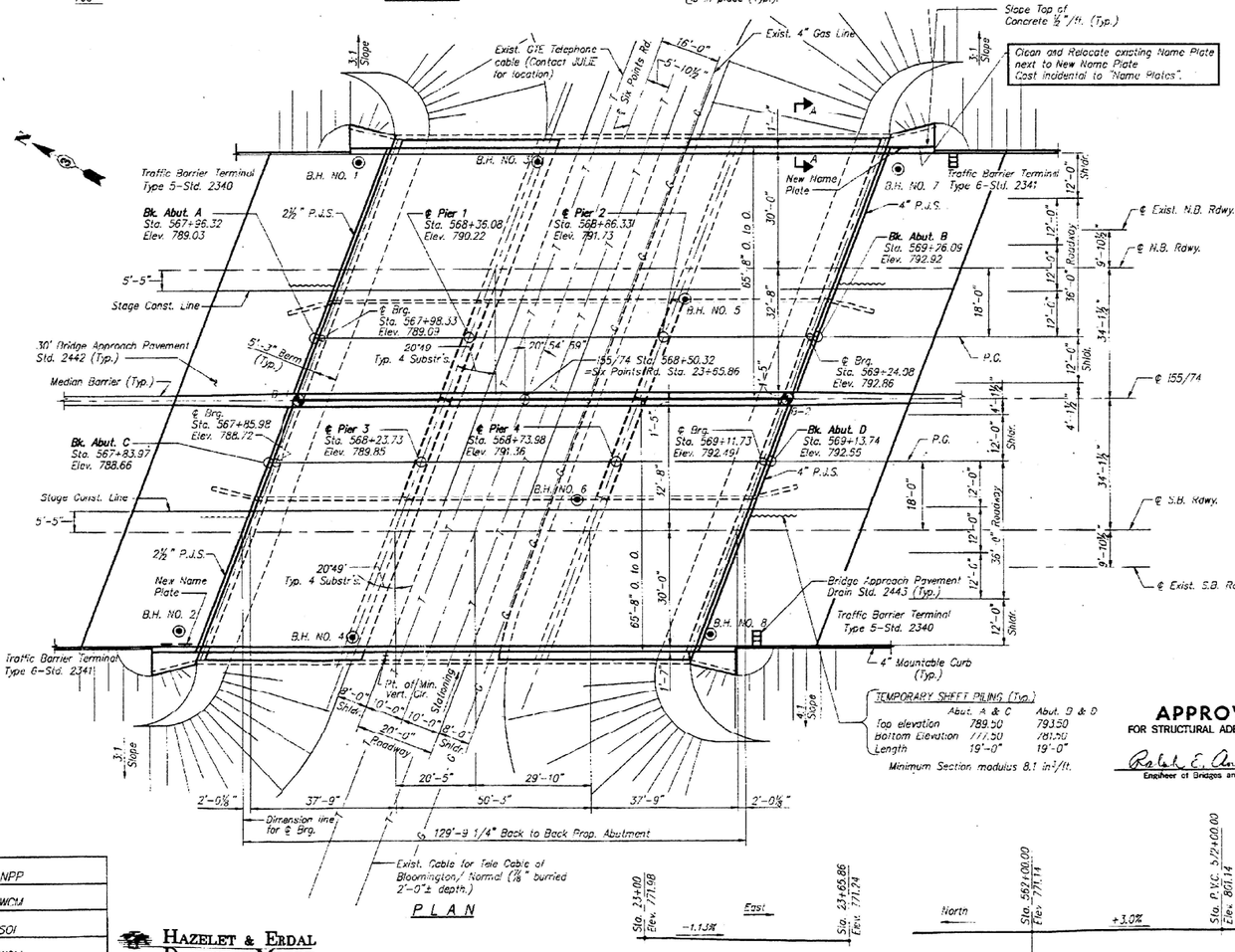
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGHWAY NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 55	(57-6,7)R 6HB-3, 7VBR	McLEAN	118	50
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 1 OF 27 SHEETS



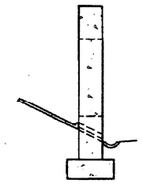
ELEVATION



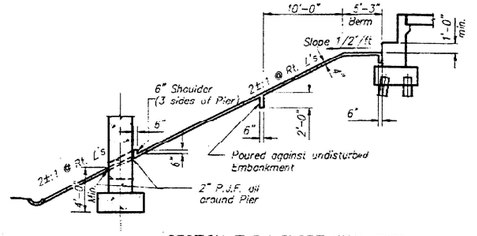
PLAN

PROFILE GRADE SIX POINTS ROAD

PROFILE GRADE 155/74

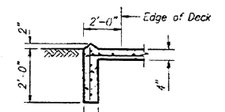


SECTION THRU SLOPE WALL PIER 1
(For info. not shown see SECTION THRU SLOPE WALL PIER 2)



SECTION THRU SLOPE WALL PIER 2
(Dimensions shown @ Rt. L's)

NOTE:
COST OF FURNISHING AND PLACING OF ANY ADDITIONAL SUBGRADE MATERIAL NECESSARY FOR GRADING BENEATH SLOPEWALL IS INCLUDED IN THE UNIT COST OF SLOPE WALL 4".



SECTION A-A

STAGING INFORMATION
Two lane traffic shall be maintained on I-55/74 throughout the construction period. See Cross-Section on Sht. 23 for location of temporary barriers. This project will be constructed in two stages for both the Northbound and Southbound Lanes. Traffic will be maintained on the existing bridge during Stage I construction and shifted to the newly constructed part of Proposed Structure during Stage II construction. (See Shts. 23 & 24 for details of Stage Construction).

STATION 23+65.86
REBUILT 1997 BY
STATE OF ILLINOIS
F.A.I. RT. 55 (155/74) SEC.(57-6,7)R.
6HB-3, 7VBR F.A. PROJ.
LOADING HS20
STR. NO. 057-0008

NORTHBOUND NAME PLATE
See Sta. 2113

DESIGN STRESSES (NEW CONSTRUCTION)
FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinf.)
fs = 20,000 psi (Struct.) (M270, Gr. 36)

DESIGN STRESSES (EXIST. BEAMS REUSED)
FIELD UNITS
fs = 20,000 psi (Struct.)

SEISMIC DATA
Seismic Performance Category (S.P.C.) = A
Acceleration Coefficient (A) = 0.045g
Site Coefficient (S) = 1.0

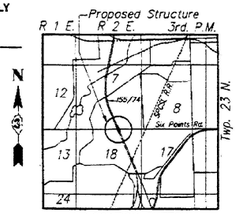
DESIGN SPECIFICATIONS
1992 AASHTO and 1993 and 1994 interims.

LOADING HS20-44 & ALTERNATE
Allow 25#/sq. ft. for future wearing surface.

STATE OF ILLINOIS
DONALD E. YETTER
81-4709
CHICAGO, ILL.
REGISTERED STRUCTURAL ENGINEER

Donald E. Yetter
05-01-96
EXPIRES 11-30-96

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
Engineer of Bridges and Structures



LOCATION SKETCH

This drawing includes information for the Northbound Structure as well as the Southbound Structure. Information related to the Southbound Structure is for information only (By Others)

GENERAL PLAN AND ELEVATION
NORTHBOUND
155/74 OVER SIX POINTS ROAD
F.A.I. RTE. 55 (155/74) SECTION 57-6HB-3
McLEAN COUNTY
Sta. 23+65.86 (SIX POINTS RD.)
Sta. 568+50.32 (155/74)
STRUCTURE NUMBER: 057-0008 (N.B.)

DESIGNED	NPP
CHECKED	WCM
DRAWN	SOI
CHECKED	WCM

HAZELET & ERDAL
DAMES & MOORE
FILE NUMBER 612\SIX-PTS

* CHAMPAIGN, McLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #6 S.N. 057-0008

SCALE: | SHEET 1 OF 9 SHEETS | STA. | TO STA.

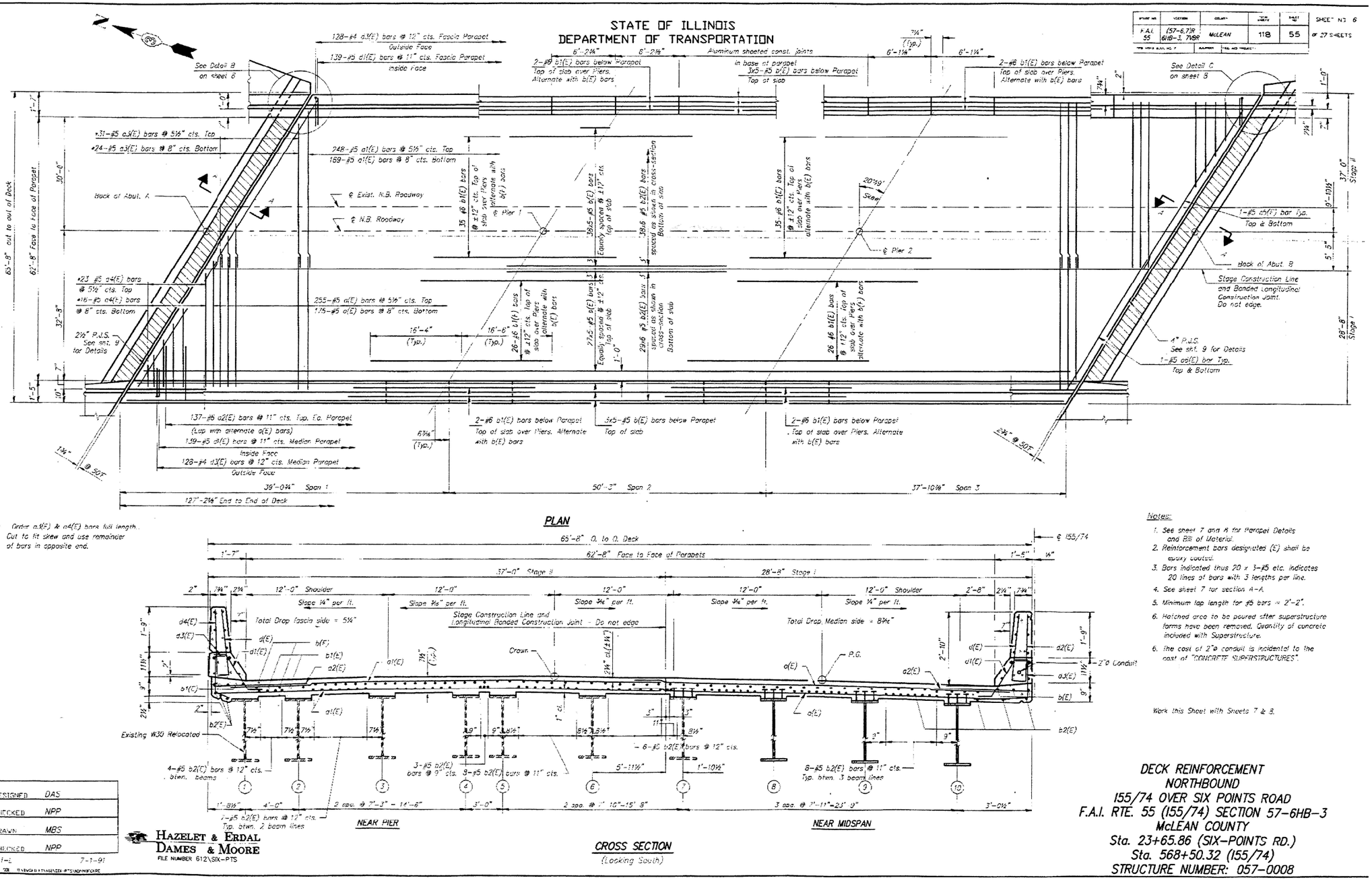
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	32
** D5 BRIDGE PAINTING 2023-1			CONTRACT NO. 70F43	
		ILLINOIS	FED. AID PROJECT	

MODEL: SMODELNAMES
FILE NAME: pw:\\dist-pw.bentley.com:PWIDOT Documents\IDOT Offices\District 5\Projects\D570743\CADData\CADSheets\D570173-sht-As Builts.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCT. NO.	LOCATION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 55	(57-6,7)B 6HB-3, 7HBR	McLEAN	118	55
TYPE WORK & MAT. NO. P	ALIGNMENT	FED. AID PROJECT		

SHEET NO. 6 OF 27 SHEETS



* Order a4(E) & a4(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

PLAN

CROSS SECTION
(Looking South)

DESIGNED	DAS
CHECKED	NPP
DRAWN	MBS
CHECKED	NPP

S-I-L 7-1-91

HAZELET & ERDAL
DAMES & MOORE
FILE NUMBER 612\SIX-PTS

Notes:

1. See sheet 7 and 8 for Parapet Details and Bill of Material.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
4. See sheet 7 for section A-A.
5. Minimum lap length for #5 bars = 2'-2".
6. Hatched area to be poured after superstructure forms have been removed. Quantity of concrete included with Superstructure.
6. The cost of 2"ø conduit is incidental to the cost of "CONCRETE SUPERSTRUCTURES".

Work this Sheet with Sheets 7 & 8.

DECK REINFORCEMENT
NORTHBOUND
155/74 OVER SIX POINTS ROAD
F.A.I. RTE. 55 (155/74) SECTION 57-6HB-3
McLEAN COUNTY
Sta. 23+65.86 (SIX-POINTS RD.)
Sta. 568+50.32 (155/74)
STRUCTURE NUMBER: 057-0008

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #6 S.N. 057-0008

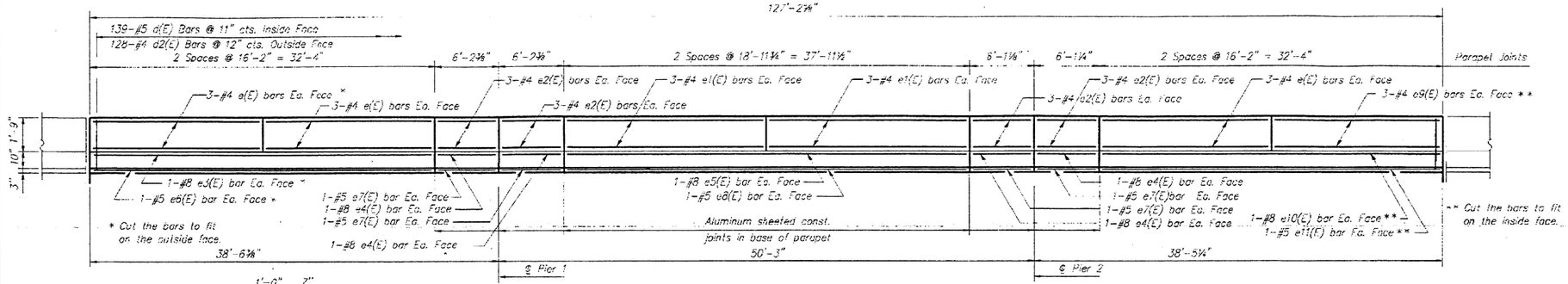
SCALE: | SHEET 2 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	33
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS	FED. AID PROJECT			

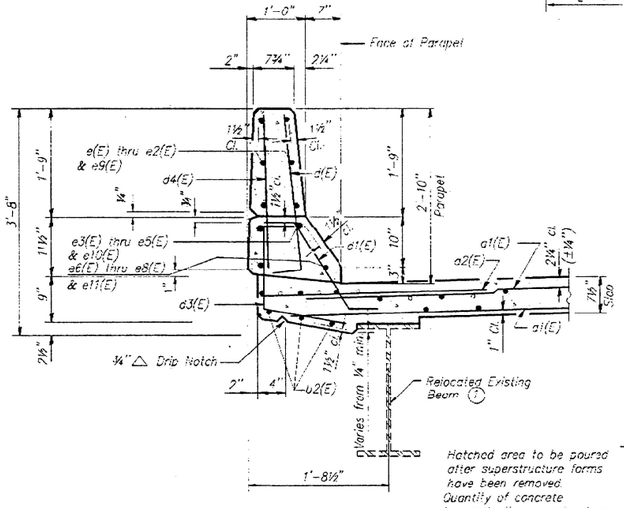
MODEL: $MODELNAME
FILE NAME: ow:\\Bldgdgw.bentley.com:PWIDOT_Documents\IDOT Offices\District 5\Projects\D570F43\CADData\CADSheets\D570F43-Sht-As_Built.dgn

SHEET NO. 7				
F.A.I. 55	(57-6,7)R, 6HB-3, 7HBR	McLEAN	118	56 OF 27 SHEETS

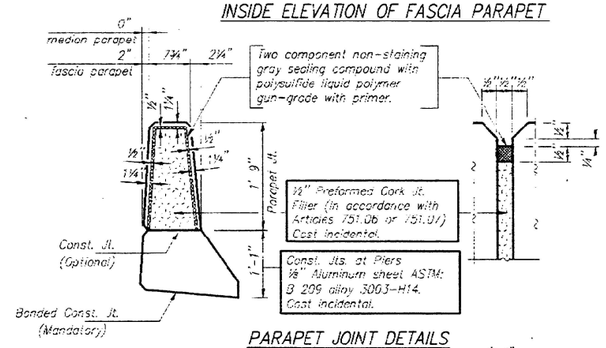
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



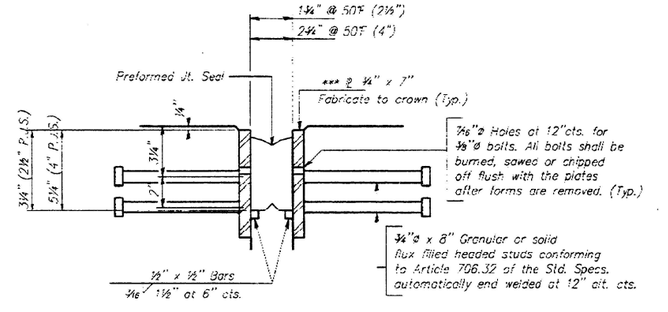
INSIDE ELEVATION OF FASCIA PARAPET



SECTION THRU PARAPET



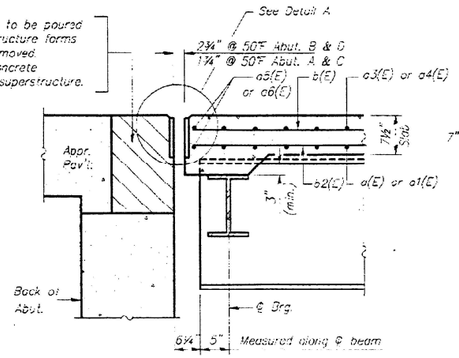
PARAPET JOINT DETAILS



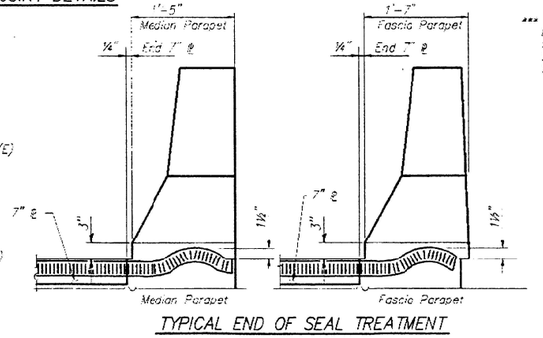
DETAIL A

*** Furnish in segments of 20 ft. maximum length. Maximum space between installed segments shall be ⅛". Seal space with Silicone Sealant suitable for Structural Steel.

Work this Sheet with Sheets 6 & 8.

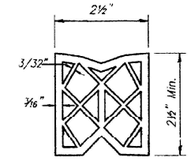


SECTION A–A

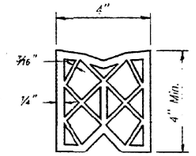


TYPICAL END OF SEAL TREATMENT

Note: After fabrication all surfaces of the steel plates shall be given one shop coat of paint specified for Structural Steel. No field painting required.



PREFORMED JOINT SEAL (2½")



PREFORMED JOINT SEAL (4")

DESIGNED	DAS
CHECKED	NPP
DRAWN	MBS
CHECKED	NPP

S-1-D 3-31-95

HAZELET & ERDAL
DAMES & MOORE
FILE NUMBER 612\SIX-PTS

FASCIA PARAPET DETAILS
NORTHBOUND
155/74 OVER SIX POINTS ROAD
F.A.I. RTE. 55 (155/74) SECTION 57-6HB-3
McLEAN COUNTY
Sta. 23+65.86 (SIX POINTS RD.)
Sta. 568+50.32 (155/74)
STRUCTURE NUMBER: 057-0008

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #6 S.N. 057-0008

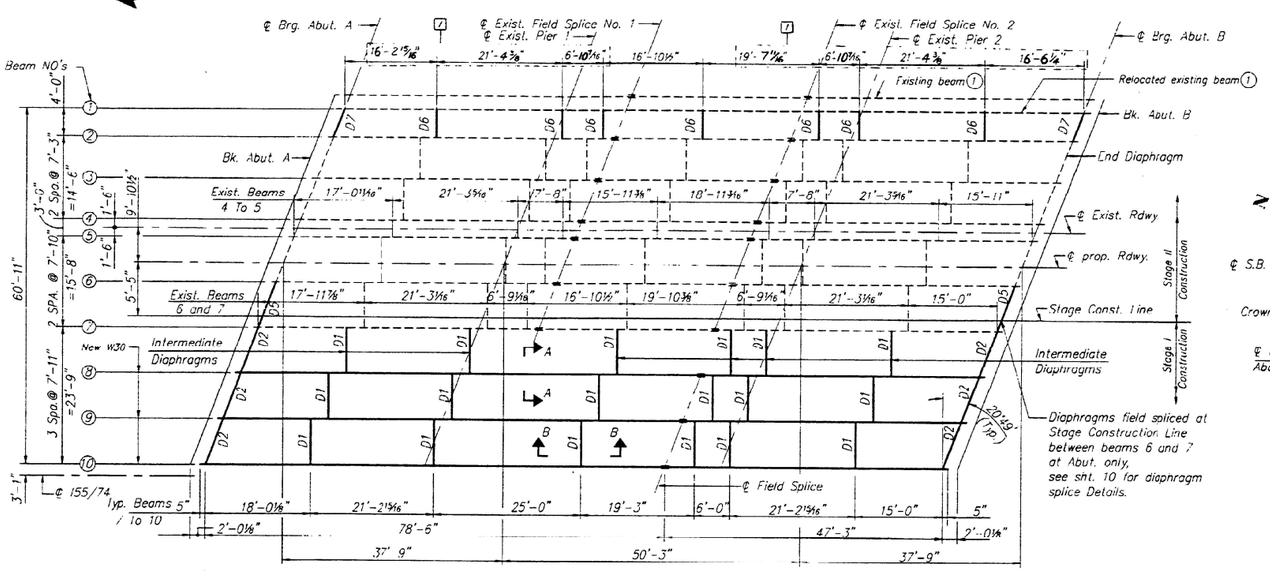
SCALE: | SHEET 3 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	34
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS	FED. AID PROJECT			

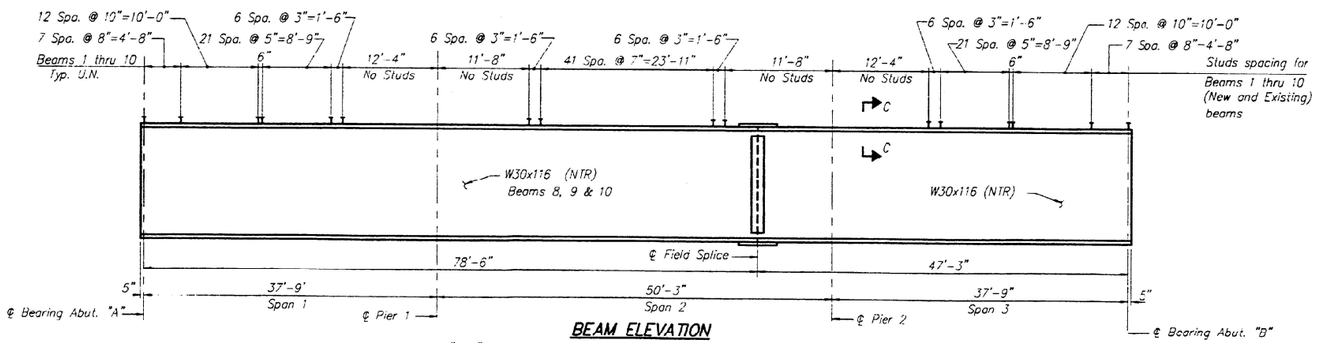
MODEL: SMODELNAMES
FILE NAME: pw:\\dot-pw.bentley.com:PWDOT Documents\IDOT Offices\District 5\Projects\D570F43\CADD\data\CADsheets\D570773-sht-As_Built.dgn

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 9
F.A.I. 55	(57-6,7)R 6HB-3, 7MBR	McLEAN	118	58	OF 27 SHEETS
FED. ROAD DIST. NO. 7		RAILROAD (F.A. AID PROJECT)			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

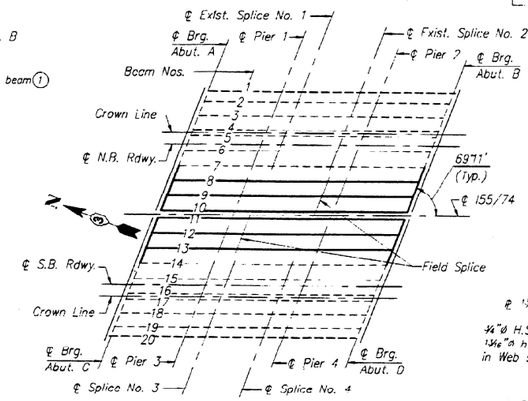


FRAMING PLAN

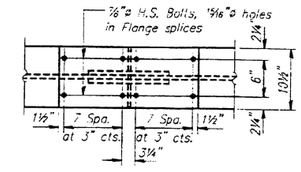


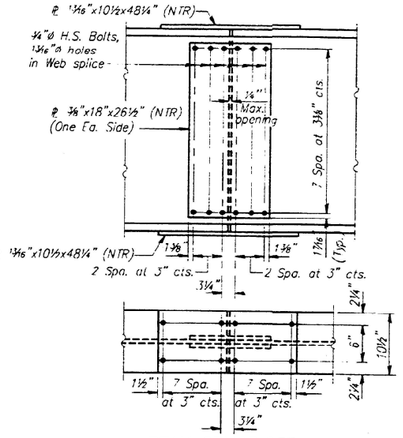
BEAM ELEVATION

"NTR" denotes members to which notch toughness requirements are applicable.



KEY PLAN

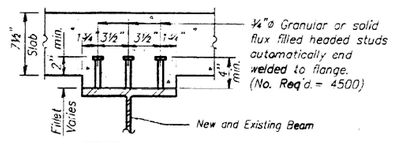




BEAM SPLICE DETAILS

(3 Required)

NOTES:
1. See Sheet 10 for Sections A-A and B-B.
2. Work this Drawing with Sheets 12, 13, 14 & 15.
3. See Sheet 15 for Steel Extension Details at fixed bearings for existing Beams.
4. After removal of existing concrete deck for Stage I work is completed, the diaphragms between beams 6 & 7 shall be disconnected and stored. Beam 7 shall be either jacked and shored or disassembled and stored. After Stage II concrete deck is poured these members shall be reconnected using similar size high strength bolts. The existing diaphragms between beams 1 and 2 shall be removed and existing beam 1 shall be Relocated. The Cost of this work shall be included in the PAY ITEM "Jacking Existing Superstructure".
The Cost of furnishing and installing new diaphragms between beams 1 & 2 including field drilling of new bolt holes, shall be included in PAY ITEM "Furnishing and Erecting Structural Steel".



SECTION C-C

TYPICAL

ELEVATION AT TOP OF BEAMS										
LOCATION	(1)	(7)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
℄ BEARING ABUT "A"	788.894	788.911	788.948	788.981	788.977	788.895	788.712	788.498	788.258	788.002
℄ BEARING PIER 1	789.997	790.014	790.052	790.085	790.081	789.998	789.815	789.598	789.358	789.102
℄ SPLICE 1	790.297	790.314	790.352	790.385	790.380	790.298	790.115	-	-	-
℄ SPLICE 2	791.190	791.207	791.244	791.277	791.273	791.191	791.008	-	-	-
℄ FIELD SPLICE	-	-	-	-	-	-	-	790.786	790.546	790.290
℄ BEARING PIER 2	791.505	791.522	791.560	791.592	791.588	791.506	791.323	791.085	790.844	790.589
℄ BEARING ABUT "B"	792.666	792.683	792.721	792.754	792.749	792.667	792.484	792.271	792.030	791.775

NOTES: 1. For location see Key Plan
2. Table Elevation of top of Beams is for fabrication use only.

DESIGNED	DAS
CHECKED	WCM
DRAWN	S.O.I.
CHECKED	WCM
G-1	4-1-79

HAZELET & ERDAL
DAMES & MOORE
FILE NUMBER 612\SIX-PTS

STEEL FRAMING PLAN
NORTHBOUND
155/74 OVER SIX POINTS ROAD
F.A.I. RTE. 55 (155/74) SECTION 57-6HB-3
McLEAN COUNTY
Sta. 23+65.86 (SIX POITS RD.)
Sta. 568+50.32 (155/74)
STRUCTURE NUMBER: 057-0008

1 Revised: 8-14-96 K.F.K.

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #6 S.N. 057-0008

SCALE: | SHEET 4 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	35
** D5 BRIDGE PAINTING 2023-1			CONTRACT NO. 70F43	
		ILLINOIS	FED. AID PROJECT	

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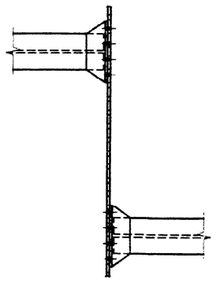
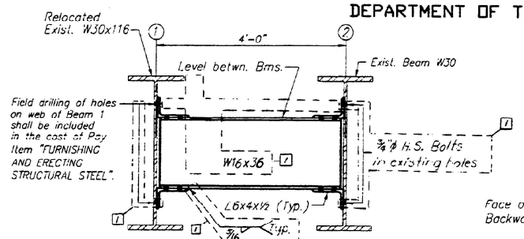
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

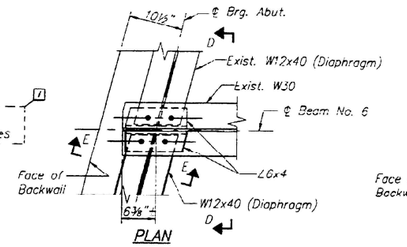
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 55 (57-6,7)R 6HB-3, 7HBR	McLEAN	118	59

SHEET NO. 10 OF 27 SHEETS

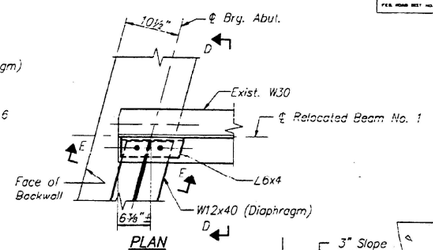




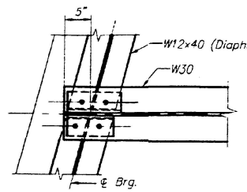
INTERIOR DIAPHRAGM DETAILS BETWEEN BEAMS 1 AND 2

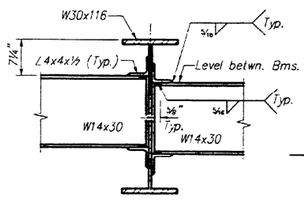


PLAN

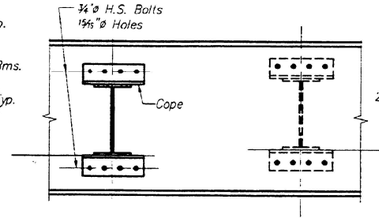


PLAN



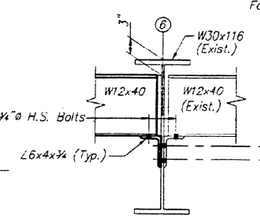


SECTION A–A
(ON SHT. 9)

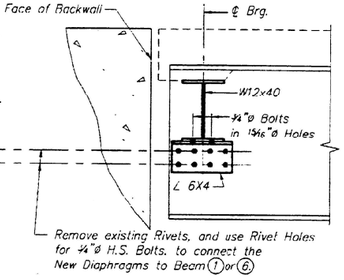


SECTION B–B
(ON SHT. 9)

INTERIOR DIAPHRAGM DETAILS

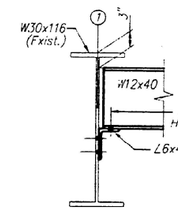


SECTION D–D

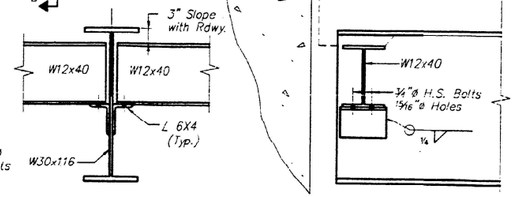


SECTION E–E

END DIAPHRAGM DETAILS AT BEAM No. 6



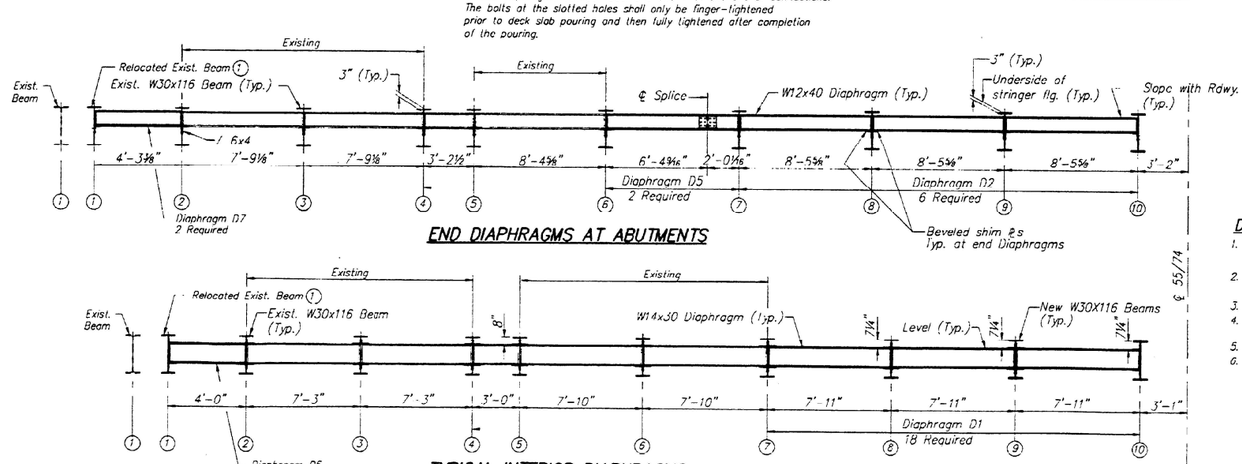
SECTION D–D



END DIAPHRAGM DETAILS AT BEAMS No. 8, 9 & 10

NOTE:
Two Hardened Washers are req'd. over all oversized holes.

NOTE:
Two Hardened Washers are req'd over all oversized holes.
Vertical slotted holes 1 1/2"x1 9/16" shall be provided for connection of end diaphragms between beams 6 and 7 at one end of connections. The bolts at the slotted holes shall only be finger-tightened prior to deck slab pouring and then fully tightened after completion of the pouring.



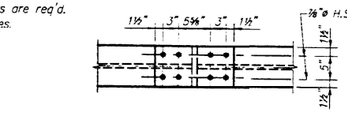
END DIAPHRAGMS AT ABUTMENTS

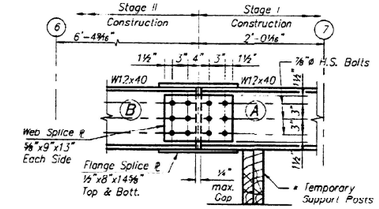
TYPICAL INTERIOR DIAPHRAGMS

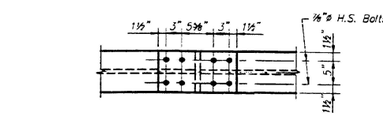
DIAPHRAGM SPLICE CONSTRUCTION SEQUENCE

1. Order W12x40 for end diaphragms adjacent to stage construction line in two sections (Ⓐ) and (Ⓑ).
2. Attach diaphragm Ⓐ to Beam 7 during Stage I Construction making sure to install and fully torque bolts in top flg. splice ℄ before pouring deck.
3. Place temporary support system between diaphragm Ⓐ and bearing seat.
4. Attach diaphragm Ⓑ to both Beam 6 and diaphragm Ⓐ during Stage II Construction.
5. Install the balance of the splice materials connecting diaphrams Ⓐ and Ⓑ.
6. Remove temporary Support System.

* Cost of temporary support posts is incidental to Furnishing and Erecting Structural Steel.







SPLICE AT END DIAPHRAGMS DETAILS
2 Required

Diaphragms to be spliced at Stage Construction line between beams 6 and 7. Use slotted holes.

DESIGNED	DAS
CHECKED	WCM
DRAWN	S.O.I.
CHECKED	WCM

HAZELET & ERDAL
DAMES & MOORE
FILE NUMBER 612\SIX-PTS

02/28/1996 10:11 D:\PROJECTS\612\SIX-PTS\DRAWINGS\PROJECT

STEEL FRAMING DETAILS
NORTHBOUND
155/74 OVER SIX POINTS ROAD
F.A.I. RTE. 55 (155/74) SECTION 57-6HB-3
McLEAN COUNTY
Sta. 23+65.86 (SIX POINTS RD.)
Sta. 568+50.32 (155/74)
STRUCTURE NUMBER: 057-0008

7 Revised: 8-14-96 K.F.K.

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #6 S.N. 057-0008

SCALE: | SHEET 5 OF 9 SHEETS | STA. | TO STA.

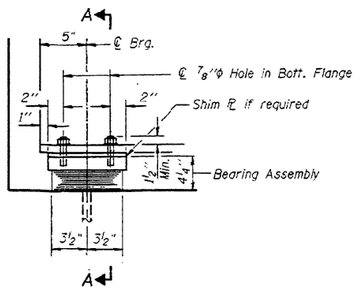
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	36
** D5 BRIDGE PAINTING 2023-1			CONTRACT NO. 70F43	
		ILLINOIS	FED. AID PROJECT	

MODEL: $MODELNAME5
FILE NAME: pw:\\dot-pw.bentley.com:PWDOT\Documents\IDOT Offices\District 5\Projects\D570F43\CADD\data\CAD\sheets\D570T73-sht-As Builts.cdn

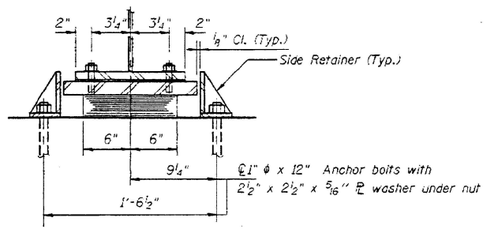
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 55	57-6HB-3	McLEAN	118	61
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 12
27 SHEETS

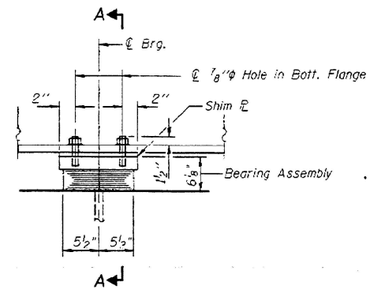


ELEVATION AT ABUT.

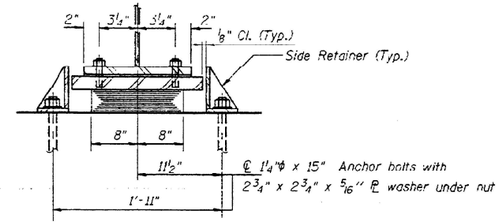


SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.
(AT ABUTMENT A - NEW BEAMS)



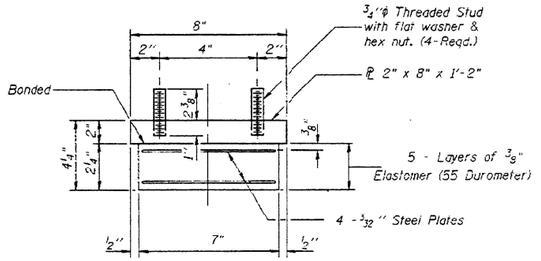
ELEVATION AT PIER.



SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.
(AT PIER 2 - NEW BEAMS)

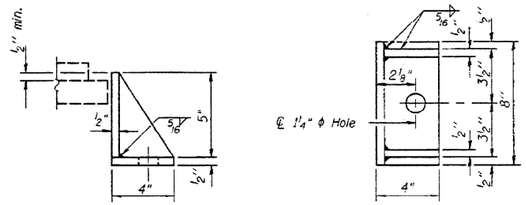
See sheet 16 for Anchor Bolt Installation.



BEARING ASSEMBLY
(AT ABUTMENT A - NEW BEAMS)

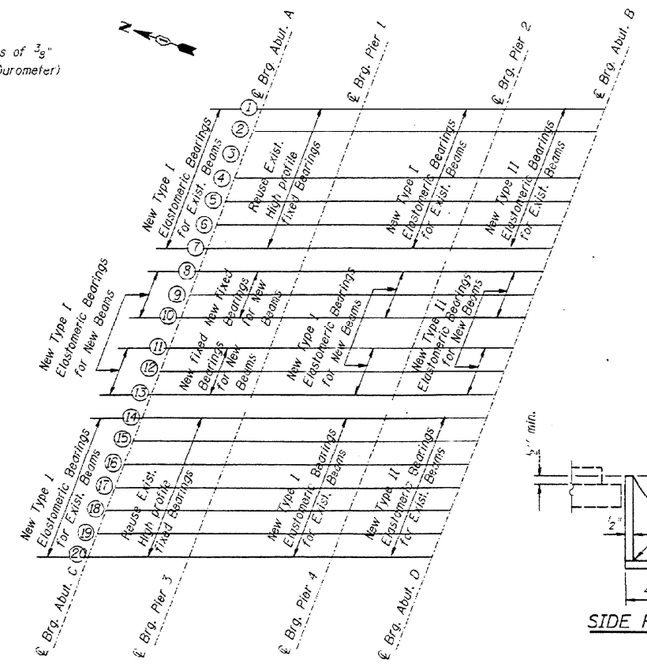
(Required 3 for Northbound)

Note: Shim plates shall not be placed under Bearing Assembly.

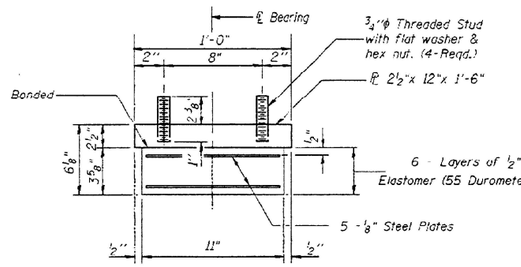


SIDE RETAINER FOR EXISTING AND NEW BEAMS
(AT ABUTMENT A)

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Structural Steel.



LOCATION PLAN FOR BEARINGS



BEARING ASSEMBLY
(AT PIER 2 -NEW BEAMS)

(Required 3 for Northbound)

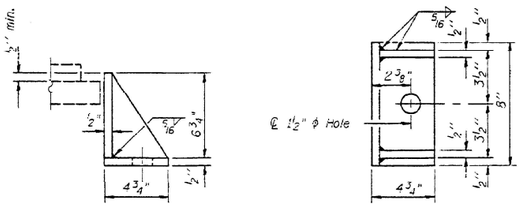
Note: Shim plates shall not be placed under Bearing Assembly.

This drawing includes information for the Northbound Structure as well as the Southbound Structure. Information related to the Southbound Structure is for Information only (By Others).

Work this Shteet with Sheets 13, 14 & 15.

BILL OF MATERIAL

Item	Unit	Northbound
Elastomeric Bearing Assembly, Type I	Each	20



SIDE RETAINER FOR EXISTING AND NEW BEAMS
(AT PIER 2)

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Structural Steel.

BEARING DETAILS
NORTHBOUND
I55/74 OVER SIX POINTS ROAD
F.A.I. RTE. 55 (I55/74) SECTION 57-6HB-3
McLEAN COUNTY
Sta. 23+65.86 (SIX POINTS RD.)
Sta. 568+50.32 (I55/74)
STRUCTURE NUMBER: 057-0008 (N.B.)

DESIGNED	NPP
CHECKED	WCM
DRAWN	MBS /SOI
CHECKED	WCM

I-2-E1 3-31-95

HAZELBT & ERDAL
DAMES & MOORE
FILE NUMBER 612/SIX-PTS
O:\DWGFILES\612\SIX-PTS\NB\NBEAR1.DGN

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #6 S.N. 057-0008

SCALE: | SHEET 6 OF 9 SHEETS | STA. | TO STA.

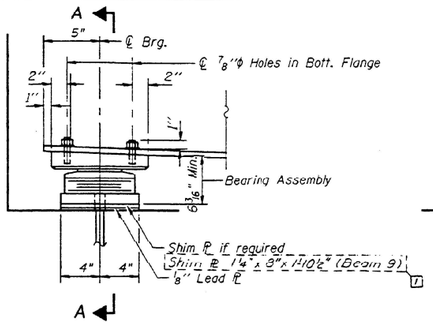
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	37
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAMES
FILE NAME: pw:\\dot-pw.bentley.com:PWDOT-Documents\IDOT Offices\District 5\Projects\D570F43\CAD\dot\CADsheets\D570T73-sht-As_Built.dgn

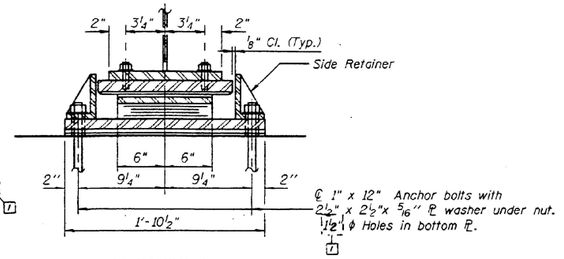
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 55	57-6HB-3	McLEAN	118	62
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 13
27 SHEETS

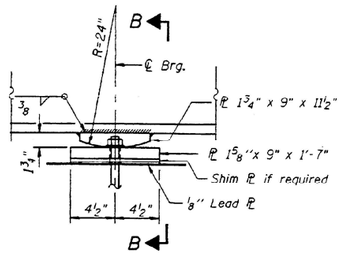


ELEVATION AT ABUT.

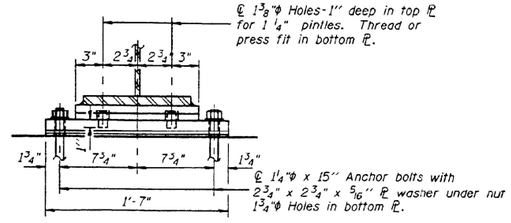


SECTION A-A

TYPE II TFE ELASTOMERIC EXP. BRG.
(AT ABUTMENT B -NEW BEAMS)



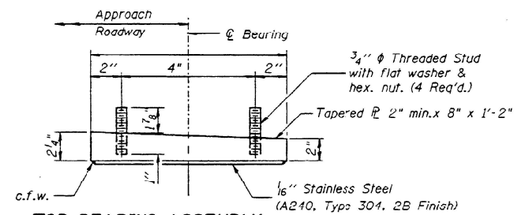
ELEVATION AT PIER



SECTION B-B

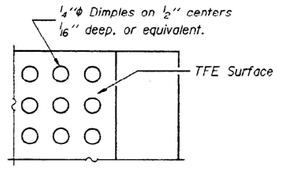
FIXED BEARING
(AT PIERS 1 -NEW BEAMS)
(Required 3 for Northbound)

Notes: Anchor bolts at fixed bearings may be built into the masonry.
See sheet 16 for Anchor Bolt installation.

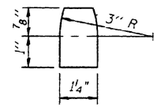


TOP BEARING ASSEMBLY
(ABUTMENT B -NEW BEAMS)
(Required 3 for Northbound)

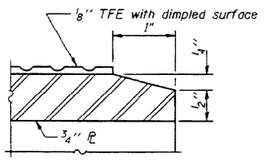
BOTTOM BEARING ASSEMBLY
ABUTMENT B
NEW AND EXISTING BEAMS
(10 Required)



PLAN-TFE SURFACE



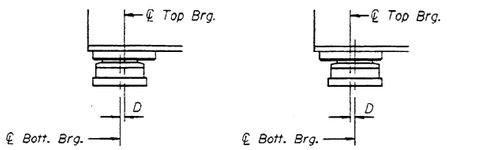
PINTLE (NEW BEAMS)



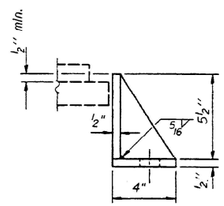
SECTION THRU TFE

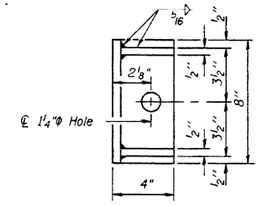
Note: The 1/8" TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of 1/8" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.



SETTING ANCHOR BOLTS AT EXP. BRG.
D=1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.





SIDE RETAINER FOR NEW AND EXISTING BEAMS
AT ABUTMENT B

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Structural Steel.

This drawing includes information for the Northbound Structure as well as the SouthboundStructure. Information related to the Southbound Structure is for Information only (By Others).

Note: Work this Sheet with Sheets 12, 14 & 15.

BILL OF MATERIAL

Item	Unit	Northbound
Elastomeric Bearing Assembly, Type II	Each	10

BEARING DETAILS
NORTHBOUND
I55/74 OVER SIX POINTS ROAD
F.A.I. RTE. 55 (I55/74) SECTION 57-6HB-3
McLEAN COUNTY
Sta. 23+65.86 (SIX POINTS RD.)
Sta. 568+50.32 (I55/74)
STRUCTURE NUMBER: 057-0008 (N.B.)

DESIGNED	NPP
CHECKED	WCM
DRAWN	MBS/SOI
CHECKED	WCM

I-2-E2 3-31-95

HAZELET & ERDAL
DAMES & MOORE
FILE NUMBER 612/SIXPTS
Q:\DWGFILES\612\SIX-P'S\NB\NBEAR2.DGN

7 Revised: 8-14-96 K.F.K.

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

AS-BUILT PLANS
LOCATION #6 S.N. 057-0008

SCALE: | SHEET 7 OF 9 SHEETS | STA. | TO STA.

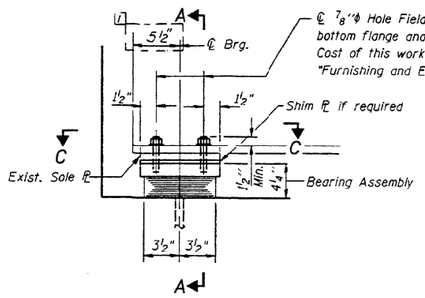
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	38
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME$
FILE NAME: pw:\\dot-pw.bentley.com:PWDOT Documents\IDOT Office of District 5 Projects\D570F43\CADD data\CADD sheets\D570F73-sht-As_Built.dgn

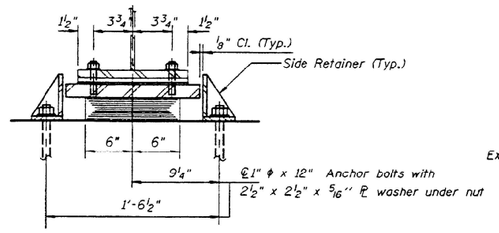
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 55	57-6HB-3	McLEAN	118	63
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

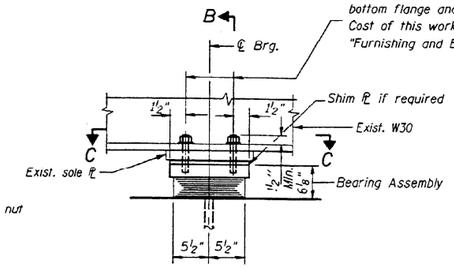
SHEET NO. 14
27 SHEETS



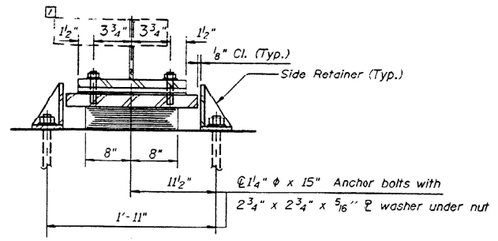
BEARING ATTACHMENT DETAIL
ELEVATION AT ABUT.



SECTION A-A



ELEVATION AT PIER.



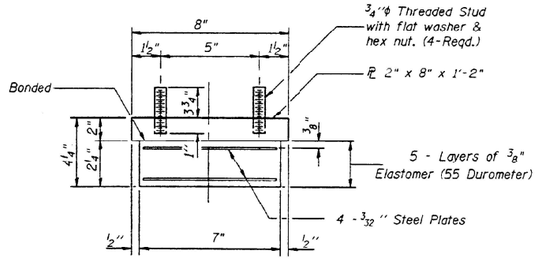
SECTION B-B

TYPE I ELASTOMERIC EXP. BRG.
(AT ABUTMENT A - EXISTING BEAMS)

⅛" Shim is required for Beam 2 at Abut. A

TYPE I ELASTOMERIC EXP. BRG.
(AT PIER 2 - EXISTING BEAMS)

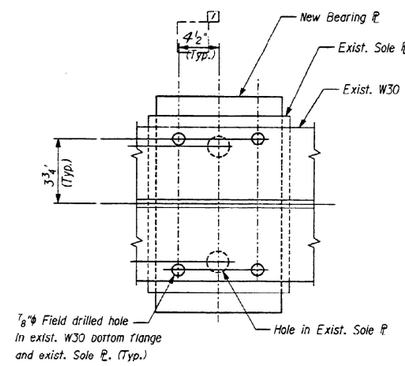
⅛" Shim is required for Beam 4 at Pier 2



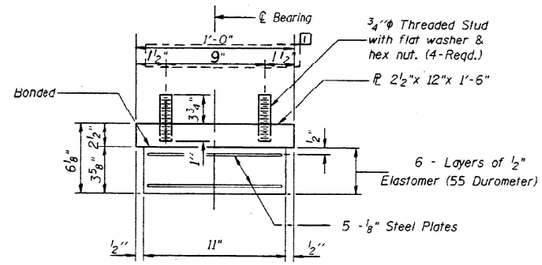
BEARING ASSEMBLY
(AT ABUTMENT A - EXISTING BEAMS)

(7 Required)

Note: Shim plates shall not be placed under Bearing Assembly.



PLAN VIEW C-C



BEARING ASSEMBLY
(AT PIER 2 - EXISTING BEAMS)

(7 Required)

Note: Shim plates shall not be placed under Bearing Assembly.

This drawing includes information for the Northbound Structure as well as the Southbound Structure. Information related to the Southbound Structure is for Information only (By Others).

Note: Work this Sheet with sheets 12, 13 & 15.

BEARING DETAILS
NORTHBOUND
I55/74 OVER SIX POINTS ROAD
F.A.I. RTE. 55 (I55/74) SECTION 57-6HB-3
McLEAN COUNTY
Sta. 23+65.86 (SIX POINTS RD.)
Sta. 568+50.32 (I55/74)
STRUCTURE NUMBER: 057-0008 (N.B.)

DESIGNED	NPP
CHECKED	WCM
DRAWN	MBS/SOI
CHECKED	WCM

I-2-E1 3-31-95

HAZELET & ERDAL
DAMES & MOORE
FILE NUMBER 612/SIIPTS
O:/DWGFILES/612/SIX-PTS/MB/MBEAR3.DGN

1 Revised: 8-14-96 K.F.K.

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

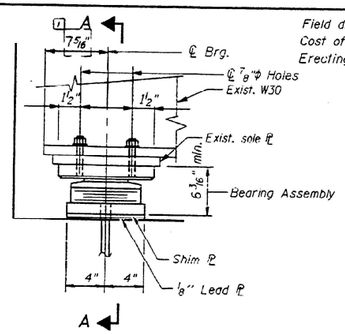
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #6 S.N. 057-0008

SCALE: | SHEET 8 OF 9 SHEETS | STA. | TO STA.

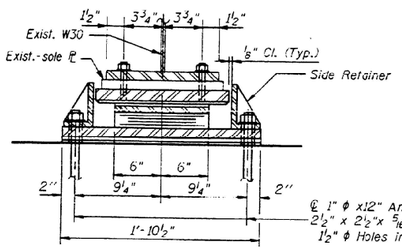
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	39
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS	FED. AID PROJECT			

MODEL: SMODELNAMES
FILE NAME: pw:\\dist-pw.bentley.com:PWIIDOT Documents\IDOT Offices\District 5\Project\D570F43\CADData\CADSheets\D570F73-sht-As_Builts.dgn



ELEVATION AT ABUT.

Field drill holes in exist.W30 bottom flange and exist. sole ℄. Cost of this work shall be included in " Furnishing and Erecting Structural Steel".



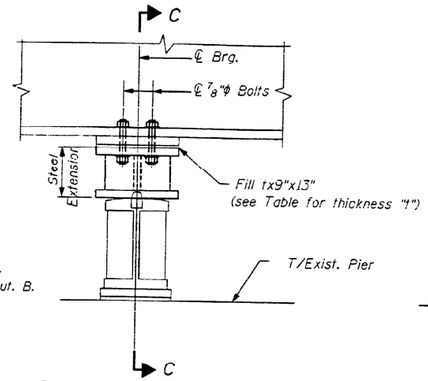
SECTION A-A

℄ 1" ϕ x12" Anchor bolts with 2 1/2" x 2 1/2" x 5/16" ℄ washer under nut.
1 1/2" ϕ Holes in bottom ℄.

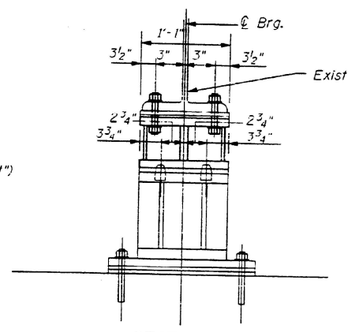
See sheet 16 for Anchor Bolt installation.
1/8" shim Required for Beams (2) & (4) at Abut. B.

TYPE II TFE ELASTOMERIC EXP. BRG.
(AT ABUTMENT B -EXISTING BEAMS)

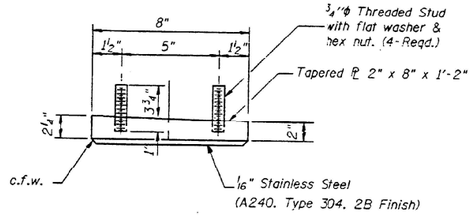
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION AT PIER 1



SECTION C-C
AT ALL EXISTING BEAMS, EXCEPT AT BEAM (1)



TOP BEARING ASSEMBLY
(ABUTMENT B -EXISTING BEAMS)

(Required 7 for Northbound)

TABLE FOR FILL PLATES AT STEEL EXTENSIONS

Pier 1 Beams*	2	3
Fill ℄ Thickness "t"	1/4"	1/16"

* For Beam numbers ref. to sht. 9 & 4.

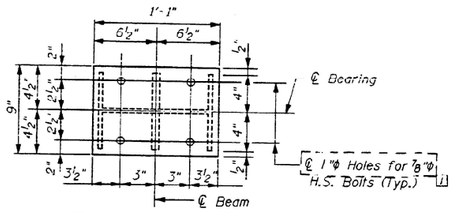
Note: New Steel Extensions and connection bolts are included in "Furnishing and Erecting Structural Steel". See sht. 16 for Anchor Bolt installation.

PROPOSED STEEL EXTENSION FOR EXISTING BEAMS
(NORTHBOUND PIER 1)

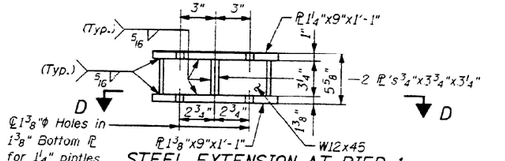
See sheet 16 for Anchor Bolt installation.

Note: The 1/8" 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 1/8" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

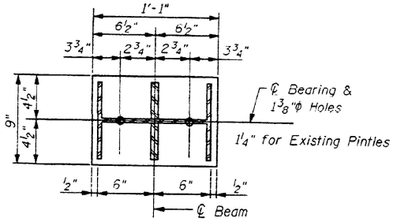


PLAN TOP PLATE



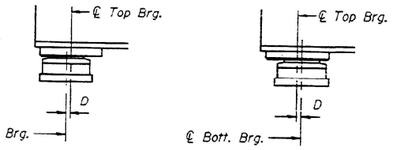
STEEL EXTENSION AT PIER 1

Equivalent welded plates will be allowed in lieu of W12x45 section.



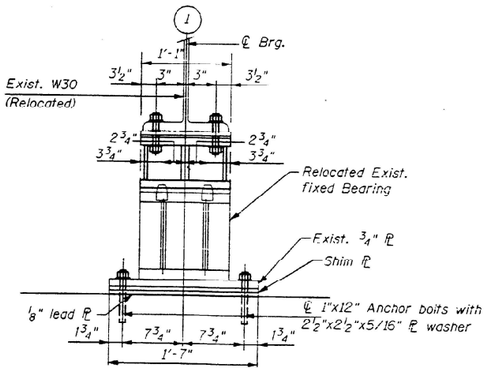
SECTION D-D

(7 Steel Extensions required for Northbound Beams)



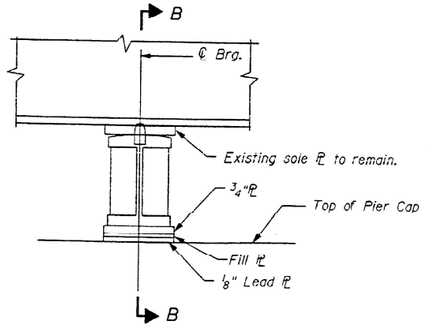
SETTING ANCHOR BOLTS AT EXP. BRG.

D=1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.



SECTION B-B AT BEAM (1)

(7 Existing Fixed Bearings at Pier 1 to be reused with new steel extensions.)
The Existing Fixed Bearing at Beam 1 shall be Relocated with the relocation of Existing Beam. The Cost of Relocating Existing Fixed Bearing including new Anchor bolts shall be included in the Cost of Pay Item "Furnishing and Erecting Structural Steel".



SECTION THRU EXISTING BEARING

This drawing includes information for the Northbound Structure as well as the Southbound Structure. Information related to the Southbound Structure is for Information only (By Others).

Note:
Work this Sheet with Sheets 12, 13 and 14.

BEARING DETAILS
NORTHBOUND
I55/74 OVER SIX POINTS ROAD
F.A.I. RTE. 55 (I55/74) SECTION 57-6HB-3
McLEAN COUNTY
Sta. 23+65.86 (SIX POINTS RD.)
Sta. 568+50.32 (I55/74)
STRUCTURE NUMBER: 057-0008 (N.B.)

DESIGNED	NPP
CHECKED	WCM
DRAWN	MBS/SOI
CHECKED	WCM

I-2-E2 3-31-95

HAZELET & ERDAL
DAMES & MOORE
FILE NUMBER 612/SIXPTS
c:\DWGFILES/612/SIX-PTS/NB/NBEAR4.DGN

1 Revised: 8-14-96 K.F.K.

+ CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #6 S.N. 057-0008

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	40
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS	FED. AID PROJECT			

MODEL: $MODELNAMES
FILE NAME: ow:\\lfdotgw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570F43\CADData\CADSheets\D570F73-3rd-As Built.dgn

B.M.–Top of North East wingwall of Six Pts. Road Bridge over I55/74 EL. 789.90

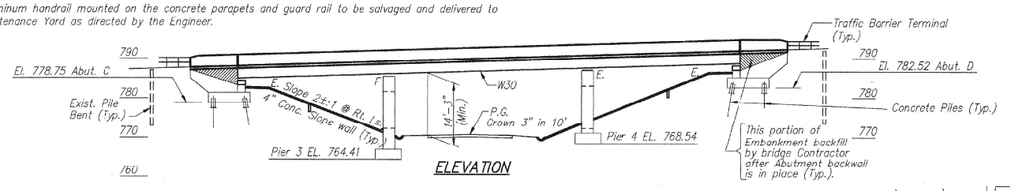
Existing Structures: Sta. 568+50.32, F.A.I. Route 55, Sec. 57–6HB–3
Built in 1963, Structure numbers 057–0008 (N.B.) and 057–0009 (S.B.)
Superstructure: reinforced concrete deck on continuous steel beams,
Substructure: concrete pile bent abutments, 3–bay rectangular piers.
Concrete deck to be removed, structure widened, existing steel members to be reused shall be painted.
Reused beams to be raised to minimize fillets and expansion bearings to be replaced.
Existing fixed bearings to be reused.
Traffic to be maintained utilizing stage construction.

Existing Aluminum handrail mounted on the concrete parapets and guard rail to be salvaged and delivered to District Maintenance Yard as directed by the Engineer.

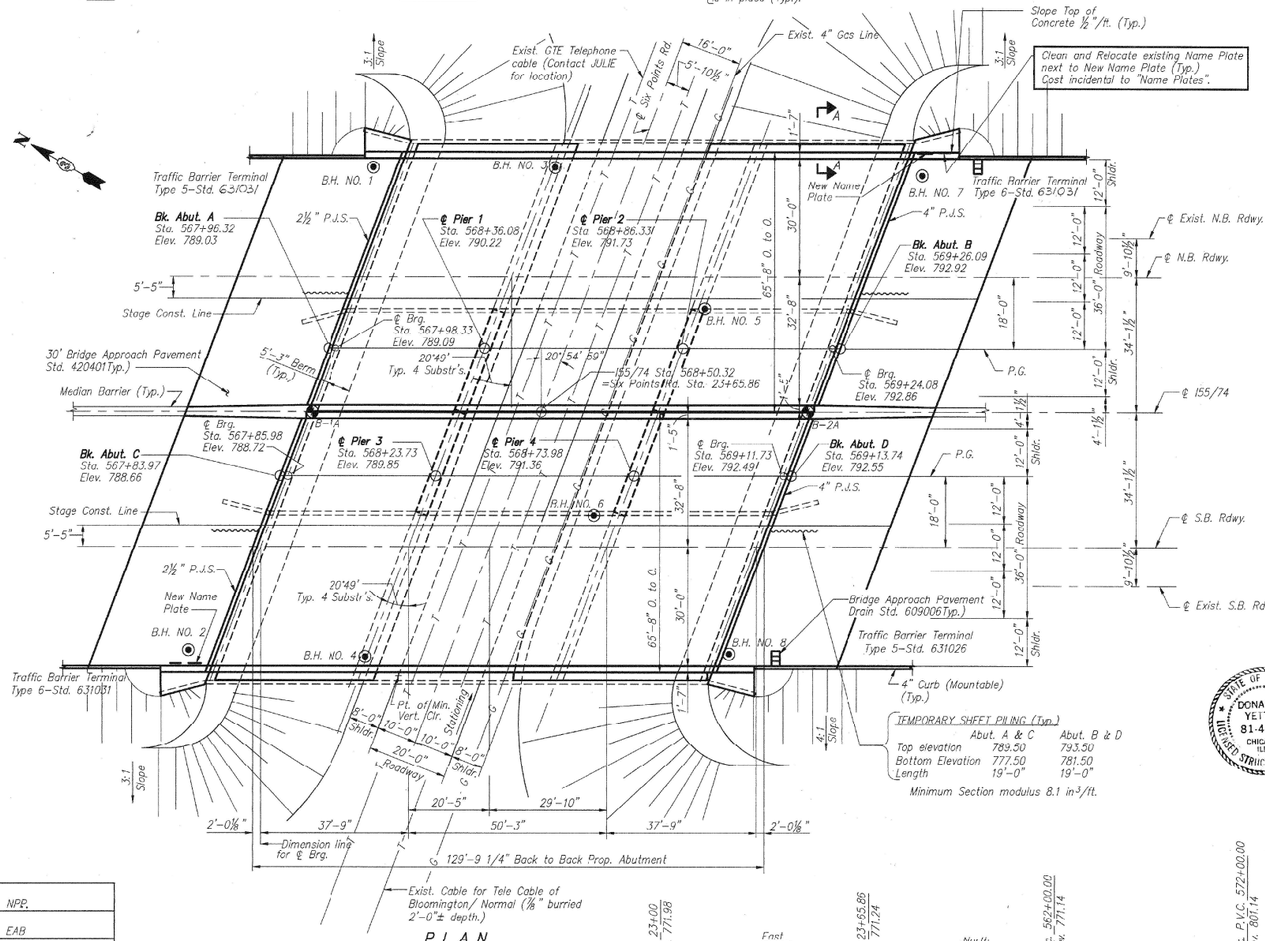
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 55		McLEAN	339	247
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

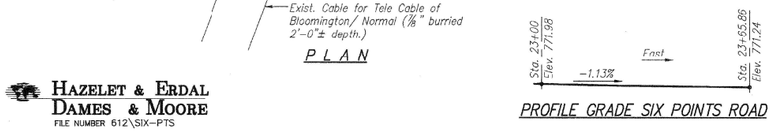
SHEET NO. 1 OF 27 SHEETS



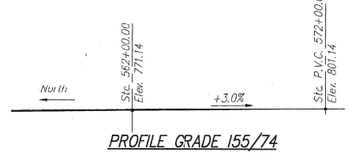
ELEVATION



PLAN



PROFILE GRADE SIX POINTS ROAD



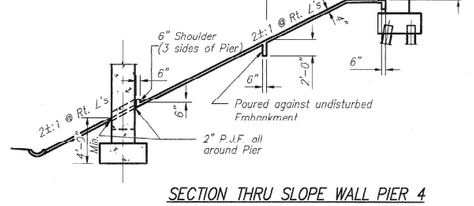
PROFILE GRADE I55/74

DESIGNED	NPP.
CHECKED	EAB
DRAWN	SOI
CHECKED	EAB

HAZELET & ERDAL
DAMES & MOORE
FILE NUMBER 612\SIX–PTS

06/30/1997 C:\DESIGN\DWGFILES\612\SIX-PTS\SB\GP-ELEV
X-Refs: ILL

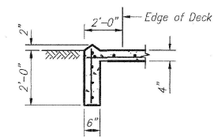
*57-(6,7)R, HBR, BR, VB, VBR



SECTION THRU SLOPE WALL PIER 3
(For info. not shown see SECTION THRU SLOPE WALL PIER 4)

SECTION THRU SLOPE WALL PIER 4
(Dimensions shown @ Rt. 1's)

NOTE:
COST OF FURNISHING AND PLACING OF ANY ADDITIONAL SUBGRADE MATERIAL NECESSARY FOR GRADING BENEATH SLOPEWALL IS INCLUDED IN THE UNIT COST OF SLOPE WALL 1".



SECTION A–A

STAGING INFORMATION
Two lane traffic shall be maintained on I–55/74 throughout the construction period. See Cross–Section on Sht. 23 for location of temporary barriers. This project will be constructed in two stages for both the Northbound and Southbound Lanes. Traffic will be maintained on the existing bridge during Stage I construction and shifted to the newly constructed part of Proposed Structure during Stage II construction. (See Shts. 23 & 24 for details of Stage Construction).

STATION 568+50.32
REBUILT BY
STATE OF ILLINOIS
F.A.I. RT. 55 (I55/74) SEC.57–6HB–3
F.A. PROJ.
LOADING HS20 & ALT.
STR. NO. 057–0009

SOUTHBOUND NAME PLATE
See Std. 515001

DESIGN STRESSES (NEW CONSTRUCTION)
FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinf.)
fs = 20,000 psi (Struct.) (M270, Gr. 36)

DESIGN STRESSES (EXIST. BEAMS REUSED)
FIELD UNITS
fs = 20,000 psi (Struct.)

SEISMIC DATA
Seismic Performance Category (S.P.C.) = A
Acceleration Coefficient (A) = 0.045g
Site Coefficient (S) = 1.0

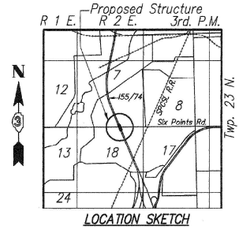
DESIGN SPECIFICATIONS
1992 AASHTO and 1993 and 1994 Interims.

LOADING HS20–44 & ALTERNATE
Allow 25#/sq. ft. for future wearing surface.

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DONALD E. YEITER
81-4709
CHICAGO, ILL.
LICENSED STRUCTURAL ENGINEER

Donald E. Yeitter
07-31-97
EXPIRES 11-30-98



LOCATION SKETCH

This drawing includes information for the Southbound Structure as well as the Northbound Structure. Information related to the Northbound Structure is for information only (By Others)

GENERAL PLAN AND ELEVATION
SOUTHBOUND
I55/74 OVER SIX POINTS ROAD
F.A.I. RTE. 55 (I55/74)
SECTION 57–6HR–3
Sta. 23+65.86 (SIX POINTS RD.)
Sta. 568+50.32 (I55/74)
McLEAN COUNTY
STRUCTURE NUMBER: 057–0009

+ CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS–BUILT PLANS
LOCATION #7 S.N. 057–0009

SCALE: | SHEET 1 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	41
** D5 BRIDGE PAINTING 2023-1			CONTRACT NO. 70F43	
		ILLINOIS	FED. AID PROJECT	

MODEL: \$MODELNAME\$
FILE NAME: p:\xfiles\dgn.be-dfg.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570F43\CADData\CADsheets\D570T73-sht-As Builts.dgn

F.A.I. 55		McLEAN	TOTAL SHEETS 339	SHEET NO. 252	SHEET NO. 6
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		of 27 SHEETS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

127'-2⅝" End to End of Deck *S7-(L or TR)-HBR-EB-WB-VER

39'-0¾" Span 1 | 50'-3" Span 2 | 37'-10⅜" Span 3

@ 50°

2¾"

128-#4 d3(E) bars @ 12" cts. Median Parapet Outside Face

139-#5 d1(E) bars @ 11" cts. Median Parapet Inside Face

137-#6 a2(E) bars @ 11" cts. Top. Ec. Parapet (Lap with alternate a(E) bars)

1¼" @ 50°

2-#6 b1(E) bars below Parapet Top of slab over Piers. Alternate with b(E) bars

3x5-#5 b(E) bars below Parapet Top of slab

2-#6 b1(E) bars below Parapet Top of slab over Piers. Alternate with b(E) bars

6⅞" (Typ.)

1-#5 a6(E) bar Typ. Top & Bottom

2½" P.J.S. See sht. 7 for Details

28'-8" Stage I

26-#6 b1(E) bars @ ±12" cts. Top of slab over Piers alternate with b(E) bars

29x6-#5 b2(E) bars spaced as shown in cross-section Bottom of slab

1'-0"

27x5-#5 b(E) bars Equally spaced @ ±12" cts. Top of slab

25-#6 b1(E) bars @ ±12" cts. Top of slab over Piers alternate with b(E) bars

16'-6" (Typ.)

16'-4" (Typ.)

255-#5 a(E) bars @ 5½" cts. Top

175-#5 a(E) bars @ 8" cts. Bottom

4" P.J.S. See sht. 7 for Details

*16-#5 a4(E) bars @ 8" cts. Bottom

*23-#5 a4(E) bars @ 5½" cts. Top

Stage Construction Line and Bonded Longitudinal Construction Joint. Do not edge.

℄ Pier 3

Back of Abut. C

1-#5 a5(E) bar Typ. Top & Bottom

9'-10⅛"

5'-5"

37'-0" Stage II

20±49° Skew

35-#6 b1(E) bars @ ±12" cts. Top of slab over Piers alternate with b(E) bars

38x6-#5 b2(E) bars spaced as shown in cross-section Bottom of slab

36x5-#5 b(E) bars Equally spaced @ ±12" cts. Top of slab

℄ Pier 4

℄ S.B. Roadway

℄ Exist. S.B. Roadway

Back of Abut. D

35-#6 b1(E) bars @ ±12" cts. Top of slab over Piers alternate with b(E) bars

248-#5 a1(E) bars @ 5½" cts. Top

169-#5 a1(F) bars @ 8" cts. Bottom

*24-#5 a3(E) bars @ 8" cts. Bottom

*31-#5 a3(E) bars @ 5½" cts. Top

1'-0" | 7" | 2¼" | 2" | 7¾" | 2'-6"

See Detail C on sheet 8

2-#6 b1(E) bars below Parapet Top of slab over Piers. Alternate with b(E) bars

6'-2⅜" | 6'-2⅜" | 7¼" (Typ.)

3x5-#5 b(E) bars below Parapet Top of slab

Aluminum sheeted const. joints in base of parapet

6' 1⅛"

2-#6 b1(E) bars below Parapet Top of slab over Piers. Alternate with b(E) bars

6' 1¼"

1'-0" | 7" | 2¼" | 7" | 1'-5"

See Detail B on sheet 8

139-#5 d1(E) bars @ 11" cts. Fascia Parapet Inside Face

128-#4 d3(E) bars @ 12" cts. Fascia Parapet Outside Face

PLAN

℄ 155/74

65' 8" O. to O. Deck

½" | 1'-3" | 62'-8" Face to Face of Parapets | 1'-7"

28'-8" Stage I | 37'-0" Stage II

7¾" | 2¼" | 2'-8" | 12'-0" Shoulder | 12'-0" | 12'-0" | 12'-0' | 12'-0" Shoulder | 2¼" | 7¾" | 2"

2" Dia. conduit

Slope ¼" per ft. | Slope ⅜" per ft. | Slope ⅜" per ft. | Slope ⅜" per ft. | Slope ¼" per ft.

Total Drop Median side = 8⅜"

Total Drop fascia side = 5¼"

Stage Construction Line and Longitudinal Bonded Construction Joint – Do not edge

Crown

2¼" cl (±⅛")

7½" (Typ.)

1'-9" | 11½" | 9" | 7" | 2'-10"

d2(E) | d3(E) | b(E) | d(E) | d1(E) | a2(E) | P.C. | a(E) | b(E) | 2-b2(E) | a1(E) | a2(E) | b(E) | b1(E) | d(E) | d1(E) | d4(E) | d3(E) | b1(E) | 3-b2(E) | a(E) | a1(E) | 3-b2(E)

1" cl

3" | 3" | 11" | 8½" | 8½" | 8½" | 8½" | 9" | 9" | 7½" | 7½" | 7½" | 7½" | 2" | 2½"

6-#5 b2(E) bars @ 12" cts. 1'-10½"

8-#5 b2(E) bars @ 11" cts. Typ. btwn. 3 beam lines

5'-11½"

8-#5 b2(E) bars @ 11" cts.

3-#5 b2(E) bars @ 9" cts.

7-#5 b2(E) bars @ 12" cts. Typ. btwn. 2 beam lines

4-#5 b2(E) bars @ 12" cts.

Existing W30 Relocated

11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20

3'-0½" | 3 spa. @ 7'-11"=23'-9" | 2 spa. @ 7'-10"=15'-8" | 3'-0" | 2 spa. @ 7'-3" = 14'-6" | 4'-0" | 1'-8½"

NEAR MIDSPAN

CROSS SECTION
(Looking South)

NEAR PIER

* Order a3(E) & a4(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

Notes:

1. See sheet 7 and 8 for Parapet Details and Bill of Material.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line
4. See sheet 7 for section A-A.
5. Minimum lap length for #5 bars = 2'-2",
6. Hatched area to be poured after superstructure forms have been removed. Quantity of concrete included with CONCRETE SUPERSTRUCTURE.
7. The cost of furnishing and installing 2" Dia. conduit is included in the price of pay item CONCRETE SUPERSTRUCTURE.

Work this Sheet with Sheets 7 & 8.

DESIGNED	EAB
CHECKED	NPP
DRAWN	MBS/SOI
CHECKED	NPP

7-1-91

HAZELET & ERDAL
DAMES & MOORE
FILE NUMBER 612\SIX-PTS

06/20/1997 CODEAID:\DWGFILES\612\SIX-PTS\SR\SDECKRE

X-Refs: 61

DECK REINFORCEMENT
SOUTHBOUND
I55/74 OVER SIX POINTS ROAD
F.A.I. RTE. 55 (I55/74)
SECTION 57-6HB-3
Sta. 23+65.86 (SIX POINTS RD.)
Sta. 568+50.32 (I55/74)
McLEAN COUNTY
STRUCTURE NUMBER: 057-0009

* CHAMPAIGN, MCLEAN & PIATT

MODEL: $MODELNAME$
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USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #7 S.N. 057-0009

SCALE: | SHEET 2 OF 9 SHEETS | STA. | TO STA.

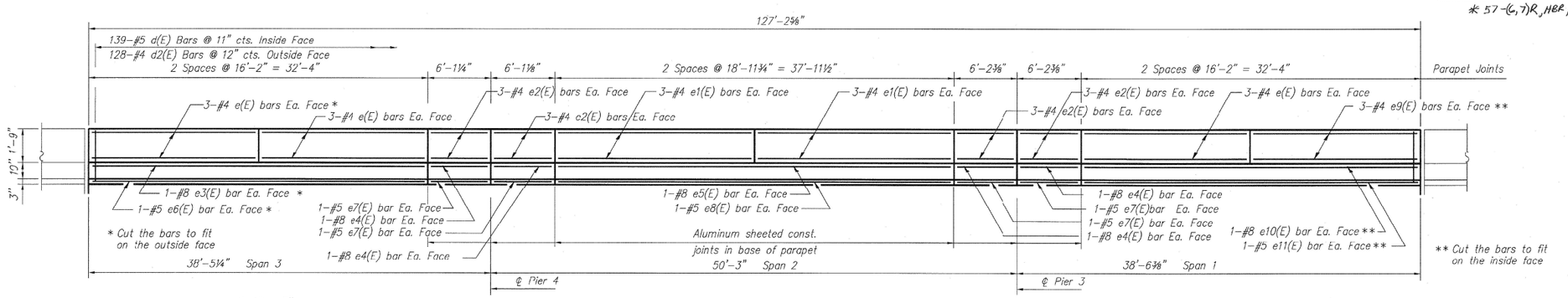
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	42
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

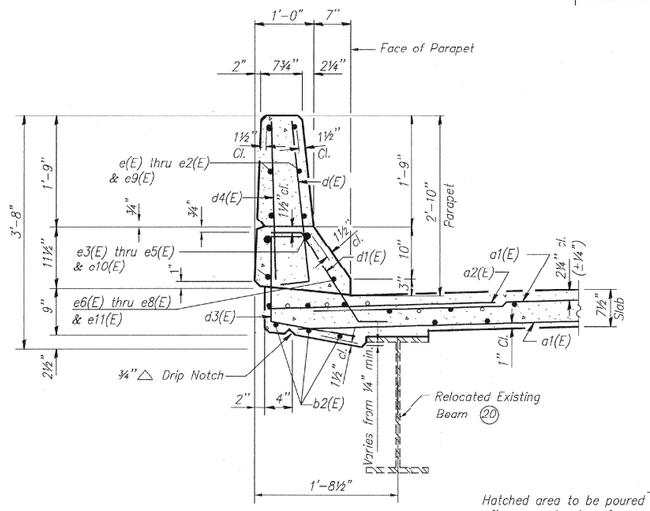
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 55	*	McLEAN	339	253
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 7 OF 27 SHEETS

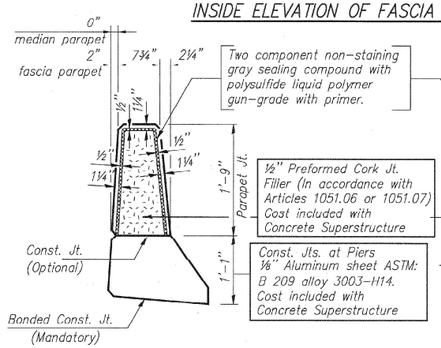
* 57-(6,7)R, HER, BR, VB, VBR



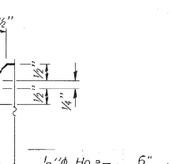
INSIDE ELEVATION OF FASCIA PARAPET



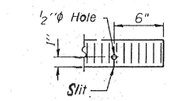
SECTION THRU PARAPET



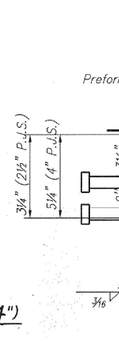
PARAPET JOINT DETAILS



SEAL CUT-OUT (4")

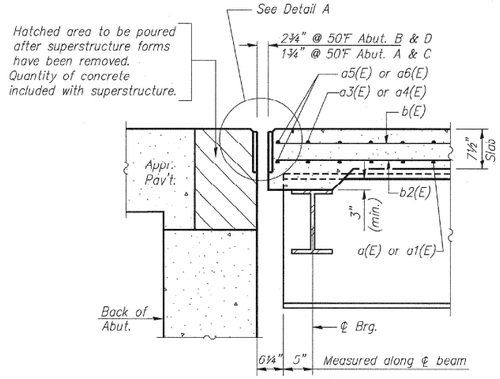


SEAL CUT-OUT (2½")

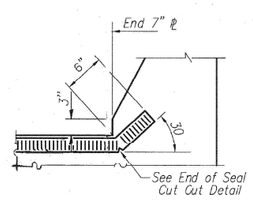


DETAIL A

*** Furnish in segments of 20 ft. maximum length. Maximum space between installed segments shall be 1/16". Seal space with Silicone Sealant suitable for Structural Steel.



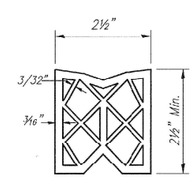
SECTION A-A



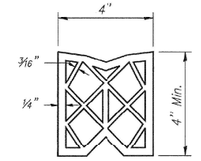
TYPICAL END OF SEAL TREATMENT
FOR FASCIA & MEDIAN PARAPETS

END OF PLATE

Note: After fabrication all surfaces of the steel plates shall be given one shop coat of paint specified for Structural Steel. No field painting required.



PREFORMED JOINT SEAL (2½")



PREFORMED JOINT SEAL (4")

Notes:
See sheet 6 for Section A-A.
Preformed joint seal shall not be cut at the stage joint.
Work this Sheet with Sheets 6 and 8.

DESIGNED	NPP
CHECKED	EAB
DRAWN	MBS
CHECKED	EAB

S-1-D 7 3-31-95

HAZELET & ERDAL
DAMES & MOORE
FILE NUMBER 612\SIX-PTS

06/26/1997 COGSDID:\DWGFILES\612\SIX-PTS\SB\SPARAPET

FACIA PARAPET DETAILS
SOUTHBOUND
I55/74 OVER SIX POINTS ROAD
F.A.I. RTE. 55 (I55/74)
SECTION 57-6HB-3
Sta. 23+65.86 (SIX POINTS RD.)
Sta. 568+50.32 (I55/74)
McLEAN COUNTY
STRUCTURE NUMBER: 057-0009

* CHAMPAIGN, MCLEAN & PIATT

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USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #7 S.N. 057-0009

SCALE: | SHEET 3 OF 9 SHEETS | STA. | TO STA.

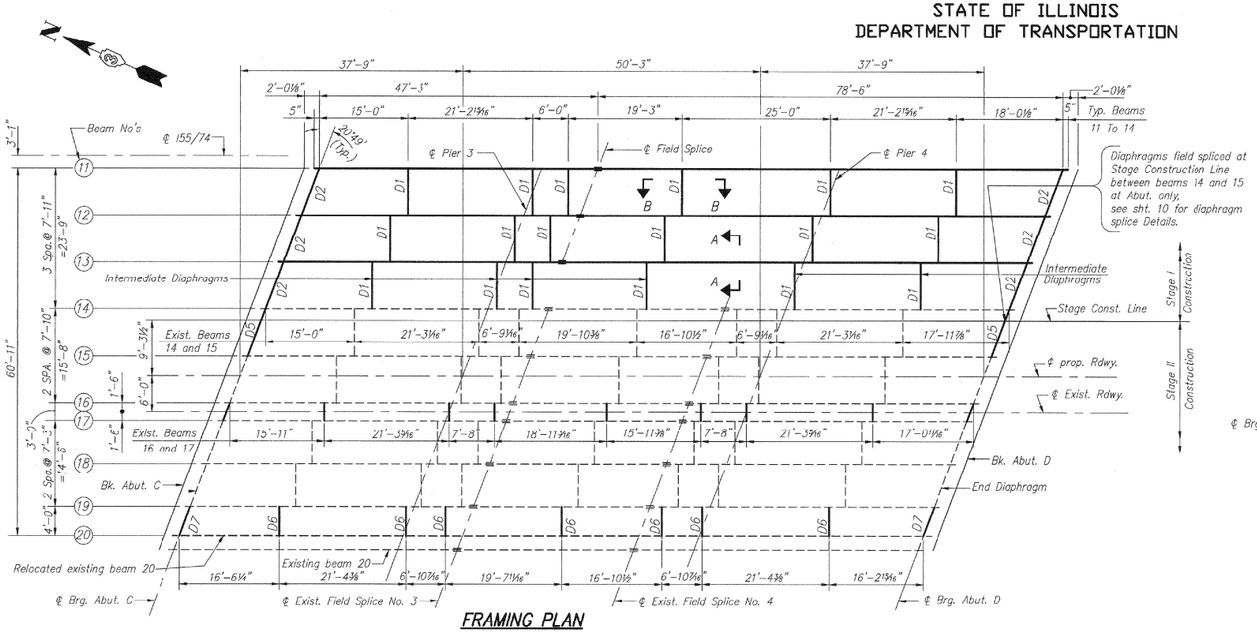
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	43
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS	FED. AID PROJECT			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

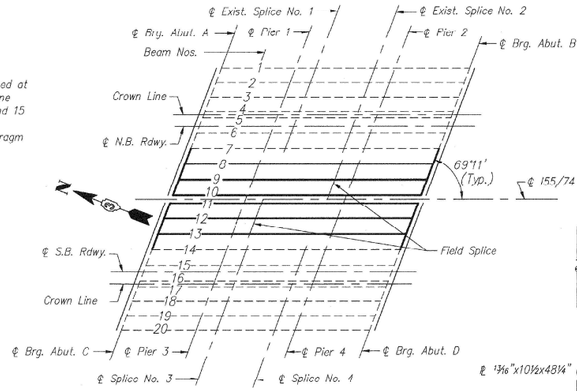
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 55		McLEAN	339	255
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 9 OF 27 SHEETS

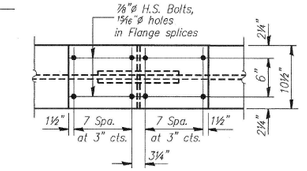
*57-(4,7)R HER, BR, VB, VBR

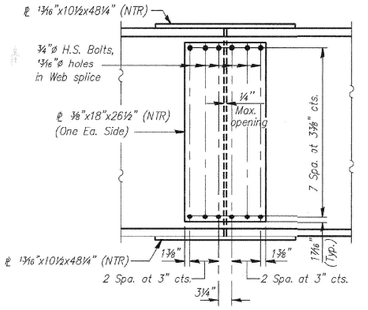


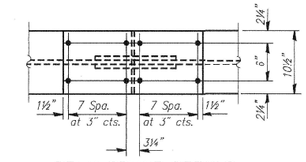
FRAMING PLAN



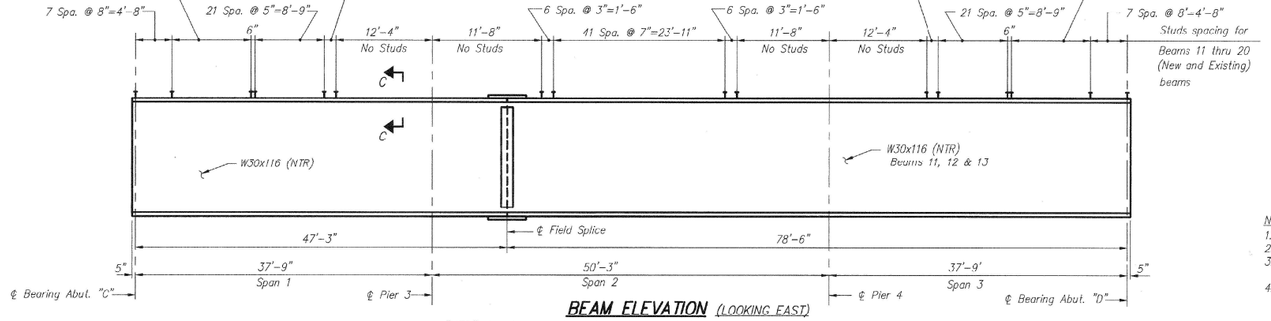
KEY PLAN







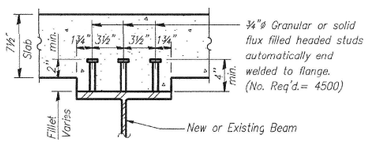
BEAM SPLICE DETAILS
(3 Required)



BEAM ELEVATION (LOOKING EAST)

"NTR" denotes members to which notch toughness requirements are applicable.

NOTES:
1. See Sheet 10 for Sections A–A and B–B.
2. Work this Drawing with Sheets 12, 13, 14 & 15.
3. See Sheet 15 for Steel Extension Details at fixed bearings for existing Beams.
4. After removal of existing concrete deck for Stage I work is completed, the diaphragms between beams 14 & 15 shall be disconnected and stored. Beam 14 shall be either jacked and shored or disassembled and stored. After Stage II concrete deck is poured, these members shall be reconnected using similar size high strength bolts. The Cost of this work shall be included in the PAY ITEM "Jacking Existing Superstructure."
5. The cost of furnishing and installing new bolt holes shall be included in the price of pay item FURNISHING AND ERECTING STRUCTURAL STEEL.
6. The existing diaphragms between beams 19 and 20 shall be removed and existing beam 20 shall be relocated.



SECTION C–C
TYPICAL

ELEVATION AT TOP OF BEAMS

LOCATION	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
℄ BEARING ABUT "C"	787.870	788.005	788.065	788.097	788.101	788.004	787.939	787.741	787.537	787.354
℄ BEARING PIER 3	789.030	789.105	789.165	789.201	789.205	789.108	789.043	788.845	788.641	788.458
℄ SPLICE 1	–	–	–	789.501	789.505	789.407	789.343	789.144	788.941	788.758
℄ SPLICE 2	–	–	–	790.393	790.397	790.300	790.235	790.037	789.833	789.650
℄ FIELD SPLICE	790.157	790.292	790.352	–	–	–	–	–	–	–
℄ BEARING PIER 4	790.515	790.590	790.650	790.709	790.712	790.650	790.551	790.352	790.148	790.965
℄ BEARINC ABUT "D"	791.703	791.778	791.838	791.870	791.874	791.776	791.712	791.513	791.310	791.127

NOTES: 1. For location see Key Plan
2. Table Elevation of top of Beams is for fabrication use only.

DESIGNED	NPP
CHECKED	EAB
DRAWN	SOI
CHECKED	EAB

G–1 4–1–79
06/20/1997 C:\DGN\DWGFILES\612\SIX-PTS\SB\SFRMP.dgn
#561-M

HAZELET & ERDAL
DAMES & MOORE
FILE NUMBER 612\SIX–PTS

STEEL FRAMING PLAN
SOUTHBOUND
155/74 OVER SIX POINTS ROAD
F.A.I. RTE. 55 (155/74)
SECTION 57–6HB–3
Sta. 23+65.86 (SIX POINTS RD.)
Sta. 568+50.32 (155/74)
McLEAN COUNTY
STRUCTURE NUMBER: 057–0009

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS–BUILT PLANS
LOCATION #7 S.N. 057–0009

SCALE: | SHEET 4 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	44
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
		ILLINOIS	FED. AID PROJECT	

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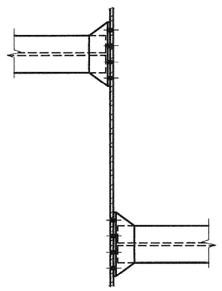
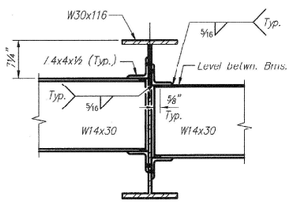
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 55		McLEAN	339	256 OF 27 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

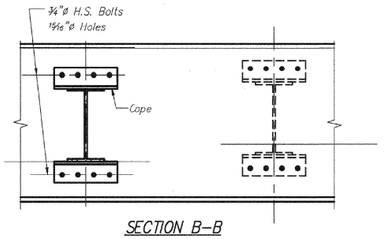
SHEET NO. 10

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



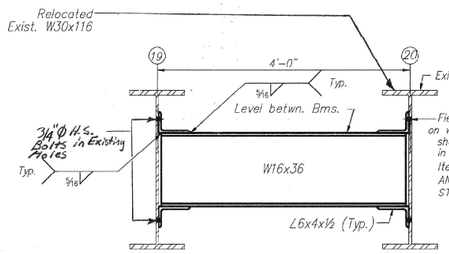


SECTION A–A
(ON SHT. 9)

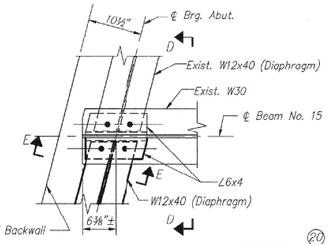


SECTION B–B
(ON SHT. 9)

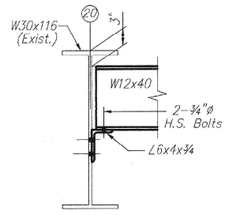
INTERIOR DIAPHRAGM DETAILS



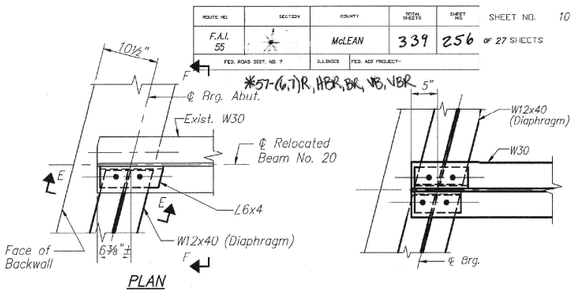
INTERIOR DIAPHRAGM DETAILS BETWEEN BEAMS 19 AND 20



PLAN



SECTION F–F



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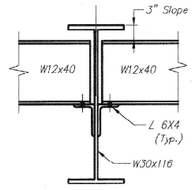
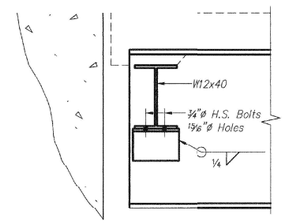
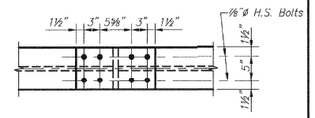
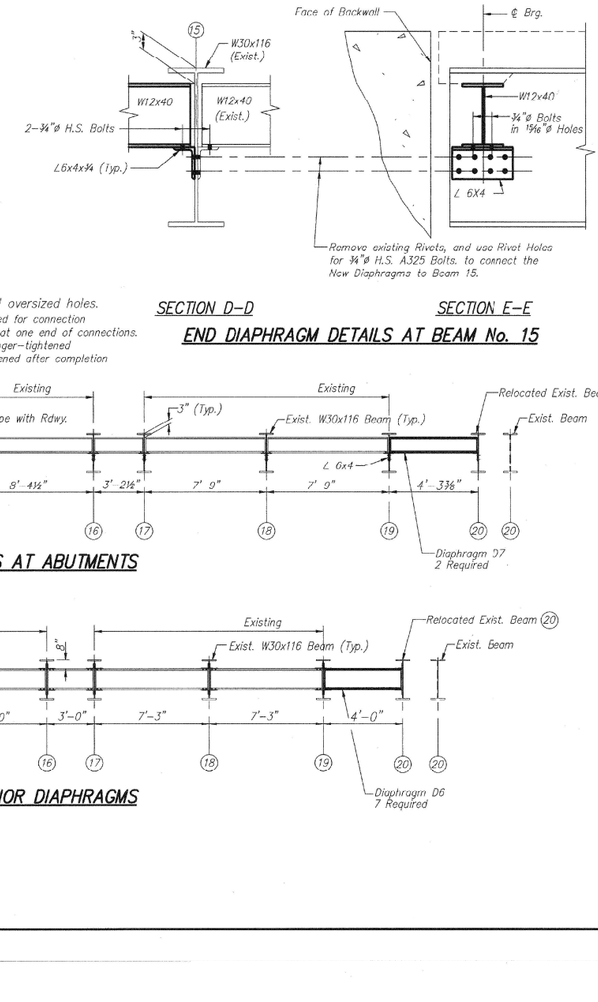




END DIAPHRAGM DETAILS AT BEAMS No. 11, 12 & 13

NOTE:
Two Hardened Washers are req'd. over all oversized holes.



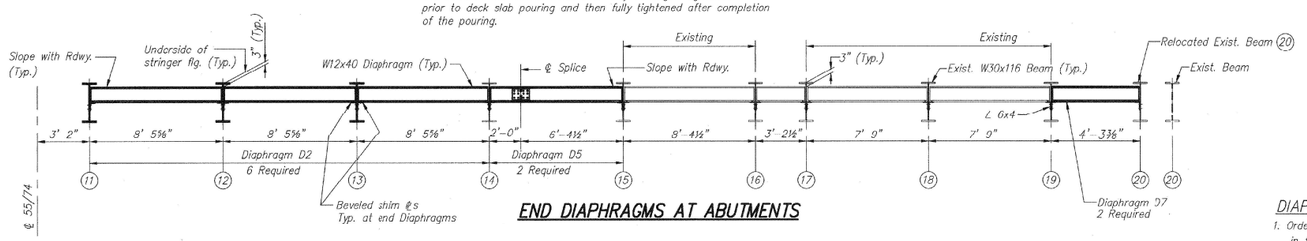


SECTION D–D

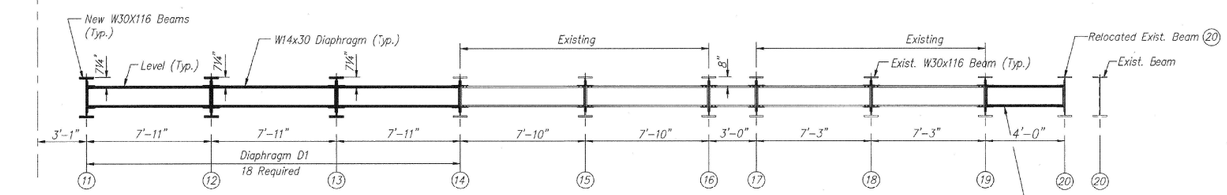
SECTION E–E

END DIAPHRAGM DETAILS AT BEAM No. 15

NOTE:
Two Hardened Washers are req'd over all oversized holes.
Vertical slotted holes 1½"x1⅜" shall be provided for connection of end diaphragms between beams 14 and 15 at one end of connections. The bolts at the slotted holes shall only be finger-tightened prior to deck slab pouring and then fully tightened after completion of the pouring.



END DIAPHRAGMS AT ABUTMENTS

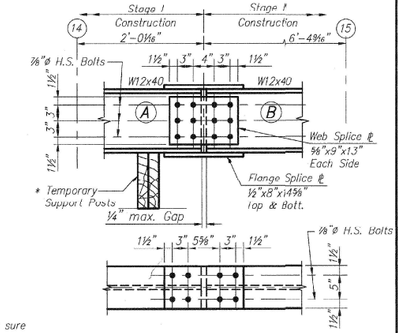


TYPICAL INTERIOR DIAPHRAGMS

DIAPHRAGM SPLICE CONSTRUCTION SEQUENCE

1. Order W12x40 for end diaphragms adjacent to stage construction line in two sections (Ⓐ) and (Ⓑ)
2. Attach diaphragm Ⓐ to Beam 14 during Stage I Construction making sure to install and fully torque bolts in top flg. splice ℄ before pouring deck.
3. Place temporary support system between diaphragm Ⓐ and bearing seat.
4. Attach diaphragm Ⓑ to both Beam 15 and diaphragm Ⓐ during Stage II Construction.
5. Install the balance of the splice materials connecting diaphrams Ⓐ and Ⓓ.
6. Remove temporary Support System.

* Cost of temporary support posts is incidental to Furnishing and Erecting Structural Steel.



SPLICE AT END DIAPHRAGMS DETAILS

2 Required

Diaphragms to be spliced at Stage Construction line between beams 14 and 15. Use slotted holes.

DESIGNED	NPP
CHECKED	EAB
DRAWN	SOI
CHECKED	EAB

HAZELET & ERDAL
DAMES & MOORE
FILE NUMBER 612\SIX–PTS

06/20/1997 C:\DGN\ABD\SEWGFILES\612\SIX-PTS\SB\S-FRMDCT
BSAY

STEEL FRAMING DETAILS
SOUTHBOUND
155/74 OVER SIX POINTS ROAD
F.A.I. RTE. 55 (155/74)
SECTION 57–6HB–3
Sta. 23+65.86 (SIX POINTS RD.)
Sta. 568+50.32 (155/74)
McLEAN COUNTY
STRUCTURE NUMBER: 057–0009

* CHAMPAIGN, McLEAN & PIATT

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PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS–BUILT PLANS
LOCATION #7 S.N. 057–0009

SCALE: | SHEET 5 OF 9 SHEETS | STA. | TO STA.

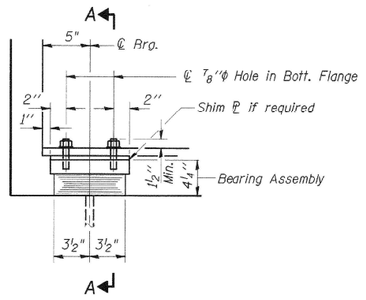
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	45
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

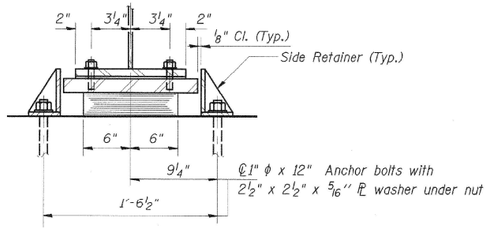
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 55	X	McLEAN	339	258
FED. ROAD DIST. NO. 9	ILLINOIS	FED. AID PROJECT		

SHEET NO. 12
27 SHEETS

* 57-(6,7)R, 6BR, 8R., 7VB, 7ER

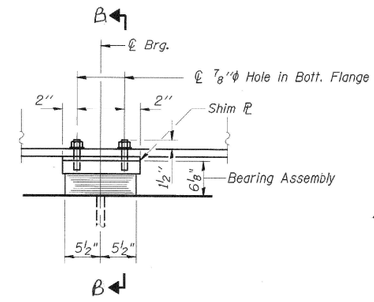


ELEVATION AT ABUT.

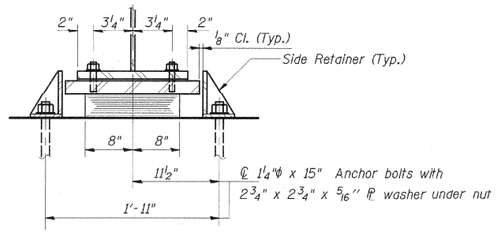


SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.
(AT ABUTMENT C - NEW BEAMS)



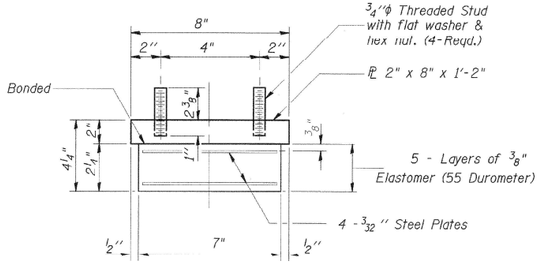
ELEVATION AT PIER.



SECTION B-B

TYPE I ELASTOMERIC EXP. BRG.
(AT PIER 4 - NEW BEAMS)

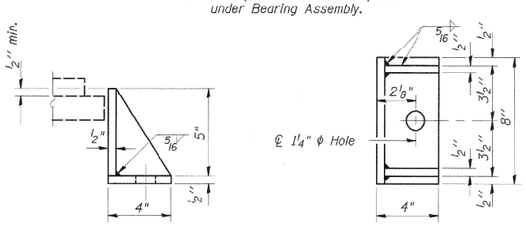
See Sheet 16 for Anchor Bolt Installation.



BEARING ASSEMBLY

(AT ABUTMENT C - NEW BEAMS)
(3 Required)

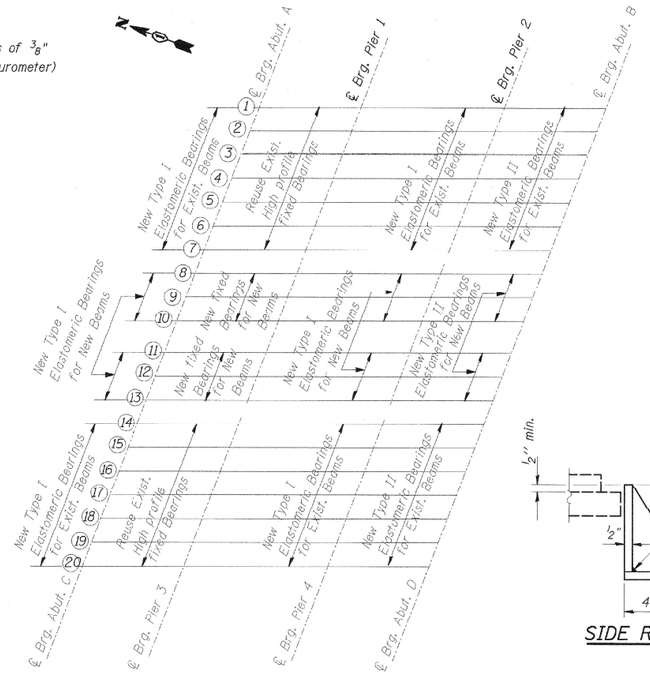
Note: Shim plates shall not be placed under Bearing Assembly.



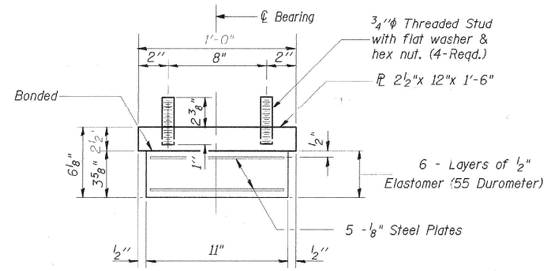
SIDE RETAINER FOR EXISTING AND NEW BEAMS

(AT ABUTMENT C)

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Structural Steel.



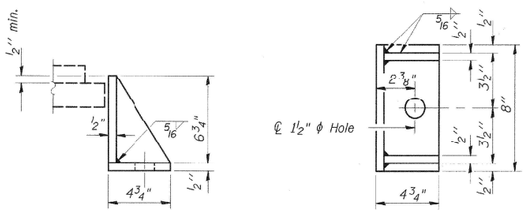
LOCATION PLAN FOR BEARINGS



BEARING ASSEMBLY
(AT PIER 4-NEW BEAMS)
(3 Required)

Note: Shim plates shall not be placed under Bearing Assembly.

This drawing includes information for the Northbound Structure as well as the Southbound Structure. Information related to the Northbound Structure is for Information only (by others).



SIDE RETAINER FOR EXISTING AND NEW BEAMS

(AT PIER 4)

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Structural Steel.

Work this Sheet with Sheets 13, 14 & 15.

BILL OF MATERIAL

Item	Unit	Southbound
Elastomeric Bearing Assembly, Type I	Each	20

BEARING DETAILS
SOUTHBOUND
I55/74 OVER SIX POINTS ROAD
F.A.I. RTE. 55 (I55/74)
SECTION (57-6,7)R, 6HB-3, 7VBR
McLEAN COUNTY
Sta. 23+65.86 (SIX POINTS RD.)
Sta. 568+50.32 (I55/74)
STRUCTURE NUMBER: 057-0009

DESIGNED	NPP
CHECKED	EAB
DRAWN	MBS /SOI
CHECKED	EAB

I-2-E1 3-31-95

HAZELET & ERDAL
DAMES & MOORE
FILE NUMBER 612-SIXTPTS
O:/DWGFILES/612/SIX-PTS/SB/SBEARL.DGN

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #7 S.N. 057-0009

SCALE: | SHEET 6 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	46
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS	FED. AID PROJECT			

MODEL: $MODEL NAMES
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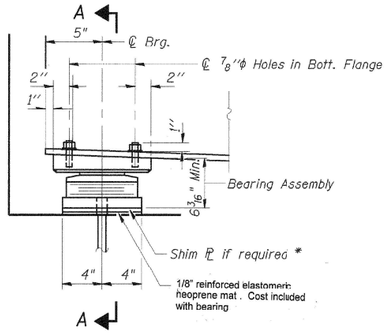
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

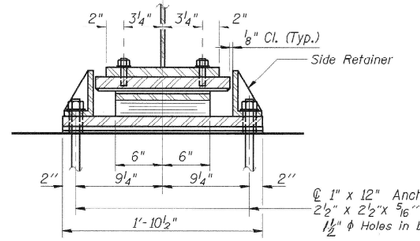
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 55		McLEAN	339	259
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 13
27 SHEETS

*57-(6,7)R, 6HB-3, 7VBR

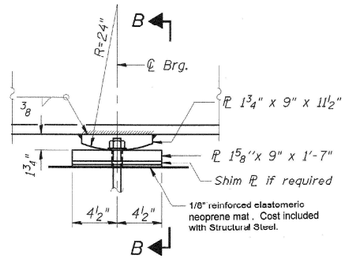


ELEVATION AT ABUT.

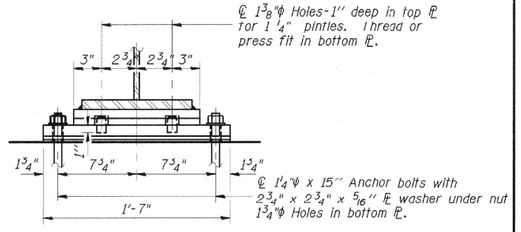


SECTION A-A

TYPE II TFE ELASTOMERIC EXP. BRG.
(AT ABUTMENT D-NEW BEAMS)



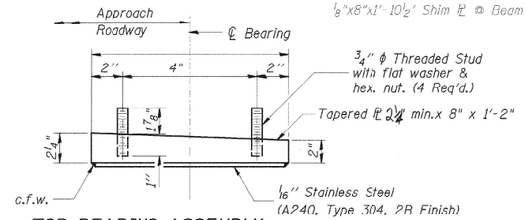
ELEVATION AT PIER



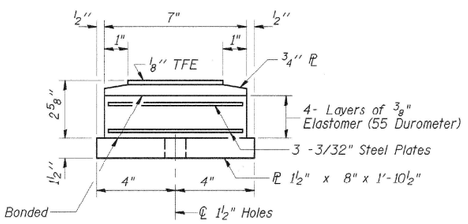
SECTION B-B

FIXED BEARING
(AT PIER 3-NEW BEAMS)
(3 Required)

*3/4"x8"x1'-10 1/2" Shim ℙ @ Beam 13
1/8"x8"x1'-10 1/2" Shim ℙ @ Beam 14.

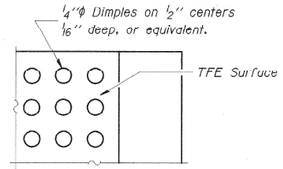


TOP BEARING ASSEMBLY
(ABUTMENT D-NEW BEAMS)
(3 Required)

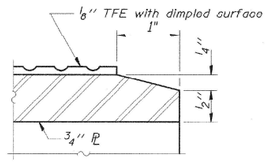


BOTTOM BEARING ASSEMBLY
ABUTMENT D
NEW AND EXISTING BEAMS
(10 Required)

Notes: Anchor bolts at fixed bearings may be built into the masonry.
See Sheet 16 for Anchor Bolt installation.



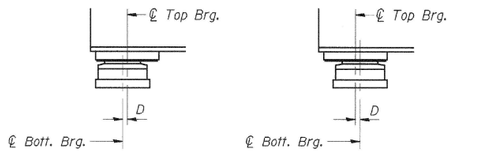
PLAN-TFE SURFACE



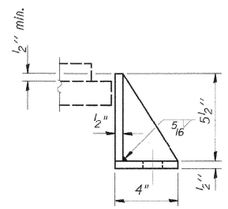
SECTION THRU TFE

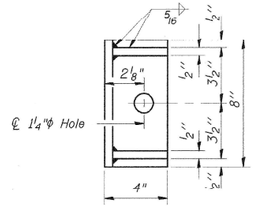
Note: The 1/8" TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of 1/8" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assemby height is approved by the Engineer.



SETTING ANCHOR BOLTS AT EXP. BRG.
D=1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.





SIDE RETAINER FOR NEW AND EXISTING BEAMS
AT ABUTMENT D

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Structural Steel.

Note: Work this Sheet with Sheets 12, 14 & 15.

BILL OF MATERIAL

Item	Unit	Southbound
Elastomeric Bearing Assembly, Type II	Each	10

BEARING DETAILS
SOUTHBOUND
I55/74 OVER SIX POINTS ROAD
F.A.I. RTE. 55 (I55/74)
SECTION (57-6,7)R, 6HB-3, 7VBR
McLEAN COUNTY
Sta. 23+65.86 (SIX POINTS RD.)
Sta. 568+50.32 (I55/74)
STRUCTURE NUMBER: 057-0009

DESIGNED	NPF
CHECKED	EAB
DRAWN	MBS
CHECKED	EAB

I-2-E2 3-31-95

HAZELET & ERDAL
DAMES & MOORE
FILE NUMBER 612-SIXPTS
O:/DWGFILES/612/SIX-PTS/SB/SBEAR2.DGN

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #7 S.N. 057-0009

SCALE: | SHEET 7 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	47
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS	FED. AID PROJECT			

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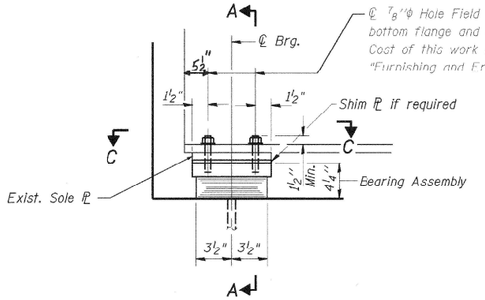
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

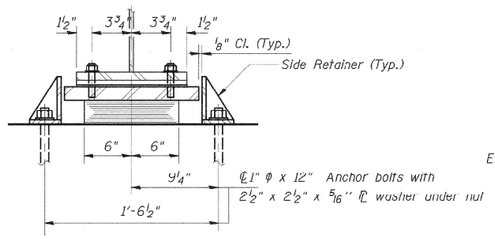
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 55		McLEAN	339	260
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 14
27 SHEETS
* 57-(6,7)R, 6HB, ER, 7VB, VBR

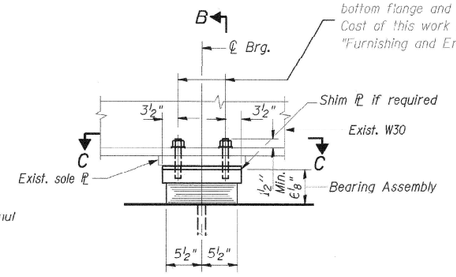


℄ ⅞"ϕ Hole Field drill in exist. W30 bottom flange and exist. sole ℄ Cost of this work shall be included in "Furnishing and Erecting Structural Steel"

BEARING ATTACHMENT DETAIL
ELEVATION AT ABUT.

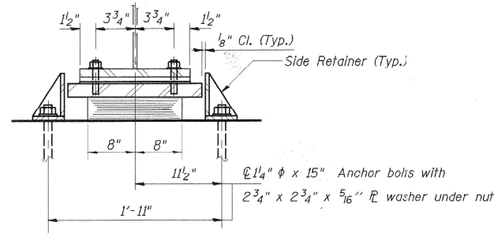


SECTION A-A



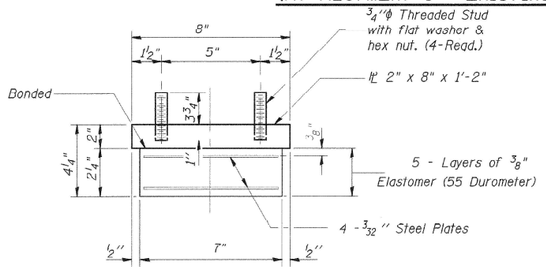
℄ ⅞"ϕ Hole Field drill in exist. W30 bottom flange and exist. sole ℄ Cost of this work shall be included in "Furnishing and Erecting Structural Steel".

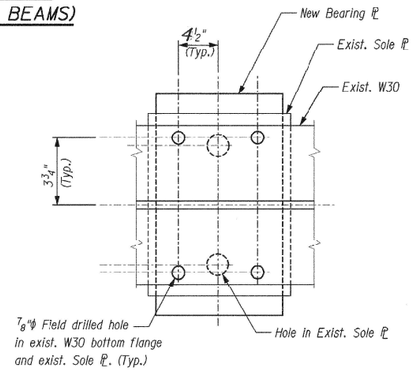
ELEVATION AT PIER.



SECTION B-B

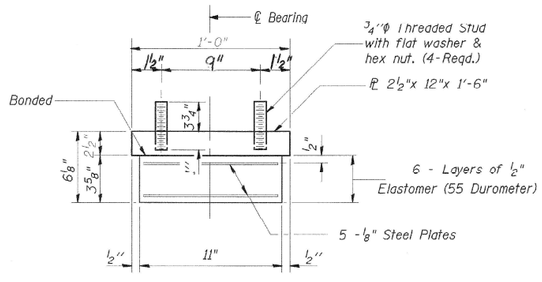
TYPE I ELASTOMERIC EXP. BRG. (AT ABUTMENT C - EXISTING BEAMS)





PLAN VIEW C-C

TYPE I ELASTOMERIC EXP. BRG. (AT PIER 4 - EXISTING BEAMS)



BEARING ASSEMBLY (AT ABUTMENT C - EXISTING BEAMS)

(7 Required)

Note: Shim plates shall not be placed under Bearing Assembly.

BEARING ASSEMBLY (AT PIER 4- EXISTING BEAMS)

(7 Required)

Note: Shim plates shall not be placed under Bearing Assembly.

Note: Work this Sheet with sheets 12, 13 & 15.

BEARING DETAILS
SOUTHBOUND
I55/74 OVER SIX POINTS ROAD
F.A.I. RTE. 55 (I55/74)
SECTION (57-6,7)R, 6HB-3, 7VBR
McLEAN COUNTY
Sta. 23+65.86 (SIX POINTS RD.)
Sta. 568+50.32 (I55/74)
STRUCTURE NUMBER: 057-0009

DESIGNED	NPP
CHECKED	EAB
DRAWN	MBS
CHECKED	EAB

I-2-E1 3-31-95

HAZELET & ERDAL
DAMES & MOORE
FILE NUMBER 612/SIXPTS
Qs/DWGFILES/612/SIX-PTS/SB/SBEAR3.DGN

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #7 S.N. 057-0009

SCALE: | SHEET 8 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	48
** DS BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME
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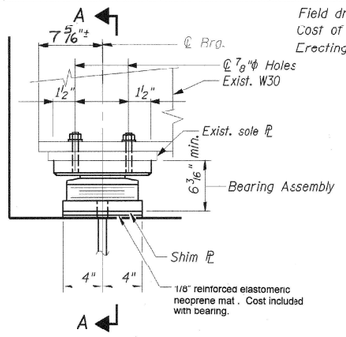
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 55		McLEAN	339	261
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 15
27 SHEETS

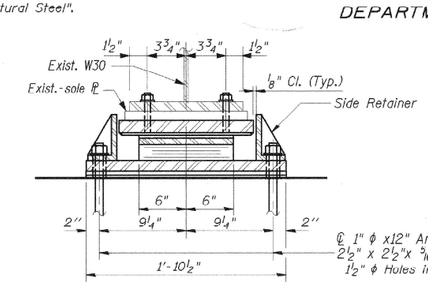
*57-(6,7)R, HBR, BR, VB, VBR

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION AT ABUT.

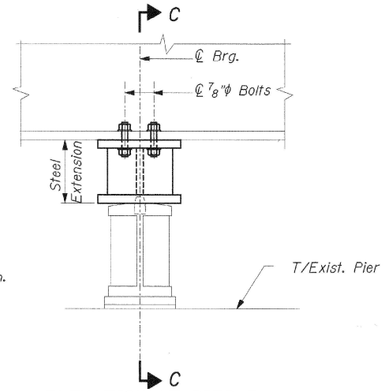
Field drill holes in exist.W30 bottom flange and exist. sole ℄. Cost of this work shall be included in " Furnishing and Erecting Structural Steel".



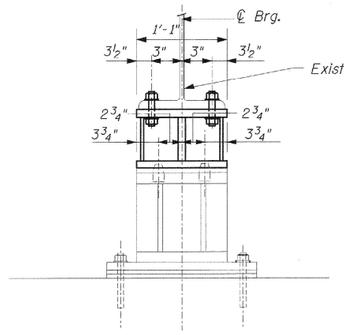
SECTION A-A

℄ 1" ϕ x12" Anchor bolts with 2½" x 2½"x 3/16" ℄ washer under nut.
1½" ϕ Holes in bottom ℄.

See Sheet 16 for Anchor Bolt installation.



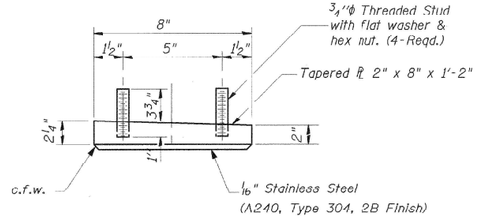
ELEVATION AT PIER 3



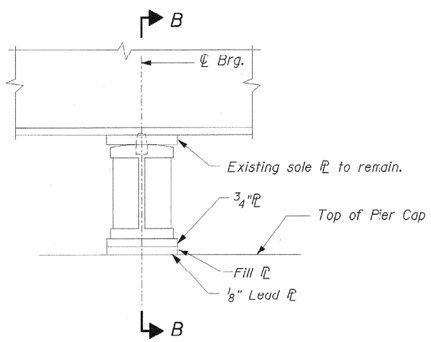
SECTION C-C

At all existing Beams, except at Beam 20.

TYPE II TFE ELASTOMERIC EXP. BRG.
(AT ABUTMENT D-EXISTING BEAMS)

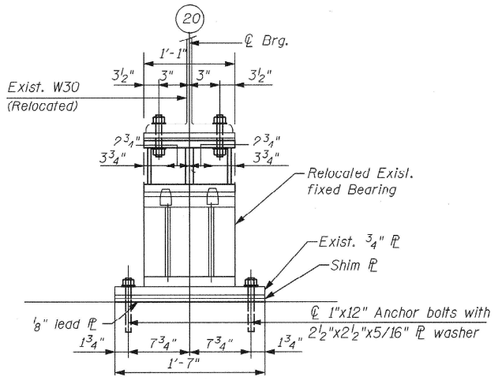


TOP BEARING ASSEMBLY
(ABUTMENT D -EXISTING BEAMS)
(7 Required)



SECTION THRU EXISTING BEARING

Note: Bolster heights shown are based upon Beam Seat and Steel Elevations provided on the original design Plans of the existing Bridge. The Contractor shall verify the actual Elevations of existing Steel and Beam Seats to confirm the required Beam raising heights and associated Bolster dimensions prior to fabrication of Bolsters.

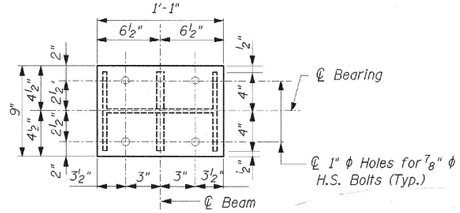


SECTION B-B AT BEAM (20)

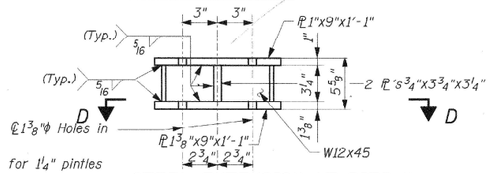
(7 Existing Fixed Bearings at Pier 3 to be reused with new steel extensions.)
The Existing Fixed Bearing at Beam 20 shall be Relocated with the relocation of Existing Beam. The Cost of Relocating Existing Fixed Bearing including new Anchor bolts shall be included in the Cost of Pay Item "Furnishing and Erecting Structural Steel".

PROPOSED STEEL EXTENSION FOR EXISTING BEAMS
(SOUTHBOUND PIER 3)

See Sheet 16 for Anchor Bolt installation.

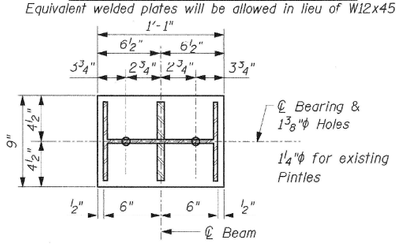


PLAN TOP PLATE



STEEL EXTENSION AT PIER 3

Equivalent welded plates will be allowed in lieu of W12x45 section.

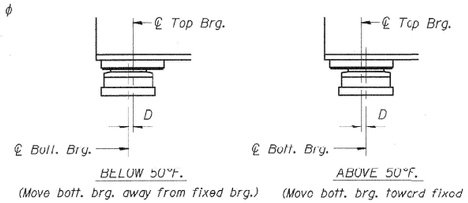


SECTION D-D

(7 Steel Extensions required for Southbound Beams)

Note: The ⅛" 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 ⅛" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.



SETTING ANCHOR BOLTS AT EXP. BRG.

D=⅛" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

Note:
1. Work this Sheet with Sheets 12, 13 and 14.
2. The Contractor shall verify in field the existing Beam Seat elevations. Prior to fabricating Steel bolsters. No additional paymentwill be allowed to change the fill plate.

BEARING DETAILS
SOUTHBOUND
I55/74 OVER SIX POINTS ROAD
F.A.I. RTE. 55 (I55/74)
SECTION (57-6,7)R, 6HB-3, 7VBR
McLEAN COUNTY
Sta. 23+65.86 (SIX POINTS RD.)
Sta. 568+50.32 (I55/74)
STRUCTURE NUMBER: 057-0009

DESIGNED	NPP	
CHECKED	EAB	
DRAWN	MBS	
CHECKED	EAB	

I-2-E2 3-31-95

HAZELET & ERDAL
DAMES & MOORE
FILE NUMBER 612/SIXPTS
O:/DWGFILES/612/SIX-PTS/SD/SDEAR4.DGN

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #7 S.N. 057-0009

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

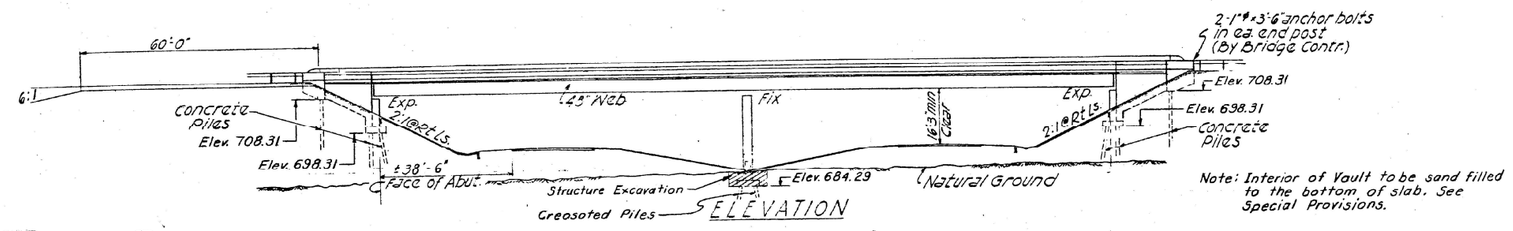
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	49
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
	ILLINOIS	FED. AID PROJECT		

MODEL: SMODEL NAMES
FILE NAME: pw:\\dot-pw.bentley.com:PWDOT-Documents\\DOT Offices\\District 5\Projects\D570F43\CADData\CADsheets\D570F73-sht-As Built.dgn

Bench Mark: B.M. 31 Spike in power pole 225' SSE of T.R. 16 610' South Sta. 1094+81 Elev. 685.35.

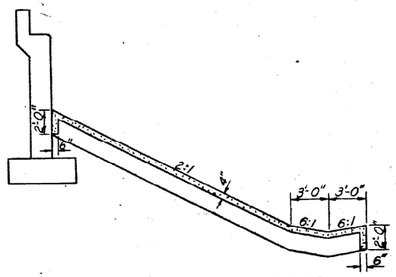
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
U.S. 74-67				SHEET NO. 1
F.A.I. 72	HB-1	PIATT	38	12 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

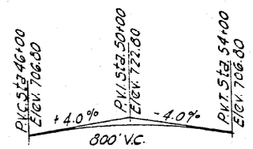


ELEVATION

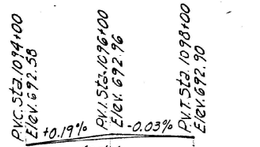
Note: Interior of Vault to be sand filled to the bottom of slab. See Special Provisions.



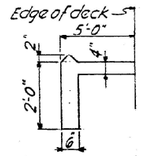
SECTION THRU SLOPEWALL



PROFILE GRADE T.R. 16



PROFILE GRADE F.A.I. 72
ALONG ℄ OF ROADWAY



SECTION A-A

GENERAL NOTES

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

Fasteners shall be high strength bolts. Bolts $\frac{3}{4}\phi$; open holes $\frac{13}{16}\phi$, unless otherwise noted.

Calculated weight of Structural Steel. = 219,100 Lbs.

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

Field welding of construction accessories will not be permitted to the bottom flange of beams or girders nor to the top flange for a distance equal to one-fourth the span length each way from the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.

Anchor bolts shall be set before bolting diaphragms over supports.

Slope wall shall be reinforced with welded wire fabric 6" x 6" mesh, weighing 58# per 100 sq. ft.

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

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.

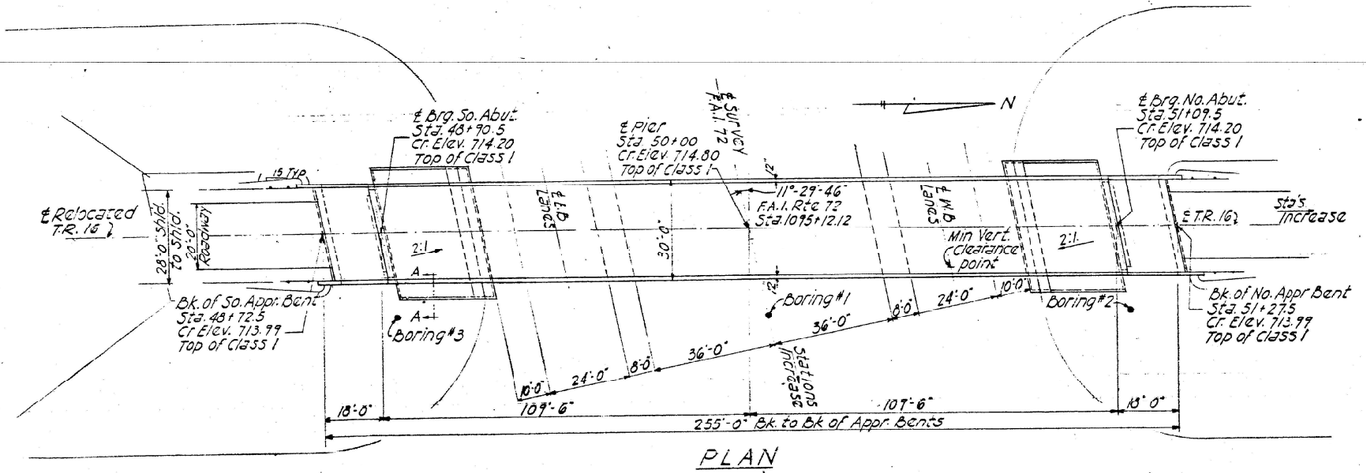
Protective Coat shall not be applied to surfaces to which Coal Tar Interlayer Protective Coat is applied.

The Contractor shall drive 3 test piles in a permanent location as directed by the Engineer before ordering the remainder of piles.
1 Timber test Pile at Pier 1 Concrete test Pile at S. Abutment & 1 Concrete test Pile at N. Appr. Bent.

The main load carrying member components subject to the Supplemental Requirements for Notch Toughness are the flanges, webs, and splice plates of the steel girders or wide flange beams.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Bituminous Concrete Surface Course, Class I	Tons	61		61
Structure Excavation	Cu. Yds.		48	48
Protective Coat	Sq. Yds.	193		193
Class X Concrete	Cu. Yds.	248.9	165.0	413.9
Structural Steel	L.S.	L.S.		L.S.
Stud Shear Connectors	Each	1800		1800
Aluminum Railing	Lin. Ft.	526		526
Reinforcement Bars	Lbs.	59980	24520	84500
Creosoted Piles 20.1' to 38'	Lin. Ft.		930	930
Concrete Piles	Lin. Ft.		1392	1392
Test Piles Timber	Each		1	1
Test Piles Concrete	Each		2	2
Name Plates	Each		1	1
Slope Wall 4"	Sq. Yds.		346	346
Coal Tar Interlayer Protective Coat	Sq. Yds.	748		748
Preformed Joint Sealer (4")	Lin. Ft.	62		62
Sand Backfill	Cu. Yds.		121	121



PLAN

DESIGN STRESSES

f_c = 1200 p.s.i. Deck Slab
f_c = 1450 p.s.i. Curb, Parapet & Sub
f_s = 20000 p.s.i. Reinf. & Structural
V_c = 75 p.s.i. Footing
n = 10
Allow 25 lbs per sq. ft. for future wearing surface
Design Specifications 1969 AASHO. (as applicable)

LOADING HS-15-44

DESIGNED	R. K. McArthur
CHECKED	Greg W. Beutler
DRAWN	K.H.D.
CHECKED	[illegible]

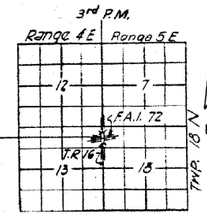
EXAMINED June 21 1972
PASSED W. C. Baumann
APPROVED Richard H. Holtzman

074-0060

STATION 1095+12.12
BUILT 197 BY
STATE OF ILLINOIS
F.A.I. RT. 72 SEC. 74-67HB-1
F.A. PROJ. 1-72-2(51)
LOADING HS-15

NAME PLATE
See Std. 2113

Proposed Structure



LOCATION SKETCH

GENERAL PLAN & ELEVATION
PROJECT 1-72-2(51)55
T.R. 16 OVER F.A.I. RTE. 72
F.A.I. RTE. 72 SEC 74-67HB-1
PIATT COUNTY
STATION 1095+12.12

5-86

1-25P CONT. CLASS W.B.C.

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #8 S.N. 074-0060

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	50
** D5 BRIDGE PAINTING 2023-1			CONTRACT NO. 70F43	
ILLINOIS	FED. AID PROJECT			

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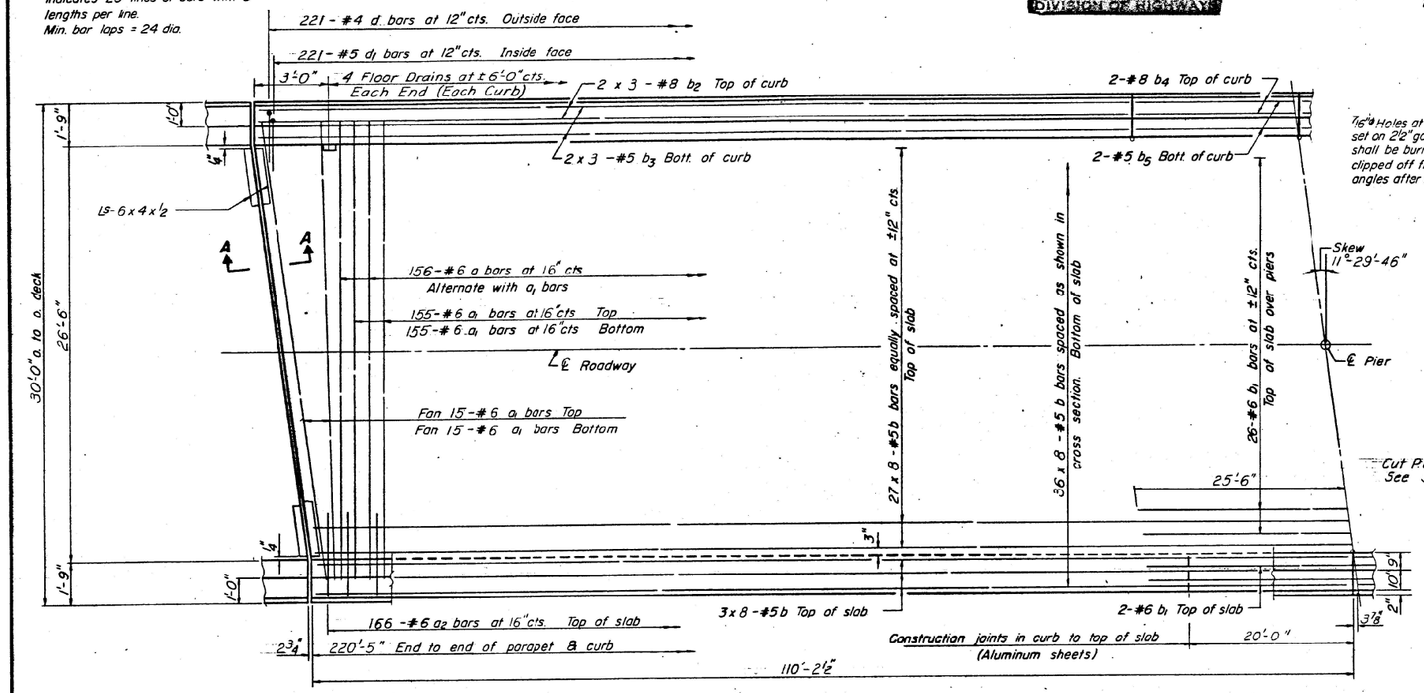
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 72	74-6HB-1	PIATT	38	15
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

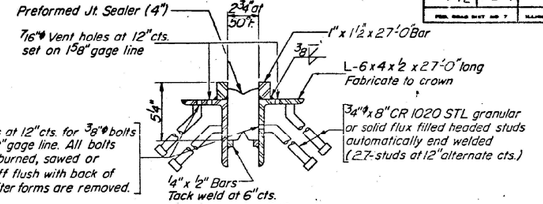
SHEET NO. 4
12 SHEETS

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

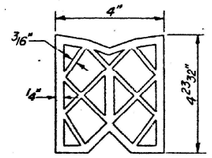
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS



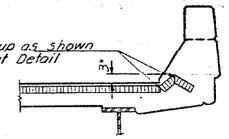
HALF PLAN



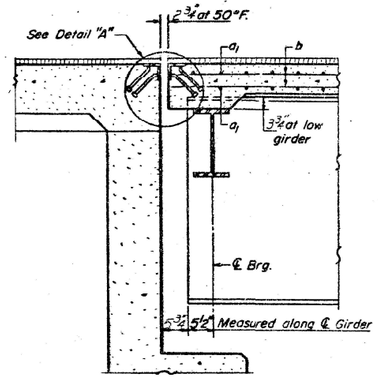
DETAIL "A"



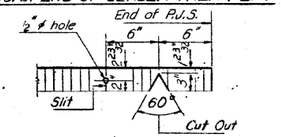
PREFORMED JOINT SEALER (4")



TYPICAL END OF SEALER TREATMENT



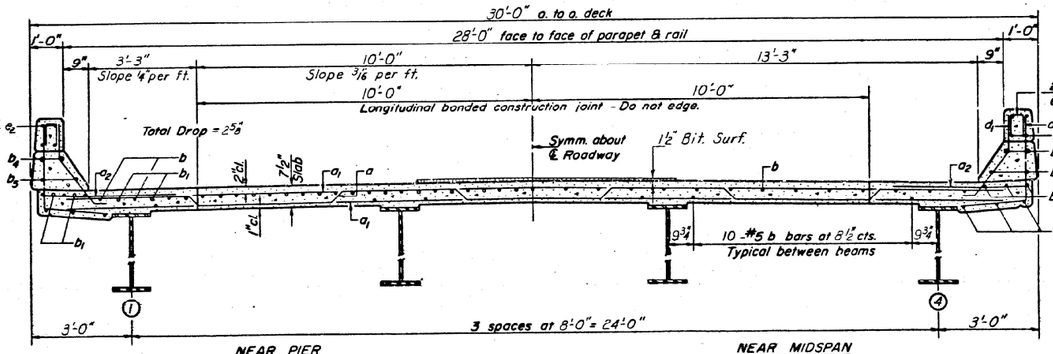
SECTION A-A



SEALER CUT-OUT DETAIL

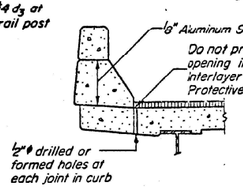
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	156	#6	29'-0"	
a1	370	#6	28'-0"	
a2	332	#6	4'-0"	
b	552	#5	28'-9"	
b1	30	#6	51'-0"	
b2	24	#8	31'-6"	
b3	24	#5	31'-0"	
b4	6	#8	19'-3"	
b5	8	#5	19'-9"	
d	442	#4	4'-6"	J
d1	442	#5	3'-7"	J
Reinforcement Bars			Lbs.	49560
Class X Concrete			Cu. Yds.	191.2

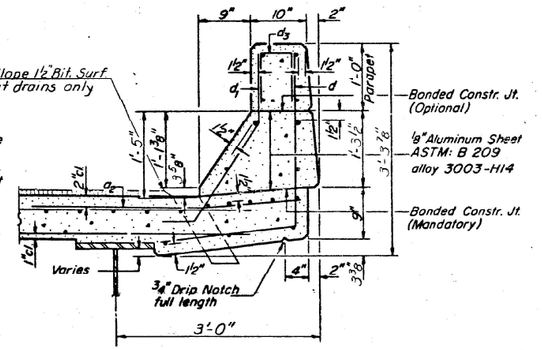


CROSS SECTION
Looking North

NOTE: For placement of bars d_3 and e_1 & e_2 see sheet # 6



SECTION AT CURB JOINTS



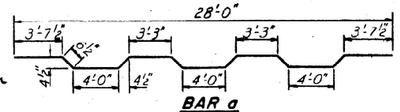
CURB SECTION
Cost of Aluminum Sheets shall be incidental to Class X Concrete.

Parapet Reinforcement and Class X Concrete are billed on sheet # 6

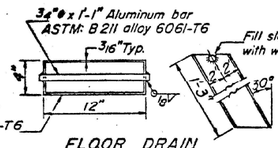
MAIN SPANS
SUPERSTRUCTURE
F.A.I. RT. 72 SEC. 74-67HB-1
PIATT COUNTY
STATION 1095+12.12

DESIGNED	R. K. Mathur	
CHECKED		
DRAWN	R. P. Summer	
CHECKED	G.V.A.	

EXAMINED
PASSED — June 21 1972 — Director
APPROVED — Richard H. Mollenhauer — Highway Engineer



BAR a

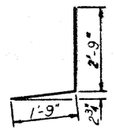


Aluminum Sheets Welded ASTM: B 209 alloy 6061-T6 or Aluminum Extrusions ASTM: B 221 alloy 6061-T6

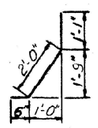
FLOOR DRAIN
Cost incidental to Class X Concrete



BAR a_2



BAR d



BAR d_1

S-4-R(≤15°) 4-22-68, 12-3-69

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #8 S.N. 074-0060

SCALE: | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	51
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS	FED. AID PROJECT			

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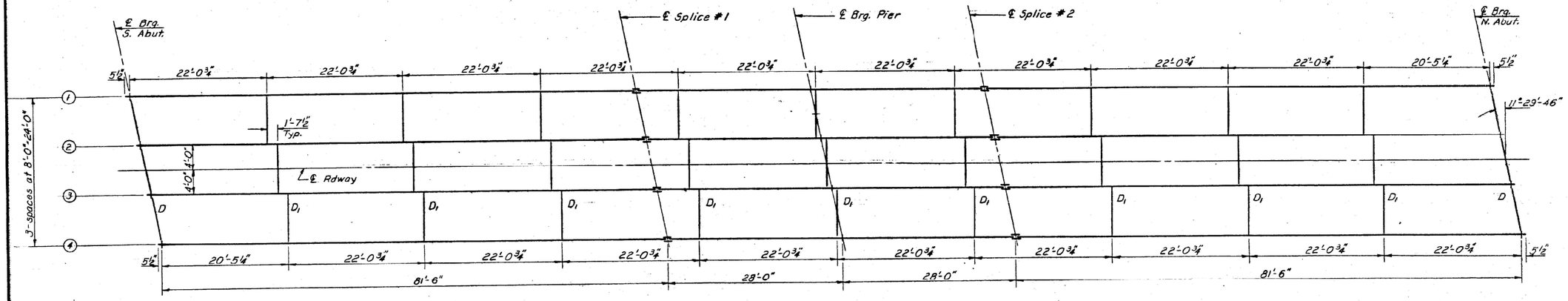
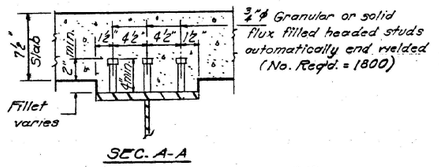
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
A.B.L. F.A.I. 72	74-67 HB-1	PIATT	38	18
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT:		

SHEET NO. 7
12 SHEETS



FRAMING PLAN



SEC. A-A

¾"ϕ Granular or solid flux filled headed studs automatically end welded (No. Reqd. = 1800)

TOP OF WEB ELEVATIONS

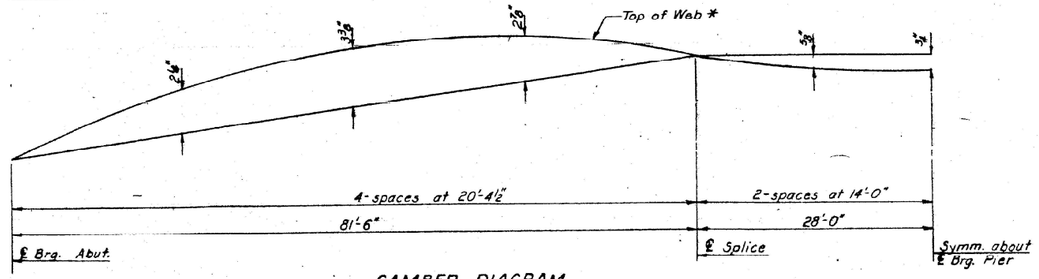
Loc. / Girder	℄ Brg. S. Abut.	℄ Splice #1	℄ Brg. Pier	℄ Splice #2	℄ Brg. N. Abut.
1	713.122	713.643	713.581	713.656	713.175
2	713.275	713.783	713.716	713.788	713.293
3	713.293	713.789	713.716	713.783	713.275
4	713.175	713.656	713.581	713.643	713.122

GIRDER ELEVATION

SECTION AT PIER

SECTION AT ABUTMENT

DETAIL "B"



CAMBER DIAGRAM

*For Top of Web Elevations at Splices & Bearings see table on this sheet.

FIELD SPLICE DETAIL
Use ⅞" ϕ H.S. Bolts

DESIGNED	R. K. Mathur
CHECKED	
DRAWN	R. P. Summer
CHECKED	C.W.B.

EXAMINED JUNE 21 19 72
PASSED W. E. Baumann
APPROVED Richard A. Gutterman

G-1 3-29-71

STRUCTURAL STEEL
F.A.I. RT. 72 SEC. 74-67HB-1
PIATT COUNTY
STATION 1095+12.12

* CHAMPAIGN, MCLEAN & PIATT

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USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #8 S.N. 074-0060

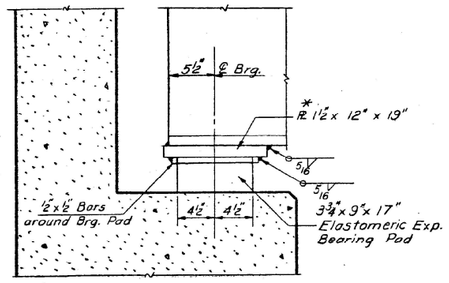
SCALE: | SHEET 3 OF 4 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	52
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS	FED. AID PROJECT			

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 72	74-67 HB-1	PIATT	38	19

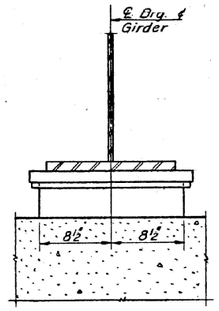
SHEET NO. 8
12 SHEETS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

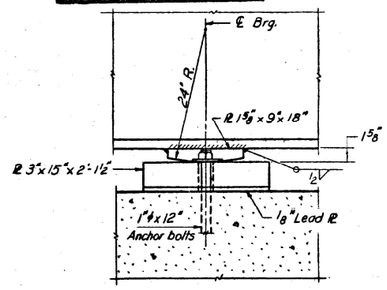


ELEVATION AT ABUTMENT

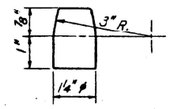
* At Girder 3 S. Abut. and Girder 2 N. Abut. use PL 1¾" x 12" x 19"



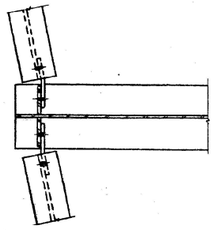
SECTION AT ABUTMENT

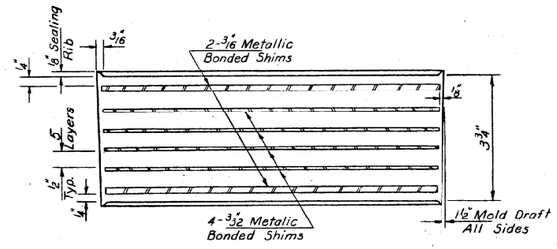


ELEVATION AT PIER



PINTLE

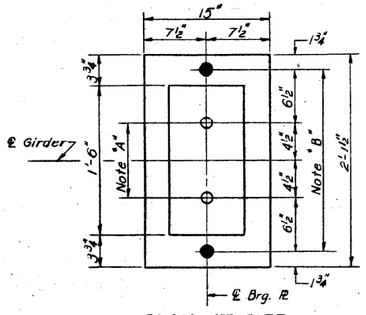




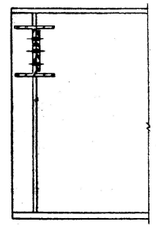
ELASTOMERIC BEARING
Cost Incidental

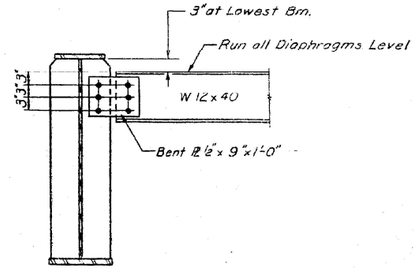
Note "A"
1⅜ ϕ Holes - 1" deep in top PL for 1¼ ϕ Pintles. Thread or press fit pintles in bottom PL.

Note "B"
1½ ϕ Holes for 1" ϕ Anchor Bolts - 2½" x 2½" x 5/16" PL Washers under nut.



PLAN AT PIER



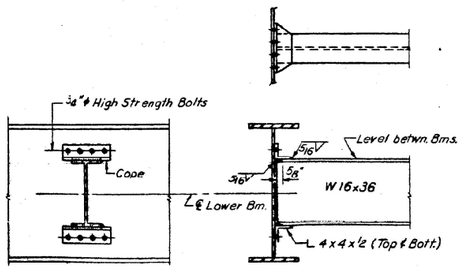


DIAPHRAGM D
No. Req'd. 6

INTERIOR GIRDER MOMENT TABLE			
		0.4 Sp.1	Pier
I_S	(in^4)	21617	50352
I_C	(in^4)	59408	
S_S	(in^3)	1067	2181
S_C	(in^3)	1494	
Q	(K/I)	1.065	1.624
M_{LL}	(ik)	744	2766
$f_{S_{LL}}$	(ksi)	8.4	15.2
S_Q	(K/I)	0.559	
$M_{S_{LL}}$	(ik)	487	
M_{DL}	(ik)	760	690
M_{IMP}	(ik)	165	148
TOTAL	(ik)	1412	838
$f_{S_{LL+IM}}$	(ksi)	11.3	4.6
$f_{S_{TOTAL}}$	(ksi)	19.7	19.8
V.R	(k)	47	

INTERIOR GIRDER REACTION TABLE			
		Abut.	Pier
R_{LL}	(k)	63.7	228.4
R_{DL}	(k)	35.2	61.4
Imp.	(k)	7.5	13.1
R_{TOTAL}	(k)	106.4	302.9

I_S and S_S are the moment of inertia and section modulus of the steel section.
I_C and S_C are the moment of inertia and section modulus of the composite section used in computing f_S.
VR is the maximum 4 + Impact shear range in span used to determine shear connector spacing.



DIAPHRAGM D1
No. Req'd. 27

DESIGNED	R. K. Mather
CHECKED	Wayne Booth
DRAWN	R. P. Summer
CHECKED	C. W. S.

EXAMINED — June 21 1972 — DIVISION OF HIGHWAYS, ENVIRONMENTAL AND TRAFFIC SYSTEMS ENGINEER
PASSED — W. C. Bamesberger — ENGINEER OF DESIGN
APPROVED — Richard L. Holtzman — CHIEF HIGHWAY ENGINEER

STRUCTURAL STEEL
F.A.I. RT. 72 SEC. 74-67HB-1
PIATT COUNTY
STATION 1095+12.12

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #8 S.N. 074-0060

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	53
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS	FED. AID PROJECT			

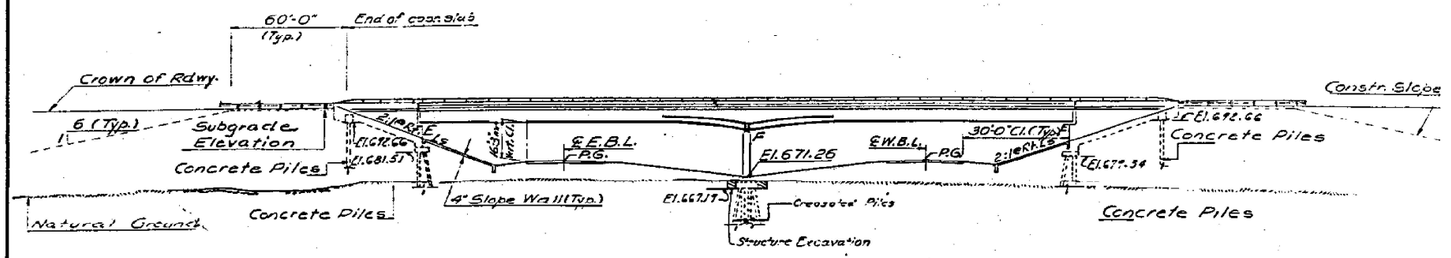
MODEL: $MODELNAME
FILE NAME: ow:\\fdot-gpw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570F43\CADData\CADSheets\D570F73-sht-As Built.dgn

B.M. 46 Top 3" Concrete Filled Iron Pipe 75' East CH 5 & 692' North Sta. 1410+97 Elev. 669.60

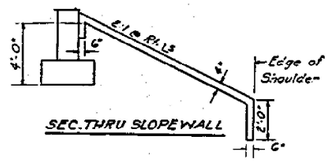
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
A.B.I. F.A.I. 72	74-6B HB-2	PIATT	43	11
FED. ROAD DIST. NO. 9	ILLINOIS	FED. AID PROJECT		

SHEET NO. 1
17 SHEETS



ELEVATION

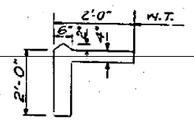


SEC. THRU SLOPEWALL

STATION 1401+86.77
BUILT 19 BY
STATE OF ILLINOIS
F.A.I. RT. 72 SEC. 74-6B HB-2
F.A. PROJ. I-72-2(49)
LOADING HS 15

NAME PLATE
(See Std. 2113)

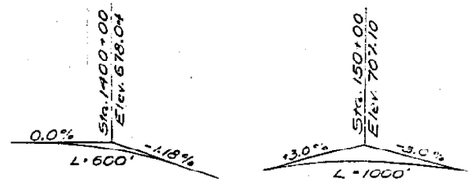
PLAN



SEC. A-A

DESIGNED	Amy W. Bates
CHECKED	R. Mathis
DRAWN	Sima Vistamb
CHECKED	RKM

OCTOBER 18 1972
EXAMINED
PASSED M.C. Baumann
Assistant Richard H. Mottermann



PROFILE GR. F.A.I. RTE 72 (℄ Lanes)

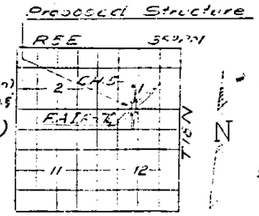
PROFILE GR. C. H. 5.

DESIGN STRESSES

f_c	=	1200 psi (Deck s/a @ Main span)
f_c	=	1400 psi (Cure, Parapet, sub & Appr. Slab)
f_s	=	20,000 psi (Reinf. & AASHO M 183)
f_s	=	27,000 psi (AASHO M 223 - Gr. 50)
V_c	=	75 psi (Frgs.)
n	=	10

Loading HS 15-44
Allow 25 #/ft Future W.S.
Design Specifications 1969 AASHTO as applicable.

Precast Structure



LOCATION SKETCH

GENERAL NOTES

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

Fasteners shall be high strength bolts. Bolts $\frac{3}{4}$" ø; open holes $\frac{13}{16}$" ø, unless otherwise noted.

Calculated weight of Structural Steel. = 375,600 Lbs.

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

Field welding of construction accessories will not be permitted to the bottom flange of beams or girders nor to the top flange for a distance equal to one-fourth the span length each way from the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.

Anchor bolts shall be set before bolting cross frames over supports.

Slope wall shall be reinforced with welded wire fabric 6" x 6" mesh, weighing 58# per 100 sq. ft.

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

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.

Protective Coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of ± ⅛ inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two "B" adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.

The Contractor shall drive one Concrete Test Pile in a permanent location @ South Abut. Bent and @ North Abutment, one Timber Test Pile @ Pier, as directed by the Engineer before ordering the remainder of piles.

The main load carrying member components subject to the Supplemental Requirements for Notch Toughness are the flanges, webs, and splice plates of the steel girders or wide flange beams.

TOTAL BILL OF MATERIAL

Item	Unit	Susen	Sub.	Total
Structure Excavation	Cu. Yds.		32	32
Bituminous Conc. Surface Course, Class I	Tons	96		96
Protective Coat	Sq. Yds.	290		290
Structural Steel	L.S.	L.S.		L.S.
Stud Shear Connectors	Each	1656		1656
Class X Concrete	Cu. Yds.	404.3	300.6	704.9
Reinforcement Bars	Lbs.	107950	39490	147440
Waterproofing Membrane System	Sq. Yds.	1186		1186
Concrete Piles	Lin. Ft.		2230	2230
Test Piles (Concrete)	Each		2	2
Creosoted Piles 20.1 To 38 Ft.	Lin. Ft.		1222	1222
Test Piles (Timber)	Each		1	1
Aluminum Railing	Lin. Ft.	784		784
Slope Wall (2")	Sq. Yds.		342	342
Name Plates	Each		1	1
Neoprene Expansion Joint (2")	Lin. Ft.	96		96

GENERAL PLAN & ELEVATION
PROJECT: I-72-2(49)61
C.H. 5 OVER F.A.I. RTE. 72
F.A.I RTE. 72 SECTION 74-6B HB-2
PIATT COUNTY
STA. 1401+86.77 (F.A.I. RTE. 72)
STA. 150+00.00 (C.H. 5)

Rev 6-7-74

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #9 S.N. 074-0066

SCALE: | SHEET 1 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	54
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
		ILLINOIS	FED. AID PROJECT	

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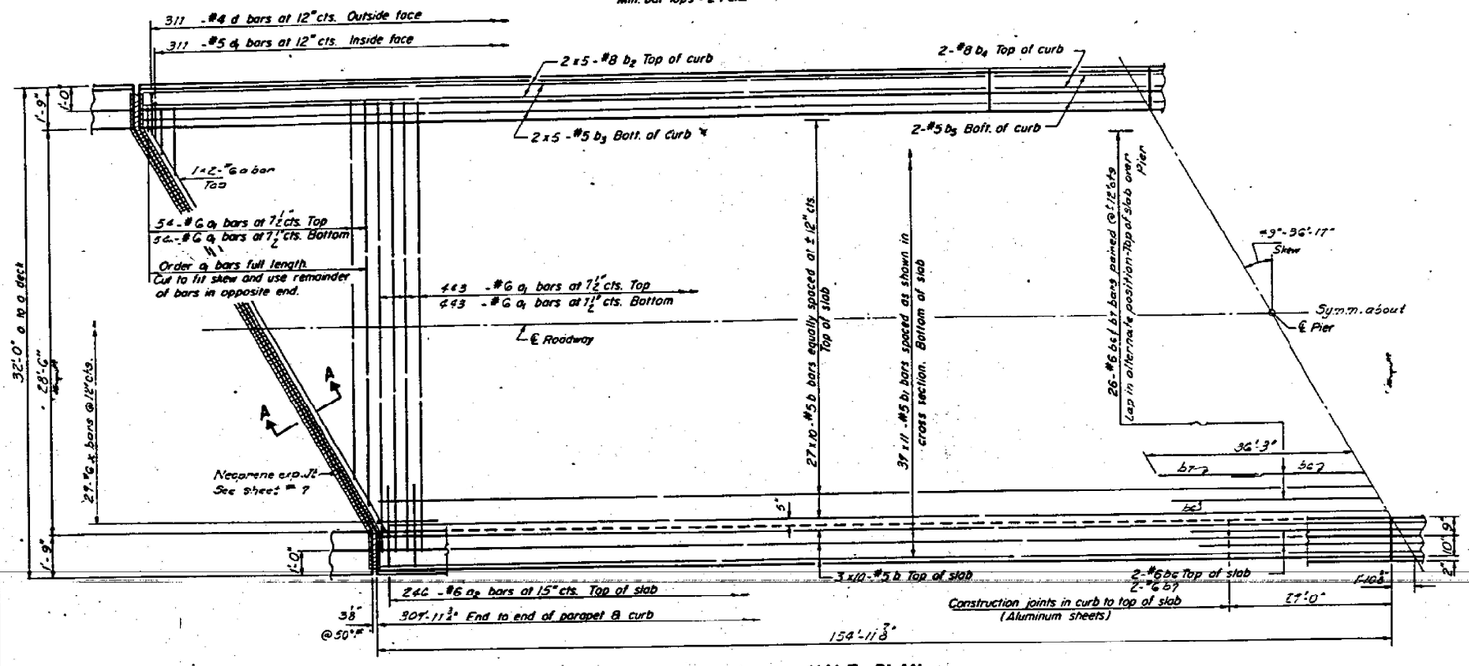
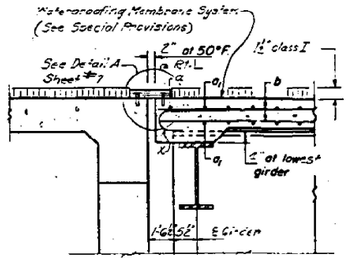
					SHEET NO. 6
S.N. 074-0066	74-68	PIATT	43	16	17 SHEETS
F.A.I. 72	HB-2				

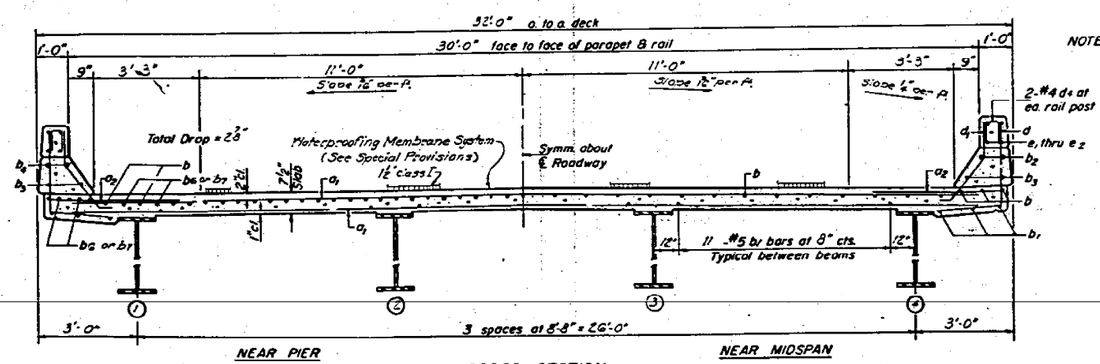
NOTE:
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
Min. bar laps = 24 dia.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



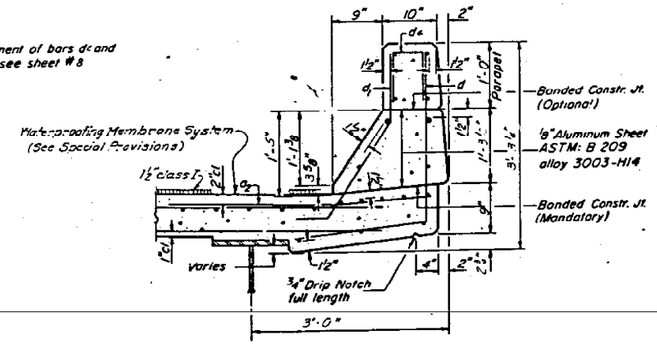


SECTION A-A



CROSS SECTION

NOTE: For placement of bars dc and e, thru e2 see sheet # 8



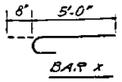
CURB SECTION

Cost of Aluminum Sheets shall be incidental to Class X Concrete.

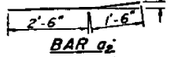
Parapet Reinforcement and Class X Concrete are billed on sheet # 8

BILL OF MATERIAL

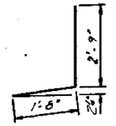
Bar	No.	Size	Length	Shape
a	4	#6	23'-0"	
a1	944	#6	30'-0"	
a2	492	#6	4'-0"	
b	330	#5	32'-2"	
b1	429	#5	29'-3"	
b2	60	#8	27'-0"	
b3	60	#5	26'-3"	
b4	8	#8	28'-9"	
b5	8	#5	28'-0"	
b6	30	#6	22'-0"	
b7	30	#6	30'-0"	
d	622	#4	1'-3"	⌊
d1	622	#5	3'-7"	⌋
X	58	#6	5'-8"	⊂
Reinforcement Bars			Lbs.	84860
Class X Concrete			Cu. Yds.	286.3



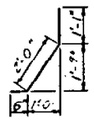
BAR x



BAR a2



BAR d



BAR d1

SUPERSTRUCTURE
F.A.I.RT. 72 SEC. 74-68HB-2
PIATT COUNTY
STA. 1401+86.77

DESIGNED	Greg W Boyle
CHECKED	R K Matthew
DRAWN	Susan Watanabe
CHECKED	RKM

EXAMINED Oct. 18 1972
PASSED W G Baumann
Director
Richard K Matthews

S-4-RF-307 4-22-68
Rev. 6-7-74

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #9 S.N. 074-0066

SCALE: | SHEET 2 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	55
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
		ILLINOIS	FED. AID PROJECT	

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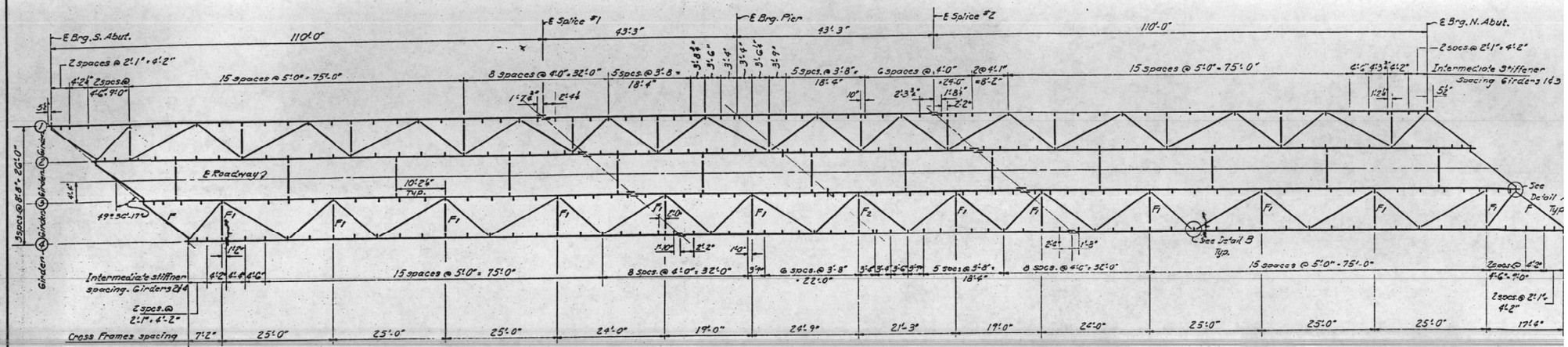
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
[redacted]

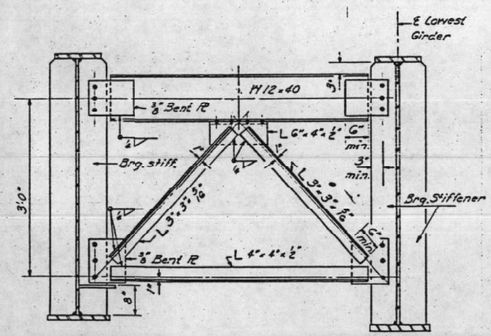
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 72	74-68 HB-2	PIATT	43	19

SHEET NO. 9
17 SHEETS



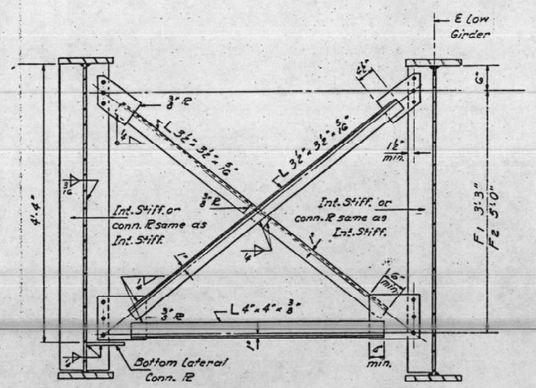
FRAMING PLAN

Stiffeners shall be located on the face of Girder web as shown in above Plan.



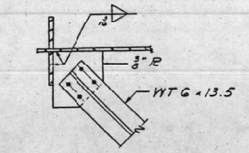
CROSS FRAME F

No. Required : 6

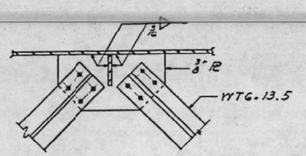


CROSS FRAME F1 & F2

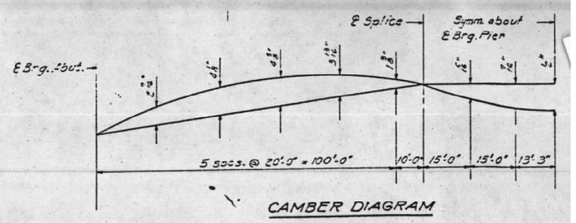
No. Required :
F1 - 36
F2 - 3



DETAIL - A



DETAIL - B



CAMBER DIAGRAM

TOP OF WEB ELEVATIONS

Loc. \ Gir.	1	2	3	4
℄ Brg. So. Abut.	697.659	697.905	697.999	697.940
℄ Splice #1	698.473	698.651	698.678	698.552
℄ Brg. Pier	698.473	698.626	698.626	698.473
℄ Splice #2	698.552	698.678	698.651	698.473
℄ Brg. No. Abut.	697.940	697.999	697.905	697.659

DESIGNED	Mary W. Bath
CHECKED	R. K. Mathur
DRAWN	Simon Ustanik
CHECKED	RKM

Oct. 18 1972
EXAMINED
PASSED W. E. Baumann
APPROVED Richard H. Holterman

STRUCTURAL STEEL
F.A.I. RT. 72 SEC. 74-68HB-2
PIATT COUNTY
STA. 1401+86.77

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

AS-BUILT PLANS
LOCATION #9 S.N. 074-0066

SCALE: | SHEET 3 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	56

** D5 BRIDGE PAINTING 2023-1 | CONTRACT NO. 70F43
ILLINOIS | FED. AID PROJECT

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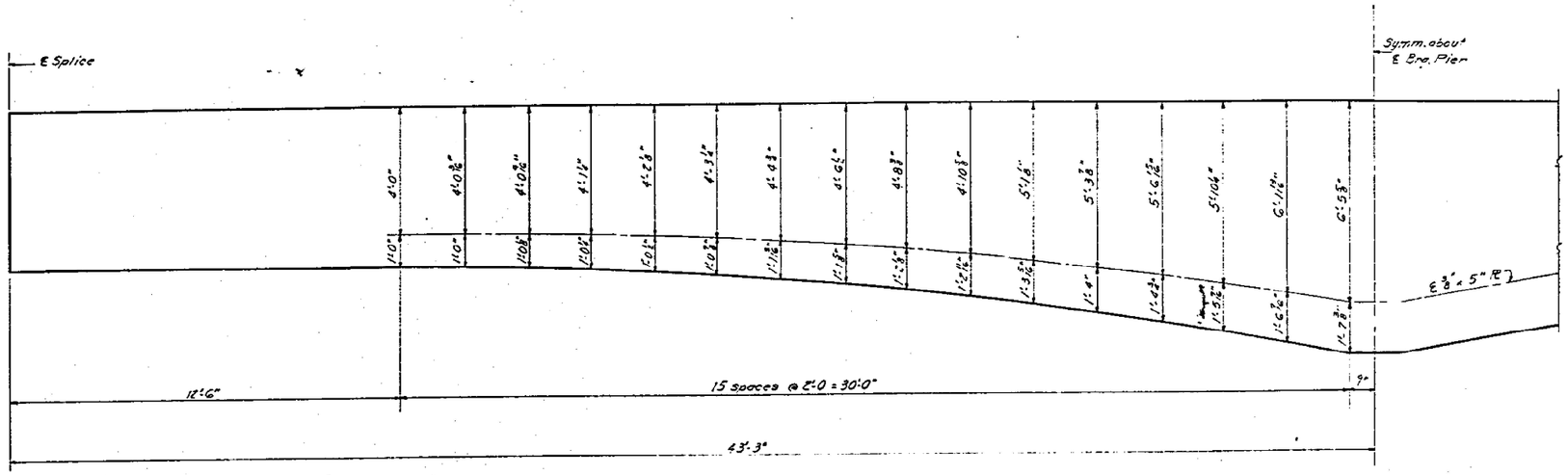
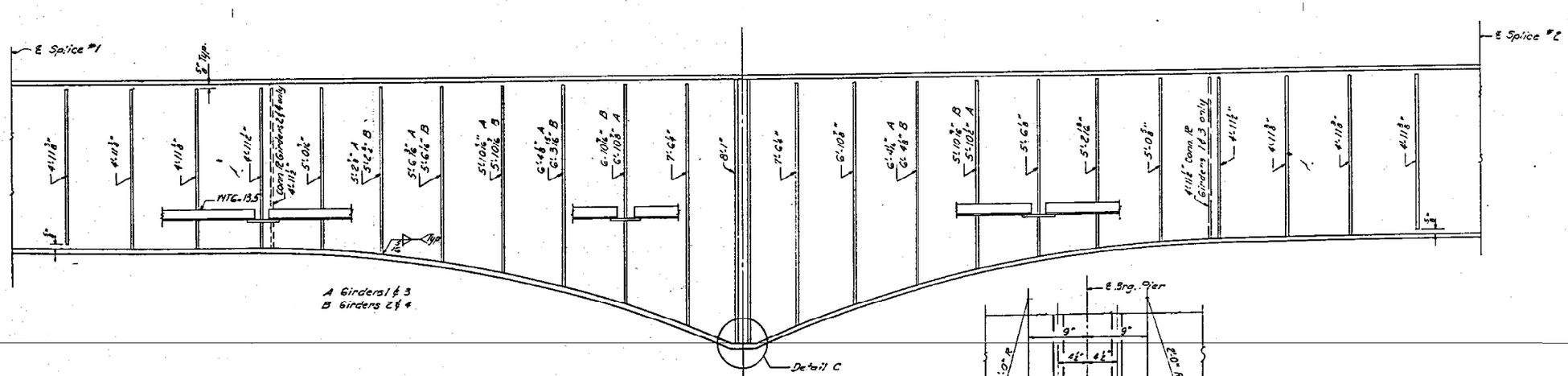
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
[redacted]

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 72	74-68 HB-2	PIATT	43	20

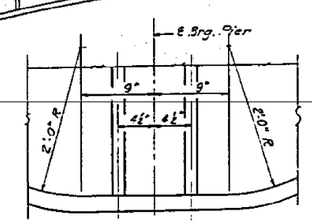
SHEET NO. 10
17 SHEETS



WEB PLATE AND LONGITUDINAL STIFFENER TEMPLATE



HAUNCH DETAILS
(See sheet #: for Bearing Stiffener Arrangement at Pier)



DETAIL C

DESIGNED	Gary W Baptist
CHECKED	R. A. Mathur
DRAWN	Simon Ustanik
CHECKED	R.K.M

EXAMINED Oct. 18 1972
PASSED W. E. Baumann
APPROVED Richard H. Goltzman

STRUCTURAL STEEL DETAILS
F.A.I. RT. 72 SEC. 74-68HB-2
PIATT COUNTY
STA. 1401+86.77

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

AS-BUILT PLANS
LOCATION #9 S.N. 074-0066

SCALE: | SHEET 4 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	57
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
		ILLINOIS	FED. AID PROJECT	

MODEL: $MODELNAMES
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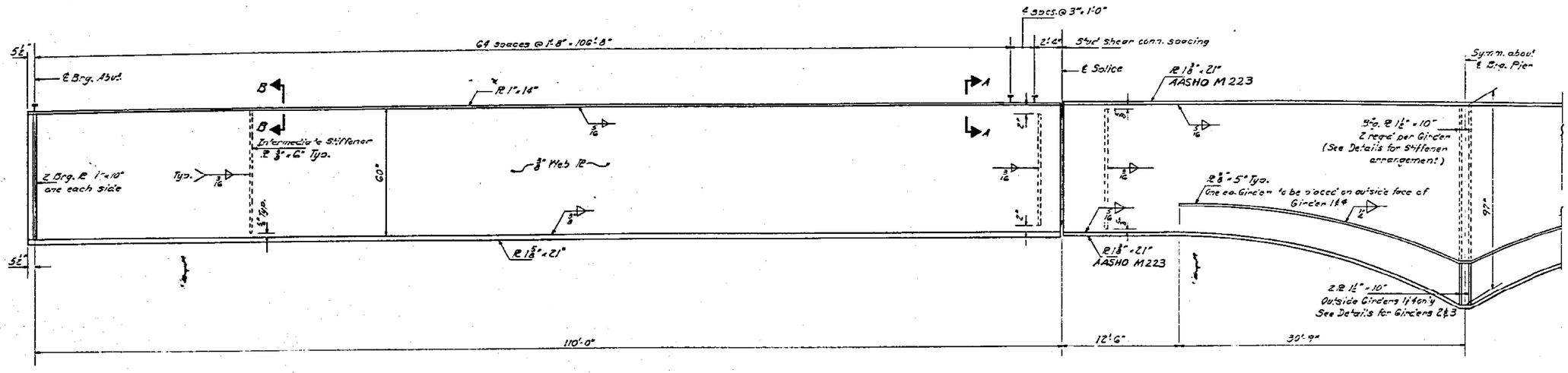
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 72	74-6B 118-2	PIATT	43	21
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

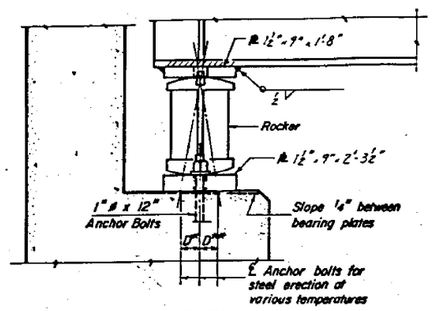
SHEET NO. 11
17 SHEETS


4 spcs. @ 3" = 1'-0"
2'-4"
5½" Shear conn. spacing
64 spaces @ 1'-8" = 106'-8"
℄ Brg. Abut.
℄ Splice
PL 1" × 14"
PL 1⅜" × 21" AASHO M223
Sym. m. about ℄ Brg. Pier
B
A
Intermediate Stiffener PL ⅜" × 6" Typ.
⅜" Web PL
5½"
Typ.
2 Brg. PL 1" × 10" one each side
Typ.
3/16
60"
5/16
3/8
PL 1⅝" × 21"
5/16
12"
5/16
5/16
5/16

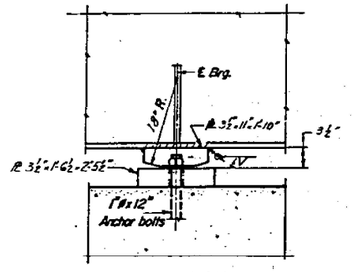
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. & F.A.S. 72	74-GB HB-2	PIATT	43	22
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

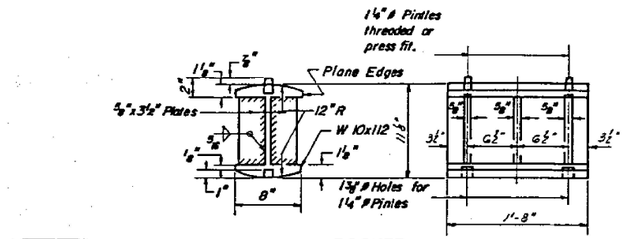
SHEET NO. 12
17 SHEETS



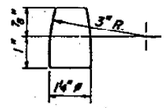
ELEVATION



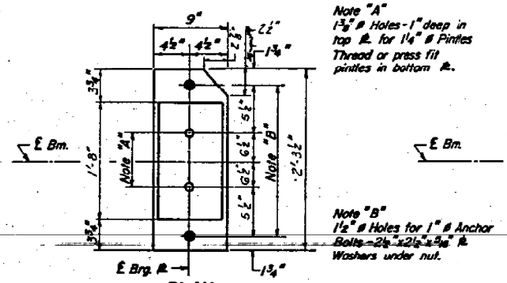
ELEVATION



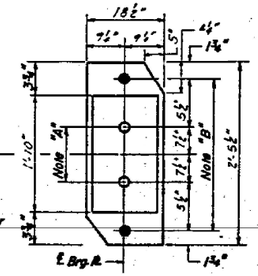
ROCKER



PINTLE



PLAN
AT ABUTMENT



PLAN
AT PIER

NOTES FOR SETTING OF ANCHOR BOLTS
AT EXPANSION BEARINGS

a.) D^a (Side of brg. away from fixed brg.)
D^a = ⅛" per. each 100' of expansion for every 15° fall below the normal temp. of 50° F.
D^{aa} (Side of brg. toward fixed brg.)
D^{aa} = ⅛" 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^a & D^{aa} determined, holes shall be drilled and anchor bolts shall be grouted in place. All fixed anchor bolts may be built into the masonry.

INTERIOR GIRDER MOMENT TABLE		
	0.4 Sp.1	Pier
Is (in⁴)	46,651	168251
Ic (in⁴)	112215	——
Ss (in³)	1171	3373
Sc (in³)	6054	——
℄ (K/L)	1.102	1.627
M℄ ('K)	1634	5406
fs℄ (ksi)	15.7	17.2
s℄ (K/L)	.525	——
Ms℄ ('K)	888	——
M℄ ('K)	1210	1368
Mimp ('K)	219	242
Total ('K)	2317	1610
fs℄ (ksi)	4.6	5.8
fs Total (ksi)	20.3	25.0
VR (K)	60.8	——

INTERIOR GIRDER REACTION TABLE		
	Abut.	Pier
R℄ (K)	87.4	317.7
R℄ (K)	40.8	87.2
Imp. (K)	7.3	15.8
R Total (K)	135.5	422.9

Is and Ss are the moment of inertia and section modulus of the steel section.
Ic and Sc are the moment of inertia and section modulus of the composite section used in computing fs.
VR is the maximum ℄ + Impact shear range in span.

DESIGNED	Gary U Bayle	
CHECKED	R. Mathews	
DRAWN	Sean Ntamack	
CHECKED	RKH	

I-2-G 3-29-71

EXAMINED Oct. 18 1972
PASSED W. E. Bamesberger
APPROVED Richard A. Holterman

BEARING DETAILS
F.A.I. RT. 72 SEC. 74-GBHB-2
PIATT COUNTY
STA. 1401+86.77

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #9 S.N. 074-0066

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	59
** D5 BRIDGE PAINTING 2023-1			CONTRACT NO. 70F43	
		ILLINOIS	FED. AID PROJECT	

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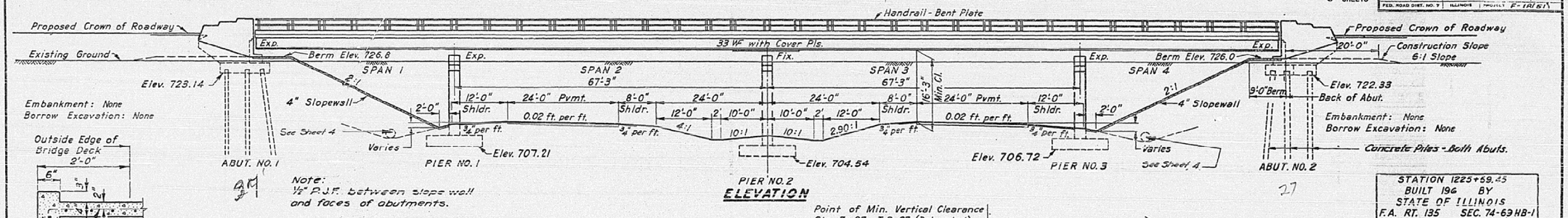
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA.-135	74-69 HB-1	PIATT	13	5
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT	F-18(51)	

SHEET NO. 1
8 SHEETS

B.M. #14 B - Railroad Spike in Corner Post - 295' Lt. Sta. 1227+00 - Elev. 730.92



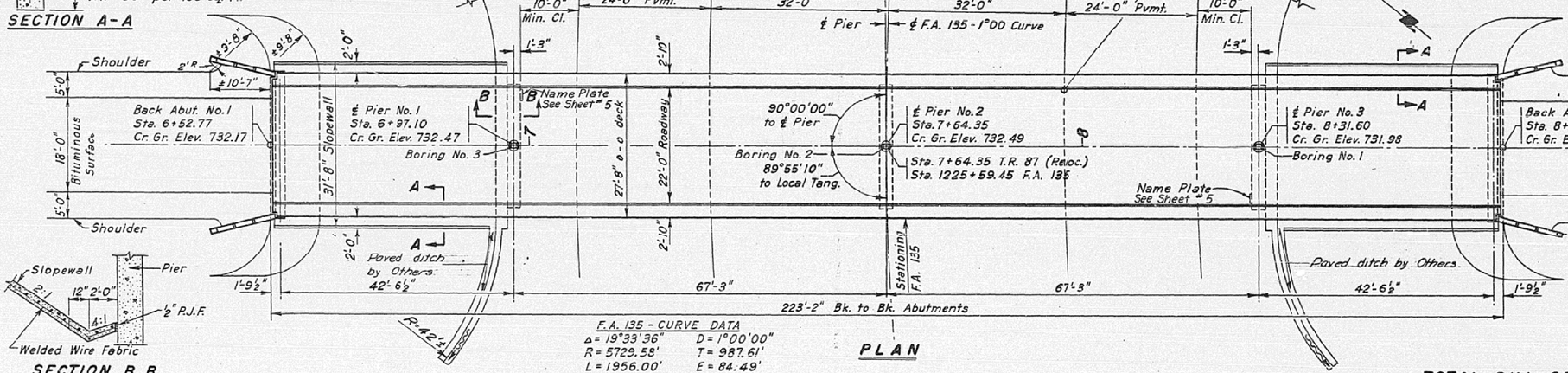
Note: ½" P.J.F. between slope wall and faces of abutments.

ELEVATION

STATION 1225+59.45
BUILT 196 BY
STATE OF ILLINOIS
F.A. RT. 135 SEC. 74-69 HB-1
F.A. PROJ. F-18(51)
LOADING H15-S12

LETTERING FOR NAME PLATE
See Std. 2113

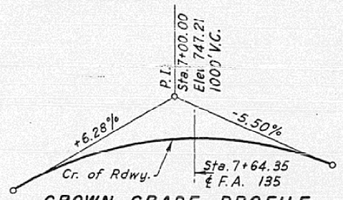
SECTION A-A



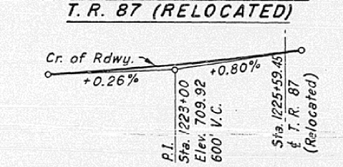
F.A. 135 - CURVE DATA
Δ = 19°33'36" D = 1°00'00"
R = 5729.58' T = 987.61'
L = 1956.00' E = 84.49'
S.T. = 0.02 ft./ft.

PLAN

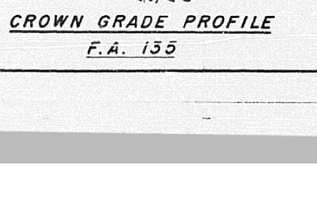
SECTION B B



CROWN GRADE PROFILE T.R. 87 (RELOCATED)



CROWN GRADE PROFILE F.A. 135



GENERAL NOTES

Class X Concrete shall be used throughout.

The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.

Concrete Slopewalls shall be reinforced with welded wire fabric 6" x 6" mesh, #4 wires, weighing 58# per 100 sq. ft.

Rivets 7/8" ϕ, Open holes 15/16" ϕ, unless noted.

Field connections shall be riveted or, at the option of the Contractor, high strength bolts of the same nominal diameter may be substituted. See Article 54.9 (1) of the Standard Specifications.

All cover plates and beams to which cover plates are welded shall conform to A.S.T.M. A-373 structural steel.

All rockers, bolsters, bearing plates, lead plates, pintles and anchor bolts shall be fabricated and set in accordance with Article 51.15 of the Standard Specifications and are included in the quantity of Structural Steel.

Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Articles 56.1 to 56.5 inclusive of the Standard Specifications.

Anchor bolts shall be set before installing diaphragms over supports.

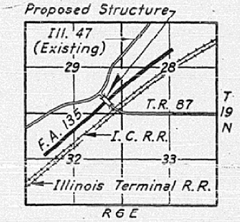
Boring data is shown on the plans only as guide to bidders in estimating soil conditions which may be encountered in the field.

The Contractor shall drive one Concrete test pile in a permanent location at abutment No. 1, in accordance with Article 60.15 of the Standard Specifications, before ordering the remainder of the Piles.

DESIGN STRESSES:
f_s = 18,000 p.s.i. for structural steel.
f_s = 20,000 p.s.i. for reinforcing steel.
f_c = 1,400 p.s.i. for concrete in superstructure and substructure.
v_c = 75 p.s.i. for shear in concrete footings.
n = 10

DESIGN SPECIFICATIONS:
AASHO 1957
Live Loading: H15-S12-44

Proposed Structure
Ill. 47 (Existing)



LOCATION PLAN

TOTAL BILL OF MATERIAL

Item	Unit	Superstr.	Substr.	Total
Class X Concrete	Cu.Yds.	177.	175.	352.
Reinforcement Bars	Lbs.	29,590.	15,160.	44,750.
Structural Steel	Lbs.	145,000.		145,000.
Metal Handrail	Lin. Ft.	442.		442.
Concrete Piles	Lin. Ft.		340.	340.
Test Piles (... Conc.)	Each		1.	1.
Slopewall	Sq.Yds.			327.
Class A Excav. for Str.	Cu.Yds.		222.	222.
Name Plates	Each		2.	2.

GENERAL PLAN & ELEVATION

REVISIONS	
No.	DATE / INITIALS
1	
2	
3	
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10	

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

TOWNSHIP ROAD 87 OVER F.A. ROUTE 135
F.A. ROUTE 135 SECTION 74-69HB-1 PROJECT F-18(51)
STATION 1225 + 59.45 (F.A. RT. 135) PIATT COUNTY

HOMER L. CHASTAIN & ASSOCIATES
CONSULTING ENGINEERS
DECATUR, ILLINOIS

DRAWN BY K.M.C. DATE 8-60
CHECKED BY DATE 8-60
BOOK NUMBER
PROJECT NO.
SHEET NO.

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #10 S.N. 074-0035

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	60
** D5 BRIDGE PAINTING 2023-1			CONTRACT NO. 70F43	
		ILLINOIS FED. AID PROJECT		

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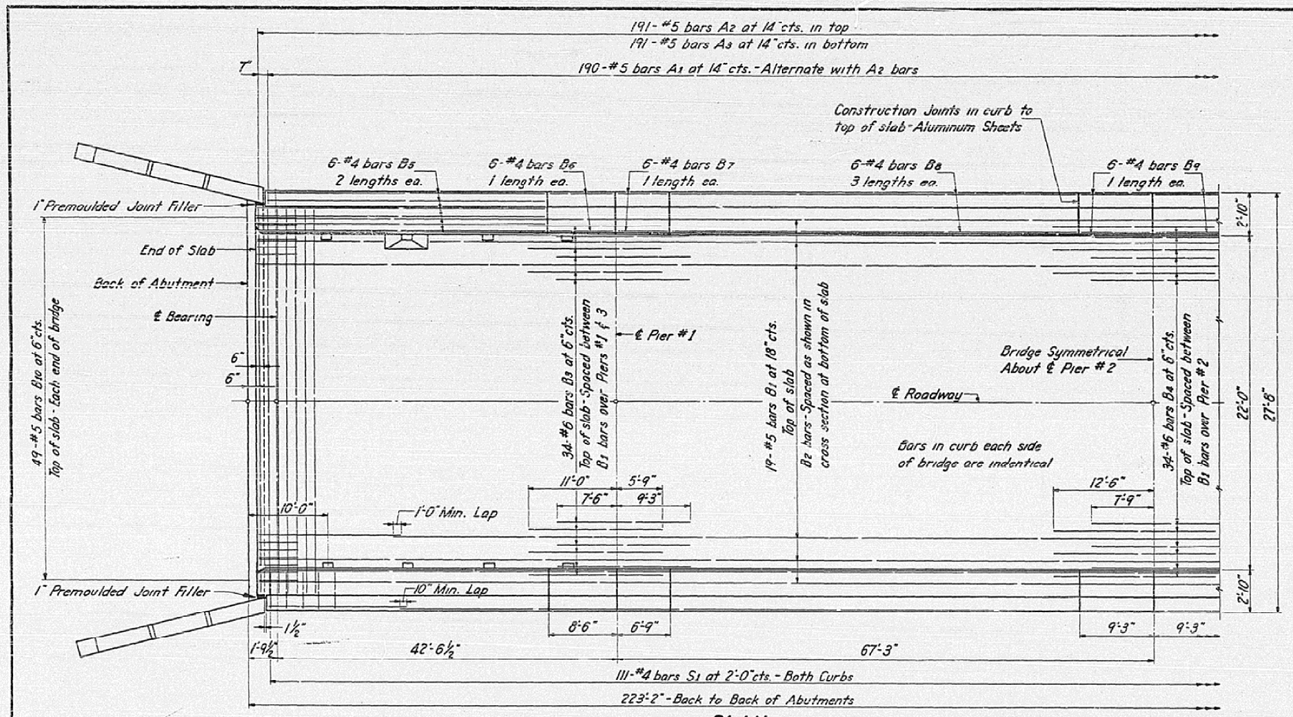

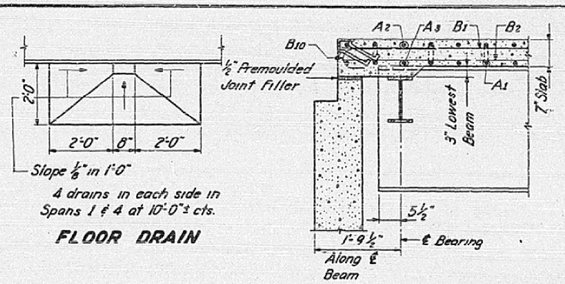

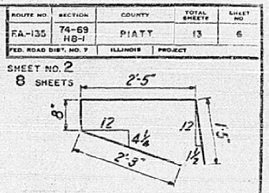

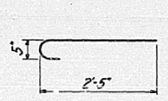

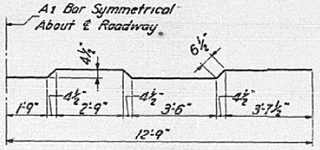

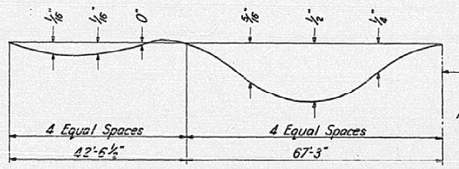

Note: Weight of Structural Steel not included in deflection

BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
A1	190	#5	26'-6"	
A2	191	#5	25'-6"	
A3	191	#5	23'-6"	
B1	132	#5	20'-9"	
B2	160	#5	28'-9"	
B3	68	#6	16'-9"	
B4	34	#6	20'-3"	
B5	48	#4	18'-3"	
B6	24	#4	8'-3"	
B7	24	#4	6'-6"	
B8	72	#4	17'-6"	
B9	24	#4	9'-0"	
B10	98	#5	3'-0"	C
S1	222	#4	6'-9"	
Reinforcement Bars			Lb.	29,590
Structural Steel			Lb	145,000
Class X Concrete			Cu Yd	177
Metal Handrail			Lin. Ft.	442

METHOD OF DETERMINING FILLET HEIGHT "t"

After all Structural Steel has been erected, elevations of the top flanges of beams shall be taken at intervals not to exceed 10 ft. From these elevations subtract the increment of deflections for these points, determined from the D.L. Deflection Diagram. The elevations so attained subtracted from the theoretical grade elevations, minus floor thickness equals fillet heights above top of beam.

REVISIONS		
No.	DATE	INITIALS
1		
2		
3		
4		
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CONCRETE DECK

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

TOWNSHIP ROAD 87 OVER FA. ROUTE 135
FA. ROUTE 135 SECTION 74-69HB-1 PROJECT F-748(5)
STATION 1225+59.45 (F.A. RT. 135) PIATT COUNTY

HOMER L. CHASTAIN & ASSOCIATES
CONSULTING ENGINEERS
DECATUR, ILLINOIS

DRAWN BY R.C.M. DATE
CHECKED BY W.L.C. DATE
DOCU. NUMBER
PROJECT NO.
SHEET NO.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA-135	74-69 HB-1	PIATT	13	6
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

SHEET NO. 2
8 SHEETS

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

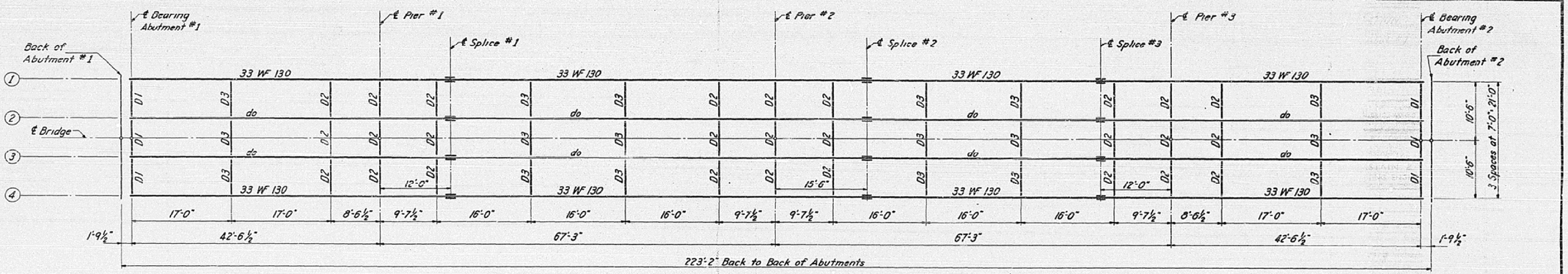
AS-BUILT PLANS
LOCATION #10 S.N. 074-0035

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	61
** D5 BRIDGE PAINTING 2023-1			CONTRACT NO. 70F43	
		ILLINOIS	FED. AID PROJECT	

MODEL: SMODELNAMES
FILE NAME: pw:\\dot4pw.bentley.com:PWIDOT Documents\IDOT Offices\District 5\Projects\D57OF43\CADData\CADSheets\D57OF73-sht-As_Builts.dgn

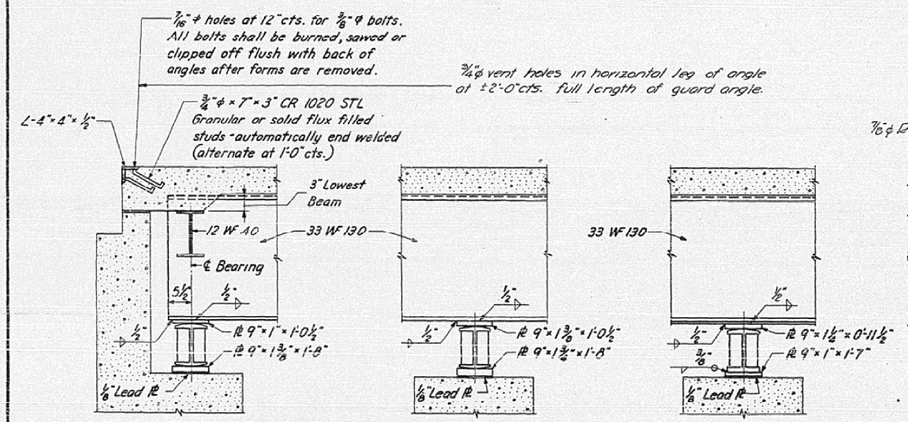
SHEET NO. 3 OF 8 SHEETS	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	F.A.-135	74-69 HB-1	PIATT	13	7
	FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

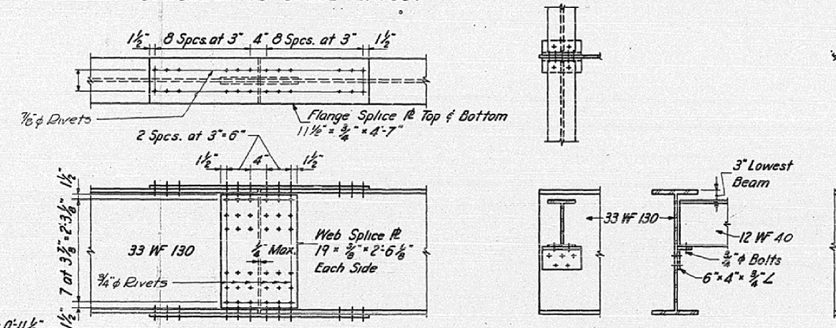


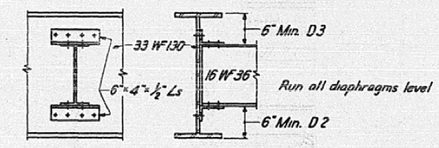
PLAN - STRUCTURAL STEEL LAYOUT

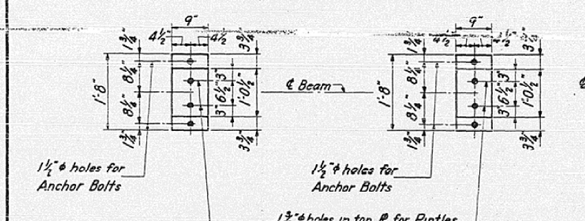
ELEVATION - TOP OF BEAMS

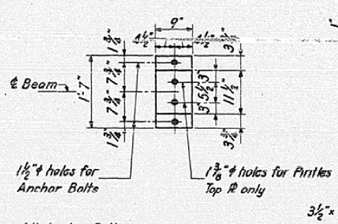
LOCATION	BEAMS 1 ℄ #4	BEAMS 2 ℄ #3
℄ Bearing Abut. #1	731.54	731.66
Pier #1	731.75	731.83
Splice #1	731.81	731.89
Pier #2	731.73	731.81
Splice #2	731.71	731.79
Splice #3	731.41	731.49
Pier #3	731.26	731.34
℄ Bearing Abut. #2	730.79	730.81

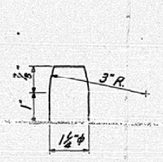


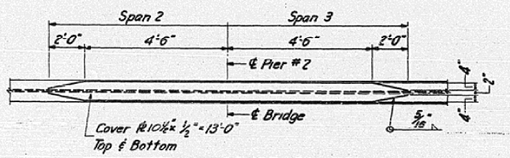


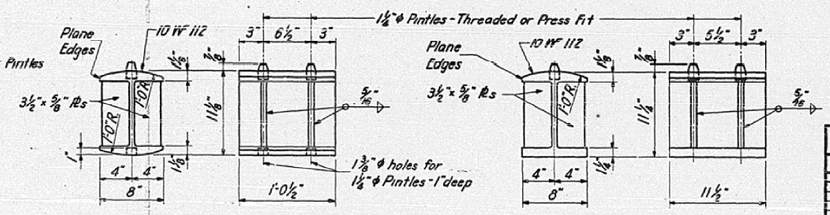












STRUCTURAL STEEL

REVISIONS		
NO.	DATE	REMARKS
1		
2		
3		
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STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS

TOWNSHIP ROAD 87 OVER FA ROUTE 135
F.A. ROUTE 135 SECTION 74-69HB-1 PROJECT
STATION 1225+59.45 (F.A. RT. 135) PIATT COUNTY

HOMER L. CHASTAIN & ASSOCIATES
CONSULTING ENGINEERS
DECATUR, ILLINOIS

DRAWN BY R.C.M. DATE
CHECKED BY W.L. DATE
BOOK NO.
PROJECT NO.
SHEET NO.

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #10 S.N. 074-0035

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	62
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
	ILLINOIS	FED. AID PROJECT		

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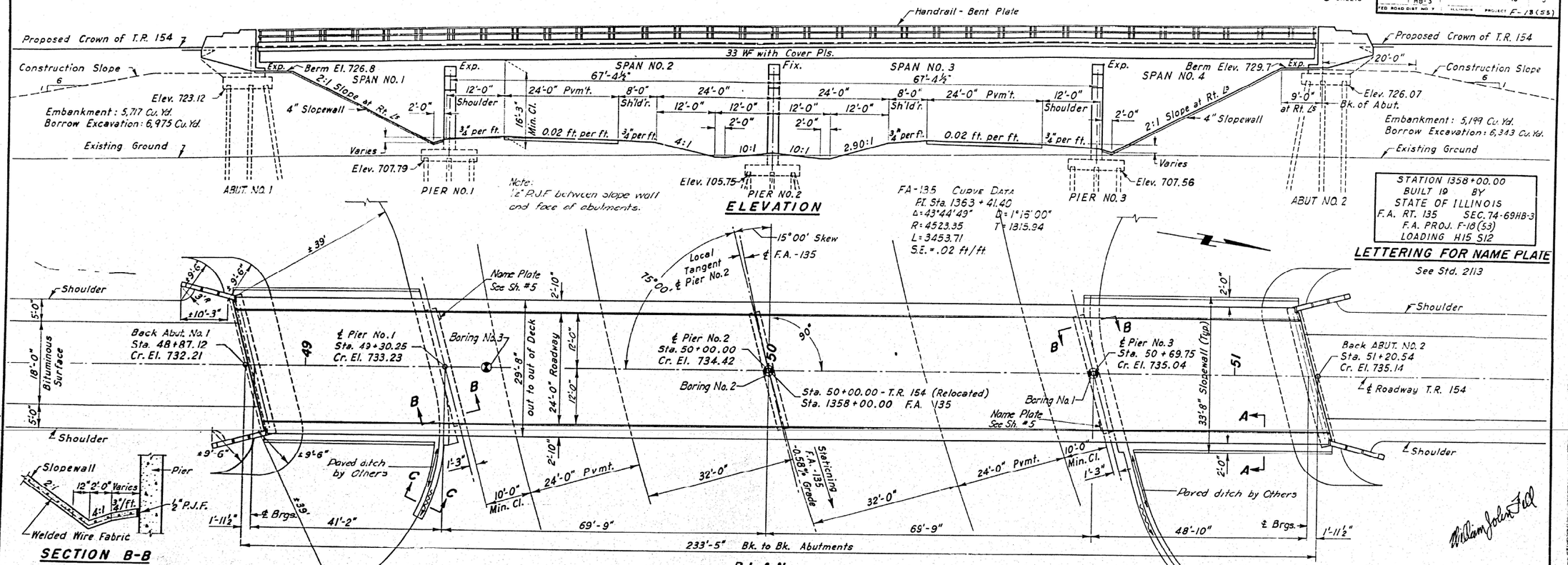
FILE NAME: pw:\\dot-aw.bentley.com:PWDOT\Documents\IDOT Offices\District 5\Projects\D570F43\CADData\CADSheets\D570F73-sht-As-Builts.dgn

B.M. #30 - Railroad Spike in corner fence post
625' Rt. Sta. 1359+90 - Elev. 712.40.

SHEET NO. 1
8 SHEETS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA-135	74-69 HB-3	PIATT	16	5
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT F-18(53)		



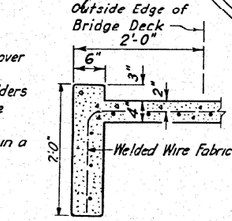
GENERAL NOTES

Class X Concrete shall be used throughout.
The concrete floor slab shall be finished in accordance with Article 511.19 of the Standard Specifications.
Concrete Slopewalls shall be reinforced with welded wire fabric 6"x 6" mesh, #4 wires, weighing 58# per 100 sq. ft.
Rivets ⅞"ϕ, Open holes 15/16" ϕ, unless noted.
Field connections shall be riveted or, at the option of the Contractor, high strength steel bolts of the same nominal diameter may be substituted. See Article 54.9 (i) of the Standard Specifications.
All cover plates and beams to which cover plates are welded shall conform to A.S.T.M. A-373 structural steel.
All rockers, bolsters, bearing plates, lead plates, pintles and anchor bolts shall be fabricated and set in accordance with Article 511.15 of the Standard Specifications and are included in the quantity of Structural Steel.
Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Articles 56.1 to 56.5 inclusive of the Standard Specifications.

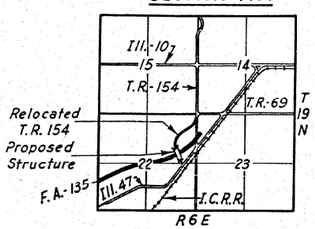
Anchor bolts shall be set before installing diaphragms over supports.
Boring data is shown on the plans only as a guide to bidders in estimating soil conditions which may be encountered in the field.
The Contractor shall drive one Concrete test pile in a permanent location at Abutment #1 and one in a permanent location at pier No. 3, in accordance with Article 601.15 of The Standard Specifications, before ordering the remainder of the piles.
Abutment Piles shall be driven through holes that have been precored in accordance with Article 601(c) of The Standard Specifications.

DESIGN STRESSES:
fs = 18,000 p.s.i. for structural steel.
fs = 20,000 p.s.i. for reinforcing steel.
fc = 1,400 p.s.i. for concrete in superstructure and substructure.
Vc = 75 p.s.i. for shear in concrete footings.
n = 10

DESIGN SPECIFICATIONS:
AASHO 1957
Live Loading: H15-S12-44



SECTION A-A



TOTAL BILL OF MATERIAL

Item	Unit	Superstr.	Substr.	Total
		~~50210~~		~~58064~~
Class X Concrete	Cu. Yds.	~~195~~	210	~~405~~
Reinforcement Bars	Lbs.	~~32770~~	17,854	~~50624~~
Structural Steel	Lbs.	163,000		163,000
Metal Handrail	Lin. Ft.	462		462
Concrete Piles	Lin. Ft.		1,289	1,289
Test Piles (Concrete)	Each		2	2
Slopewall	Sq. Yds.		367	367
Class A Excav. for Str.	Cu. Yds.		185	185
Borrow Excav. for Str.	Cu. Yds.			13,318
Name Plates	Each		2.	2.

GENERAL PLAN & ELEVATION

REVISIONS		
NO.	DATE	INITIALS
1		
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STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS

TOWNSHIP ROAD 154 OVER F.A. ROUTE 135
F.A. ROUTE 135 SECTION 74-69 HB-3 PROJECT F-18(53)
STATION 1358+00.00 (F.A. RT. 135) PIATT COUNTY

HOMER L. CHASTAIN & ASSOCIATES
CONSULTING ENGINEERS
DECATUR, ILLINOIS

DRAWN BY KNC DATE 8-60
CHECKED BY CRB DATE 8-60
BOOK NUMBER
PROJECT NO.
SHEET NO.

Revised 10-19-60 Reinf. L D W.

+ CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #11 S.N. 074-0036

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	63
** DS BRIDGE PAINTING 2023-1			CONTRACT NO. 70F43	
		ILLINOIS	FED. AID PROJECT	

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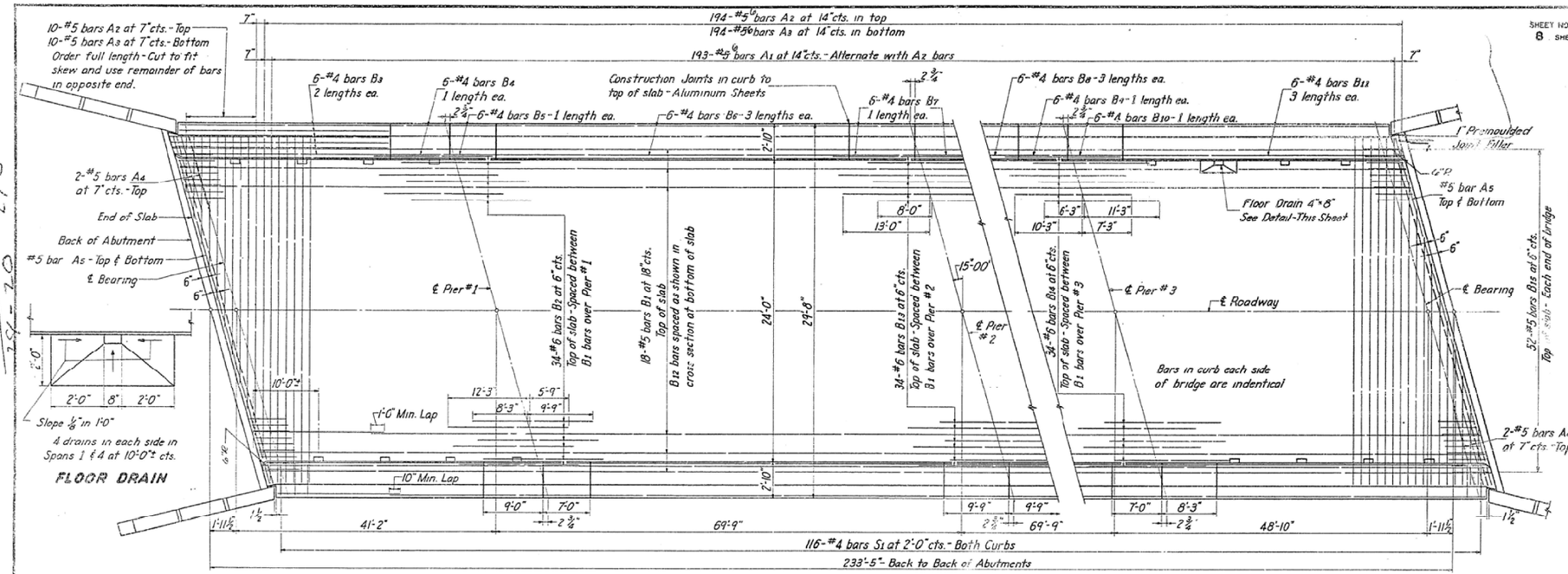
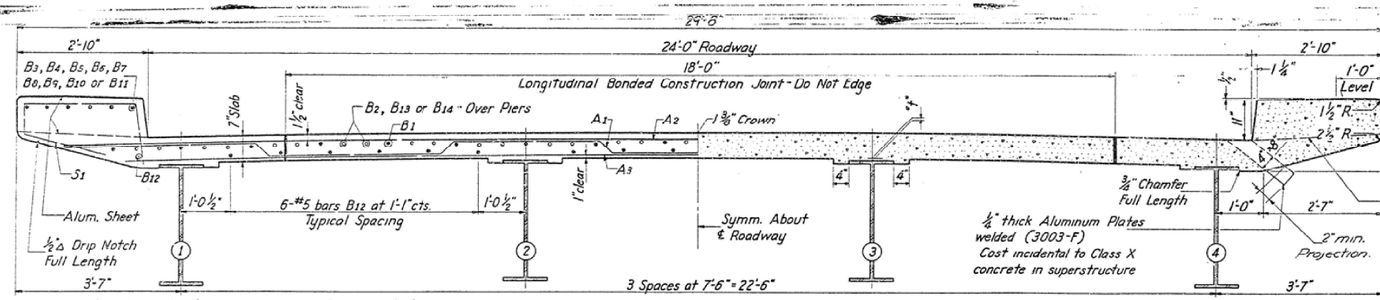
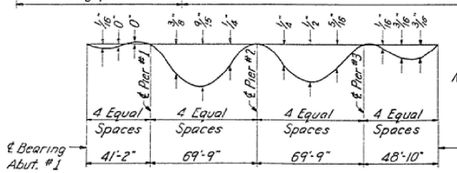
SHEET NO. 2	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8 SHEETS	FA.-135	74-69 HB-3	PIATT	18	6
	FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
A1	193	# 5	28'-6"	
A2	204	# 5	27'-6"	
A3	204	# 5	25'-0"	
A4	4	# 5	6'-3"	
A5	4	# 5	28'-9"	
B1	144	# 5	30'-0"	
B2	34	# 6	18'-0"	
B3	24	# 4	17'-9"	
B4	12	# 4	9'-9"	
B5	12	# 4	5'-9"	
B6	36	# 4	18'-3"	
B7	24	# 4	9'-6"	
B8	36	# 4	18'-6"	
B9	12	# 4	6'-9"	
B10	12	# 4	8'-0"	
B11	36	# 4	15'-0"	
B12	160	# 5	30'-0"	
B13	34	# 6	21'-0"	
B14	34	# 6	17'-6"	
B15		# 5	3'-3"	
S1	B12	# 4	6'-9"	
Reinforcement Bars			Lb.	~~38,770~~
Structural Steel			Lb.	163,000
Class X Concrete			Cu. Yd.	195
Metal Handrail			Lin. Ft.	462

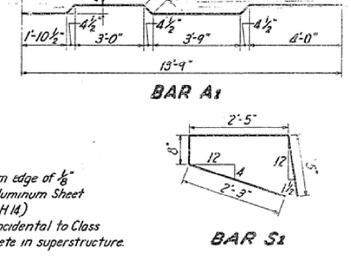




Note: Weight of Structural Steel not included in deflection

METHOD OF DETERMINING FILLET HEIGHT "t"

After all Structural Steel has been erected, elevations of the top flanges of the beams shall be taken at intervals not to exceed 10 ft. From these elevations subtract the increment of deflections for these points, determined from the D.L. Deflection Diagram. The elevations so attained subtracted from the theoretical grade elevations, minus floor thickness equals fillet heights above top of beam.



CONCRETE DECK

REVISIONS		
No.	DATE	INITIALS
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STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS

TOWNSHIP ROAD 154 OVER F.A. ROUTE 135
F.A. ROUTE 135 SECTION 74-69HB-3 PRO. [illegible] (CS)
STATION 1358+00.00 (F.A. RT. 135) [illegible] COUNTY

HOMER L. CHASTAIN & ASSOCIATES
CONSULTING ENGINEERS
DECATUR, ILLINOIS

DATE
ONE INCH
LOCK NUMBERS
PROJECT NO.
SHEET NO.

Revised 10-19-60 Reinf. LPW

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/16/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #11 S.N. 074-0036

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	64
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
		ILLINOIS	FED. AID PROJECT	

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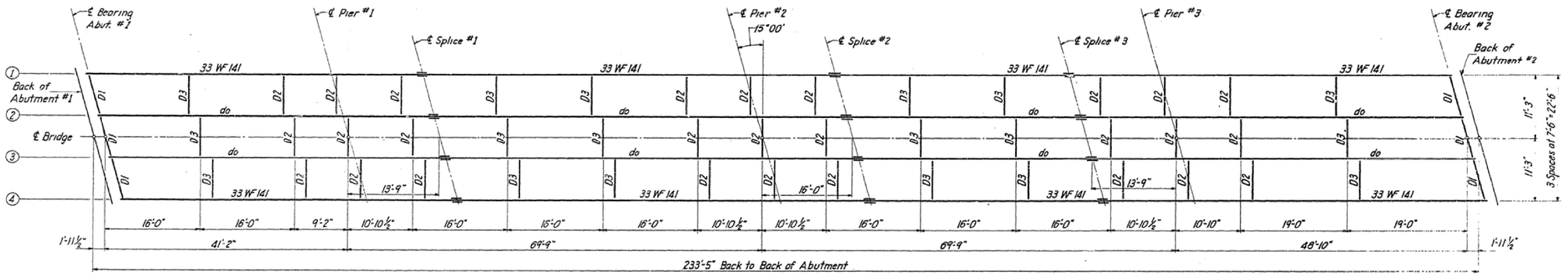
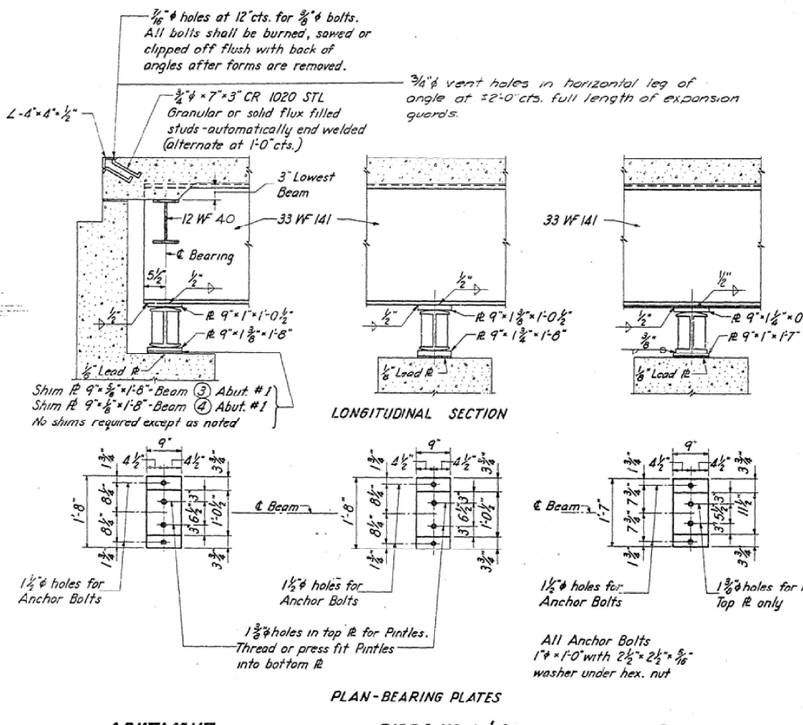
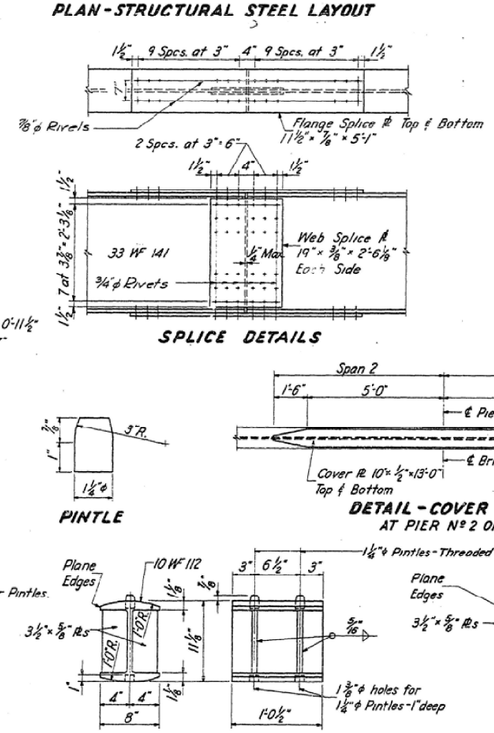
SHEET NO. 3
8 SHEETS

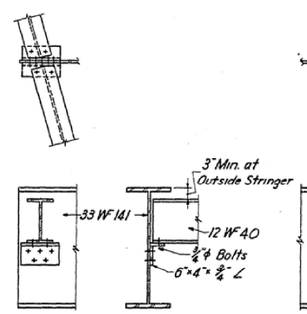
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA.-135	74-69 HB-3	PIATT	16	7
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



PLAN - STRUCTURAL STEEL LAYOUT







ELEVATION - TOP OF BEAMS

LOCATION	BEAMS 1	2	3	4
℄ Bearing Abut. #1	731.52	731.66	731.71	731.67
Pier #1	732.43	732.56	732.60	732.55
Splice #1	732.73	732.86	732.90	732.85
Pier #2	733.61	733.72	733.75	733.69
Splice #2	733.86	733.97	734.00	733.93
Splice #3	734.22	734.33	734.33	734.26
Pier #3	734.28	734.38	734.38	734.31
℄ Bearing Abut. #2	734.48	734.57	734.57	734.47

STRUCTURAL STEEL

REVISIONS		
No.	DATE	ENTRIES
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STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS

TOWNSHIP ROAD 154 OVER FA. ROUTE 135
FA ROUTE 135 SECTION 74-69HB-3 PROJECT [illegible]
STATION 1358+00.00 (FA. RT. 135) PIATT COUNTY

HOMER L. CHASTAIN & ASSOCIATES
CONSULTING ENGINEERS
DECATUR, ILLINOIS

Drawn BY R.C.M. DATE
Checked BY A.L.C. DATE
Project No.
Sheet No.

+ CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #11 S.N. 074-0036

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	65
** DS BRIDGE PAINTING 2023-1			CONTRACT NO. 70F43	
		ILLINOIS FED. AID PROJECT		

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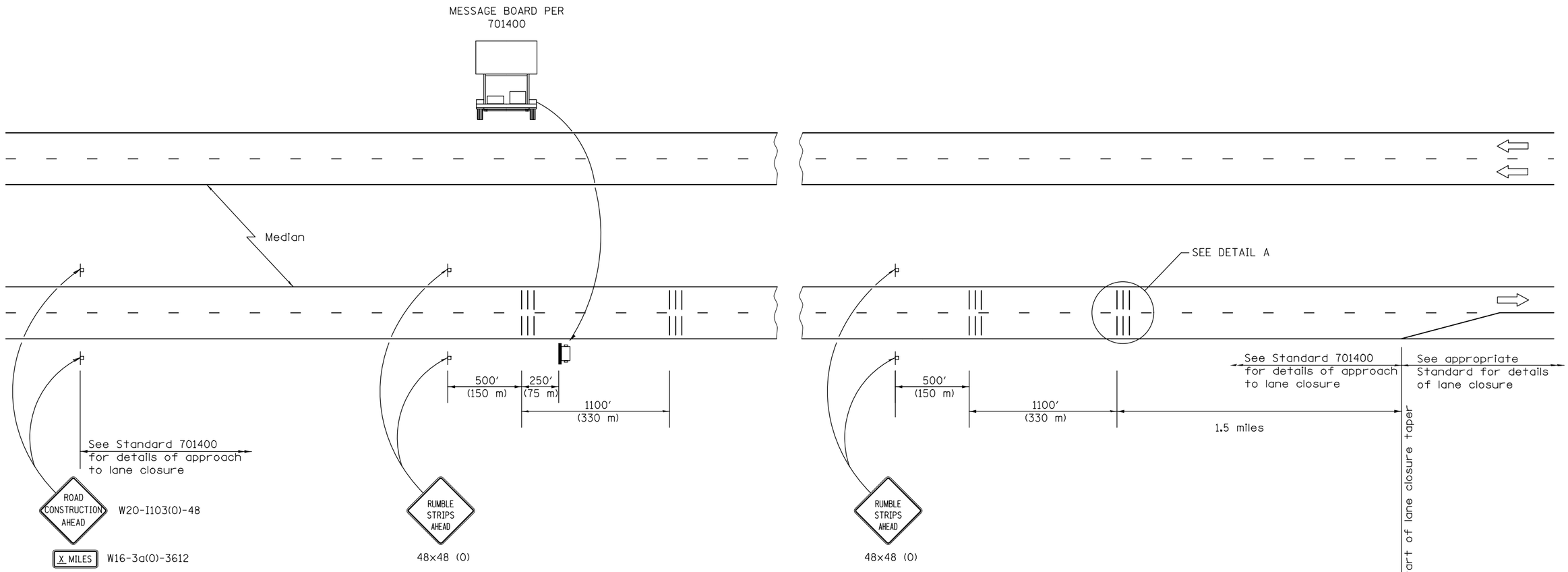
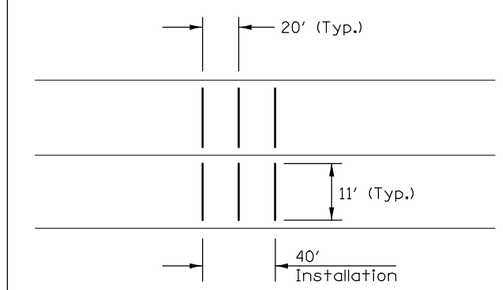
DETAIL FOR TEMPORARY RUMBLE STRIPS (SPECIAL)



DETAIL A



SYMBOLS

- Sign
- Temporary Rumble Strips (Special)
- Trailer Mounted Sign

GENERAL NOTES

Remove the Temporary Rumble Strips (Special) prior to the removal of the advanced warning signs.

All dimensions are in inches (millimeters) unless otherwise shown.

The first rumble strip is placed 250′ in advance of the message board required by 701400

For consecutive overheads along I-57 & I-72, the 1.5 mile rumble strips may be used as the advanced rumble strips at the next bridge - to be determined by the engineer.

* CHAMPAIGN, MCLEAN & PIATT

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

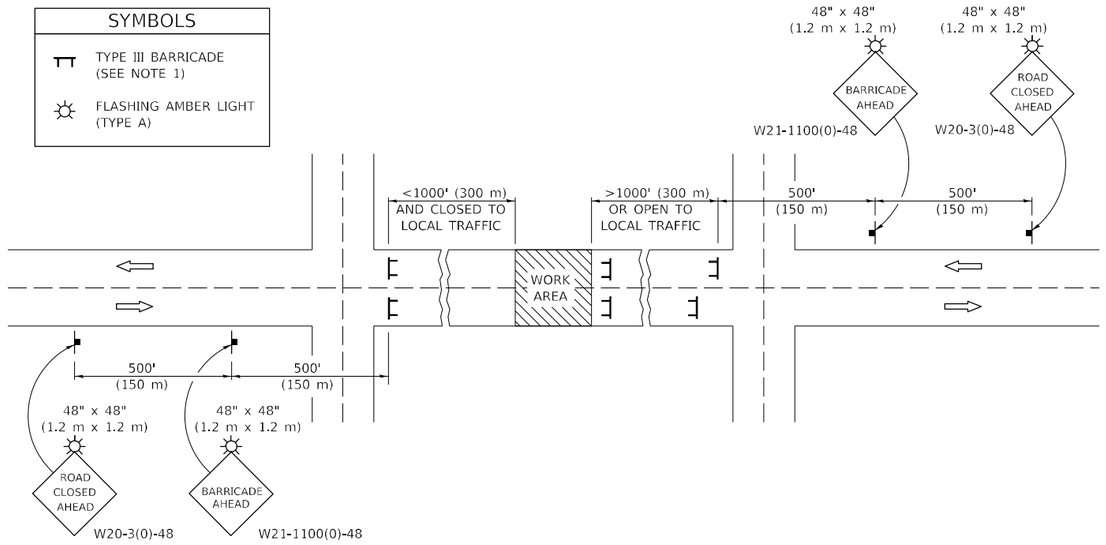
DETAIL FOR TEMPORARY RUMBLE STRIPS (SPECIAL)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	66
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS	FED. AID PROJECT			

MODEL: sMODELNAME$
FILE NAME: p:\Utilities\Bridge Painting\Contracts\2023\D5 70F43\CAD\Data\CADsheets\D570F43-alt-Details.dgn

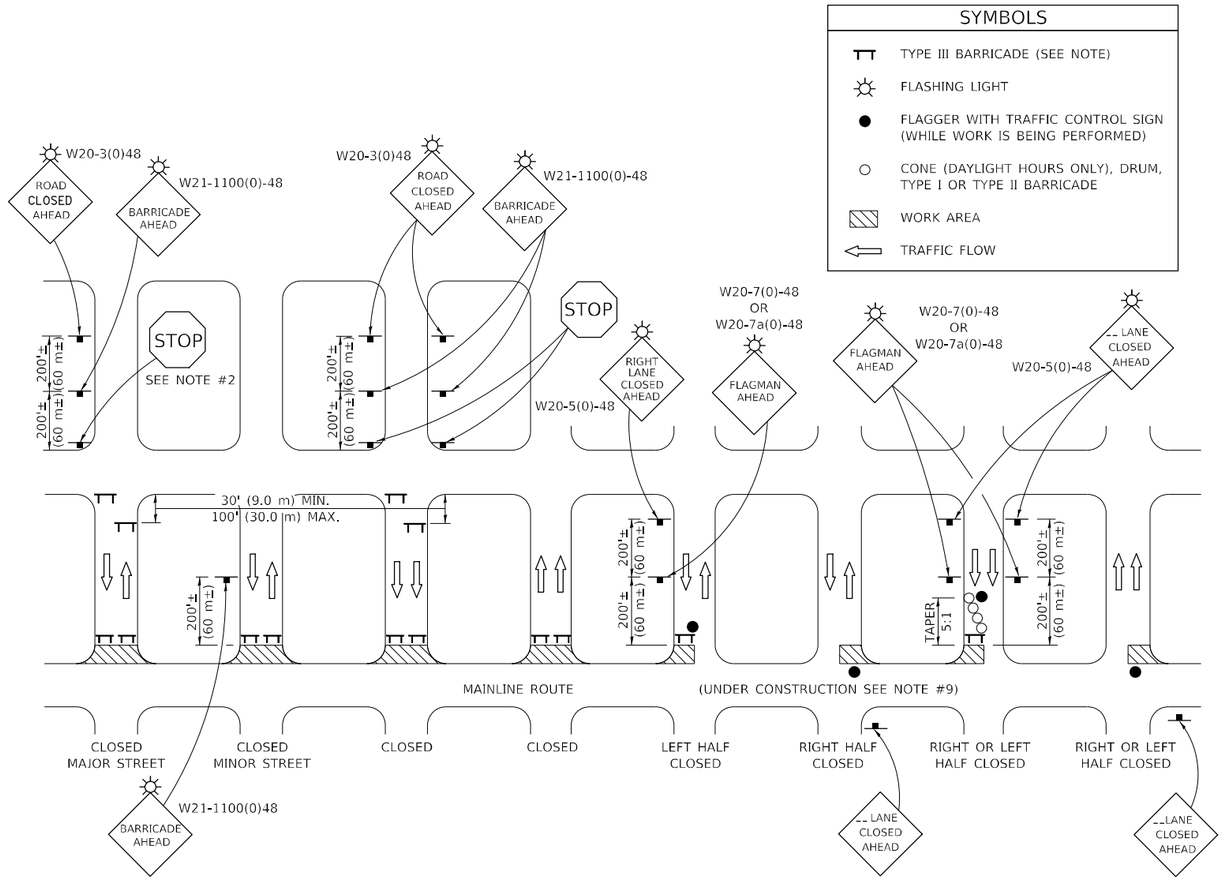
ROAD CLOSURE



GENERAL NOTES

1. TYPE III BARRICADES SHALL BE AS SHOWN ON STANDARD 701901 "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
2. IF THE ROAD IS OPEN TO LOCAL TRAFFIC OR EXCEEDS 1000' (300 m), ANOTHER SET OF TYPE III BARRICADES, EQUIPPED AS IN NOTE 1 ABOVE, SHALL BE PLACED AT EACH END OF THE WORK AREA.
3. WHEN A STOP CONDITION EXISTS, NO SIGNS ARE REQUIRED IN ADVANCE OF THE "STOP" SIGN WHEN THE ROAD IS CLOSED WITHIN 100' (30 m) OF THE INTERSECTION.
4. STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & DESIGN OF TYPE III BARRICADES.
5. IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.
6. REFLECTORIZED STRIPING SHALL APPEAR ON BOTH SIDES OF THE TY III BARRICADES IF ROAD IS OPEN TO LOCAL TRAFFIC.
7. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
8. A MINIMUM OF TWO FLASHING LIGHTS SHALL BE USED AT NIGHT ON EACH APPROACH IN ADVANCE OF THE WORK AREA. FLASHING LIGHTS SHALL BE INSTALLED ABOVE THE FIRST TWO SIGNS IN THE SERIES.
9. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
10. FORMS BT. 725 AND BT. 726 ARE REQUIRED.
11. WHEN A SIDEROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC DEVICES SHALL BE ERECTED AND PROVIDED AS DIRECTED BY THE ENGINEER.
12. AN ADDITIONAL SIGN MAY BE REQUIRED AT A MAJOR INTERSECTING ROAD IN ADVANCE OF THE CLOSURE. THE ADDITIONAL SIGN SHALL GIVE THE DISTANCE TO THE BARRICADE IN MILES OR FRACTIONS OF A MILE.

SIDEROAD / STREET CLOSURE



GENERAL NOTES

1. TYPE III BARRICADES SHALL BE AS SHOWN ON "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
2. WHERE A STOP CONDITION EXISTS, AS SHOWN ABOVE, WARNING SIGNS MAY BE OMITTED IN ADVANCE OF THE "STOP" SIGN.
3. STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & MANUFACTURE OF TYPE III BARRICADES.
4. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
5. ONE FLASHING LIGHT IS REQUIRED ABOVE EACH ADVANCE WARNING SIGN DURING HOURS OF DARKNESS.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
7. FORMS BT 725 AND BT 726 ARE REQUIRED.
8. THE MAINLINE ROUTE TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.
9. ALL FLAGGERS REQUIRED AT SIDE ROADS AND ENTRANCES REMAINING OPEN TO TRAFFIC AND/OR ADDITIONAL BARRICADES REQUIRED BY THE ENGINEER TO CLOSE SIDE ROADS AND ENTRANCES WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

LOC. 6 & 7
SIX POINTS RD.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

* CHAMPAIGN, MCLEAN & PIATT

DISTRICT 5 DETAIL NO. 70200000

USER NAME = Greg.Eaglin	DESIGNED -	REVISED - 11/06
	DRAWN -	REVISED - 12/07
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED - 09/09 KJT
PLOT DATE = 8/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL & PROTECTION DEVICES (ROAD & SIDEROAD / STREET CLOSURES)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	**	*	67	67
** D5 BRIDGE PAINTING 2023-1		CONTRACT NO. 70F43		
ILLINOIS	FED. AID PROJECT			

MODEL: $MODELNAME$
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT Documents\IDOT Office\District 5\Projects\D570F43\CADData\CADsheets\D570F43-sht-Detail.dgn