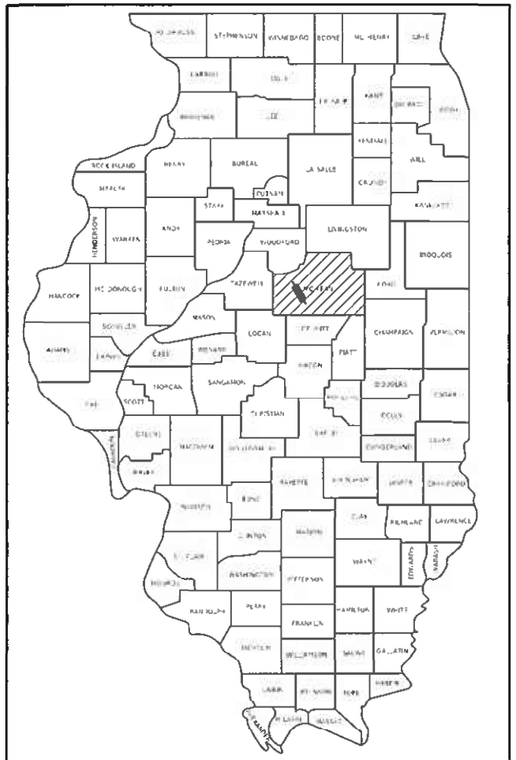
01-21-2022 LETTING ITEM 029

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	1
	ILLINOIS	CONTRACT NO. 70E74		

* D5 BRIDGE PAINTING 2022-1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

D-95-023-20



LOCATION OF SECTION INDICATED THUS:- ▬

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4 – 7

PROPOSED HIGHWAY PLANS

ROUTES FAI–74 & FAI–39 /(I–74 & I–39)
SECTION D5 BRIDGE PAINTING 2022–1
PROJECT NHPP – ZWCU(271)
BRIDGE PAINTING
MCLEAN COUNTY

C–95–082–20

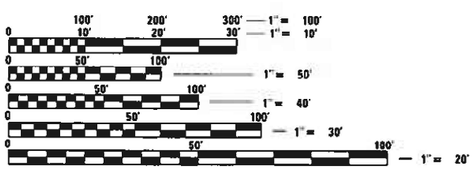
CURRENT TRAFFIC DATA

LOC. #1	LOC. #2	LOC. #3	LOC. #4	LOC. #5
23,900	23,900	23,900	23,900	23,900
(2019) I-74	(2019) I-74	(2019) I-74	(2019) I-74	(2019) I-74
LOC. #6	**LOC. #7**	**LOC. #8**	**LOC. #9**	**LOC. #10**
24,200	1,750	1,750	11,950	11,950
(2019)	(2020)	(2020)	(2019)	(2019)
I-74	Co Hwy 12	Co Hwy 12	I-74 (WB)	I-74 (EB)

TRAFFIC DATA LOCATIONS

LOC. #1: S.N. 057-0113 - T.R. 76 OVER FAI 74 @ M.P.118.9
LOC. #2: S.N. 057-0102 - CARLOCK ROAD OVER FAI 74 @ M.P.120.0
LOC. #3: S.N. 057-0112 - T.R. 90 OVER FAI 74 @ M.P.120.5
LOC. #4: S.N. 057-0114 - T.R. 104 OVER FAI 74 @ M.P.121.6
LOC. #5: S.N. 057-0115 - T.R. 201 OVER FAI 74 @ M.P. 123.8
LOC. #6: S.N. 057-0105 - FAS 1473 OVER FAI 74 @ M.P. 126.3
LOC. #7: S.N. 057-0205 - FAI 39 (SB) OVER FAS 472 / CH 12 @ M.P. 4.7
LOC. #8: S.N. 057-0206 - FAI 39 (NB) OVER FAS 472 / CH 12 @ M.P. 4.7
LOC. #9: S.N. 057-0045 - FAI 74 (WB) OVER N.S.R.R. @ M.P. 124.6
LOC. #10: S.N. 057-0046 - FAI 74 (EB) OVER N.S.R.R. @ M.P. 124.6

FOR LOCATION MAP, SEE SHEET 3



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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 10/6 2021
Kenaila. Bennett SWN
REGIONAL ENGINEER

December 10 2021
ENGINEER OF DESIGN AND ENVIRONMENT

December 10 2021
Stephen M Travis
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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

CONTRACT NO. 70E74

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
701400-11	APPROACH TO LANE CLOSURE, FREEWAY / EXPRESSWAY
701402-12	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
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.-107.12
THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE LOCAL RAILROAD CONTACT IS:

Mr. Brian Taylor
Engineer Public Improvements
Norfolk Southern Corporation
650 West Peachtree Street, NW., Box 45
Atlanta, GA 30309
(678) 333-4274
george.taylor3@nscorp.com

ALL EMAIL CORRESPONDENCE WITH NS SHOULD USE THE SUBJECT LINE:
"SUBJECT" - BLOOMINGTON, IL - NS FILE BR0020925 - I-74 OHB PAINTING - MIDWEST DIV. MP SP-381.46
ALSO CARBON COPY THE FOLLOWING INDIVIDUALS:
Ronald.Finley@jacobs.com, Ronald Finley@nscorp.com and kauri.benner@jacobs.com.

SPECIAL ATTENTION IS CALLED TO ARTICLE 107.12 REGARDING RAILROAD FLAGGERS. THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE RAILROAD CONTACT PERSON FOR FLAGGERS IS: (SEE NOTE BELOW)

FLAGGING WILL BE ASSIGNED BY NORFOLK SOUTHERN ONCE THEIR RIGHT OF ENTRY AND INSURANCE REQUIREMENTS HAVE BEEN MET.

SOME RAILROADS REQUIRE CONTRACTORS TO OBTAIN A RIGHT OF ENTRY PERMIT BEORE ENTERING UPON RAILROAD RIGHT OF WAY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN A RAILROAD RIGHT OF ENTRY PERMIT FROM THE RAILROAD IF REQUIRED BY THE RAILROAD.

G.N.-107.12A (SPECIAL)
ALL WORK TO BE PREFORMED ON, OVER, UNDER, OR ADJACENT TO THE RAILROAD RIGHT OF WAY SHALL COMPLY WITH THE NORFOLK SOUTHERN RAILWAY COMPANY ("RAILROAD", "NSR" OR "NS") PUBLIC PROJECTS MANUAL (APPENDIX E, SPECIAL PROVISIONS FOR THE PROTECTION OF RAILWAY INTERESTS, AND APPENDIX H1, OVERHEAD GRADE SEPARATION DESIGN CRITERIA). WHEN IN CONFLICT WITH OTHER SPECIFICATIONS, THE MOST STRINGENT ONE SHALL APPLY.

ADDITIONALLY, THE MINIMUM TEMPORARY CLEARANCES OF 22'-0" VERTICALLY ABOVE TOP OF HIGHEST RAIL AND 13'-0" HORIZONTALLY FROM CENTERLINE OF TANGENT TRACK (OR 14'-0" HORIZONTALLY FROM CENTERLINE OF CURVED TRACK) SHALL BE MAINTAINED AT ALL TIMES. MINIMUM CLEARANCES FOR CONTAINMENT SYSTEM, OPERATIONS AND REMOVAL SHALL NOT BE LESS THAN 22'-0" ABOVE TOP OF RAIL OF NORFOLK SOUTHERN TRACKS AND 13'-0" FROM CENTERLINE OF TRACK MEASURED AT A RIGHT ANGLE.

ALL PROPOSED TEMPORARY CLEARANCES WHICH ARE LESS THAN THOSE LISTED ABOVE MUST BE SUBMITTED TO RAILROAD ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION AND MUST ALSO BE AUTHORIZED BY THE REGULATORY BODY OF THE STATE IF LESS THAN THE LEGALLY PRESCRIBED CLEARANCES AS STATED IN ARTICLE 107.12 OF THE STANDARD SPECIFICATIONS.

G.N.-107.12B (SPECIAL)
IT HAS BEEN ADVISED BY THE RAILROAD THAT TRACK AND GROUND PROTECTION SHALL BE PROVIDED TO PROTECT THE BALLAST FROM CONTAMINATION AND THAT IT WOULD BE THE RESPONSIBILITY OF THE CONTRACTOR FOR ANY RESTORARTION IF DEEMED NECESSARY BY THE RAILROAD. ALSO, THE CONTRACTOR SHALL PROVIDED THEIR INTENT FOR PROTECTIOIN TO THE RAILROAD AND MAY DISCUSS ANY QUESTIONS AT THE CONTACT INFORMATION SHOWN.

G.N.-107.12C (SPECIAL)
FOR PROJECTS REQUIRING MORE THAN 30 CONSECUTIVE DAYS OF FLAGGING, THE CONTRACTOR SHALL PROVIDE THE FLAGMAN A SMALL WORK AREA WITH A DESK/ COUNTER AND CHAIR WITHIN THE FIELD/SITE TRAILER, INCLUDING THE USE OF BATHROOM FACILITIES, WHERE THE FLAGMAN CAN CHECK IN/OUT WITH THE PROJECT, AS WELL AS TO THE FLAGMAN'S HOME TERMINAL. THE WORK AREA SHOULD PROVIDE ACCESS TO TWO (2) ELECTRICAL OUTLETS FOR RECHARGING RADIO(S), AND A LAPTOP COMPUTER; AND HAVE THE ABILITY TO PRINT OFF NEEDED DOCUMENTATION AND ORDERS AS NEEDED AT THE FIELD/SITE TRAILER. THIS SHOULD AID IN MAXIMIZING THE FLAGMANS'S TIME AND EFFFICIENCY ON THE PROJECT.

THE COST OF CONFORMING TO THE ADDITIONAL RAILROAD REQUIREMENTS AS STATED IN G.N.-107.12A (SPECIAL), G.N.-107.12B (SPECIAL) AND G.N.-107.12C (SPECIAL) SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES BID FOR THE VARIOUS ITEMS OF WORK INVOLVED, AND NO ADDITIONAL COMPENSATIOIN WILL BE ALLOWED.

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.

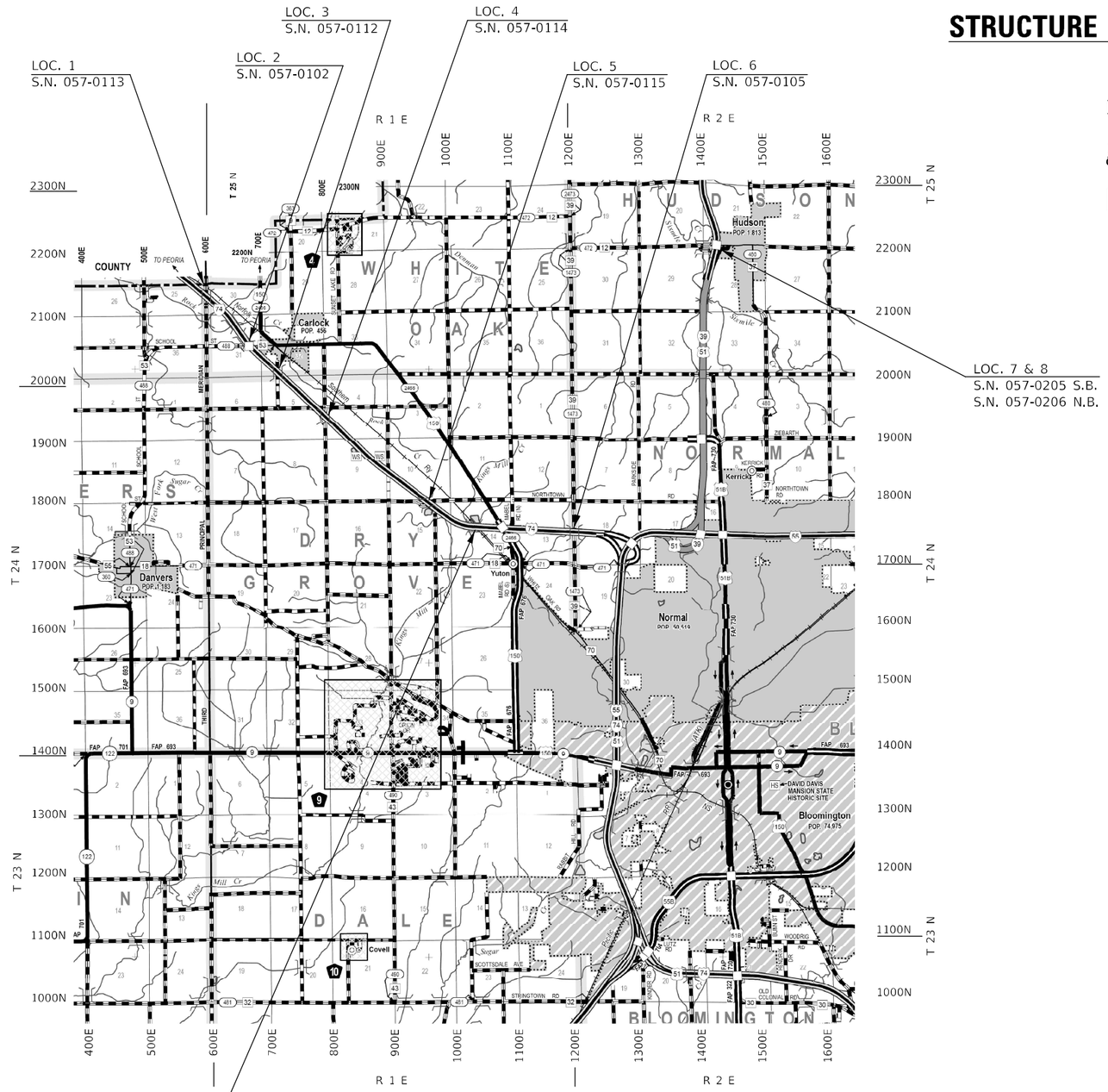
THE SSPC-QP1 AND QP2 PAINTING CONTRACTOR CERTIFICATIONS WILL BE REQUIRED FOR THIS CONTRACT.

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

COMMITMENTS
THERE ARE NO COMMITMENTS ON THIS PROJECT.

STRUCTURE LOCATION MAP



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

TOWNSHIPS

WHITE OAK
DRY GROVE
BLOOMINGTON

USER NAME = eaglinga	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/29/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE LOCATION MAP – MCLEAN COUNTY

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	3
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS FED. AID PROJECT		

MODEL: $MODEL$NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\projects\D570E74\CADData\CAD\sheets\D570E74-sht4.dgn

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
	FAI 74	FAI 74	FAI 74	FAI 74	FAI 74	FAI 74	FAI 39 SB	FAI 39 NB	FAI 74 WB	FAI 74 EB
	S.N.057-0113	S.N. 057-0102	S.N. 057-0112	S.N. 057-0114	S.N. 057-0115	S.N. 057-0105	S.N. 057-0205	S.N. 057-0206	S.N. 057-0045	S.N. 057-0046
COUNTY:	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN
	RURAL	RURAL	RURAL	RURAL	RURAL	URBAN	RURAL	RURAL	RURAL	RURAL
FUNDING BREAKOUT:	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
CONSTRUCTION TYPE CODE:	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
67100100	MOBILIZATION	L SUM	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	26.0	4.0	4.0	4.0	4.0	4.0	4.0			1.0	1.0
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	3.0		2.0	1.0							
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0							0.5	0.5		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	56.0	14.0					28.0	7.0	7.0		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	4900.0	650.0	650.0	650.0	650.0	650.0	650.0			500.0	500.0
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	3900.0	650.0	650.0	650.0	650.0	650.0	650.0				
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	14.0	2.0	2.0	2.0	2.0	2.0	2.0			1.0	1.0
70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	12.0	2.0	2.0	2.0	2.0	2.0	2.0				
X2700001	TEMPORARY RUMBLE STRIPS (SPECIAL)	EACH	60.0	12.0	8.0	8.0	8.0	8.0	8.0			4.0	4.0

* DENOTES SPECIALTY ITEM

MODEL: $MODEL NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADSheets\D570E74-sht-SOQ.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 1 OF 4 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	4
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		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
	FAI 74	FAI 74	FAI 74	FAI 74	FAI 74	FAI 74	FAI 39 SB	FAI 39 NB	FAI 74 WB	FAI 74 EB
	S.N.057-0113	S.N. 057-0102	S.N. 057-0112	S.N. 057-0114	S.N. 057-0115	S.N. 057-0105	S.N. 057-0205	S.N. 057-0206	S.N. 057-0045	S.N. 057-0046
COUNTY:	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN
	RURAL	RURAL	RURAL	RURAL	RURAL	URBAN	RURAL	RURAL	RURAL	RURAL
FUNDING BREAKOUT:	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
CONSTRUCTION TYPE CODE:	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
X5060607	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 7	L SUM	1.0							1.0			
X5060608	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 8	L SUM	1.0								1.0		
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		

* DENOTES SPECIALTY ITEM

MODEL: $MODEL$NAME
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADSheets\D570E74-sht-SOQ.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 2 OF 4 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	5
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		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
	FAI 74	FAI 74	FAI 74	FAI 74	FAI 74	FAI 74	FAI 39 SB	FAI 39 NB	FAI 74 WB	FAI 74 EB
	S.N. 057-0113	S.N. 057-0102	S.N. 057-0112	S.N. 057-0114	S.N. 057-0115	S.N. 057-0105	S.N. 057-0205	S.N. 057-0206	S.N. 057-0045	S.N. 057-0046
COUNTY:	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN
	RURAL	RURAL	RURAL	RURAL	RURAL	URBAN	RURAL	RURAL	RURAL	RURAL
FUNDING BREAKOUT:	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
CONSTRUCTION TYPE CODE:	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
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
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1.0	0.1	0.1	0.1	0.1	0.1	0.1			0.2	0.2
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				
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

* DENOTES SPECIALTY ITEM

MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-int-SQ0.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 3 OF 4 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	6
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		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
	FAI 74	FAI 74	FAI 74	FAI 74	FAI 74	FAI 74	FAI 39 SB	FAI 39 NB	FAI 74 WB	FAI 74 EB
	S.N. 057-0113	S.N. 057-0102	S.N. 057-0112	S.N. 057-0114	S.N. 057-0115	S.N. 057-0105	S.N. 057-0205	S.N. 057-0206	S.N. 057-0045	S.N. 057-0046
COUNTY:	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN	MCLEAN
	RURAL	RURAL	RURAL	RURAL	RURAL	URBAN	RURAL	RURAL	RURAL	RURAL
FUNDING BREAKOUT:	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
CONSTRUCTION TYPE CODE:	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
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
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1.0									0.5	0.5

* DENOTES SPECIALTY ITEM

MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-int-SQQ.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 4 OF 4 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	7
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS FED. AID PROJECT		

TRAFFIC CONTROL SUMMARY

Location	Structure	Direction	Stage	70100450 TC&P Std. 701201 L Sum	70100207 TC&P Std. 701402 Each	no pay item TC&P Std. 701400 not measured for payment included with 701402	70100420 TC&P Std. 701411 Each	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 Strip Each
# 1	057-0113	EB	I	-	1.0	on I-74 EB	-	325	-	1.0	-	7 day advance notice	8.0
		EB	II	-	1.0		-	-	325	-	1.0		
	057-0113	WB	I	-	1.0	on I-74 WB	-	325	-	1.0	-	7 day advance notice	4.0
		WB	II	-	1.0		-	-	325	-	1.0		
# 2	057-0102	EB	I	-	1.0	on I-74 EB	1.0	325	-	1.0	-	0 - covered by 057-0113	4.0
		EB	II	-	1.0		-	-	325	-	1.0		
	057-0102	WB	I	-	1.0	on I-74 WB	1.0	325	-	1.0	-	0 - covered by 057-0113	4.0
		WB	II	-	1.0		-	-	325	-	1.0		
# 3	057-0112	EB	I	-	1.0	on I-74 EB	1.0	325	-	1.0	-	0 - covered by 057-0113	4.0
		EB	II	-	1.0		-	-	325	-	1.0		
	057-0112	WB	I	-	1.0	on I-74 WB	-	325	-	1.0	-	0 - covered by 057-0113	4.0
		WB	II	-	1.0		-	-	325	-	1.0		
# 4	057-0114	EB	I	-	1.0	on I-74 EB	-	325	-	1.0	-	0 - covered by 057-0113	4.0
		EB	II	-	1.0		-	-	325	-	1.0		
	057-0114	WB	I	-	1.0	on I-74 WB	-	325	-	1.0	-	0 - covered by 057-0113	4.0
		WB	II	-	1.0		-	-	325	-	1.0		
# 5	057-0115	EB	I	-	1.0	on I-74 EB	-	325	-	1.0	-	0 - covered by 057-0105	4.0
		EB	II	-	1.0		-	-	325	-	1.0		
	057-0115	WB	I	-	1.0	on I-74 WB	-	325	-	1.0	-	0 - covered by 057-0105	4.0
		WB	II	-	1.0		-	-	325	-	1.0		
# 6	057-0105	EB	I	-	1.0	on I-74 EB	-	325	-	1.0	-	7 day advance notice	4.0
		EB	II	-	1.0		-	-	325	-	1.0		
	057-0105	WB	I	-	1.0	**will need 3 sets of 3 mile RCA & CMS on I-55 NB & I-55 SB & I-39 SB**	-	325	-	1.0	-	7 day advance notice on I-55 NB before merger & 7 day advance notice on I-55 SB before merger 7 day advance notice on I-39 SB before merger	4.0
		WB	II	-	1.0		-	-	325	-	1.0		
# 7	057-0205	SB	-	0.50	-	-	-	-	-	-	-	7 day advance notice	-
# 8	057-0206	NB	-	0.50	-	-	-	-	-	-	-	7 day advance notice	-
# 9	057-0045	WB	-	-	1.0	**will need 3 sets of 3 mile RCA & CMS on I-55 NB & I-55 SB & I-39 SB**	No 701411 - closure of passing lane anticipated	500	-	1.0	-	0 - covered by 057-0105	4.0
								-	-	-	-		
# 10	057-0046	EB	-	-	1.0	on I-74 EB		500	-	1.0	-	0 - covered by 057-0105	4.0
								-	-	-	-		
			TOTALS	1.0	26.0		3.0	4900	3900	14.0	12.0	56.0	60.0

"3 mile RCA & CMS" - refers to the first 2 devices on Traffic Contol & Protection Standard 701400 - Road Construction Ahead / Changeable Message Sign

MODEL: $MODEL NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-sht-TCS.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/29/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SUMMARY

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	8
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS FED. AID PROJECT		

LOCATION #1

DESCRIPTION: T.R. 76 over I-74 @ m.p.118.9 WEST OF CARLOCK
COUNTY: MCLEAN
ROUTE: F.A.I. 74
MARKED ROUTE: I-74
SECTION: 57-17HB-2
STRUCTURE NO.: 057-0113
TYPE OF STRUCTURE: 4 SPAN CONTINUOUS STEEL
5 BEAM LINES - BK-BK ABUTS = 286.75'

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.

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE

LOCATION #2

DESCRIPTION: CH 19 (CARLOCK RD.) over I-74 @ m.p.120.0
COUNTY: MCLEAN
ROUTE: F.A.I. 74
MARKED ROUTE: I-74
SECTION: 57-17HB-3
STRUCTURE NO.: 057-0102
TYPE OF STRUCTURE: 4 SPAN CONTINUOUS STEEL
6 BEAM LINES - BK-BK ABUTS = 295.29'

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 AT ABUTMENTS

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE

LOCATION #3

DESCRIPTION: T.R. 90 over I-74 @ mp 120.5
COUNTY: MCLEAN
ROUTE: F.A.I. 74
MARKED ROUTE: I-74
SECTION: 57-18HB
STRUCTURE NO.: 057-0112
TYPE OF STRUCTURE: 4 SPAN CONTINUOUS STEEL
5 BEAM LINES - BK-BK ABUTS = 304.42'

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 BR GREY, MUNSELL NO. 5B 7/1.

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 #4

DESCRIPTION: T.R. 104 over I-74 @ mp 121.6
COUNTY: MCLEAN
ROUTE: F.A.I. 74
MARKED ROUTE: I-74
SECTION: 57-18HB-1
STRUCTURE NO.: 057-0114
TYPE OF STRUCTURE: 4 SPAN CONTINUOUS STEEL
5 BEAM LINES - BK-BK ABUTS = 306.0'

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 NONE (0) 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 #5

DESCRIPTION: T.R. 210 over I-74 @ mp 123.8
COUNTY: MCLEAN
ROUTE: F.A.I. 74
MARKED ROUTE: I-74
SECTION: 57-18HB-2
STRUCTURE NO.: 057-0115
TYPE OF STRUCTURE: 4 SPAN CONTINUOUS STEEL
5 BEAM LINES - BK-BK ABUTS = 275.81'

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.

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE

LOCATION #6

DESCRIPTION: F.A.S. 1473 over I-74 @ mp 126.3
COUNTY: MCLEAN
ROUTE: F.A.I. 74
MARKED ROUTE: I-74
SECTION: 57-19HB
STRUCTURE NO.: 057-0105
TYPE OF STRUCTURE: CONTINUOUS STEEL
5 BEAM LINES - BK-BK ABUTS = 226.43'

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 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

NOTE: EXISTING PROTECTIVE SHIELDING WILL BE REMOVED BY STATE FORCES PRIOR TO PAINTING AND WILL NOT INTERFERE WITH PAINTING OPERATIONS.

LOCATION #7

DESCRIPTION: I-39 SB over FAS 472 / CH 12 @ mp 4.7
COUNTY: MCLEAN
ROUTE: F.A.I. 39
MARKED ROUTE: I-39
SECTION: 57-3HB-1
STRUCTURE NO.: 057-0205 SB
TYPE OF STRUCTURE: 1 SPAN STEEL PLATE GIRDER
6 BEAM LINES - BK-BK ABUTS = 120.9'

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 INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE GRAY, MUNSELL NO. 5B 7/1.

THE STRUCTURE HAS AN EXISTING ZINC SILICATE AND VINYL PAINT SYSTEM. CONTAINMENT OF CLEANING RESIDUE IS REQUIRED TO CONTROL NUISANCE DUST. THE CONTRACTOR SHALL FOLLOW THE SPECIFICATIONS FOR CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES.

NOTE: ELASTOMERIC BEARINGS AT SOUTH ABUTMENT

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE

LOCATION #8

DESCRIPTION: I-39 NB over FAS 472 / CH 12 @ mp 4.7
COUNTY: MCLEAN
ROUTE: F.A.I. 39
MARKED ROUTE: I-39
SECTION: 57-3HB-1
STRUCTURE NO.: 057-0206 NB
TYPE OF STRUCTURE: 1 SPAN STEEL PLATE GIRDER
6 BEAM LINES - BK-BK ABUTS = 120.8'

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 INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE GRAY, MUNSELL NO. 5B 7/1.

THE STRUCTURE HAS AN EXISTING ZINC SILICATE AND VINYL PAINT SYSTEM. CONTAINMENT OF CLEANING RESIDUE IS REQUIRED TO CONTROL NUISANCE DUST. THE CONTRACTOR SHALL FOLLOW THE SPECIFICATIONS FOR CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES.

NOTE: ELASTOMERIC BEARINGS AT SOUTH ABUTMENT

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE

LOCATION #9

DESCRIPTION: I-74 WB @ mp 124.6 over NORFOLK SOUTHERN R.R.
COUNTY: MCLEAN
ROUTE: FAI 74
MARKED ROUTE: I-74
SECTION: 57 18VB
STRUCTURE NO.: 057-0045 WB
TYPE OF STRUCTURE: 3 SPAN CONTINUOUS STEEL
7 BEAM LINES - BK-BK ABUTS = 232.94'

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 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

TRAFFIC CONTROL AND PROTECTION
IT IS ANTICIPATED THAT THE CONTRACTOR WILL CLEAN AND PAINT LOCATIONS #9 & #10 FROM THE MEDIAN. UTILIZING TRAFFIC CONTROL AND PROTECTION STANDARD 701402 IS AN OPTION IF WORKING FROM THE MEDIAN IS NOT POSSIBLE. (SEE SPECIAL PROVISIONS)

LOCATION #10

DESCRIPTION: I-74 EB @ mp 124.6 over NORFOLK SOUTHERN R.R.
COUNTY: MCLEAN
ROUTE: FAI 74
MARKED ROUTE: I-74
SECTION: 57-18VB
STRUCTURE NO.: 057-0046 EB
TYPE OF STRUCTURE: 3 SPAN CONTINUOUS STEEL
7 BEAM LINES - BK-BK ABUTS = 232.94'

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 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

TRAFFIC CONTROL AND PROTECTION
IT IS ANTICIPATED THAT THE CONTRACTOR WILL CLEAN AND PAINT LOCATIONS #9 & #10 FROM THE MEDIAN. UTILIZING TRAFFIC CONTROL AND PROTECTION STANDARD 701402 IS AN OPTION IF WORKING FROM THE MEDIAN IS NOT POSSIBLE. (SEE SPECIAL PROVISIONS)

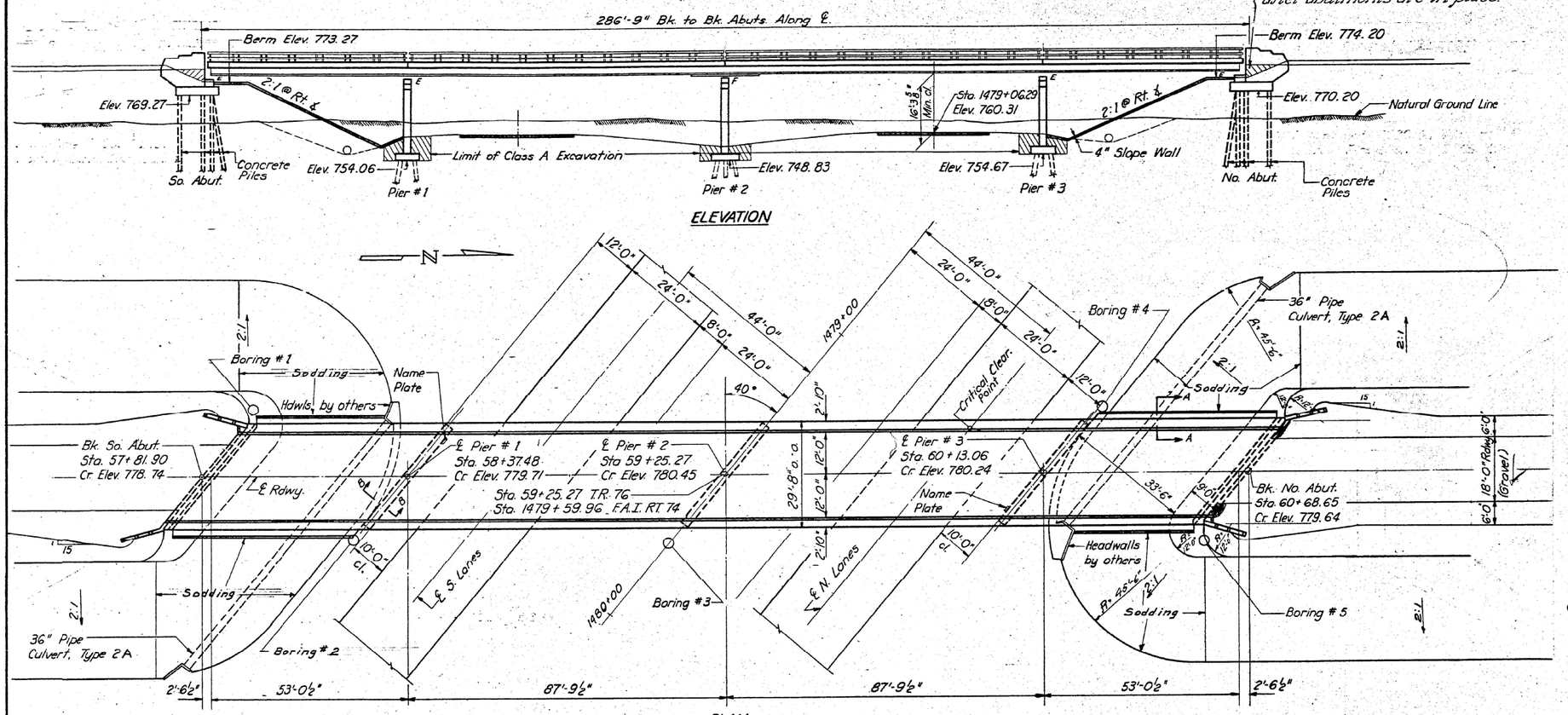
B.M. U.S.C. & G.S. Benchmark M-199
Lt Sta. 54+05 (TR 172) Elev. 767.40

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
A.B.L. F.A.I. 74	57-17HB-2	McLEAN	27	6
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-I-74-4(91)118		

SHEET NO. 1
12 SHEETS

This portion of embankment backfill by bridge contractor after abutments are in place



ELEVATION

PLAN

GENERAL NOTES

Class X Concrete shall be used throughout. Coarse aggregate which is to be used in end posts, must be free of chert, flint, limonite, and soft sandstone.

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

The slope wall shall be reinforced with welded wire fabric 6"x 6" mesh, # 4 wires, weighing 58 #/100 sq. ft.

Paved ditch included in quantity of slope wall.

Rivets ¾"ϕ, open holes 13/16"ϕ, unless noted.

All structural steel shall conform to A.S.T.M. Designation A-36.

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 quantity of Structural Steel. Est Weight-7660#

Anchor bolts shall be set before riveting diaphragms over supports.

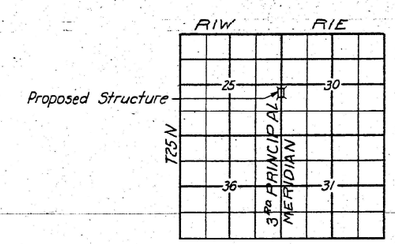
Except as otherwise provided, all Structural Steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Articles 56.1 to 56.5 inclusive of the Standard Specifications.

All paint shall be furnished and applied by the Contractor.

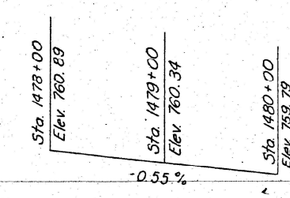
The piles in each abutment shall be driven in holes precored through the embankment to the natural ground line, in accordance with Article 60.9 (c) of the Standard Specifications.

The Contractor shall drive one Conc. test pile @ the North Abut. in a permanent location before ordering or casting the remaining piles.

The Contractor shall drive one timber test pile near, or in the vicinity of, Pier # 2, (Outside the footing area) before ordering the remaining Piles.



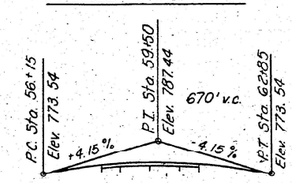
LOCATION PLAN



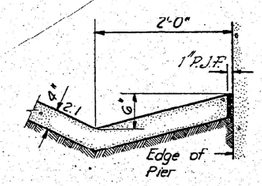
PROFILE F.A.I. RT. 74

STATION 1479+59.96
BUILT 196 BY
STATE OF ILLINOIS
F.A.I. RT. 74 SEC. 57-17HB-2
F.A. PROJECT I-74-4(91)
LOADING H15 -S12

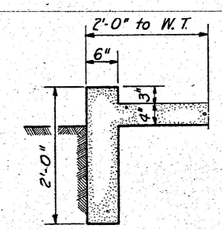
NAME PLATE LETTERING
See Standard 2113



VERTICAL CURVE ON TR 76



SECTION B-B



SECTION A-A

TOTAL BILL OF MATERIAL - SEC. 57-17HB-2

Item	Unit	Super	Sub	Total
* Class A Excavation for Strs.	Cu. Yds.			170
Class X Concrete	Cu. Yds.	243.7	240.6	484.3
Structural Steel	Lbs.	270,290		270,290
Metal Handrail	Lin. Ft.			568
Pipe Culvert, Type 2A-36"	Lin. Ft.			172
Reinforcement Bars	Lbs.	50,650	22,160	72,810
Creosoted Piles 20.1'-38'	Lin. Ft.			1710
Test Pile Timber	Each			1
Concrete Piles	Lin. Ft.			595
Test Pile Concrete	Each			1
Name Plates	Each		2	2
Slope Wall (4")	Sq. Yds.			446
Protective Coat	Sq. Yds.			1,000

* Includes excavation for Slope Wall

DESIGNED	J. F. Pitts	
CHECKED	W. Ihing	
DRAWN	J. Putnam	
CHECKED	W. Ihing	

JUNE 15 1961

EXAMINED H. E. Bergmann — ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED [illegible] — ENGINEER OF DESIGN
APPROVED R. R. Bartelsmeyer — CHIEF HIGHWAY ENGINEER

DESIGN STRESSES

fc = 1400 p.s.i. Super and Sub.
vc = 75 p.s.i. Footings
fs = 20,000 p.s.i. Reinf.
fs = 18,000 p.s.i. Struct.
n = 10

LOADING H15 - S12 - 44

GENERAL PLAN AND ELEVATION
PROJECT I-74-4 (91) 118
TR 76 OVER F.A.I. RT. 74
F.A.I. RT. 74 SEC. 57-17HB-2
McLEAN COUNTY
STA. 1479 + 59.96

Rev. 2-19-62 - W.L.P. Rev. Embankment to 20'-0" Back - Relocated the Boring on the Plan View. Put "Sodding" on Plan View. Removed Embankment & Borrow Exc. Quans. from Sta. Rev. the Location Plan & Bill of Mat. Change Pipe Culvert from 12A' to 172' — Changed Reinf. Bars from 45,860# to 50,040# & from 68,020# to 72,200#. Added Rail to Plan View. — Revised 12-17-63 by J. Mullenix - Added "A-36" note to Gen. Notes. - Added Protect. Coat & Sealant to quantities. - Removed Sec. 57-17HF-2 (Furn. Struct. steel.) from quantities. - Removed (F.) from Sec. 57-17H(B,F)-2 - Removed word "involved" from Gen. Notes & "Erecting" from Total Bill of Mat. -

MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D570E74\CADData\CADsheets\D570E74-sht-AsBuilt.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/29/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #1 S.N. 057-0113

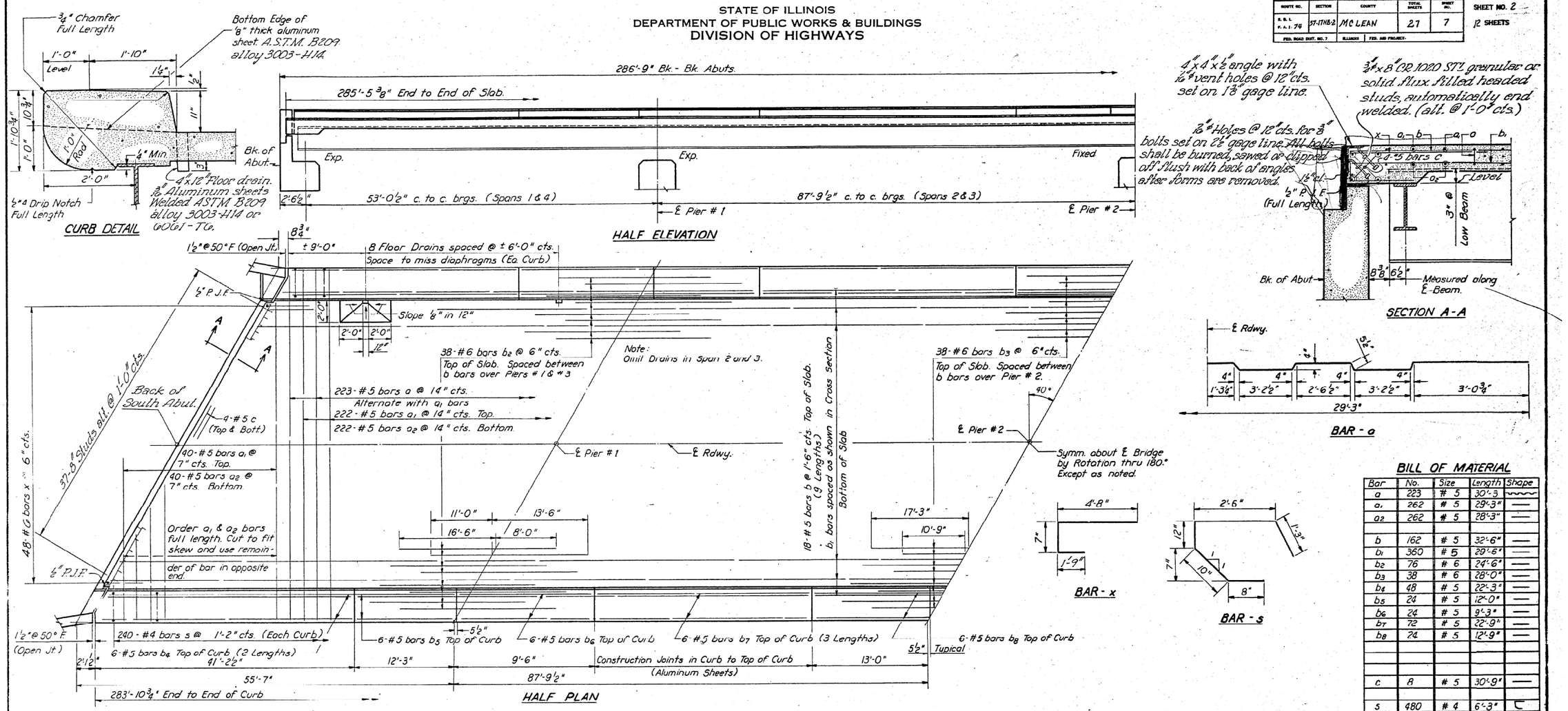
SCALE: NONE | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	14
†D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

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. 74	57-17HB-2	McLEAN	27	7
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 2
12 SHEETS



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	223	# 5	30'-3	
a1	262	# 5	29'-3"	
a2	262	# 5	28'-3"	
b	162	# 5	32'-6"	
b1	360	# 5	29'-6"	
b2	76	# 6	24'-6"	
b3	38	# 6	28'-0"	
b4	48	# 5	22'-3"	
b5	24	# 5	12'-0"	
b6	24	# 5	9'-3"	
b7	72	# 5	22'-9"	
b8	24	# 5	12'-9"	
c	8	# 5	30'-9"	
s	480	# 4	6'-3"	
x	96	# 6	7'-0"	
Class X Concrete			Cu. Yds.	243.7
Reinforcement Bars			Lbs.	50,650
Structural Steel			Lbs.	270,290

Note:
Cost of Aluminum Sheets and Floor Drains to be incidental.

SUPERSTRUCTURE
F.A.I. RT. 74 SEC. 57-17HB-2
McLEAN COUNTY
STA. 1479+59.96

Rev. 2-19-62 W.L.P. Changed b1 Bar from #4 @ 9" cts to #5 @ 10" cts. Changed x Bar from #5 @ 12" cts to #5 @ 6" cts. Guss. Change B1 from #6 to #5 - X from 67 to 96 & Reinf. Bars from 48,860# to 50,040#
Revised 12-18-63 by J. Mullenix - Increased Struct. Steel quantities from 269,230 to 270,290 lbs. Reinf. bars from 50,040 to 50,650 lbs. - Bar x dimen. from 1'-8" to 4'-8" - Added 4"x4"x1/2" L to Sec. A-A with Studs & notes - Changed 'x' bars from #5 to #6 - Changed floor drains from 6" to 12" - Changed "Curb Detail" notes to conform to Standard - Changed 4" conc. to 3" ea. side bm. in "Fillet" drwg. - Removed "F" from Sec. 57-17H(B,F)-2 -

MODEL: $MODEL$NAME$
FILE NAME: pw:\\illinois-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-ct-4sBuilt.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #1 S.N. 057-0113

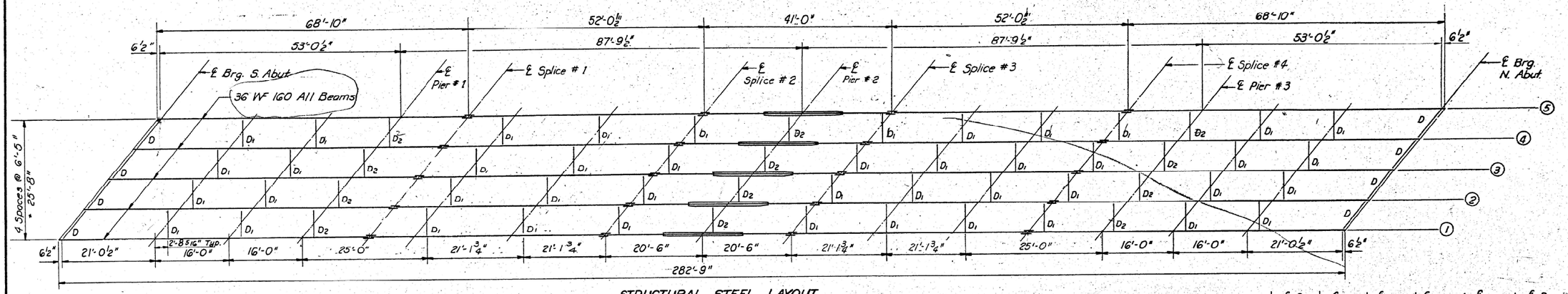
SCALE: NONE | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	15
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

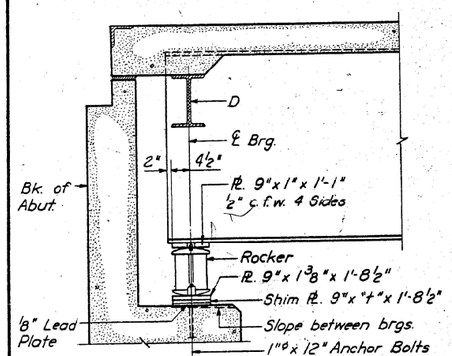
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 74	57-17HB-2	McLEAN	27	8
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

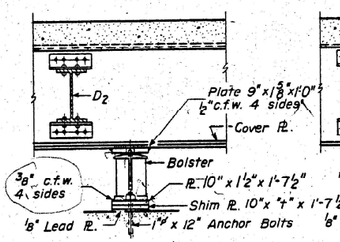
SHEET NO. 3
12 SHEETS



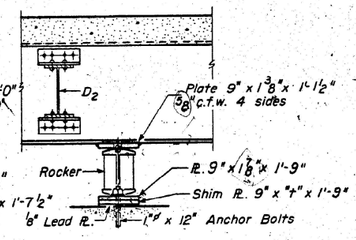
STRUCTURAL STEEL LAYOUT



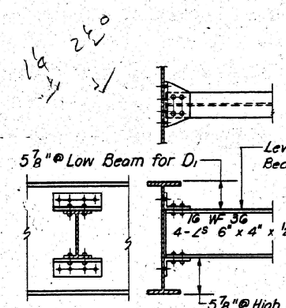
SECTION AT ABUTMENT



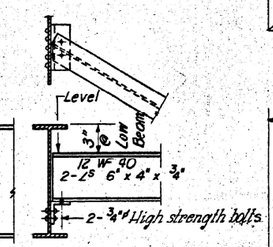
PIER #2



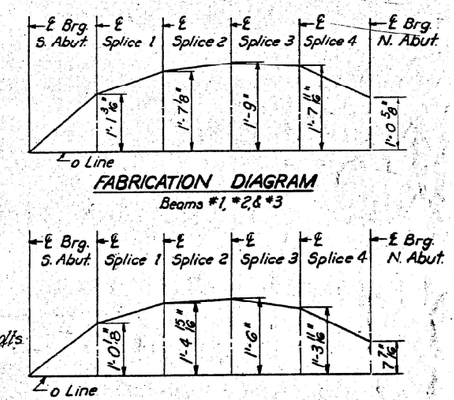
PIERS #1 & #3



DIAPHRAGM D_1 & D_2
44 Required - D_1
12 Required - D_2

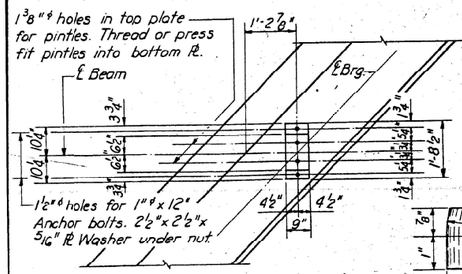


DIAPHRAGM D
8 Required-D



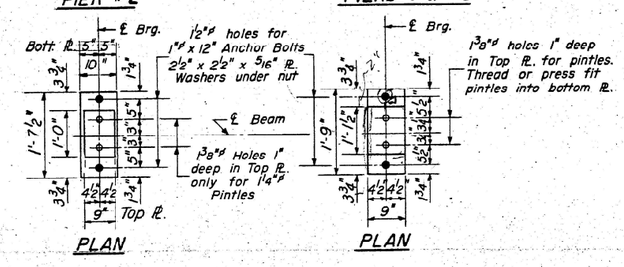
FABRICATION DIAGRAM
Beams #1, #2, & #3

FABRICATION DIAGRAM
Beams #4 & #5



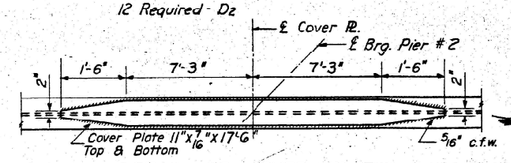
PLAN

DETAIL OF PINTLE



PLAN

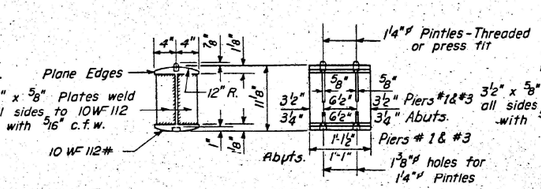
PLAN



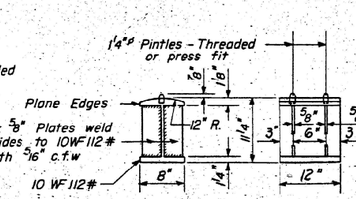
DETAIL OF COVER PLATES

ELEVATION TOP OF BEAMS

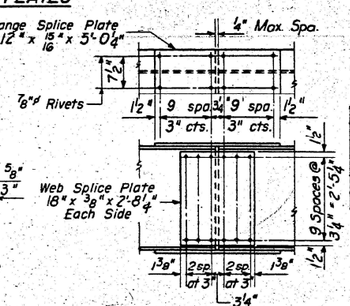
	℄ Brg. So. Abut.	Pier #1	Splice 1	Splice 2	Pier #2	Splice 3	Splice 4	Pier #3	℄ Brg. No. Abut.
Beam # 1	777.91	778.77	779.01	779.50	779.58	779.66	779.55	779.42	778.96
Beam #2	778.10	778.96	779.20	779.69	779.77	779.85	779.74	779.61	779.15
Beam #3	778.00	778.94	779.18	779.67	779.75	779.83	779.72	779.59	779.13
Beam #4	778.32	779.10	779.33	779.73	779.77	779.82	779.63	779.48	778.94
Beam # 5	778.22	779.00	779.23	779.63	779.67	779.72	779.53	779.38	778.84



DETAIL OF BEARING AT PIERS # 1 & #3 (10 Required) & ABUTMENTS (10 Required)



DETAIL OF BEARING AT PIER #2
(5 Required)



DETAIL OF SPLICE

TABLE OF "t" DIMENSIONS

	So. Abut.	Pier #1	Pier #2	Pier #3	No. Abut.
Beam # 1	0	0	0	½"	7/16"
Beam #2	¼"	¼"	¼"	¼	¼"
Beam #3	0	0	0	0	0
Beam #4	0	0	¼"	¼"	3/16"
Beam #5	0	0	⅛"	0	0

STRUCTURAL STEEL
F.A.I. RT. 74 SEC. 57-17HB-2
McLEAN COUNTY
STA. 1479 + 59.96

DESIGNED	J. F. Otto	
CHECKED		
DRAWN	W. A. Sousaman	Jp
CHECKED	W. Henry	

JUNE 15 1961
EXAMINED — W. E. Baumann, ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED — C. Theis, ENGINEER OF DESIGN
APPROVED — R. R. Bartelsmeyer, CHIEF HIGHWAY ENGINEER

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

Revised 12-18-03 by J.Mullenix - Changed Diaphragm D note to "high strength bolts." - Changed Sec. 57-17H(D,F)-2 title -

USER NAME = eaglinga	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/29/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #1 S.N. 057-0113

SCALE: NONE | SHEET 3 OF 3 SHEETS | STA. | TO STA.

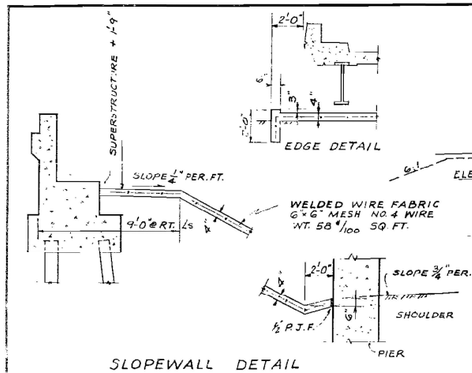
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	16
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

MODEL: $MODEL NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-sht-AsBuilts.dgn

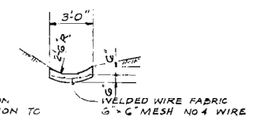
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
FAI RT 74	57-17 HB-3	MC LEAN	50	10
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT I-74-4(86)119		

SH. NO. 1 OF 9



SLOPEWALL DETAIL
AND GUTTER SECTION AT PIER



USE 10' TRANSITION FROM ONE SECTION TO THE OTHER

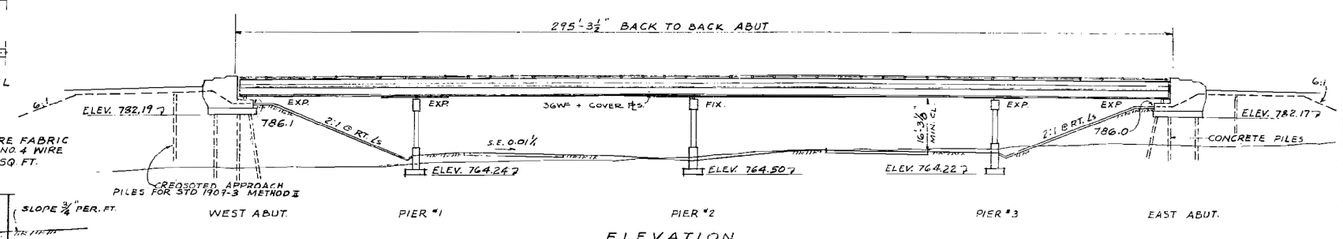
DETAIL OF PAVED DITCH
SECTION AWAY FROM PIER

F.A.I. RT. 74 CURVE DATA

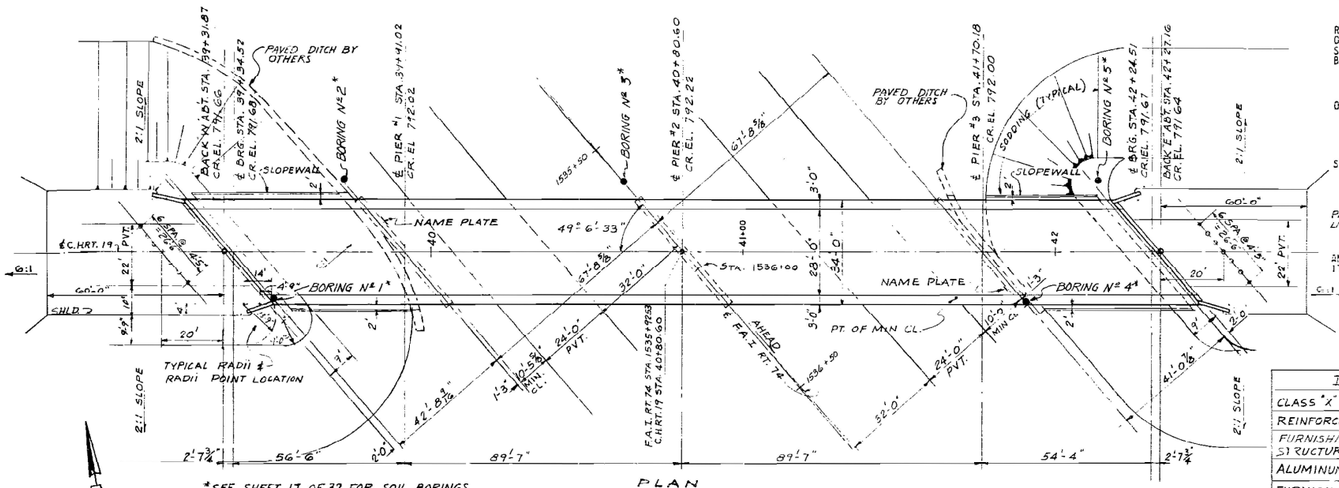
P.I. STA. 1535 + 70.36
Δ: 11° 27' 16"
D: 1° 0'
R: 5729.58'
T: 574.64
L: 1145.45
E: 28.74
P.C. STA. 1529 + 95.72
P.T. STA. 1541 + 41.17
S.E. = 0.01%

BRIDGE APPROACH
SLAB PILE DATA.

TYPE	CREOSOTED	
	W.ABUT.	E.ABUT.
EST. LENGTH	22'	15'
NO. REQ'D	7	7

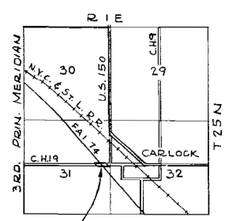


ELEVATION
SCALE: 1" = 20'

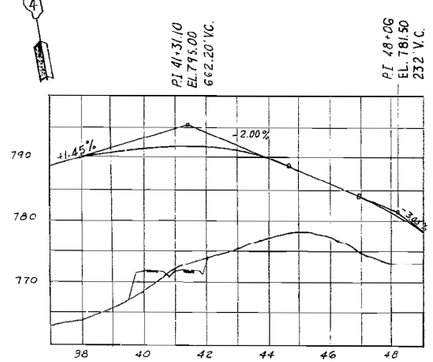


*SEE SHEET 17 OF 32 FOR SOIL BORINGS

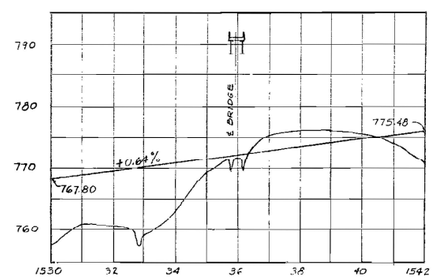
PLAN
SCALE: 1" = 20'



LOCATION SKETCH



PROFILE ALONG C.H. RT. 19 (LOOKING NORTH)
SCALE: HORIZONTAL 1" = 200' VERTICAL 1" = 10'



PROFILE ALONG F.A.I. RT. 74 (LOOKING EAST)
SCALE: HORIZ. 1" = 200' VERT. 1" = 10'

GENERAL NOTES

CLASS "X" CONCRETE SHALL BE USED THROUGHOUT UNLESS OTHERWISE NOTED.

THE CONCRETE FLOOR SLAB SHALL BE FINISHED IN ACCORDANCE WITH ARTICLE 51.19 OF THE STANDARD SPECIFICATIONS AND SHALL BE POURED IN ONE CONTINUOUS OPERATION BETWEEN THE LIMITS OF THE CONSTRUCTION JOINTS SHOWN.

ALL CURBS AND SLABS OUTSIDE OF LONGITUDINAL BONDED CONSTRUCTION JOINTS SHALL BE POURED MONOLITHICALLY.

ALL ROCKERS, BOLSTERS, BEARING PLATE, 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 QUANTITIES OF STRUCTURAL STEEL. ESTIMATED WEIGHT - 5,940 LBS.

ANCHOR BOLTS SHALL BE SET BEFORE RIVETING DIAPHRAGMS OVER SUPPORTS.

ROADWAY EXPANSION GUARDS SHALL BE ASSEMBLED IN THE SHOP IN THE PROPER POSITION WITH THE ADJACENT ENDS IN PLACE AND SHALL BE LEFT ASSEMBLED FOR SHOP INSPECTION.

EXPANSION JOINTS
ARE INCLUDED IN QUANTITIES OF STRUCTURAL STEEL.

EXCEPT AS OTHERWISE NOTED, 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 OF THE STANDARD SPECIFICATIONS. ALL PAINT SHALL BE FURNISHED AND APPLIED BY THE CONTRACTOR.

THE CONTRACTOR SHALL DRIVE ONE CONCRETE TEST PILE IN EAST ABUTMENT AS DIRECTED BY THE ENGINEER BEFORE CASTING THE REMAINDER OF THE PILES.

UNLESS OTHERWISE SHOWN ON THE PLANS, REINFORCEMENT BARS SHALL BE LAPPED 20 BAR DIAMETERS.

THE PILES IN EACH ABUTMENT SHALL BE DRIVEN IN HOLES PRECURED THROUGH THE EMBANKMENT TO THE NATURAL GROUND LINE, IN ACCORDANCE WITH ARTICLE 60.9.(c) OF THE STANDARD SPECIFICATIONS.

COARSE AGGREGATE WHICH IS TO BE USED IN PARAPET HANDRAILS AND END POSTS SHALL BE ABSOLUTELY FREE OF CHERT, FLINT, LIMONITE, LIGNITE, AND SOFT SAND STONE.

THE EXPOSED SURFACES OF THE EXPANSION GUARD SHALL BE GIVEN TWO SHOP COATS OF RED LEAD PAINT. ALL OTHER SURFACES SHALL BE GIVEN ONE COAT OF RED LEAD PAINT. ANCHOR STUDS SHALL NOT BE PAINTED.

TOTAL BILL OF MATERIAL (SEC. 57-17 HB-3)

ITEM		SUPERSTR.	SUBSTR.	TOTAL
CLASS "X" CONCRETE	CU. YDS.	310.4	312.7	623.1
REINFORCEMENT BARS	LBS.	66900	32,110	99010
FURNISHING & ERECTING STRUCTURAL STEEL	LBS.	354,400	—	354,400
ALUMINUM HANDRAIL	LIN. FT.	585	—	585
FURNISHING CONCRETE PILES	LIN. FT.	—	1305	1305
DRIVING CONCRETE PILES	LIN. FT.	—	1305	1305
FURNISHING CREOSOTED PILES (20'-38')	LIN. FT.	—	—	259
DRIVING TIMBER PILES	LIN. FT.	—	—	259
TEST PILES (CONCRETE)	EA.		1	1
Bridge Seat Sealant	L.S.			L.S.
SLOPE WALLS, 4 INCH	SQ. YDS.	—	—	431
CLASS "A" EXCAVATION FOR STRUCT.	CU. YDS.	—	360	360
NAME PLATE	EA.	—	2	2
SODDING	SQ. YDS.			589

*Applied at E. & W. Abutment seats

STA 1535 + 92.53
BUILT 19G BY
STATE OF ILLINOIS
F.A.I. RT. 74 SEC. 57-17HB-3
F.A. PROJ. I-74-4(86)
LOADING H20-S16

LETTERING FOR NAME PLATE
SEE STD. 2113

DESIGN STRESSES
f_c = 1400 #/SQ.IN. (SUPER. & SUB. NO. EARTH PRE.)
f_c = 1000 #/SQ.IN. (SUB. WITH EARTH PRE.)
n = 10
f_s = 20,000 #/SQ.IN. REINF
f_s = 20,000 #/SQ.IN. STRUCT. (A-36)
LOADING H20-S16-44
MAX. FOOTING PRESSURE = 4000 P.S.F.

Patrick H. McKinney
#2492

GENERAL PLAN & ELEVATION

F.A.I. ROUTE 74 SECTION 57-17HB-3
F.A. PROJECT I-74-4(86)119
C.H. ROUTE 19 OVER F.A.I. ROUTE 74
STATION 1535 + 92.53
MC LEAN COUNTY

WARREN AND VAN PRAAG, INC.
CONSULTING ENGINEERS - DECATUR, ILLINOIS

DESIGNED	R.H.M.
CHECKED	H.V.F.
DRAWN	H.V.F.
CHECKED	R.H.M.

EXAMINED — ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES
PASSED — ENGINEER OF DESIGN
APPROVED — CHIEF HIGHWAY ENGINEER

Embankments Revised: S.E. 11-20-61

Rev. 12-6-63: Approach pile Total Length from 448 to 259, Approch pile data revised-Est. Length W.ABUT. 22' E.ABUT. 15, No. REQ'D 7 each, Reinforcements bars: Super from 66,700 to 66,900 Total from 98,910 to 99,010 Structrual Steel: Super from 368,470 to 354,400 Total Same as Super; as from [illegible]

MODEL: $MODEL NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-sht-AsBuilt.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/29/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #2 S.N. 057-0102

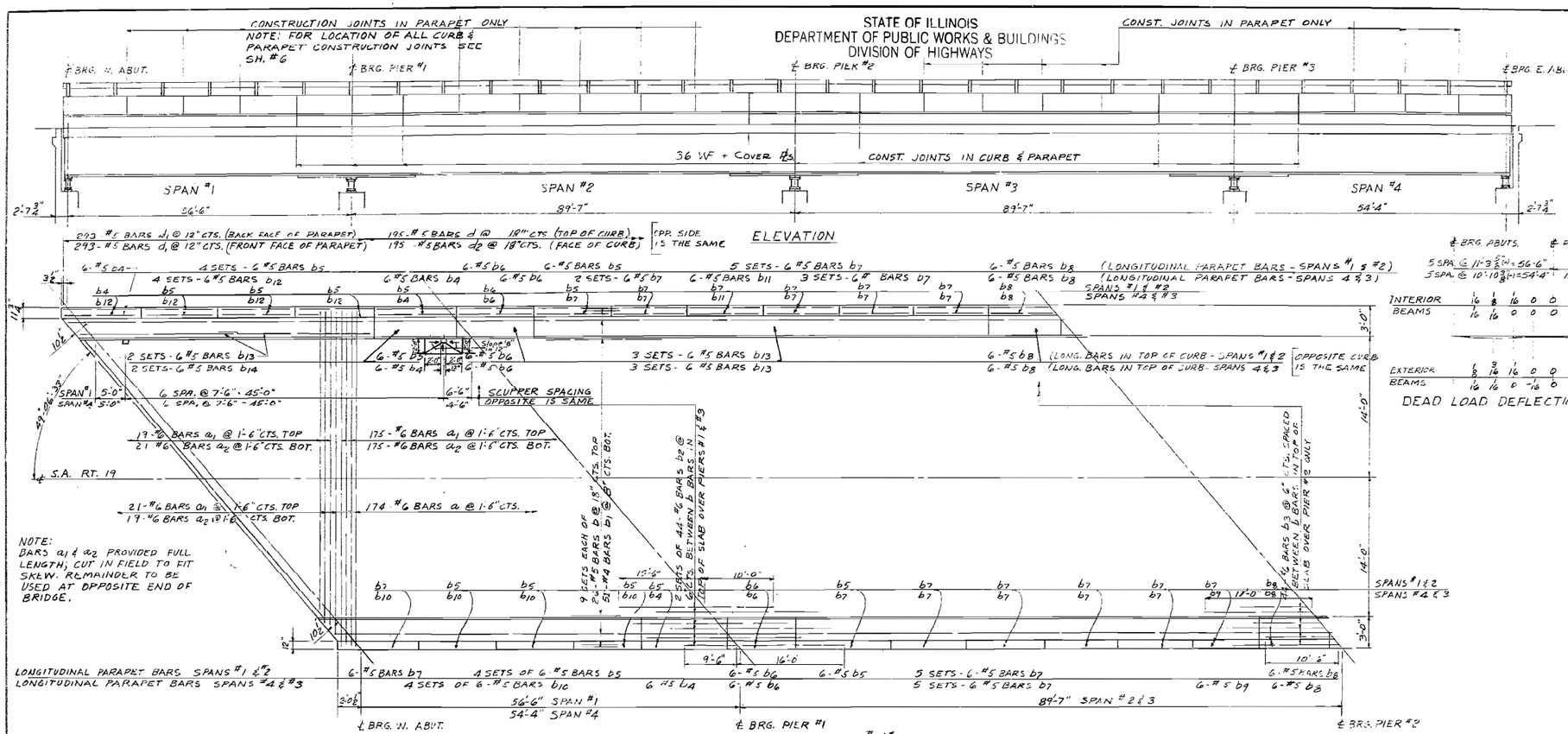
SCALE: NONE | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	17
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

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

ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
F.A.I. RT. 74	57-17 HB-3	McLEAN	33	13
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		

SH NO. 4 OF 7



HALF PLAN - SPANS #1 & #2
(SPANS #3 & #4 SIMILAR BY ROTATION)

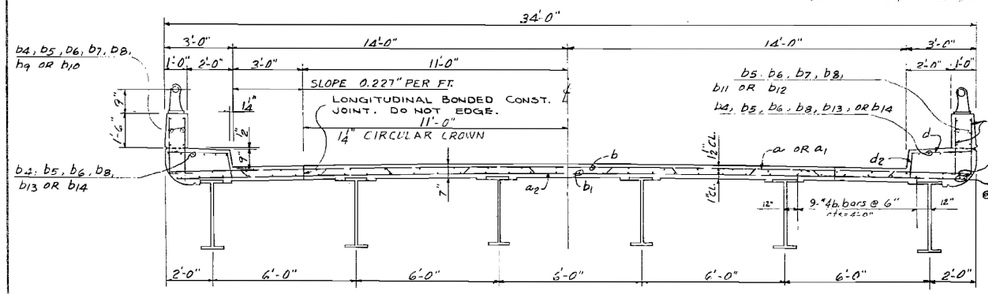
	℄ BRG. ABUTS.	℄ PIER #1 OR #3	℄ PIER #2
	5 SPA. @ 11'-3 5/8" (W) = 56'-6"	10 SPA. @ 8'-11 1/2" = 89'-7"	SPA. #1 & 2
	5 SPA. @ 10'-10 3/8" (W) = 54'-4"	10 SPA. @ 8'-11 1/2" = 89'-7"	SPAN #4 & 3
INTERIOR BEAMS	1/16 1/8 1/16 0 0 1/8 3/16 9/16 11/16 3/4 3/8 1/2 1/4 1/16		SPAN #1 & 2
	1/16 1/16 0 0 0 1/8 3/16 9/16 11/16 3/4 3/8 1/2 1/4 1/16		SPAN #4 & 3
EXTERIOR BEAMS	1/8 3/16 1/16 0 0 3/16 1/8 3/16 15/16 1 7/8 5/8 5/16 1/16		SPAN #1 & 2
	1/16 1/16 0 1/16 0 3/16 1/8 13/16 15/16 1 7/8 5/8 3/8 1/8		SPAN #4 & 3

DEAD LOAD DEFLECTION DIAGRAM

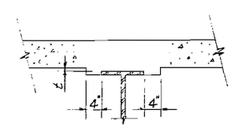
BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH	SHAPE
a	174	#6	35'-1"	
a1	215	#6	33'-6"	
a2	215	#6	33'-6"	
b	234	#5	33'-6"	
b1	152	#4	33'-6"	
b2	88	#6	25'-6"	
b3	44	#6	27'-6"	
b4	30	#5	11'-8"	
b5	72	#5	11'-2"	
b6	48	#5	9'-2"	
b7	126	#5	10'-10"	
b8	48	#5	12'-3"	
b9	6	#5	11'-6"	
b10	24	#5	16'-5"	
b11	6	#5	11'-5"	
b12	24	#5	10'-8"	
b13	96	#5	23'-6"	
b14	24	#5	22'-4"	
d	390	#5	2'-8"	
d1	1172	#5	2'-11"	
d2	390	#4	1'-1"	
CLASS "X" CONCRETE CU. YDS.			310.4	
REINFORCEMENT BARS LB.			66,900	
*STRUCTURAL STEEL LB.			354,400	

*WEIGHT OF ROCKERS, ROLLERS, BEARING PLS., LEAD PLS., & ANCHOR BOLTS INCLUDED AS STRUCTURAL STEEL. ESTIMATED WEIGHT 8,720 LBS.

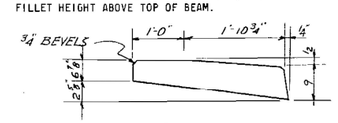


CROSS SECTION
LOOKING AHEAD

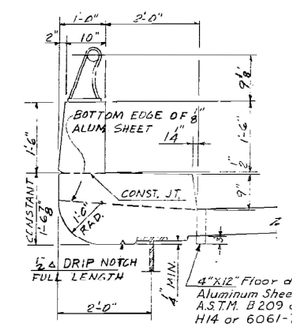


METHOD OF DETERMINING FILLET HEIGHT "L"

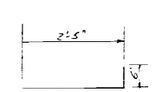
AFTER ALL STRUCTURAL STEEL HAS BEEN ERECTED ELEVATIONS OF THE TOP FLANGES OF THE BEAMS SHALL BE TAKEN AT INTERVALS NOT TO EXCEED 10'-0". FROM THESE ELEVATIONS SUBTRACT THE INCREMENT OF DEFLECTIONS FOR THESE POINTS, DETERMINED FROM THE DEAD LOAD DEFLECTION DIAGRAM. THE ELEVATION SO ATTAINED SUBTRACTED FROM THE THEORETICAL GRADE ELEVATIONS, MINUS FLOOR THICKNESS EQUALS THE FILLET HEIGHT ABOVE TOP OF BEAM.



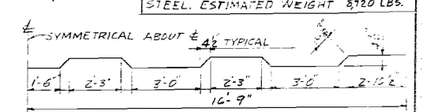
DETAIL OF 1/8" ALUMINUM SHEETS



CURB DETAILS
(PARAPET MOUNTED WITH ONE PIPE ALUMINUM RAIL)



Bar d1



BAR a ALL BAR DIMENSIONS ARE OUT TO OUT

DESIGNED	P. H. M.
CHECKED	H. Y. F.
DRAWN	H. J. K.
CHECKED	P. H. M.

EXAMINED — ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES
PASSED — ENGINEER OF DESIGN
APPROVED — CHIEF HIGHWAY ENGINEER

SUPERSTRUCTURE

F.A.I. ROUTE 74 SECTION 57-17HB-3

C.H. ROUTE 19 OVER F.A.I. ROUTE 74

STATION 1535 + 92.53

McLEAN COUNTY

WARREN AND VAN PRAAG, INC.
CONSULTING ENGINEERS · DECATUR, ILLINOIS

11/26/63 Revised Floor Drains To 4"X12" (District)

Rev. 12-6-63: NO of b1 bar from 468 to 459, reinforcement bars from 66,700 to 66,900, structrual steel from 368,670 to 354,400.

USER NAME = eaglinga	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/29/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #2 S.N. 057-0102

SCALE: NONE | SHEET 2 OF 3 SHEETS | STA. | TO STA.

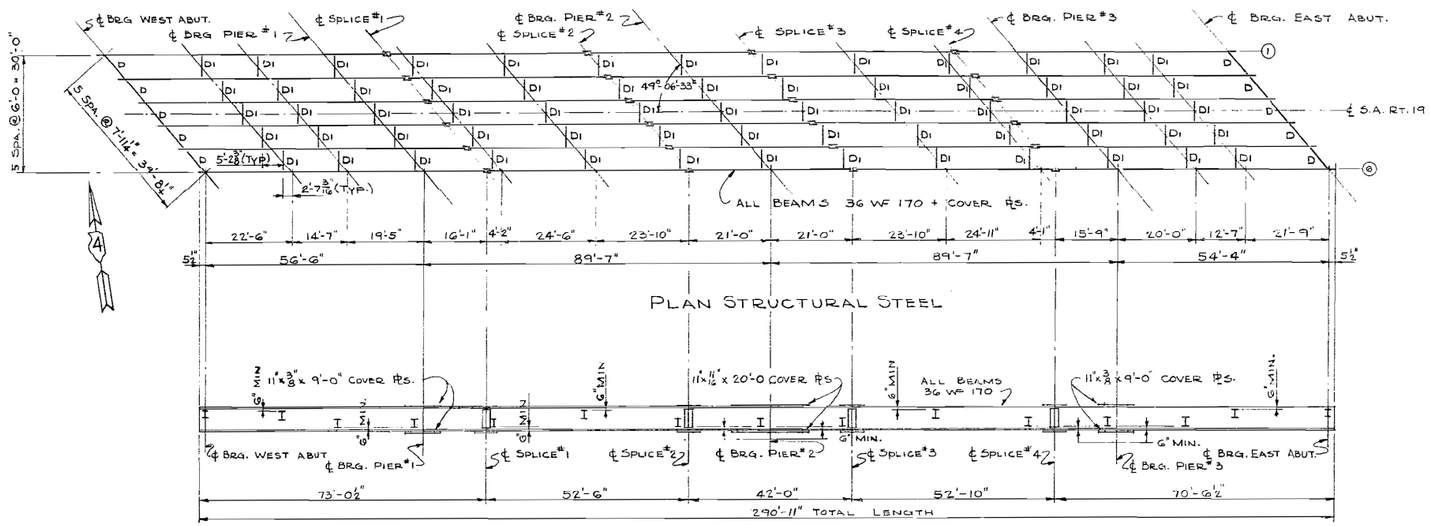
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	McLEAN	50	18
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

MODEL: SMODELNAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-sht-4-Built-c.dgn

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

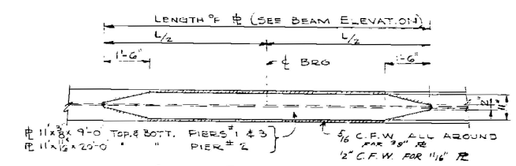
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.	57-17	MC LEAN	33	11
RT. 74	HB-3			
FED. ROAD DIST. No.	ILLINOIS			

SH. No. 5 OF 9

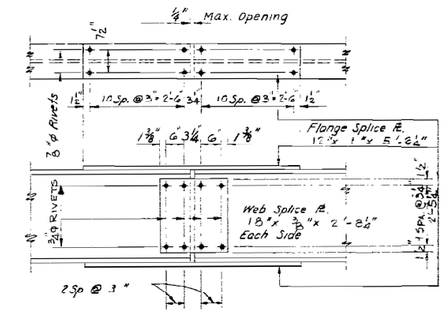


PLAN STRUCTURAL STEEL

BEAM ELEVATION

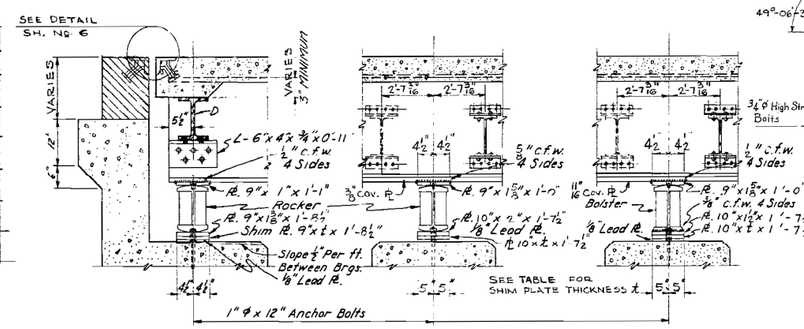


COVER PLATE DETAIL

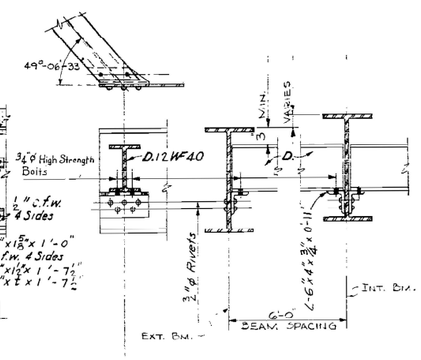


SPLICE DETAIL

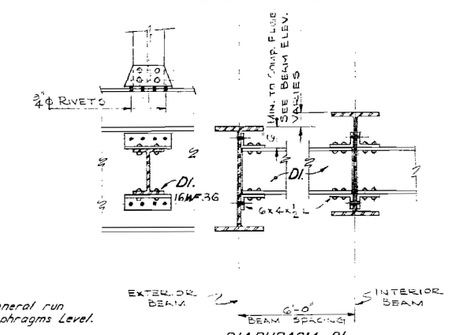
SHIM PLATE THICKNESS (t)						
BEAM NUMBER		W. ABUT.	PIER #1	PIER #2	PIER #3	E. ABUT.
	1	—	—	—	—	3/4"
	2	—	—	1 1/8"	7/8"	1 3/8"
	3	1 1/4"	1 1/16"	—	15/16"	1 11/16"
	4	1 11/16"	1 5/16"	—	1 1/16"	1 1/4"
	5	1 3/8"	7/8"	1 1/8"	—	—
	6	3/4"	—	—	—	—



SECTION: AT ABUTMENTS AT PIERS #1 & 3 AT PIER #2

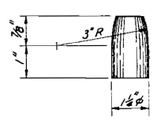


DIAPHRAGM D.

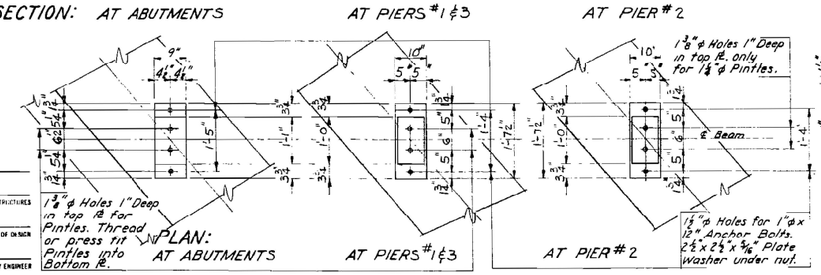


DIAPHRAGM DI.

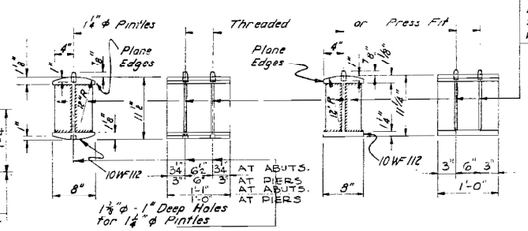
In General run all Diaphragms Level.



PINTLE DETAIL



PLAN: AT ABUTMENTS AT PIERS #1 & 3 AT PIER #2



ROCKER DETAIL AT ABUTMENTS & PIERS #1 & 3

BOLSTER DETAIL AT PIER #2

SUPERSTRUCTURE
STRUCTURAL STEEL

F.A.I. ROUTE 74 SECTION 57-17 HB-3

C.H. ROUTE 19 OVER F.A.I. ROUTE 74

STATION 1535+92.53

Mc LEAN COUNTY

DESIGNED	P. H. M.	EXAMINED	ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES
CHECKED	H. J. K.	PASSED	ENGINEER OF DESIGN
DRAWN	P. H. M.	APPROVED	CHIEF HIGHWAY ENGINEER
CHECKED	H. J. K.		

SBS-1

WARREN AND VAN PRAAG, INC.
CONSULTING ENGINEERS - DECATUR, ILLINOIS

MODEL: SMODELNAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADSheets\D570E74-ch-AsBuilt.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/29/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #2 S.N. 057-0102

SCALE: NONE | SHEET 3 OF 3 SHEETS | STA. TO STA.

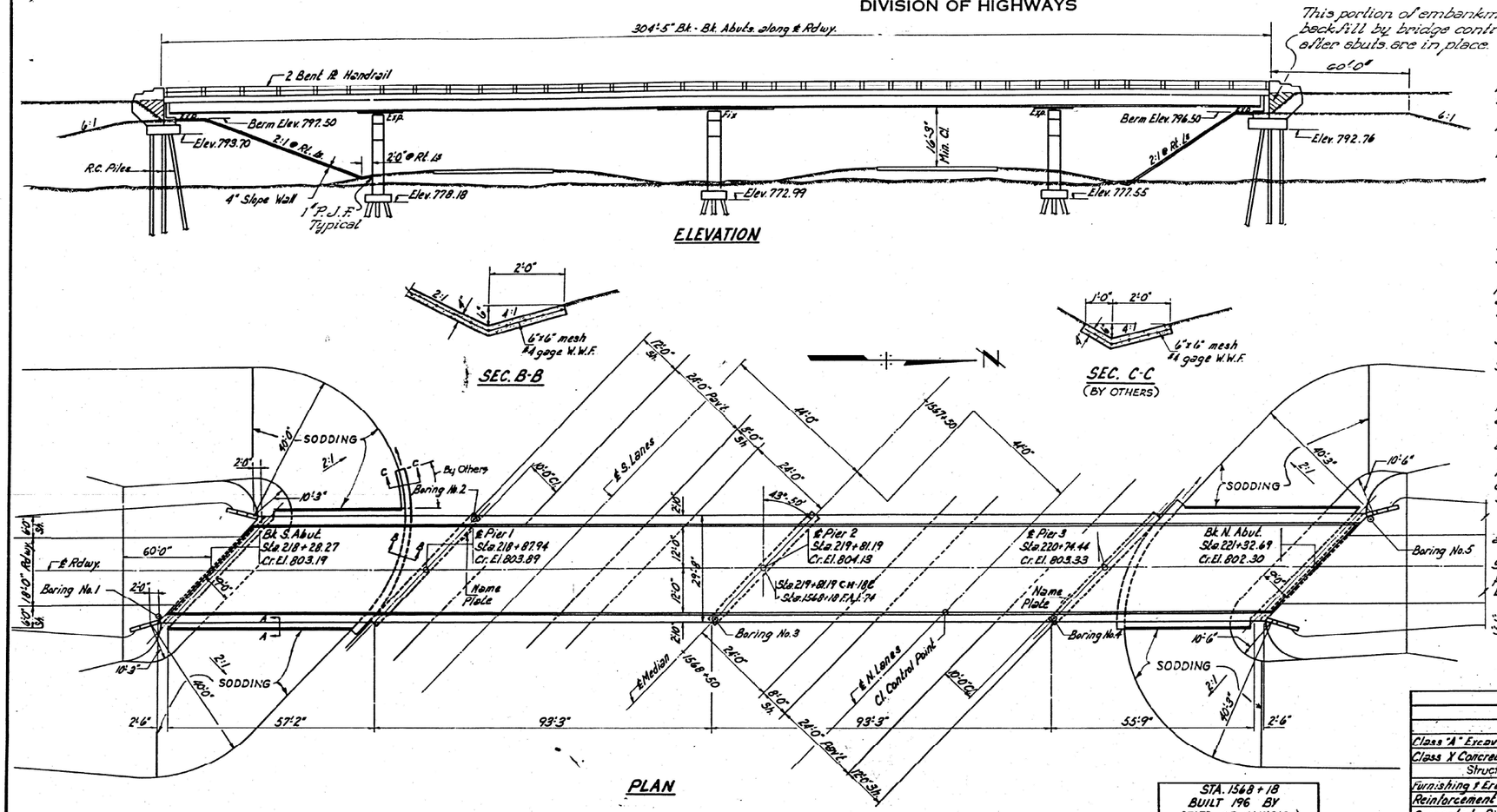
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	19
†D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

B.M. U.S.C.&G.S. N-199, 1959 - 21.3' Rt.
Sta. 229+38.5 Elev. 779.63

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. 74	57-18HB	McLEAN	22	6
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT I-74-4(90)119		

SHEET NO. 1
10 SHEETS



STA. 1568+18
BUILT 196 BY
STATE OF ILLINOIS
F.A.I. RT. 74 SEC. 57-18-HB
F.A. PROJ. I-74-4(90)
LOADING H15-S12

NAME PLATE
See Std. 2113-1

GENERAL NOTES

Class X Concrete shall be used throughout.

Coarse aggregate which is to be used in end posts must be absolutely free of chert, flint, limonite, lignite and soft sandstone.

The Concrete floor slab 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, #4 wires, weighing 58# per 100 sq. ft.

Rivets ¾", Open holes 13/16", unless noted.

All holes for splices shall be punched 11/16" and reamed to proper size (13/16" in web & 13/16" in flange) with all beams assembled in the shop in proper position. Leave assembled in shop for inspection.

All bolsters, rollers, rockers, bearing plates, shim plates, lead plates, pinlles 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.

All Structural Steel shall conform to ASTM A-36 Specifications for Structural Steel.

The roadway expansion guards shall be fabricated and erected in accordance with Article 51.13(d) of the Standard Specifications and are included in quantity of Structural Steel. Est. Wt. = 930 lbs.

Exposed surfaces of expansion guard angles shall be given two shop coats of red lead paint.

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.

All paint shall be furnished & applied by the Contractor

Holes shall be precored for piles under Abutments in accordance with Article 60.9(c) of the Standard Specifications.

The Contractor shall drive one concrete test pile at South Abutment in a permanent location and one timber test pile in the vicinity of pier 2 as directed by the engineer before ordering remainder of piles.

Wherever in these plans reference is made to the "Standard Specifications", it is understood to include the "Supplemental Specifications", effective March 2, 1964.

TOTAL BILL OF MATERIAL - SEC. 57-18HB

Item		Super	Sub		Total
Class "A" Excav. for Struct.	Cu. Yds.		190		190
Class X Concrete	Cu. Yds.	277.2	265.1		542.3
Structural Steel	Lbs.	294,890			294,890
Furnishing & Erecting Metal Handrail	Lin. Ft.	602			602
Reinforcement Bars	Lbs.	47,670	26,000		73,670
Creosoted Piles (up to 20')	Lin. Ft.		960		960
Creosoted Piles (20.1'-30')	Lin. Ft.		525		525
Test Piles (Timber)	Ea.		1		1
Concrete Piles	Lin. Ft.		735		735
Test Piles (Concrete)	Ea.		1		1
Name Plates	Ea.		2		2
Slope Wall (4")	Sq. Yds.		500		500
Protective Coat	Sq. Yds.				1,085

DESIGN STRESSES

fc = 1,400 p.s.i. Super & Sub
fc = 75 p.s.i. Footings
fs = 20,000 p.s.i. Reinf.
fs = 18,000 p.s.i. Struct
n = 10

LOADING H15-S12-44

DESIGNED U. R. Sonti
CHECKED K. E. Frelinger
DRAWN V. R. S. Flowler
CHECKED K. E. T. m. y.

JAN 17 1961
EXAMINED K. E. Baumann — ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED E. L. Hess — ENGINEER OF DESIGN
APPROVED R. R. Bartelsmeyer — STATE HIGHWAY ENGINEER

PROJ. I-74-4(90)119
GENERAL PLAN & ELEVATION
C.H. RT. 18-C OVER F.A.I. RT. 74
F.A.I. RT. 74 SEC. 57-18 HB
McLEAN COUNTY
STA. 1568+18

Revised - 11-14-59 - In ELEVATION, removed ft. notation from location of "Sa. Abut." "Basement - 7.00 Cu. Yds." - "Berm Exc. - 8,700 Cu. Yds." - same notation removed from location of "Bk. Abut." Added notation "by others" in SEC. C-C and in PLAN near "Sa. Abut." Added "Drains" in all four bridge quadrants. In "TOTAL BILL OF MATERIAL" removed from "Berm Exc. - 17,400 Cu. Yds." and removed "Furnishing of Structural Steel". Added "TOTAL BILL OF MATERIAL" for SEC. 57-18HB. In this bridge changed number after prefixes in project designation from 72C to 119.

Revised 1-3-64 by J. Mullenix - Added 1" P.J.F. @ bott. of slope on Elev. - Removed word "involved" from GEN. NOTES. - Changed A-7 to A-36 Steel in GEN. NOTES. - Added 60' berm & embank. backfill note to Elev. - Removed word "Erecting" from Struct. Steel in Quantities - Added Protec. Coat [redacted] to Quantities -

1-3-64 Cont. - Changed Title - Increased Reinf. Bars from 71,000 to 73,670 lbs. -

USER NAME = eaglinga	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #3 S.N. 057-0112

SCALE: NONE | SHEET 1 OF 3 SHEETS | STA. | TO STA.

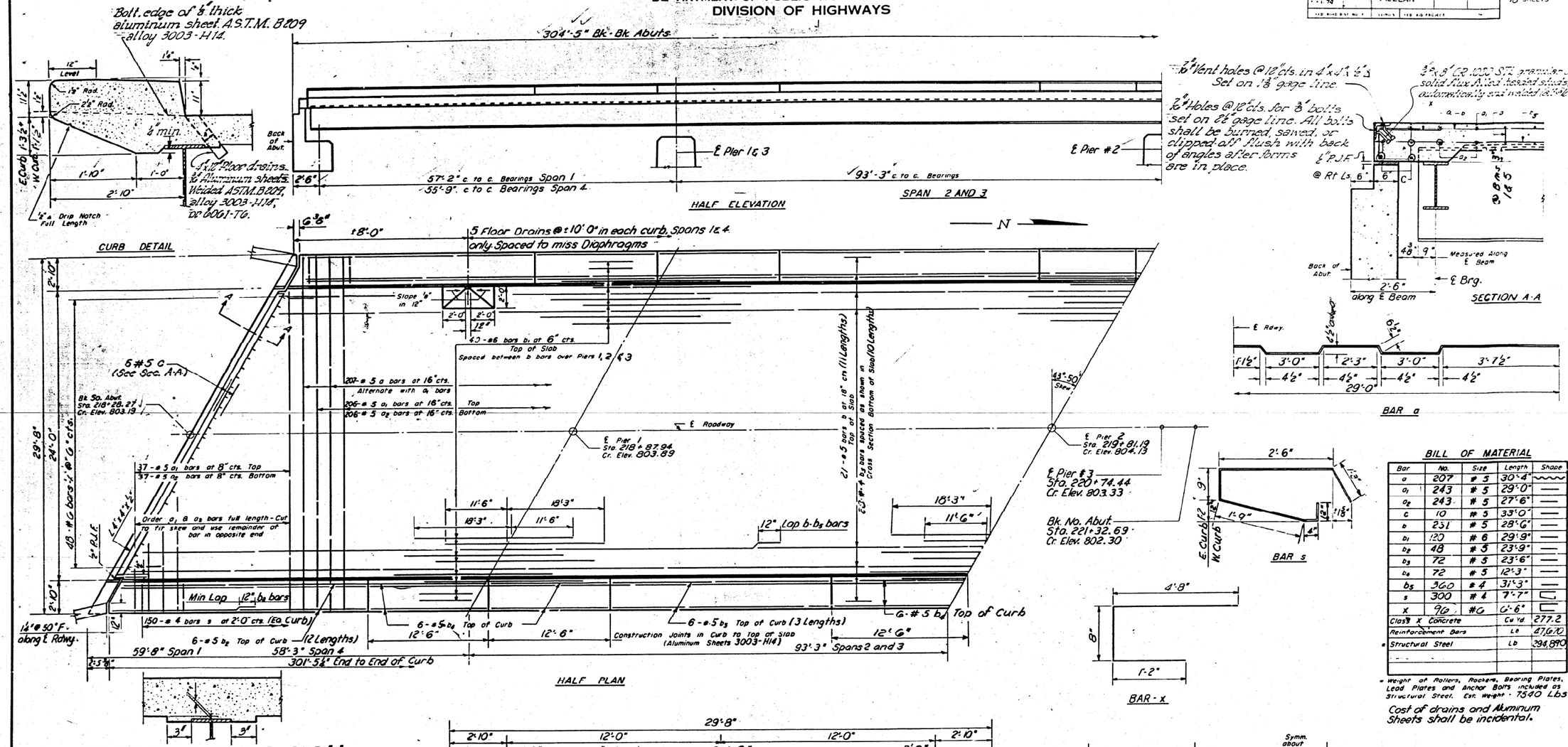
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	20
†D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

MODEL: $MODEL NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-sht-AsBuilts.dgn

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 74	57-18HB	McLEAN	22	8
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 3
10 SHEETS



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	207	#5	30'-4"	
a_1	243	#5	29'-0"	—
a_2	243	#5	27'-6"	—
c	10	#5	33'-0"	—
b	231	#5	28'-6"	—
b_1	120	#6	29'-9"	—
b_2	48	#5	23'-9"	—
b_3	72	#5	23'-6"	—
b_4	72	#5	12'-3"	—
b_5	360	#4	31'-3"	—
s	300	#4	7'-7"	
x	96	#6	6'-6"	
Class X Concrete			Cu. Yd.	277.2
Reinforcement Bars			Lb	47,670
* Structural Steel			Lb	394,890

* Weight of Rollers, Rockers, Bearing Plates, Lead Plates and Anchor Bolts included as Structural Steel. Est. Weight - 7540 Lbs

Cost of drains and Aluminum Sheets shall be incidental.

After all structural steel has been erected elevations of the top flanges of the beams shall be taken at intervals as shown on Sheet #5. These elevations subracted from the elevations "Top of Slab corrected for ⅊ Deflection," minus Floor thickness equals the fillet heights above top of beam.

DESIGNED	V. R. Sonti
CHECKED	R. S. Tatkinson
DRAWN	R. S. W. A. Sausaman
CHECKED	R.E.F. T. M. Y.

JAN 17 '61
EXAMINED M. L. Baumann
PASSED
APPROVED R. L. Bartelsmeyer

I-3-L Drawn 4-9-58 REV. 12-30-58 9-10-58 9-22-58 10-8-58

Revised I-3-64 by J. Mullenix -- Changed "CURB DET." to conform with Std. -- Changed 8" floor drains to 12" -- Changed "SEC. A-A" to conform with Std. -- Increased "BAR x" dimensions from 2'-8" to 4'-8" -- Increased "HALF PLAN" bar x from 34-#5 @ 12" to 67-#6 @ 6" -- Changed "CURB DET." Top spacing bars from 6-#4 b5 @ 10" to 8-#4 b5 @ 7½" with ea. side dimension decreasing from 11" to 9¾" -- Changed Bar x in quantities from 68-#5 - 4'-6" to 96-#6 - 6'-6" -- Changed b5 bar in quant. from 280-#4 @ 31'-3" to 300-#4 @ 31'-3" -- 1-5-64 Chg. -- Increased Reinf. Bars from 45,000 to 47,670 lbs. in quant. -- Changed Title -- Changed conc. ea. side bar in "Fillet" drawing from 2'-0" to 2'-3"

SUPERSTRUCTURE
F. A. I. RT. 74 SEC. 57-18 HB
McLEAN COUNTY
STA. 1568+18

USER NAME = eaglinga	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/29/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #3 S.N. 057-0112

SCALE: NONE | SHEET 2 OF 3 SHEETS | STA. | TO STA.

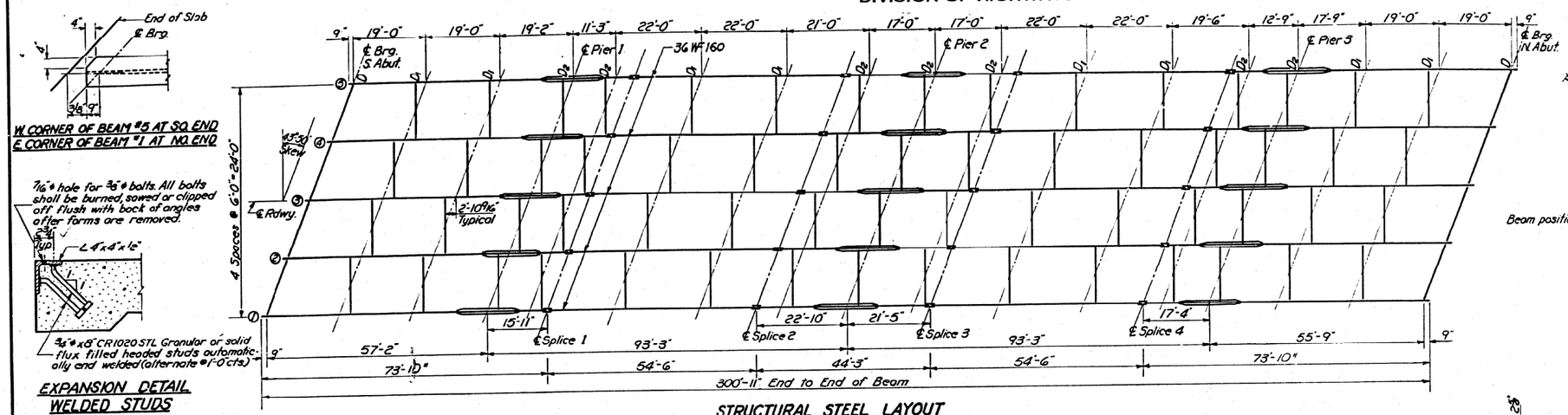
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	21
†D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS FED. AID PROJECT		

MODEL: $MODEL$NAMES
FILE NAME: pw:\\illinois-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D570E74\CADData\CADsheets\D570E74-cnt-AsBuilt.dgn

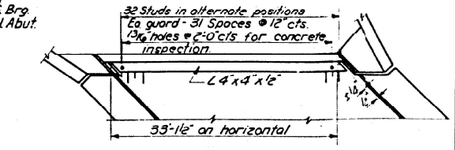
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. F.A.I. 74	57-18HB	McLEAN	22	9
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

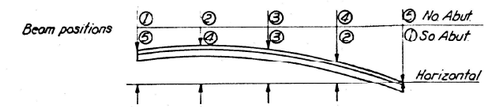
SHEET NO 4
10 SHEETS



STRUCTURAL STEEL LAYOUT

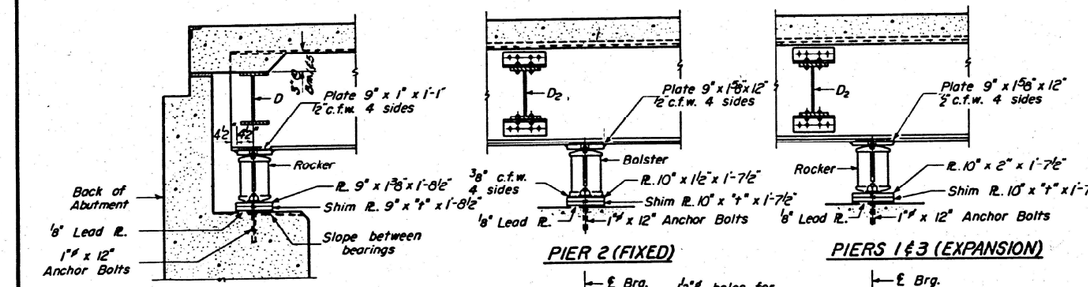


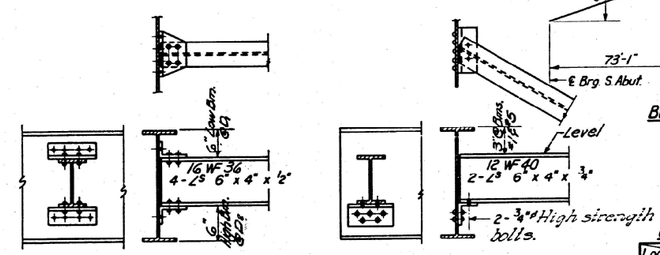
PLAN EXPANSION GUARD

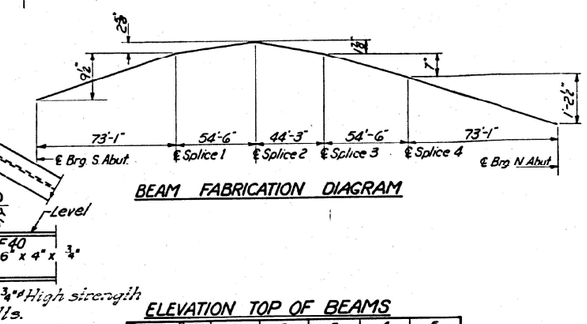


5	4	3	2	1	Beam / Location
0"	2 5/8"	4 7/16"	5 1/2"	5 3/4"	No. Abut.
4 1/8"	4 5/16"	3 11/16"	2 1/4"	0"	So. Abut.

PROFILE OF EXPANSION GUARD



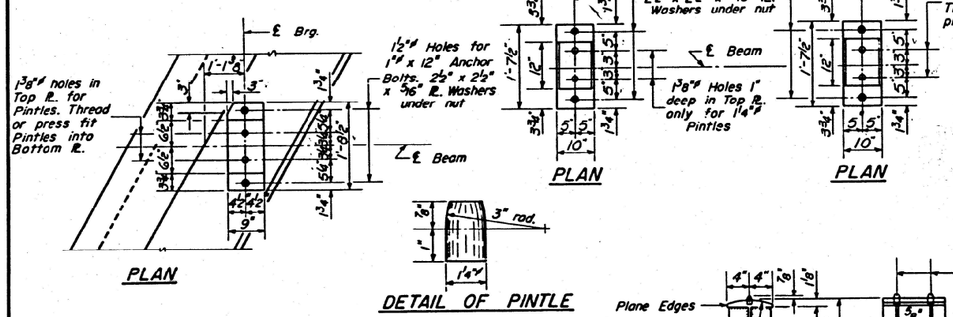




BEAM FABRICATION DIAGRAM

ELEVATION TOP OF BEAMS

Location / Beam	1	2	3	4	5
℄ Brg. S. Abut.	802.34	802.46	802.49	802.46	802.34
℄ Pier 1	802.95	803.07	803.10	803.07	802.95
℄ Splice 1	803.13	803.25	803.28	803.25	803.13
℄ Splice 2	803.35	803.47	803.50	803.47	803.35
℄ Pier 2	803.27	803.39	803.42	803.39	803.27
℄ Splice 3	803.19	803.31	803.34	803.31	803.19
℄ Splice 4	802.61	802.73	802.76	802.73	802.61
℄ Pier 3	802.32	802.44	802.47	802.44	802.32
℄ Brg. N. Abut.	801.40	801.52	801.55	801.52	801.40



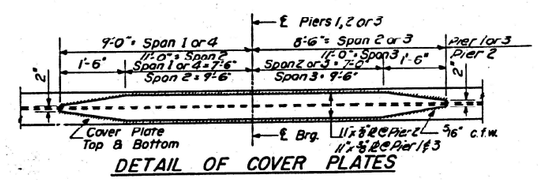
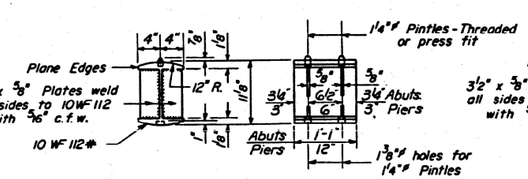
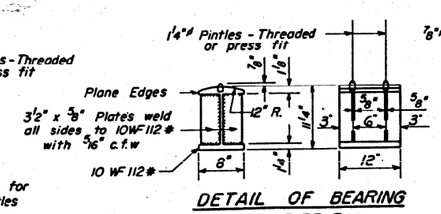
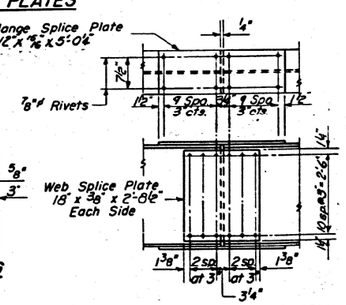


TABLE OF "t" DIMENSIONS

Location / Beams	℄ Brg. S. Abut	℄ Pier 1	℄ Pier 2	℄ Pier 3	℄ Brg. N. Abut
Beam 3	3/8"	5/8"	5/8"	5/8"	3/8"
Beams 1, 2, 4 & 5	0	0	0	0	0







STRUCTURAL STEEL
F.A.I. RT. 74 SEC. 57-18 HB
McLEAN COUNTY
STA. 1568 + 18

DESIGNED	V. R. Sonti
CHECKED	R. S. Fridley
DRAWN	J. L. Armstrong, W. A. Sausaman
CHECKED	R. S. F. T. M. Y

JAN 17 1961
EXAMINED — Engineer of Bridges and Traffic Structures
PASSED — Engineer of Design
APPROVED — Chief Highway Engineer

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

Revised 1-3-64 by J. Mullenix - Changed 2-3/4" ϕ Bolts to high strength in Diaph. D. - Changed Title. -

USER NAME = eaglinga	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/29/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #3 S.N. 057-0112
SCALE: NONE | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	22
D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

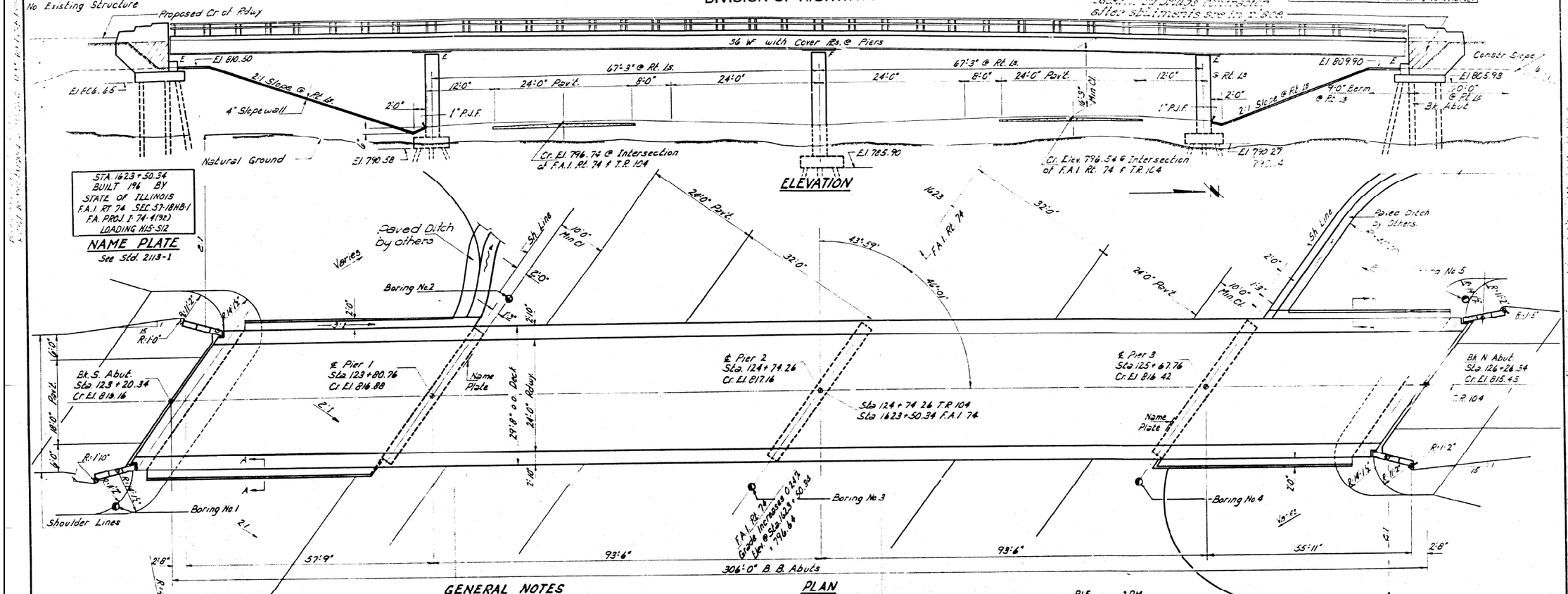
MODEL: $MODEL NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-sht-AsBuilt.dgn

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

F.A.I. 74	57-18 HB-1	McLEAN	25	6

SHEET NO. 10 SHEETS

This portion of embankment backfill by bridge contractor after abutments are in place



GENERAL NOTES

Class X Concrete shall be used throughout.

Coarse aggregate which is to be used in end posts must be absolutely free of chert, flint, limonite, lignite and soft sandstone.

The concrete floor slab 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. #4 wires, weighing 58# per 100 sq. ft.

Rivets 7/8", open holes 13/16" unless noted.

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

All holes for splices shall be punched 15/16" and reamed to proper size, (13/16" in web and 15/16" in flange) with all beams assembled in shop in proper position. Leave assembled in shop for inspection.

Anchor bolts shall be set before riveting diaphragms over supports.

All bolsters, rockers, bearing plates, shim 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.

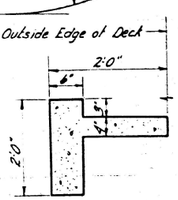
Except as otherwise provided all Structural Steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Articles 56.1 to 56.5 inclusive of the Standard Specifications.

All paint shall be furnished and applied by the Contractor.

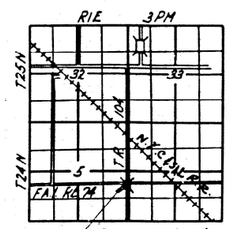
Concrete piles through embankment shall be driven in precored holes in accordance with Article 60.9(c) of the Standard Specifications.

PLAN

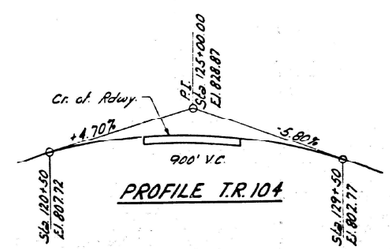
The Contractor shall drive one concrete test pile at North abutment in permanent location and one timber test pile in the vicinity of pier 2 as directed by the Engineer before ordering remainder of piles.



SEC. A-A



LOCATION SKETCH



PROFILE T.R. 104

DESIGN STRESSES

fc = 1400 p.s.i. Super & Sub.
Vc = 75 p.s.i. Flgs.
fs = 20,000 p.s.i. Reinf.
fs = 18,000 p.s.i. Struct.
n = 10

LOADING H15-S12-44

TOTAL BILL OF MATERIAL (SEC. 57-18HB-1)

Item		Super	Sub	Total
Class A Excav. for Structure	Cu. Yds.		110	110
Class X Concrete	Cu. Yds.	257.0	266.0	523.0
Structural Steel	Lbs.	290,340		290,340
Furnishing & Erecting Metal Handrail	Lin. Ft.	606		606
Reinforcement Bars	Lbs.	44,500	23,980	68,480
Creosoted Piles	Lin. Ft.		1,365	1,365
Test Piles (Timber)	Ea.		1	1
Concrete Piles	Lin. Ft.		848	848
Test Piles (Concrete)	Ea.		1	1
Name Plates	Ea.		2	2
Slope Wall (4")	Sq. Yds.		490	490
Protective Coat	Sq. Yds.			1070

DESIGNED Abraham K. Rock
CHECKED W. Hsing
DRAWN A.K.R. Plawler
CHECKED W. Hsing

FEB 16 1961
EXAMINED H. B. Rammacher — ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES
PASSED E. Harris — ENGINEER OF DESIGN
APPROVED R. R. Bartelsmeyer — CHIEF HIGHWAY ENGINEER

GENERAL PLAN & ELEVATION
TR 104 OVER F.A.I. RT. 74
PROJ. I-74-4(92) 120
F.A.I. RT. 74 SEC. 57-18HB-1
McLEAN COUNTY
STA. 1623+50.34

Revised 10/61 In Station removed retaining Embankment 8300 Cu. Yds. Earth Exc. 12250 Cu. Yds. at Sta. 1611 & Embankment 12000 Cu. Yds. Earth Exc. 15750 Cu. Yds. at Sta. 1631. Added notation of 3/4" F.A.I. Rt. 74 Elev. Grade and adjusted Elev. of T.R. 104 Elev. elsewhere and Elev. of Pier #1. In Plan & Elevation Revised Elev. of Sta. 1611 and Rt. in Abutments of profile & Sta. 1611 and 1631. In Cross Section removed Elev. Earth Exc. 3000 Cu. Yds.

Revised 12-27-63 by J. Mullenix — Removed P.J.F. Abuts. — Added embank. backfill note to Abut. and changed Sta. 1611 to 1631 — Removed "Scale" from PLAN — Added "Design A-36 to GEN. NOTES — Changed Super Reinf. Bars 45,450 to 44,500 lbs.

Rev. 1/29/64 Deleted Bridge Rt. Elevation — N.H.

USER NAME = eaglinga	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #4 S.N. 057-0114

SCALE: NONE | SHEET 1 OF 3 SHEETS | STA. | TO STA.

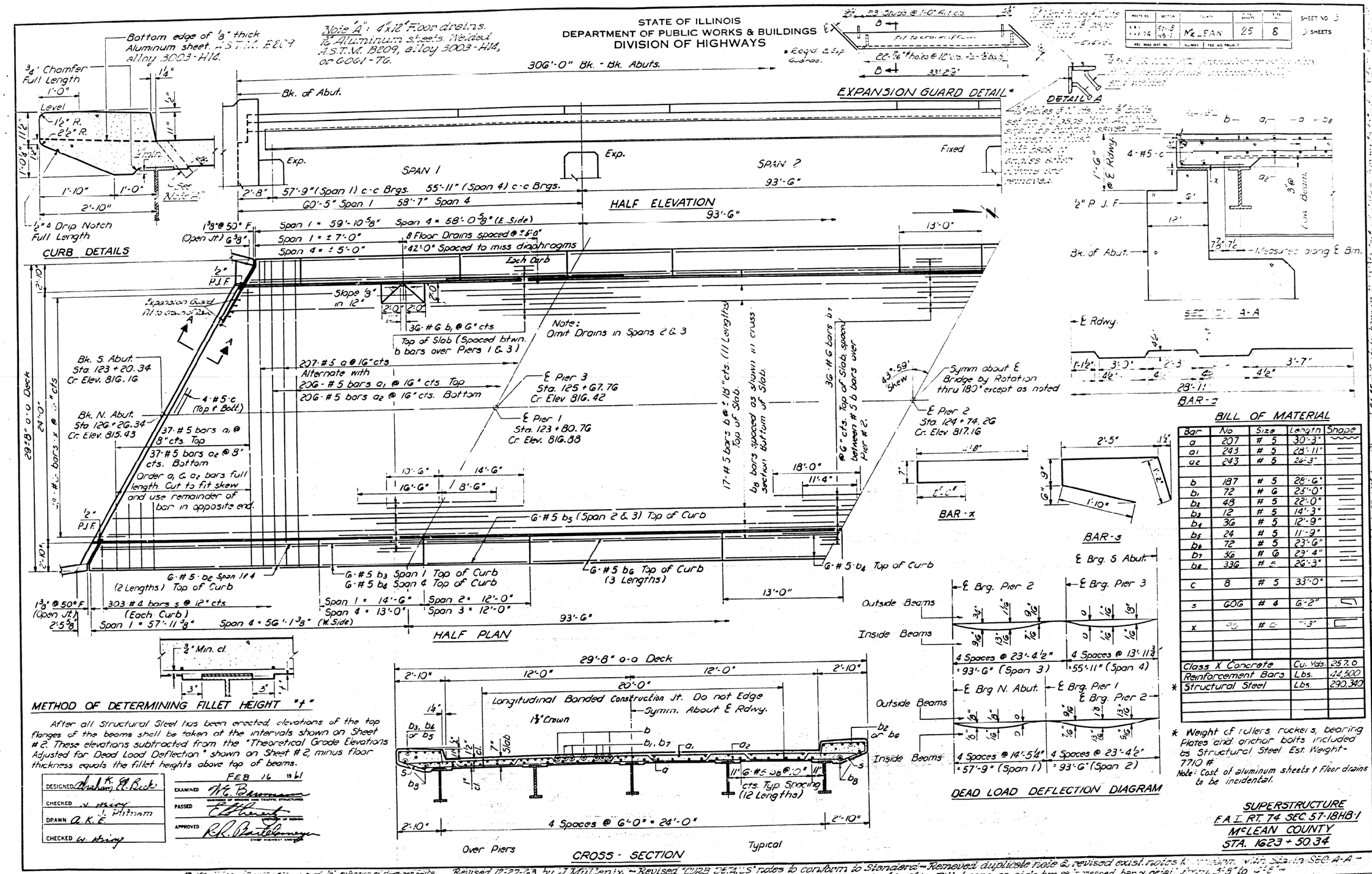
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	McLEAN	50	23
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

MODEL: $MODEL NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-sht-A-Built-.dgn

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 74	57-B 57-1	McLEAN	25	8
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO 5 OF SHEETS



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	207	# 5	30'-3"	
a1	243	# 5	28'-11"	
a2	243	# 5	26'-3"	
b	187	# 5	28'-6"	
b1	72	# 6	25'-0"	
b2	48	# 5	22'-0"	
b3	12	# 5	14'-3"	
b4	36	# 5	12'-9"	
b5	24	# 5	11'-9"	
b6	72	# 5	23'-6"	
b7	36	# 6	23'-4"	
b8	336	# 5	26'-3"	
c	8	# 5	33'-0"	
s	606	# 4	6'-2"	
x	36	# 6	[illegible]	
Class X Concrete			Cu. Yds.	252.0
Reinforcement Bars			Lbs.	44,500
* Structural Steel			Lbs.	290,340

* Weight of rollers, rockers, bearing plates and anchor bolts included as Structural Steel. Est. Weight = 7710 #
Note: Cost of aluminum sheets & Floor drains to be incidental.

SUPERSTRUCTURE
F.A.I. RT. 74 SEC. 57-1B HB-1
McLEAN COUNTY
STA. 1623 + 50.34

DESIGNED Graham, K. Beck
CHECKED W. Henry
DRAWN J. Pittman / A.K.E.
CHECKED W. Henry

EXAMINED W. Brennan — ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES
PASSED [signature] — ENGINEER OF DESIGN
APPROVED R.R. Bartelsmeyer — CHIEF HIGHWAY ENGINEER

FEB 16 1961

Revised 12-27-63 by J. Mullenix — Revised "CURB DETAILS" notes to conform to Standard — Removed duplicate note & revised exist. notes to conform with Standard SEC. A-A — Changed floor drains from 8" to 12" — Changed SEC. B-B to DETAIL A. — Changed 4" to 3" in Fillet conc. ea. side bm. — Increased bar x detail from 3'-5" to 4'-6" —

USER NAME = eaglinga	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #4 S.N. 057-0114

SCALE: NONE | SHEET 2 OF 3 SHEETS | STA. | TO STA.

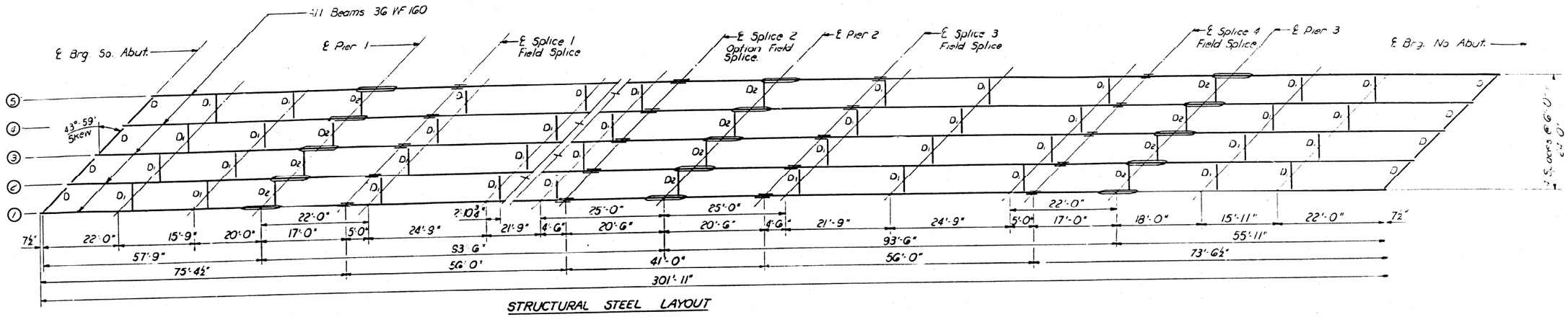
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	24
†D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-sht-AsBuilts.dgn

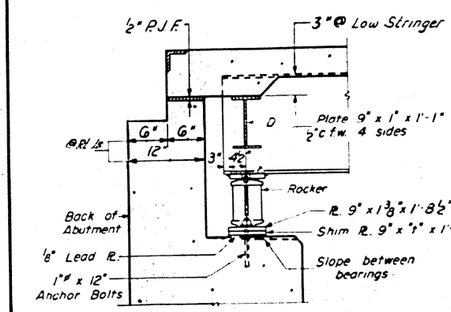
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 74	57-18 HB-1	McLEAN	25	9
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJ.		

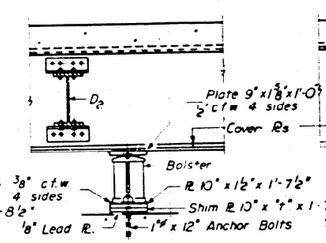
SHEET NO. 9 OF 10 SHEETS



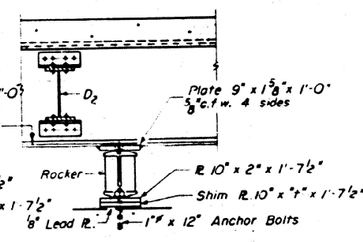
STRUCTURAL STEEL LAYOUT



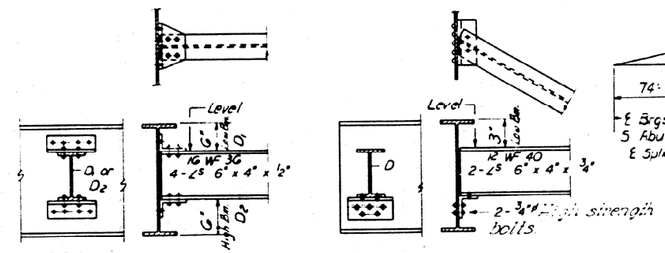
SECTION AT ABUTMENT



PIER 2

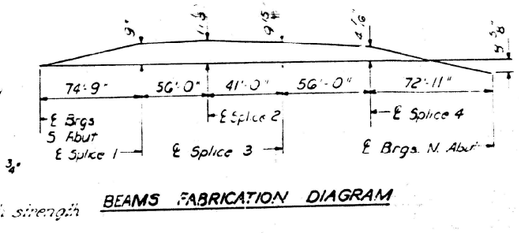


PIERS 1 & 3

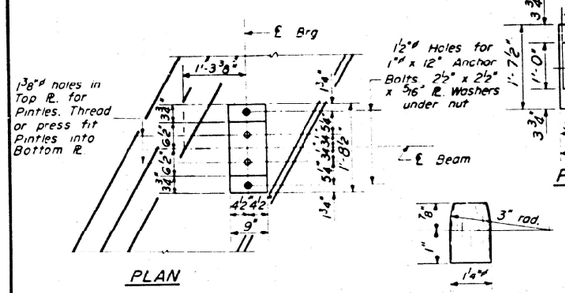


DIAPHRAGM D1 & D2
D1 40 Required
D2 12 Required

DIAPHRAGM D
8 Required

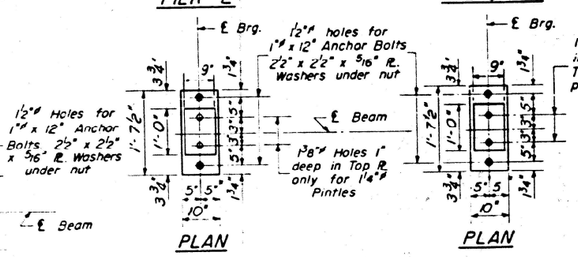


BEAMS FABRICATION DIAGRAM



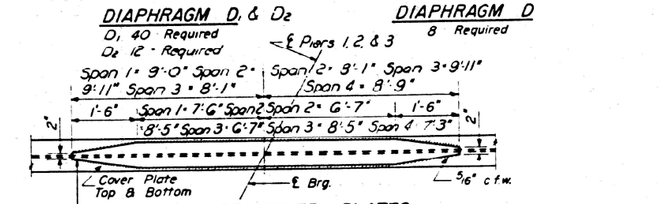
PLAN

DETAIL OF PINTLE



PLAN

PLAN



DETAIL OF COVER PLATES

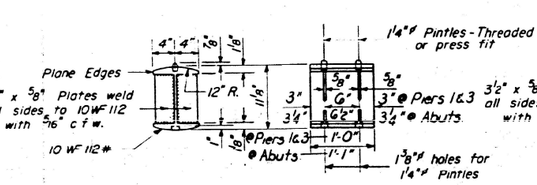
Cover Plates
⅜" x 11" @ Piers 1 & 3
11/16" x 11" @ Pier 2
(Top & Bottom)

ELEVATION TOP OF BEAMS

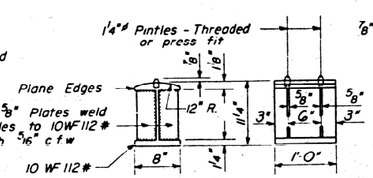
	Bm 1	Bm. 2	Bm 3	Bm. 4	Bm. 5
℄ Brgs. S. Abut.	815.34	815.52	815.62	815.49	815.29
℄ Pier 1	815.90	816.08	816.18	816.05	815.55
℄ Splice 1	816.09	816.27	816.37	816.24	816.04
℄ Splice 2	816.27	816.45	816.55	816.42	816.22
℄ Pier 2	816.22	816.40	816.50	816.37	816.17
℄ Splice 3	816.17	816.35	816.45	816.32	816.12
℄ Splice 4	815.71	815.89	815.99	815.86	815.66
℄ Pier 3	815.46	815.64	815.74	815.61	815.41
℄ Brgs. N. Abut	814.62	814.80	814.90	814.77	814.57

TABLE OF "t" DIMENSIONS

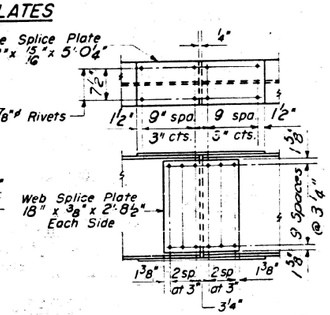
	Bm 1	Bm 2	Bm 3	Bm. 4	Bm. 5
℄ Brg. S. Abut.	⅜"	⅜"	0	0	0
℄ Pier 1	⅜"	⅜"	0	0	0
℄ Pier 2	⅜"	⅜"	0	0	0
℄ Pier 3	⅜"	⅜"	0	0	0
℄ Brgs. N. Abut	⅜"	⅜"	0	0	0



DETAIL OF BEARING AT PIERS 1 & 3 AND ABUTMENTS



DETAIL OF BEARING AT PIER 2



DETAIL OF SPLICE

STRUCTURAL STEEL DETAILS
F.A.I. RT. 74 SEC 57-18HB-1
McLEAN COUNTY
STA. 1623 + 50.34

DESIGNED Graham K. & Beck
CHECKED
DRAWN A.K.E. W.A. Sausaman Jr.
CHECKED

FEB 16 1961
EXAMINED M.E. Bruman — ENGINEER OF BRIDGE DES. TRAFFIC STRUCTURES
PASSED — ENGINEER OF DESIGN
APPROVED R.R. Bartelsmeyer — CHIEF HIGHWAY ENGINEER

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

Revised 12-27-63 by J. Mullenix. ~ Added 4" angle picture to SEC. @ ABUT. ~
~ Changed 2-¾" Bolts to read "high strength" bolts in DIAPH. D. ~ Changed title ~

MODEL: $MODELNAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADSheets\D570E74-sht-xBuilt.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #4 S.N. 057-0114

SCALE: NONE | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	25
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

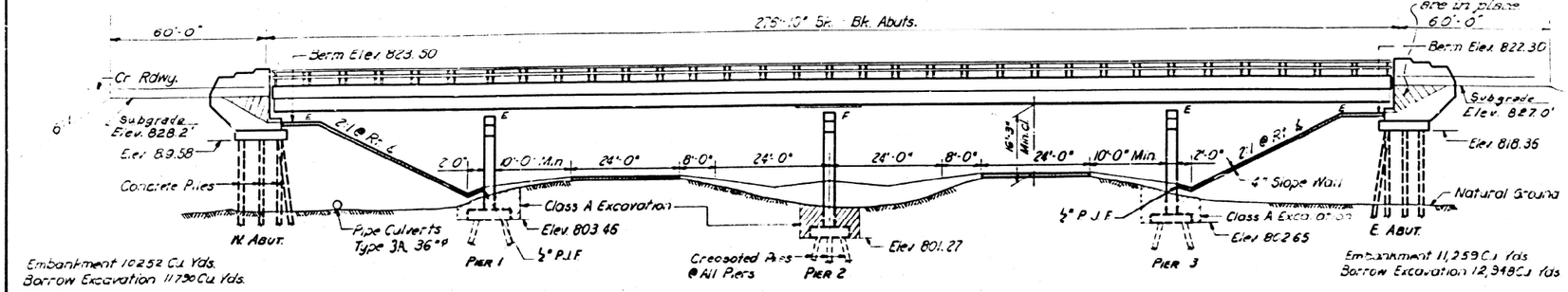
B.M. J.S.C. & G.S. "Dan" - 23.2' Rt.
Sta. 350+00 (T.R. 201) Elev. 807.67

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

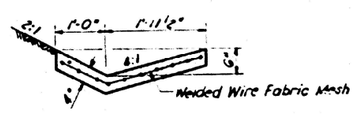
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. Rt. 74	Sta. 17+22.50	McLEAN	19	5

SHEET NO. 1
11 SHEETS

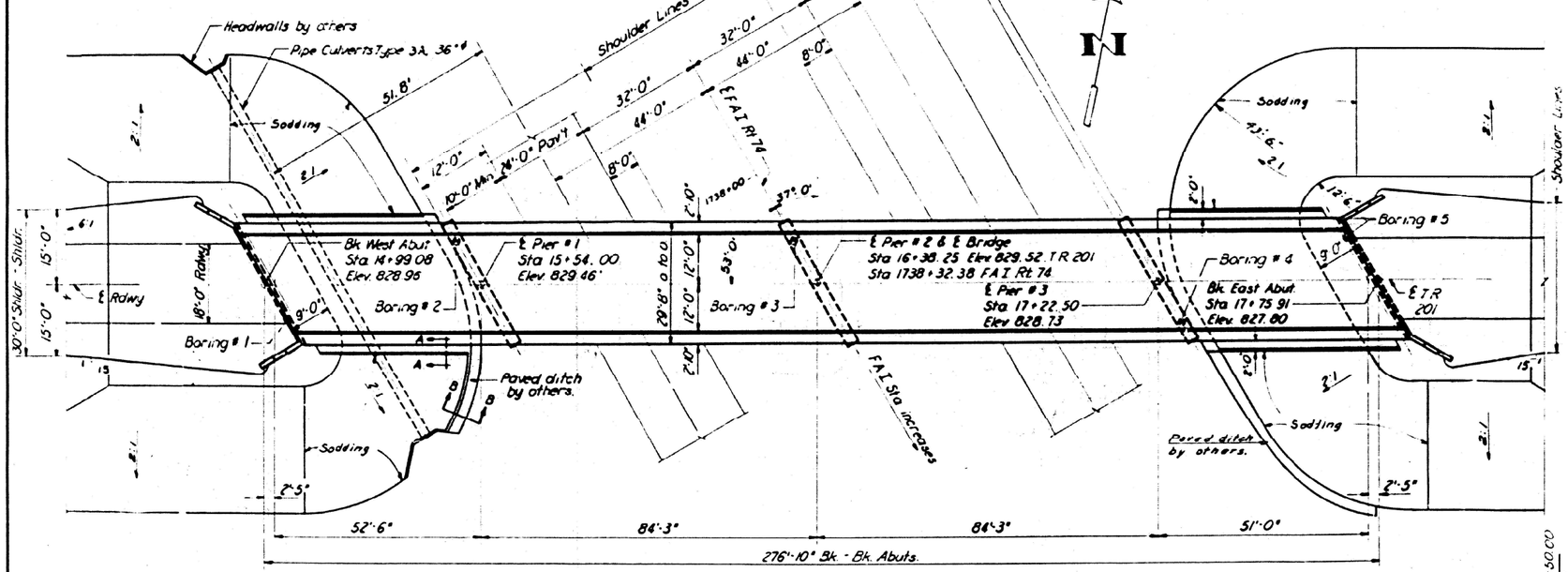
This portion of embankment backfill by bridge contractor after abutments are in place



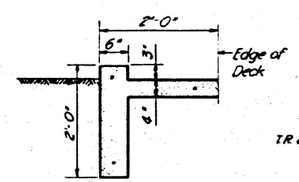
ELEVATION



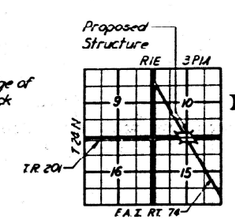
SEC. B-B



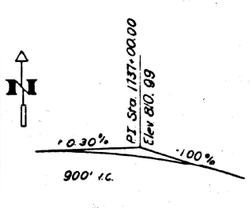
PLAN



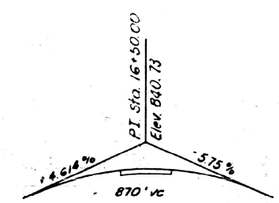
SECTION A-A



LOCATION PLAN



PROFILE F.A.I. RT. 74



PROPOSED GRADE PROFILE
TOWNSHIP ROAD 201

GENERAL NOTES

Class X Concrete shall be used throughout.

Coarse aggregate which is to be used in end posts must be free of chert, flint, limonite, lignite, and soft sandstone.

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

Slope wall shall be reinforced with welded wire fabric 6" x 6" mesh #4 wires, weighing 58# per 100 sq. ft.

Rivets ¾" in open holes 13/16" unless noted.

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

Anchor bolts shall be set before riveting diaphragms over supports.

All bolsters, rockers, bearing plates, shim 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.

Estimated Weight = 7890 lbs.

Except as otherwise [illegible] all Structural Steel shall receive one shop coat [illegible] two field coats of aluminum paint. See Articles [illegible] Standard Specifications.

All paint shall be furnished and applied by the Contractor.

Concrete piles through embankment shall be driven in preformed holes in accordance with [illegible] 60.3(c) of the Standard Specifications.

The Contractor shall drive one concrete test pile at West Abutment in a permanent location and one other test pile in the vicinity of Pier #2 as directed by the Engineer before driving remainder of piles.

TOTAL BILL OF MATERIAL

Item	Unit	Superstr.	Substr.	Total
Borrow Excavation	Cu. Yds.		24,738	24,738
Class A Excavation for Structures	Cu. Yds.		130	130
Class X Concrete	Cu. Yds.	231.0	234.1	465.1
Structural Steel	Lbs.	245,490		245,490
Furnishing & Erecting Metal Handrail	Lin. Ft.	528		528
Reinforcement Bars	Lbs.	46,140	23,470	69,610
Creosoted Piles (Up to 20')	Lin. Ft.		1,120	1,120
Test Piles (Timber)	Each		1	1
Concrete Piles	Lin. Ft.		920	920
Test Piles (Concrete)	Each		1	1
Name Plates	Each		2	2
Slope Wall (4")	Sq. Yds.		500	500
Pipe Culverts Type 3A 36"	Lin. Ft.		114	114
Protective Coat	Sq. Yds.			784

STA. 1738+32.38
BUILT 196 BY
STATE OF ILLINOIS
F.A.I. RT. 74 SEC. 57-18HB-2
F.A. PROJ. I-74-4(193)
LOADING H15-S12

NAME PLATE LETTERING
See Standard 2113-1

DESIGNED
CHECKED
DRAWN J. Putnam
CHECKED

EXAMINED
PASSED
APPROVED

DESIGN STRESSES

fc = 1400 p.s.i. Super and Sub.
vc = 75 p.s.i. F'gs.
fs = 20,000 p.s.i. Reinf.
fs = 18,000 p.s.i. Struct.
n = 10
LL. Def. = L/1000

LOADING H15-S12-44

GENERAL PLAN AND ELEVATION
PROJECT I-74-4 (193)
T.R. 201 OVER
F.A.I. RT. 74 SEC. 57-18HB-2
McLEAN COUNTY
STA. 1738+32.38

Revised 1-2-64 by J. Mullenix - Removed ½" P.J.F. @ top of abuts. - Removed "Furnishing & Erect." from Struct. Steel quantities. - Changed A.S.T.M. A-7 to A-36. - Added Radius. Removed "a" from Pier values. Total Bill of Material. Bar Esc. from 17,810 to 24,738 Cu. Yds. - Added Protect Prot. & Painting Seat Seal in plant. - Increased Struct. Steel plant 244,720 lbs. to 245,490 lbs. - Corrected embank. back. [illegible] note in Elev.

USER NAME = eaglinga	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #5 S.N. 057-0115

SCALE: NONE | SHEET 1 OF 3 SHEETS | STA. | TO STA.

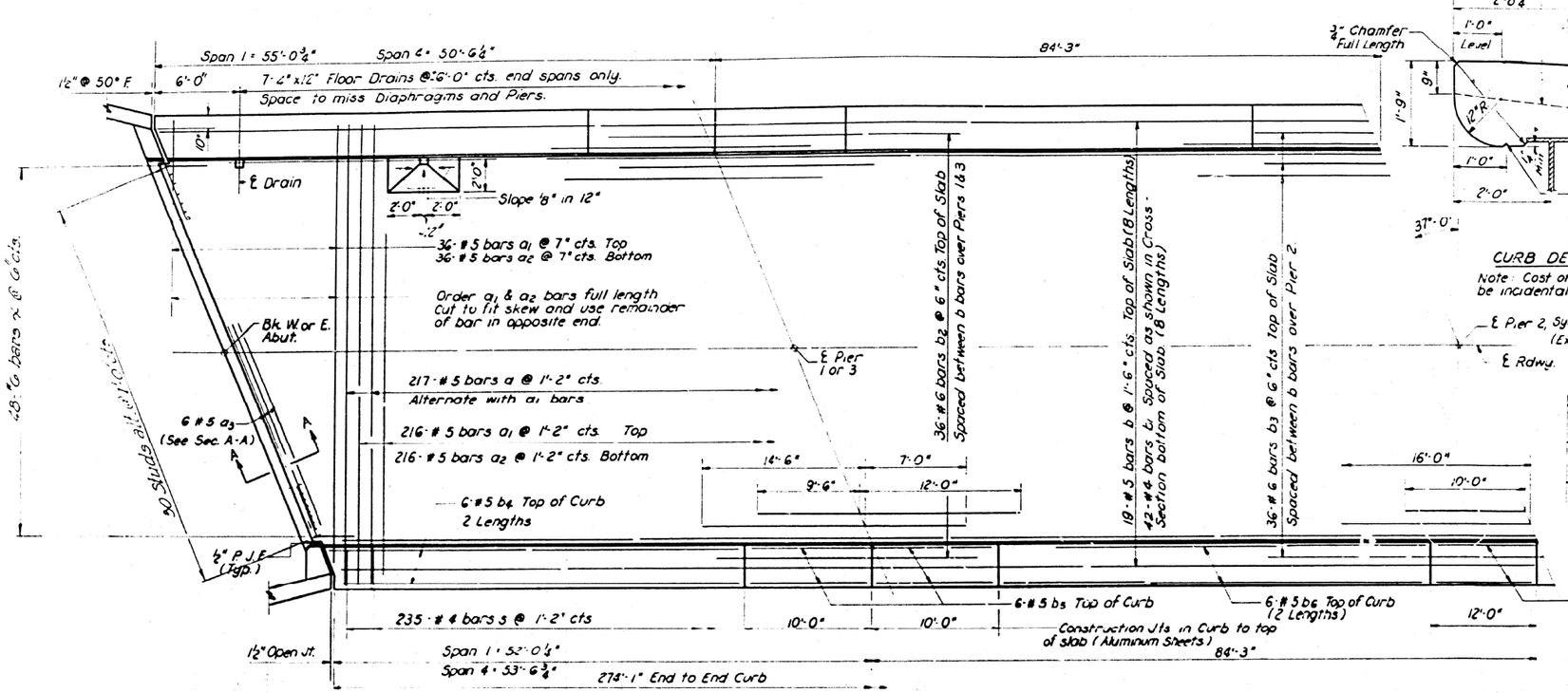
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	26
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS FED. AID PROJECT		

MODEL: $MODEL NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-sht-AsBuilts.dgn

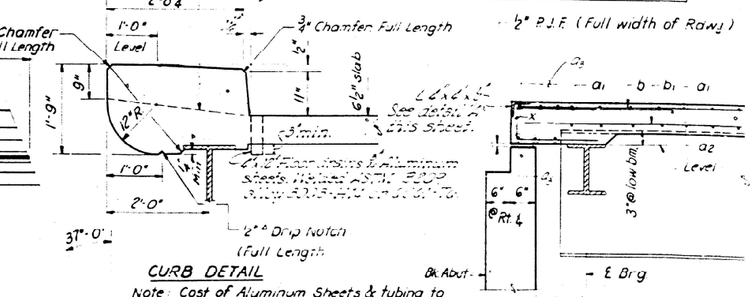
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 74	57-18 HB-2	McLean	19	7
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 3 OF 11 SHEETS



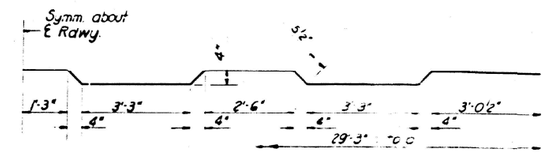
HALF PLAN



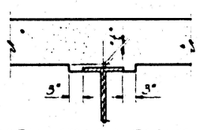
CURB DETAIL

Note: Cost of Aluminum Sheets & tubing to be incidental to Class X Concrete.

SECTION A-A

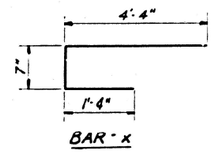


BAR - a

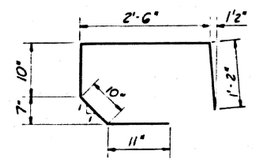


STANDARD FILLET DETAIL

After all Structural Steel has been erected, elevations of the top flanges of the beams shall be taken at the stations shown on Sheet # 5. These elevations subtracted from the "Theoretical Grade Elevations adjusted for Dead Load Deflection" shown on Sheet # 5, minus slab thickness equals the fillet heights "t" above top of beams.



BAR - x



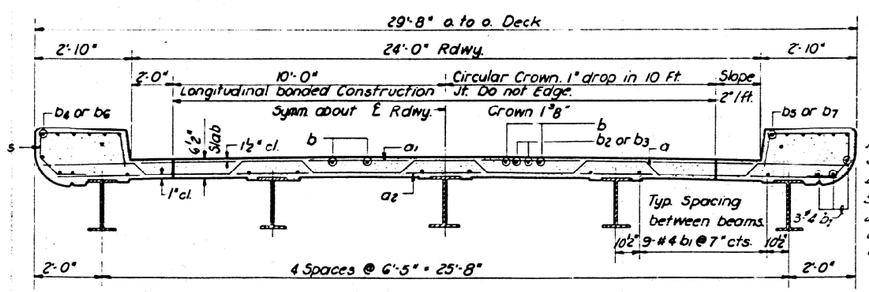
BAR - s

BILL OF MATERIAL

Bar	No	Size	Length	Shape
a	217	# 5	30'-3"	
a1	252	# 5	29'-3"	
a2	252	# 5	28'-8"	
a3	12	# 5	29'-6"	
b	152	# 5	35'-6"	
b1	336	# 4	35'-6"	
b2	72	# 6	21'-6"	
b3	36	# 6	26'-0"	
b4	48	# 5	23'-0"	
b5	48	# 5	9'-9"	
b6	48	# 5	31'-6"	
b7	24	# 5	11'-9"	
s	470	# 4	6'-3"	
x	96	# 6	6'-3"	
Class X Concrete			Cu. yds.	231.0
Reinforcement Bars			Lbs.	46,140
* Structural Steel			Lbs.	245,440

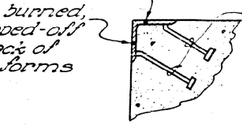
* Wt of bearing assemblies with lead plates and anchor bolts included as structural steel. Est. Wt = 7890 Lbs.

Note: Min. bar lap = 20 Dia.



TYPICAL OVER PIERS

CROSS SECTION



DETAIL A

⅛" Holes @ 12" cts. for ⅜" bolts set on 2½" gage line. All bolts shall be burned, sawed, or clipped-off flush with back of angles after forms are in place.

⅛" Vent holes @ 12" cts. in 4"x4"x½" ∠. Set on 1⅞" gage line.

¾"x8" CR 1020 STL granular or solid flux filled headed studs automatically end welded (alternate @ 1'-0" cts.)

DESIGNED	W. M. Lemmon Jr.	EXAMINED	Sept. 27 19 [illegible]
CHECKED	T. M. Yang	PASSED	
DRAWN	W. N. M. J. Putnam	APPROVED	R. R. Bartelsmeyer, Chief Highway Engineer
CHECKED	T. M. Yang		

SUPERSTRUCTURE
F.A.I. RT 74 SEC. 57-18HB-2
McLEAN COUNTY
STA. 1738 + 32.38

Revised 1-2-64 by J. Mullenix — Changed Floor Drains from 3"x6" to 4"x12" — Changed conc. at side bm. in "Fillet Det." from [illegible] — Changed Curb Detail to [illegible] — Added "Detail A" & Added studs A and B to U.A.I.F. DLAN & increase Stud Steel in quant. from 244,720 to 245,440 [illegible]

USER NAME = eaglinga	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #5 S.N. 057-0115

SCALE: NONE | SHEET 2 OF 3 SHEETS | STA. | TO STA.

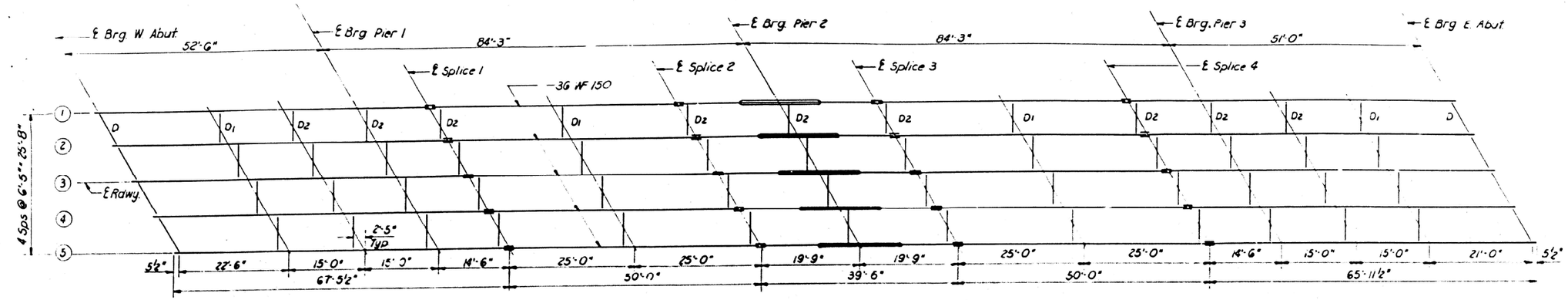
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	27
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D570E74\CADData\CADsheets\D570E74-ct-AsBuilt5.dgn

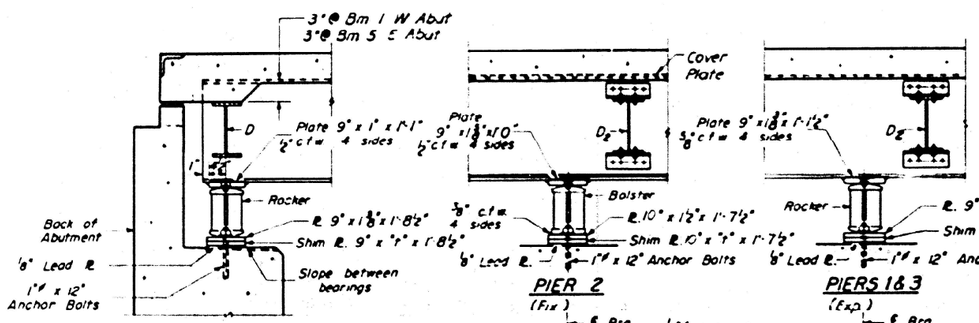
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. I-74	57-1B NB-2	McLean	19	8
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. 4
11 SHEETS



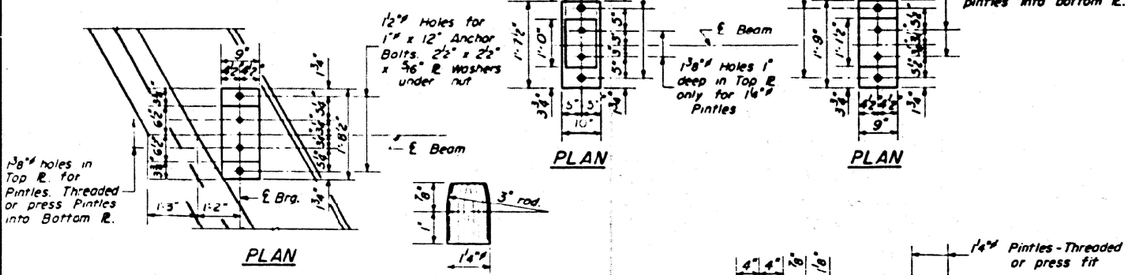
STRUCTURAL STEEL LAYOUT



SECTION AT ABUTMENT

PIER 2 (Fix)

PIERS 1 & 3 (Exp.)

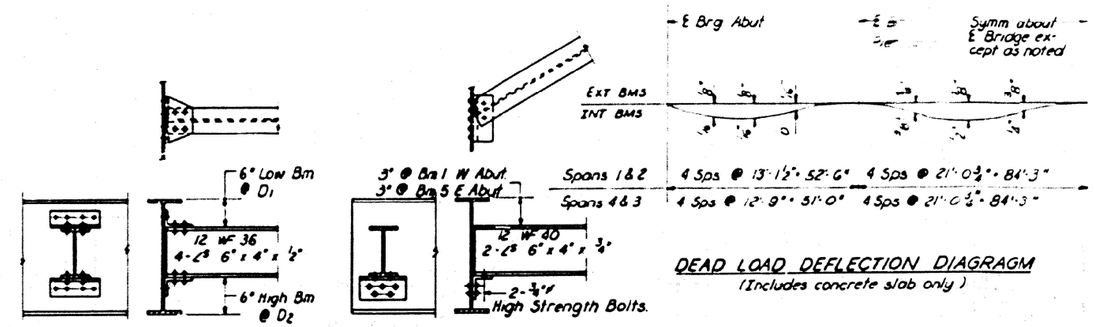


PLAN

PLAN

PLAN

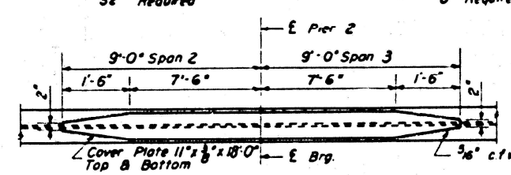
DETAIL OF PINTLE



DIAPHRAGM D1 & D2
52 Required

DIAPHRAGM D
8 Required

DEAD LOAD DEFLECTION DIAGRAM
(Includes concrete slab only)



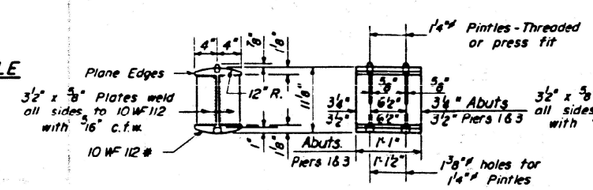
DETAIL OF COVER PLATES

ELEVATION TOP OF BEAMS

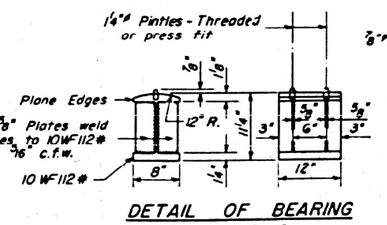
Beam #	℄ Brg W Abut	℄ Pier 1	Splice # 1	Splice # 2	℄ Pier 2	Splice # 3	Splice # 4	℄ Pier 3	℄ Brg E Abut
1	828.21	828.66	828.78	828.89	828.83	828.77	828.34	828.13	827.38
2	828.22	828.67	828.79	828.90	828.84	828.78	828.35	828.14	827.39
3	828.46	828.84	828.95	829.01	828.93	828.84	828.36	828.13	827.32
4	828.49	828.81	828.90	828.90	828.80	828.69	828.13	827.90	827.04
5	828.44	828.76	828.85	828.85	828.75	828.64	828.10	827.85	826.99

TABLE OF "t" DIMENSIONS

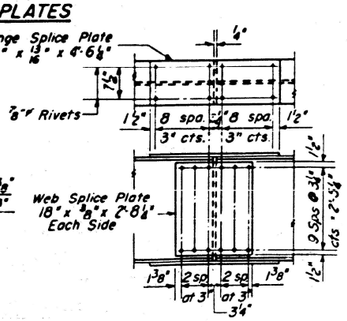
Position	Bm 1	Bm 2	Bm 3	Bm 4	Bm 5
℄ Brg W Abut	0	⅛"	¼"	⅜"	0
Pier 1	0	⅛"	1"	⅜"	0
Pier 2	0	⅛"	1⅛"	⅜"	0
Pier 3	0	⅛"	0	⅜"	0
℄ Brg E Abut	¾"	⅞"	0	⅜"	0



DETAIL OF BEARING AT PIERS 1 & 3 & ABUTS.
20 Required



DETAIL OF BEARING AT PIER 2
5 Required



DETAIL OF SPLICE

DESIGNED		
CHECKED		
DRAWN	W.A. Sousaman	
CHECKED		

EXAMINED Sept 27 1961
PASSED
APPROVED

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

Revised 1-2-60 to Multiplate & Added 1" ø Pin Sup @ Abut

STRUCTURAL STEEL DETAILS
F.A.I. RT 74 SEC. 57-1BHB-2
McLEAN COUNTY
STA. 1738+32.38

USER NAME = eaglinga	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #5 S.N. 057-0115

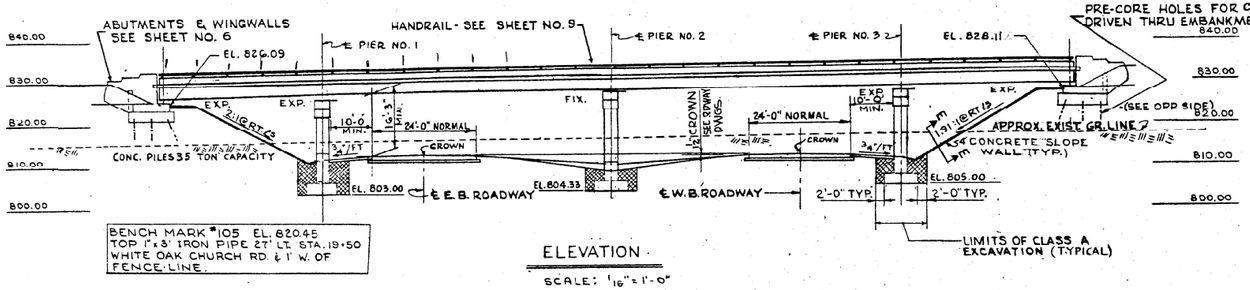
SCALE: NONE | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	28
†D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

MODEL: $MODELNAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\projects\D570E74\CADData\CADsheets\D570E74-sht-4sBuilt.dgn

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 74	57-19HB	MC LEAN	30	7
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT I-74-6 & STP-2(2)		

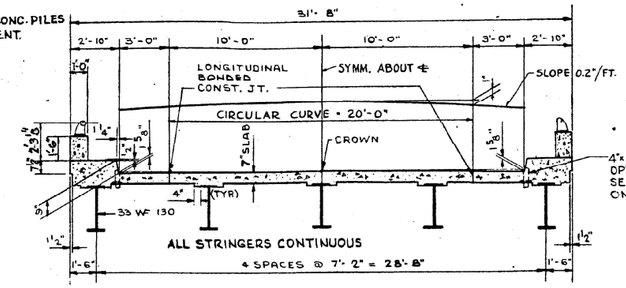
SHEET NO. 1
10 SHEETS



BENCH MARK #105 EL. 820.45
TOP 1" x 3' IRON PIPE 27' LT. STA. 19+50
WHITE OAK CHURCH RD. & 1' W. OF FENCE LINE.

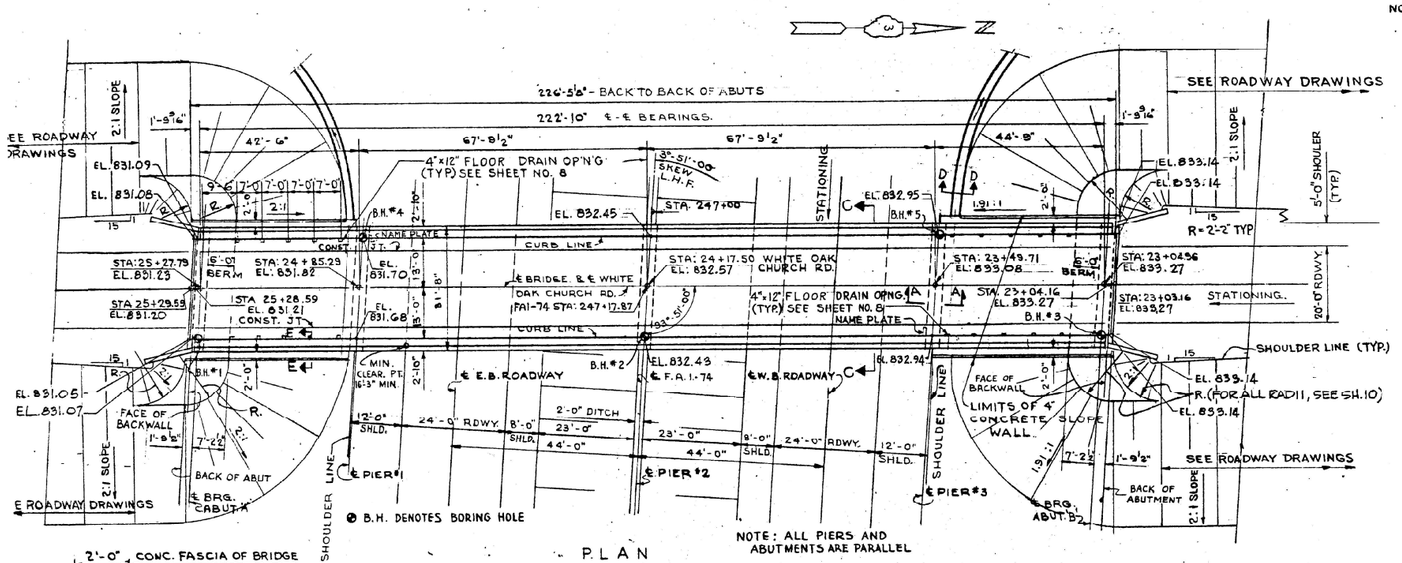
ELEVATION

SCALE: 1/16" = 1'-0"



DECK SECTION C-C

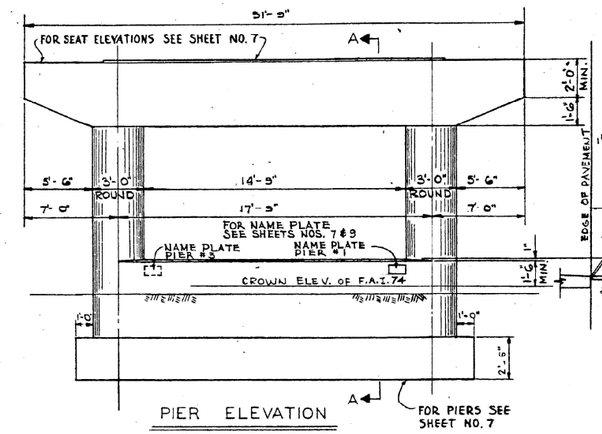
NORMAL TO ℄ WHITE OAK CHURCH ROAD
SCALE 1/4" = 1'-0"



PLAN

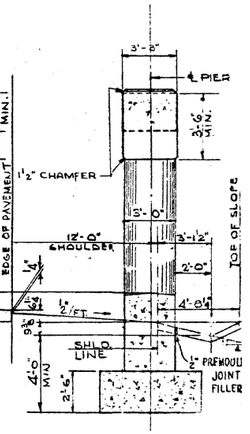
SCALE: 1/16" = 1'-0"

NOTE: ALL PIERS AND ABUTMENTS ARE PARALLEL



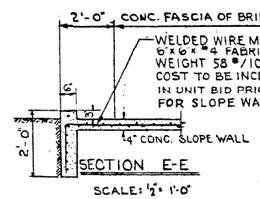
PIER ELEVATION

LOOKING SOUTH
SCALE 1/4" = 1'-0"



SECTION A-A

SCALE 1/4" = 1'-0"

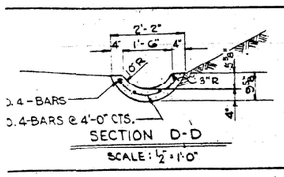


SECTION E-E

SCALE: 1/2" = 1'-0"

SOIL PRESSURE FOR PIERS ONLY

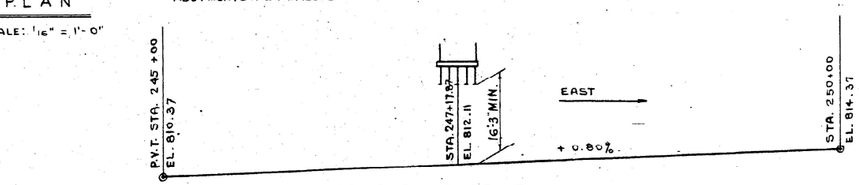
EXISTING SOIL PRESSURE	4300 P.S.F.
ALLOWABLE MAX. AVG. SOIL PRESSURE	6000 P.S.F.
EXISTING TOE PRESSURE	6350 P.S.F.
ALLOWABLE TOE PRESSURE	7800 P.S.F.



SECTION D-D

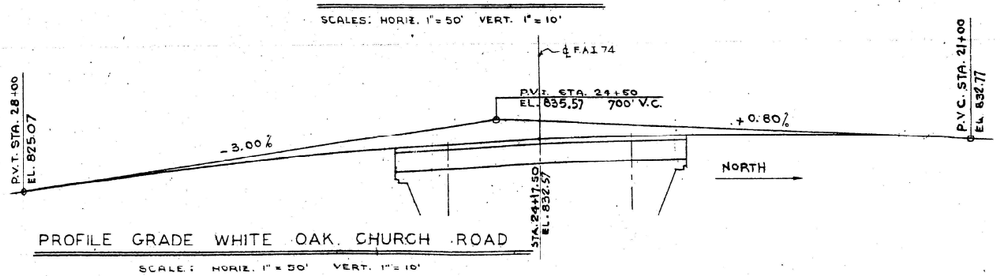
SCALE: 1/2" = 1'-0"

NOTE: THE 2'-2" PAVED DITCH WILL BE BUILT BY OTHERS BUT THE BRIDGE CONTRACTOR SHALL PLACE 4-#4 DOWEL BARS 1'-6" INTO THE EDGE OF THE SLOPE WALL, FOR THE FUTURE PAVED DITCH. THE REINFORCEMENT BARS WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE COST OF 4" SLOPE WALL.



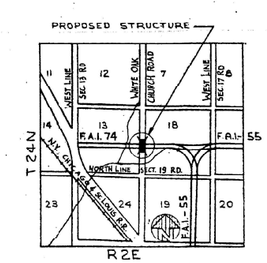
PROFILE GRADE F.A.I.-74

SCALES: HORIZ. 1" = 50' VERT. 1" = 10'



PROFILE GRADE WHITE OAK CHURCH ROAD

SCALE: HORIZ. 1" = 50' VERT. 1" = 10'



LOCATION PLAN

DESIGN LOADING: A.A.S.H.O. H15-S12

GENERAL PLAN & ELEVATION
F.A.I. 74 SECTION 57-19HB
F.A.I. 74 UNDER WHITE OAK CHURCH ROAD
MC LEAN COUNTY
STATION 247+17.87
SCALE: AS NOTED DATE:

DE LEUW, CATHER & CO., ENGINEERS
DESIGNED BY R.G. MEIER & H. HAKIMIAN
DRAWN BY H. HAKIMIAN, S. LEVY
CHECKED R.G. MEIER, J. GANZ
IN CHARGE L.N. RIAN, A.F. MOREL

Revision: Revised Deck To Curb Slab - Fla. Drainage From 4'x4'x4'12" 12/18/22 VDS

MODEL: $MODELNAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-cnt-AsBuilt.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/29/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

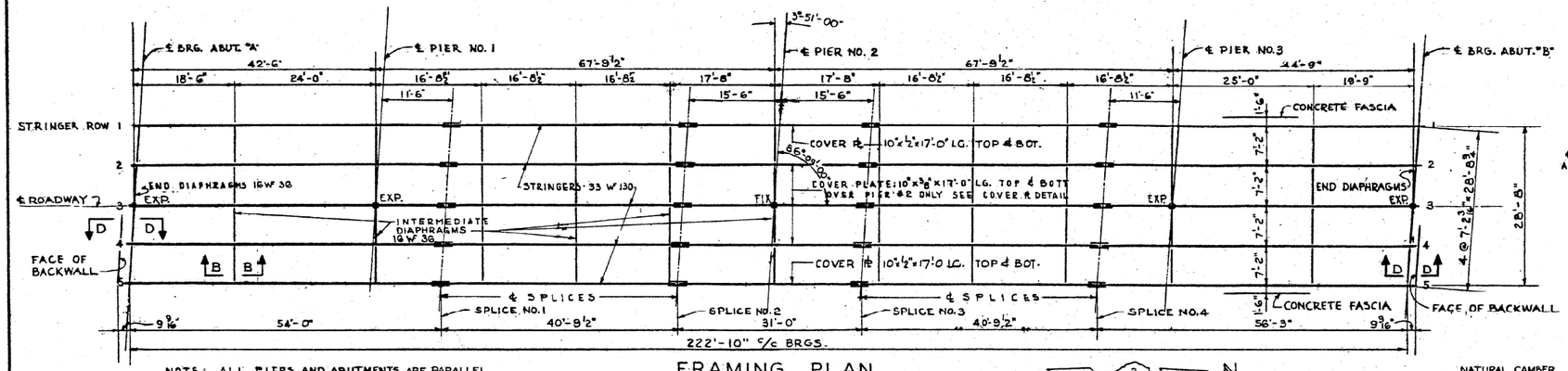
AS-BUILT PLANS
LOCATION #6 S.N. 057-0105

SCALE: NONE | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	29
†D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS FED. AID PROJECT		

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 74	57-19HB	MC LEAN	30	10
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

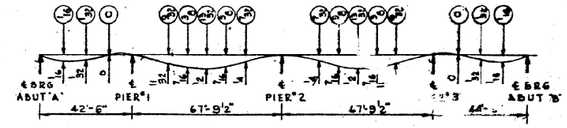
SHEET NO. 4
10 SHEETS



NOTE: ALL PIERS AND ABUTMENTS ARE PARALLEL

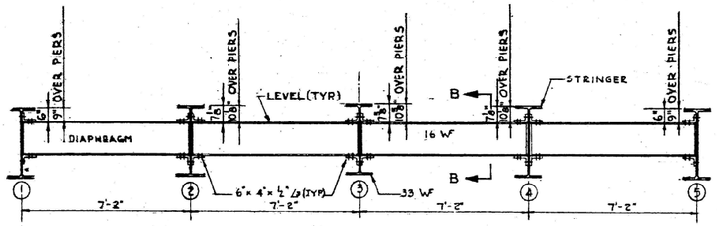
FRAMING PLAN

SCALE 3/32" = 1'-0"



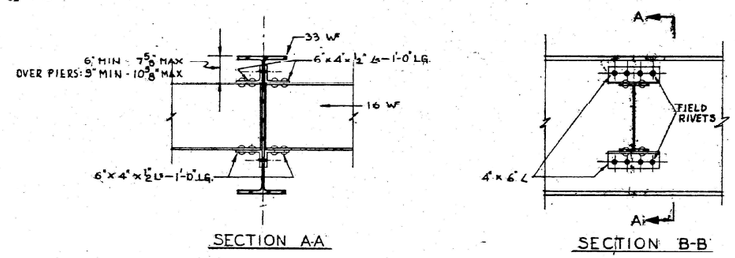
NOTE: ENCIRCLED FIGURES INDICATE DEFLECTION DUE TO WEIGHT OF CONCRETE SLAB, CURB AND PARAPET ON... DEFLECTION IS GIVEN AT MIDSPAN AND QUARTER POINTS FOR END SPANS MIDPOINT AND SIXTH POINTS FOR CENTER SPANS
SAME DEFLECTION FOR BOTH FASCIA & INTERIOR STRINGERS.

TOTAL ANTICIPATED DEAD LOAD DEFLECTION



INTERMEDIATE DIAPHRAGMS

SCALE: 5/8" = 1'-0"

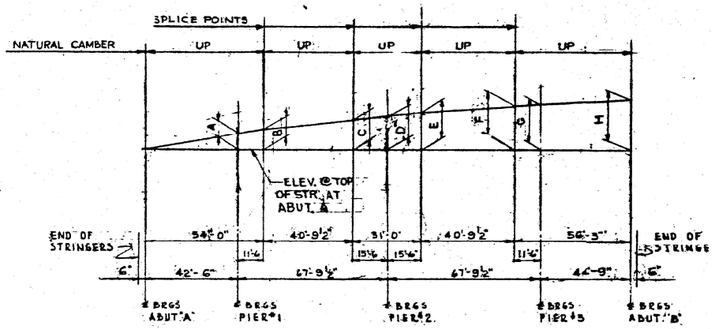


SECTION A-A

SECTION B-B

INTERMEDIATE DIAPHRAGM DETAILS

SCALE: 3/4" = 1'-0"



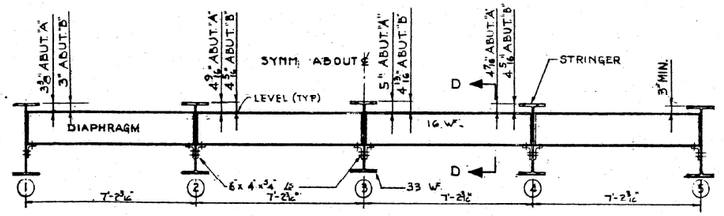
ELEV. @ ABUT. A & OFFSETS A, B, C, D, E, F, G & H ARE REFERRED TO TOP OF ROLLED SECTION OF STRINGER

STRINGER FABRICATION DIAGRAM

STRINGER NUMBERS	ELEV. @ TOP OF STR. AT ABUT. A	OFFSET TO TOP OF STR. A	B	C	D	E	F	G	H
1	830.503	6½"	8 5/16"	1'-1¾"	1'-3½"	1'-5 3/16"	1'-8¾"	1'-9 9/16"	2'-0 9/16"
2	.592								
3	.634								
4	.584								
5	.486	6½"	8 5/16"	1'-1¾"	1'-3½"	1'-5 3/16"	1'-8¾"	1'-9 9/16"	2'-0 9/16"

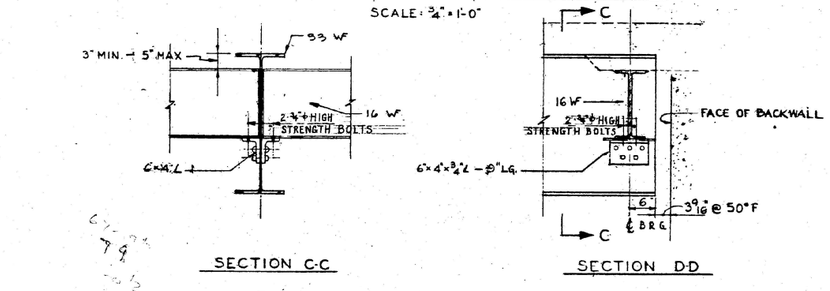
ELEVATIONS AT TOP OF STRINGERS AT:

STR. NO.	ABUT. A	PIER 1	SPLICE 1	SPLICE 2	PIER 2	SPLICE 3	SPLICE 4	PIER 3	ABUT. B
1	830.503	831.045	831.196	831.649	831.795	831.935	832.232	832.500	832.550
2	.592	.134	.285	.738	.884	832.024	.321	.389	.639
3	.634	.176	.327	.880	.926	.066	.363	.431	.681
4	.584	.126	.277	.730	.876	.016	.313	.381	.631
5	.486	.028	.179	.652	.778	831.918	.215	.283	.533



END DIAPHRAGMS

SCALE 3/8" = 1'-0"



SECTION C-C

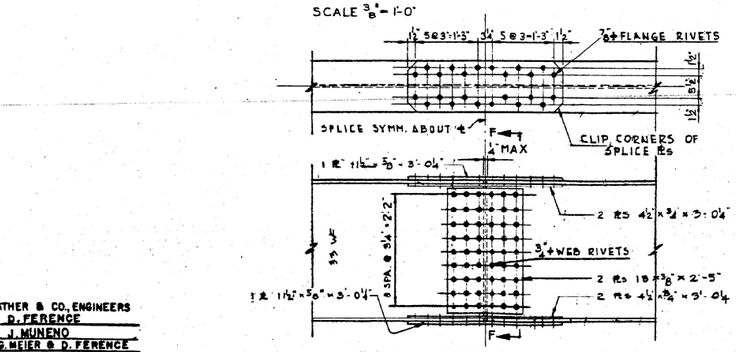
SECTION D-D

END DIAPHRAGM DETAILS

SCALE: 3/4" = 1'-0"

BILL OF MATERIAL

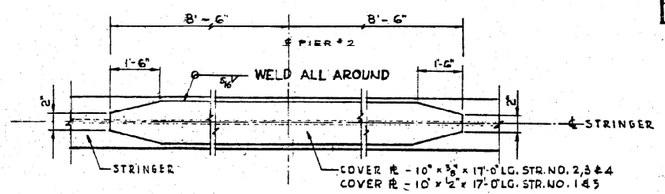
ITEM	UNIT	QUANTITY
FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	174,630



BEAM SPLICE DETAIL

SCALE: 3/4" = 1'-0"

SECTION F-F



COVER PLATE DETAIL (OVER PIER #2 ONLY)

SCALE: 3/4" = 1'-0"

DE LEUW, CATHER & CO. ENGINEERS
DESIGNED BY D. FERENCE
DRAWN BY J. MUNENO
CHECKED R.G. MEIER & D. FERENCE
IN CHARGE L.H. RIAN & A.F. MOREL

Rev: H.S. Bolt - End Diaph. 12/17/21 VBS

DECK FRAMING PLAN AND DETAIL
F.A.I. 74 SECTION 57-19HB
F.A.I. 74 UNDER WHITE OAK CHURCH ROAD
MC LEAN COUNTY
STATION 247+77.87
SCALE: AS NOTED DATE:

MODEL: $MODEL NAMES
FILE NAME: pw://ildot-pw.bentley.com:PWIDOT/Documents/IDOT Offices/District 5/Projects/D570E74/CADData/CADsheets/D570E74-sht-AsBuilts.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

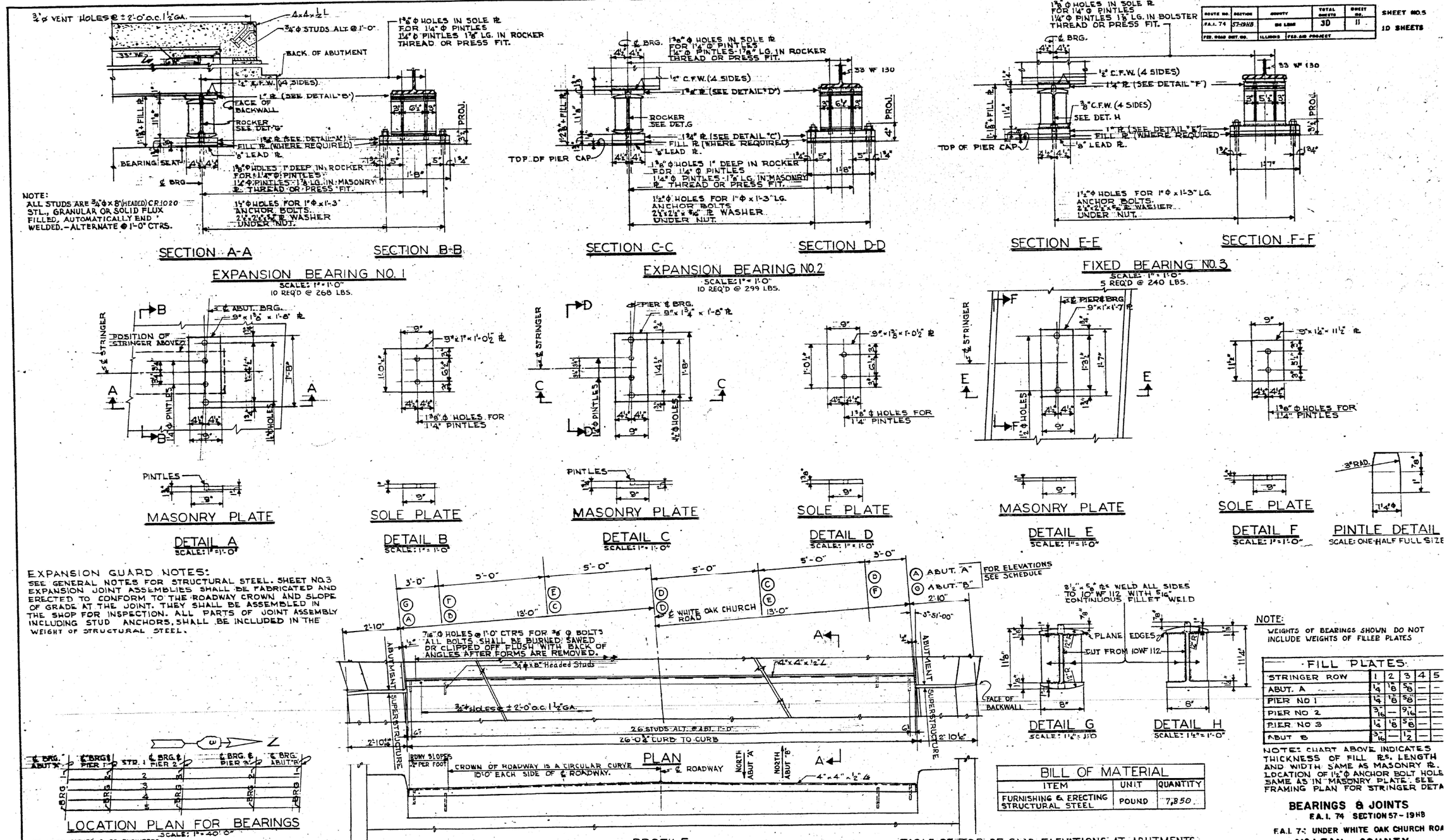
AS-BUILT PLANS
LOCATION #6 S.N. 057-0105

SCALE: NONE | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	30
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 74	57-19HB	MC LEAN	30	11
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. 5 OF 10 SHEETS



FILL PLATES

	1	2	3	4	5
STRINGER ROW					
ABUT. A	1/4	1/8	5/8	—	—
PIER NO 1	1/4	1/8	5/8	—	—
PIER NO 2	3/16	—	9/16	—	—
PIER NO 3	1/4	1/8	5/8	—	—
ABUT B	3/16	—	1/2	—	—

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
FURNISHING & ERECTING STRUCTURAL STEEL	POUND	7,850

TABLE OF TOP OF SLAB ELEVATIONS AT ABUTMENTS

FACE OF BACKWALL	A	B	C	D	E	F	G
ABUT. A	831.093	831.140	831.197	831.213	831.187	831.119	831.066
ABUT. B	833.141	833.191	833.252	833.272	833.250	833.186	833.136

DE LEUW, CATHER & CO., ENGINEERS
DESIGNED BY I. GANZ
DRAWN BY J. MUNENO
CHECKED R.G. MEIER & J. SEIFERT
IN CHARGE L.N. RIAN & A.F. MOREL

Rev. Rdwy & Slope Details 12/13/12 VDS
Rev. A.F. Seifert
Changed Struc. Steel from Scope - Tech

BEARINGS & JOINTS
F.A.I. 74 SECTION 57-19HB
F.A.I. 74 UNDER WHITE OAK CHURCH ROA
McLEAN COUNTY
STATION 247 + 17.87
SCALE: AS NOTED DATE:

MODEL: SMODEL NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADprojects\D570E74-sht-AsBuilt.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #6 S.N. 057-0105

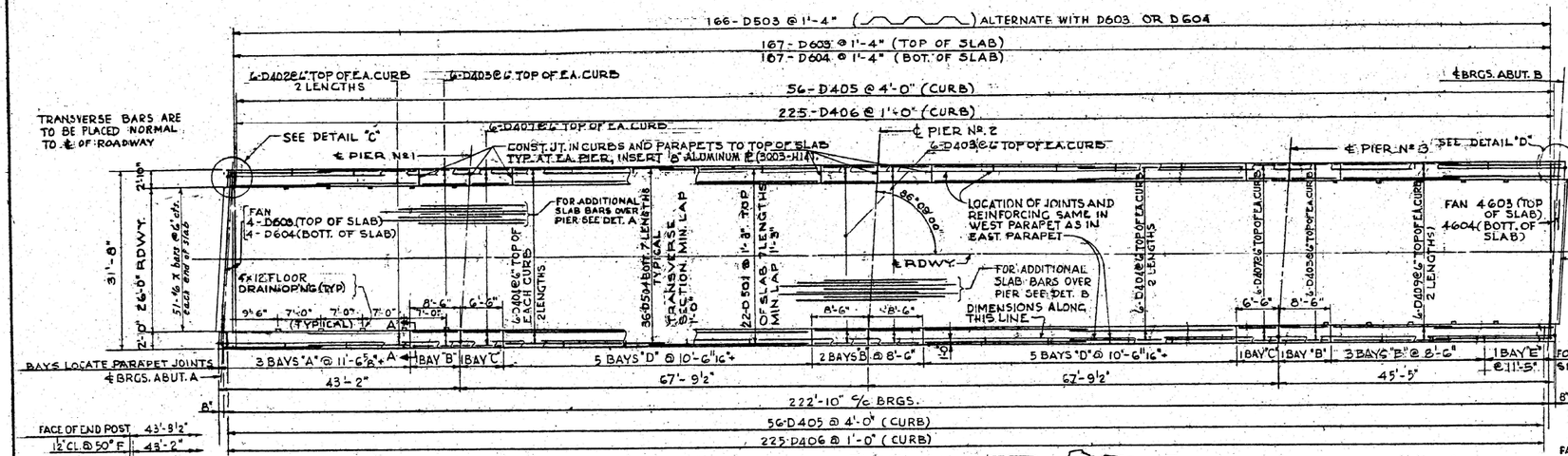
SCALE: NONE | SHEET 3 OF 4 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	31
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS FED. AID PROJECT		

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 74	57-19HB	MC LEAN	30	14
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

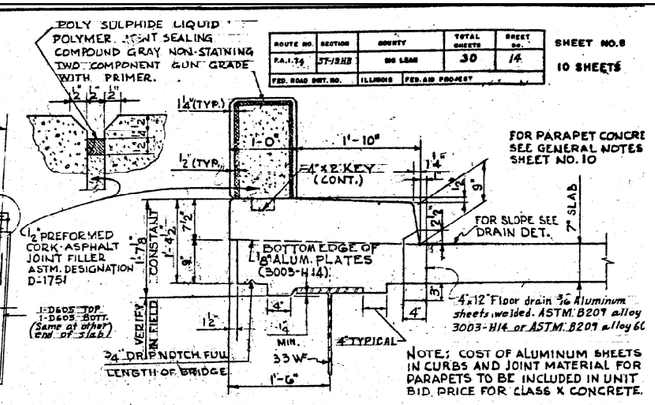
SHEET NO. 8

10 SHEETS



PLAN

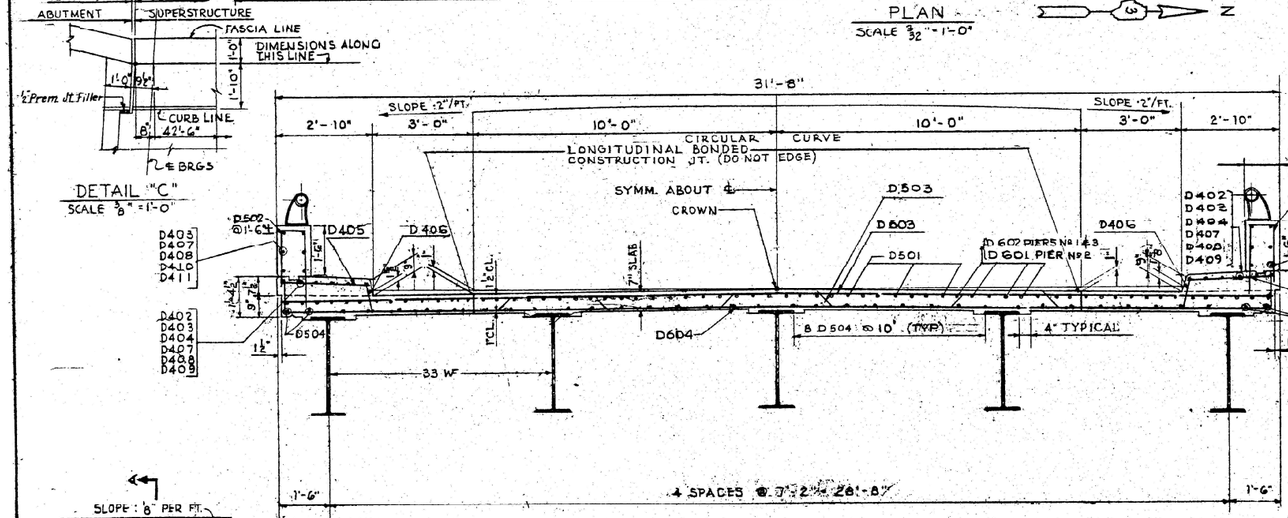
SCALE 3/32" = 1'-0"



SECTION A-A

CURB & FLOOR DRAIN DETAIL

SCALE: 1" = 1'-0"



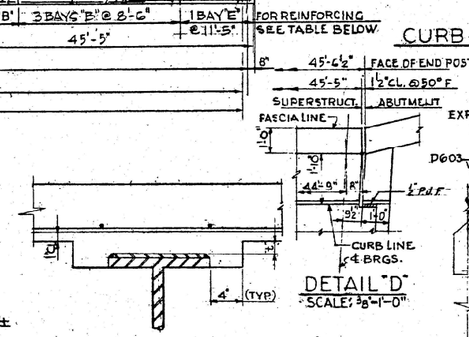
TYPICAL TRANSVERSE SECTION

SCALE: 1/2" = 1'-0"

AFTER ALL STRUCTURAL STEEL HAS BEEN ERECTED, ELEVATIONS OF THE TOP FLANGES OF THE BEAMS SHALL BE TAKEN AT INTERVALS NOT TO EXCEED 10 FEET. FROM THESE ELEVATIONS SUBTRACT THE INCREMENT OF DEFLECTION FOR THESE POINTS, DETERMINED FROM THE ENCIRCLED FIGURES OF D.L. * DEFLECTION DIAGRAM. THE ELEVATIONS SO ATTAINED, SUBTRACTED FROM THE THEORETICAL GRADE ELEVATIONS, MINUS SLAB THICKNESS, EQUALS THE FILLET HEIGHTS ABOVE TOP OF BEAM.* (SEE SHEET NO. 4 FOR D.L. DEFLECTION DIAGRAM).

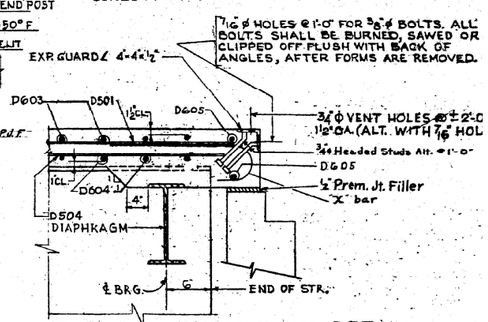
METHOD OF DETERMINING FILLET HEIGHTS — "t"

SCALE: 1 1/2" = 1'-0"



DETAIL "D"

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



TYPICAL EXPANSION DETAIL AT ABUTMENT

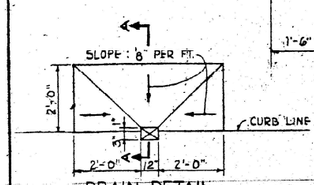
SCALE: 1" = 1'-0"

BILL OF BARS

BAR	No.	SIZE	LENGTH	SHAPE	WEIGHT
D402	24	4	17'-8"		283
D403	132	4	8'-2"		721
D404	48	4	26'-9"		858
D405	112	4	2'-6"		187
D406	450	4	1'-0"		301
D407	48	4	6'-2"		198
D408	12	4	11'-1"		89
D409	24	4	18'-10"		302
D410	36	4	11'-2"		269
D411	120	4	10'-3"		822
X	102	6	5'-0"		766
D501	154	5	33'-1"		5314
D502	350	5	5'-0"		1825
D503	166	5	32'-1"		5555
D504	252	5	32'-10"		8629
D601	42	6	20'-0"		1262
D602	84	6	17'-3"		2176
D603	175	6	31'-1"		8170
D604	175	6	33'-3"		8740
D605	4	6	25'-9"		155

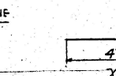
BILL OF MATERIAL

ITEM	UNIT	QUANTITY
CLASS X CONCRETE (STRUCTURES)	CU. YD.	219.1
REINFORCEMENT BARS (STRUCTURES)	POUND	46,620



DRAIN DETAIL

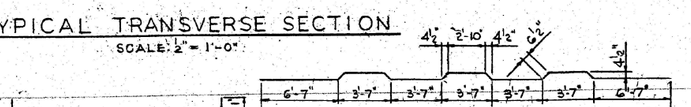
SCALE 1/2" = 1'-0"



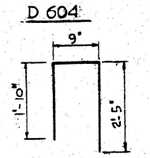
X BAR

REINFORCING IN PARAPET

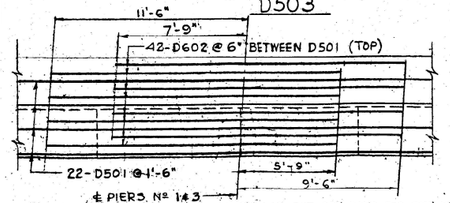
BAY	NO. OF BAY	NO. OF BARS PER BAY	BAR	TOTAL NO.
A	6	9	D502	54
		6	D410	36
B	14	7	D502	98
		6	D403	84
C	4	5	D502	20
		6	D407	24
D	20	8	D502	160
		6	D411	120
E	2	9	D502	18
		6	D408	12



D503

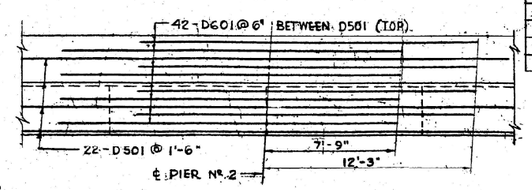


BAR D502



ADD. REINF. OVER PIER Nº 1 SHOWN, SIMILAR BUT OPP. HAND FOR PIER Nº 3

DETAIL A



DETAIL B

ADDITIONAL TOP BARS OVER PIERS

SCALE 1/4" = 1'-0"

DE LEUW, CATHER & CO., ENGINEERS
DESIGNED BY D. FERENCE
DRAWN BY S. LEVY
CHECKED R.G. MEIER & J. MUNEND
IN CHARGE L.N. RIAN, A.F. MOREL

SUPERSTRUCTURE-SLAB DETAIL

F.A.I. 74 SECTION 57-19HB

F.A.I. 74, UNDER WHITE OAK-CHURCH RO

McLEAN COUNTY

STATION 247 + 17.87

SCALE: AS NOTED DATE:

Rev: Re-bars D401 to D404 / count of "6" "X" bars / 8'-6" flr. drains to 4'x12" / Elev. of Re-bars D105 / Summ. of abut. bdg. "X" bar — / Bill of bars - D401 - out - D404, D605 "X" bars added / Bill of Mat'ls - Rev. cls "X" cu.yd. & Re-bars REQD. to 46620#. rh/sc/ll V01

MODEL: $MODEL NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\no\ect\D570E74\CAD\data\CAD\sheets\D570E74-sht-AsBuilt.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #6 S.N. 057-0105

SCALE: NONE | SHEET 4 OF 4 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	32
'D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

K.B00154T

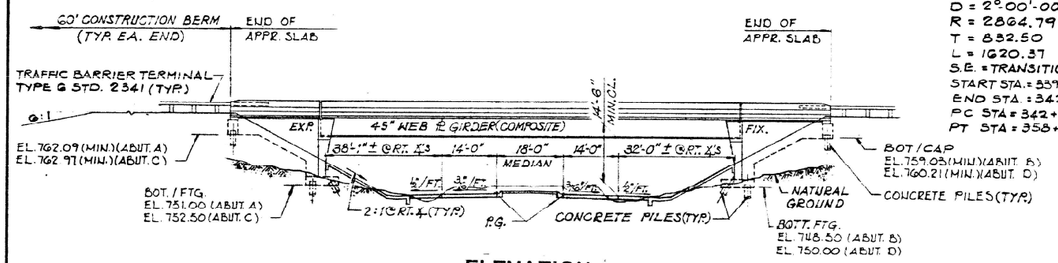
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 412	57-3HB-1	McLEAN	315	144
STA.		TO STA.		
F. HW. A. REG. NO. 4	ILLINOIS	PROJECT		

SHEET 1 OF 21

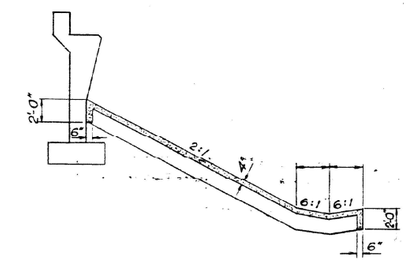
BENCH MARK: "D" CUT ON S.W. COR. OF BRIDGE OVER G MILE CR. ± 0.2 MILES WEST OF U.S. 51 ON HUDSON RD. EL. 744.04
EXISTING STRUCTURE : NONE

FAP 412
CURVE DATA

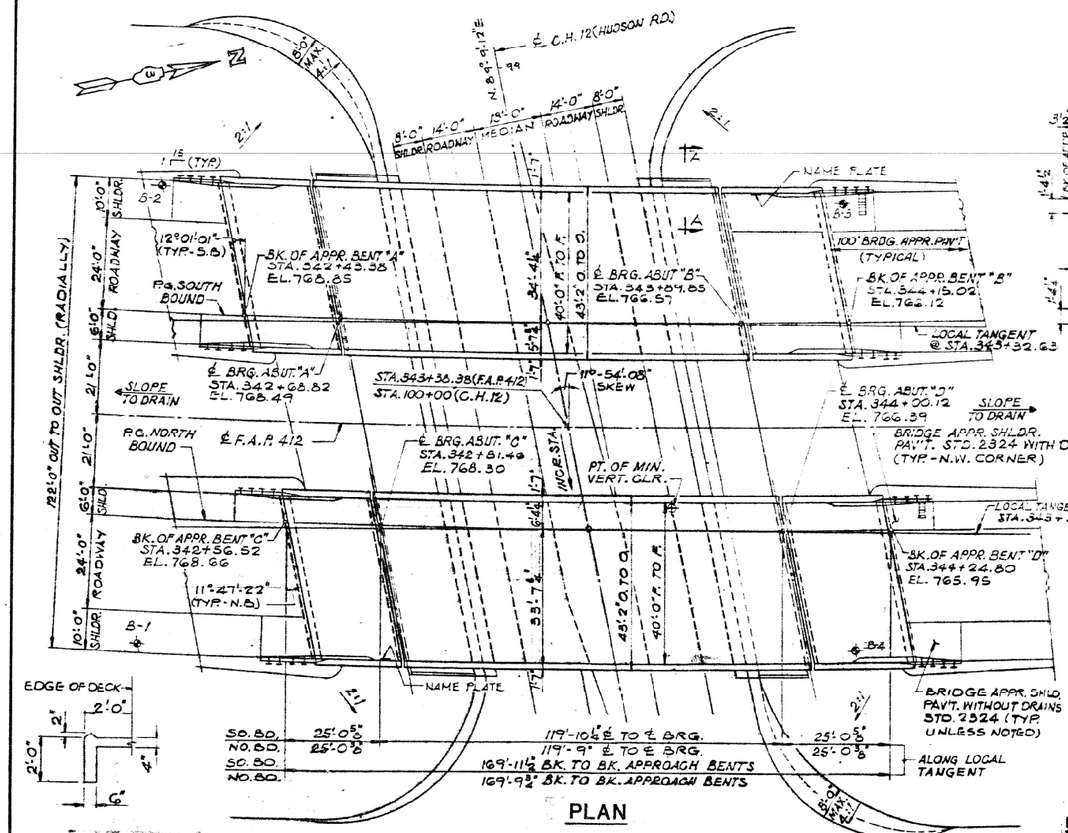
P.I. STA. 350+40.96
Δ = 32°+24'-27"
D = 2°00'-00"
R = 2864.79'
T = 832.50
L = 1620.37
S.E. = TRANSITION (.052'/')
START STA. = 339+85.13
END STA. = 342+95.13
PC STA = 342+08.46
PT STA = 358+28.83



ELEVATION

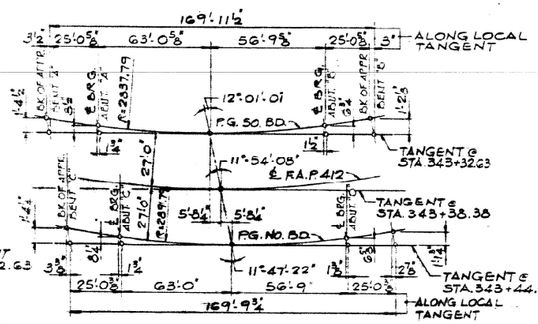


TYPICAL SECTION THRU SLOPEWALL

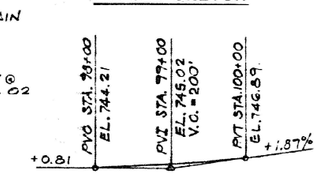


PLAN

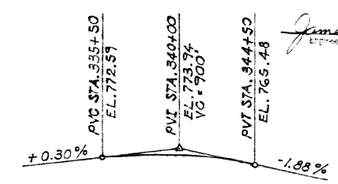
SECTION A-A



OFFSET SKETCH



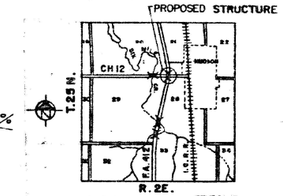
HUDSON RD. PROFILE
(ALONG MEDIAN EDGE OF PAVEMENT)



F.A.P. 412 PROFILE
(ALONG MEDIAN EDGE OF PAVEMENT)

INDEX OF SHEETS

APPROVED FOR STRUCTURAL ASSESSMENT ONLY
James T. Faulkner
ENGINEER OF BRIDGES AND STRUCTURES



LOCATION PLAN

THADDEUS D. ADAMIK
81-2502
REGISTERED STRUCTURAL ENGINEER
STATE OF ILLINOIS

DESIGN SPECIFICATIONS

AASHTO (1983) AND 1984, 1985 INTERIMS

LOADING HS20-44

ALLOW 25 #/SQ. FOR FUTURE WEARING SURFACE.

DESIGN STRESSES

F'c = 3,500 PSI
Fy = 60,000 PSI
Fy = 50,000 (STRUCTURAL STEEL, AASHTO M223 GR.50)
Fy = 36,000 PSI (AASHTO M183)

alfred benesch & company
CONSULTING ENGINEERS
300 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
JOB NO. 2203

GENERAL PLAN

F.A.P. ROUTE 412 OVER CH. 12

F.A.P. ROUTE 412 - SEC. 57-3HB-1
McLEAN COUNTY
STATION 343+38.38 (F.A.P. 412)
STRUCTURE NUMBER 057-0205 (S.B.) 057-0206 (N.B.)

ACME COPY CORP

USER NAME = eaglinga	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #7 & #8 S.N. 057-0205 & S.N. 057-0206

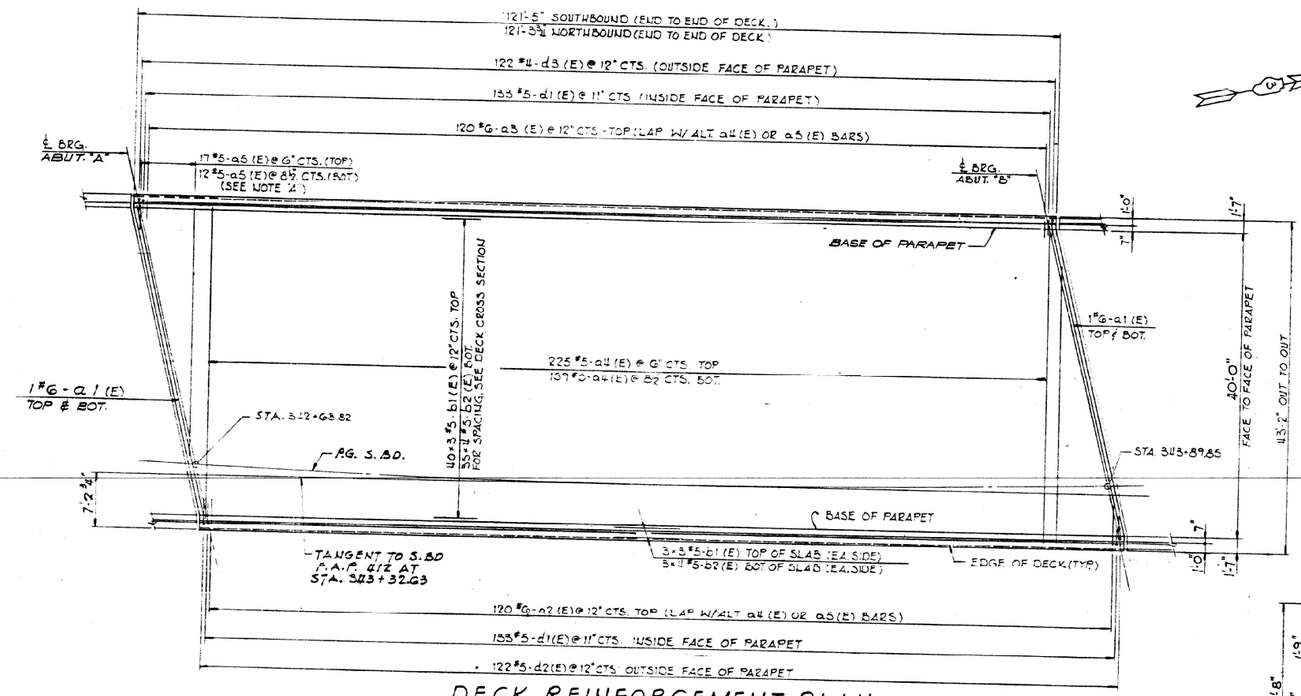
SCALE: NONE | SHEET 1 OF 4 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	McLEAN	50	33
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS FED. AID PROJECT		

MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D570E74\CADData\CADsheets\D570E74-cnt-AsBuilt.dgn

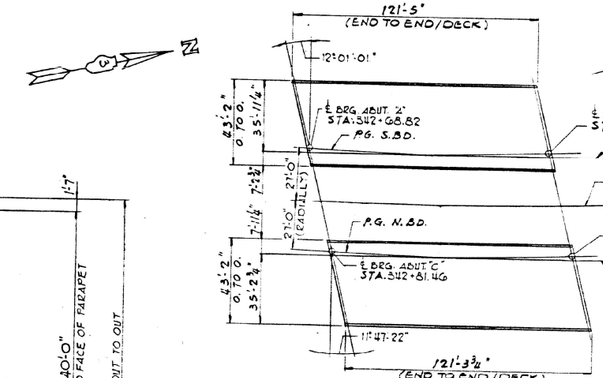
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 412/D7-3HB-1		McLEAN	315	147
STA.	TO STA.			
F. HW. A. REG NO. 4	ILLINOIS	PROJECT		

SHEET 4 OF 21

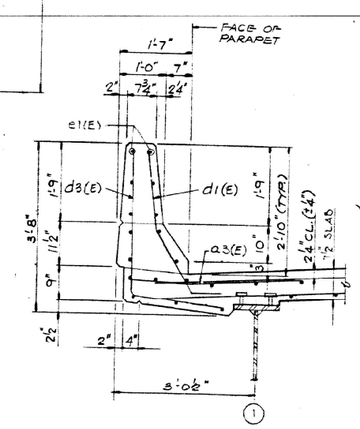


DECK REINFORCEMENT PLAN

(SOUTHBOUND SHOWN NORTHBOUND SIMILAR)

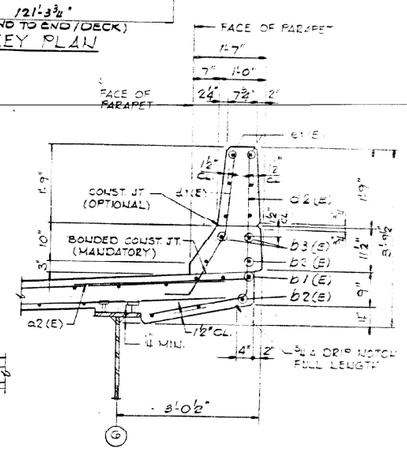


KEY PLAN



WEST PARAPET DETAIL

NOTE:
FOR DETAILS NOT SHOWN OR NOTED SEE EAST PARAPET DETAIL.

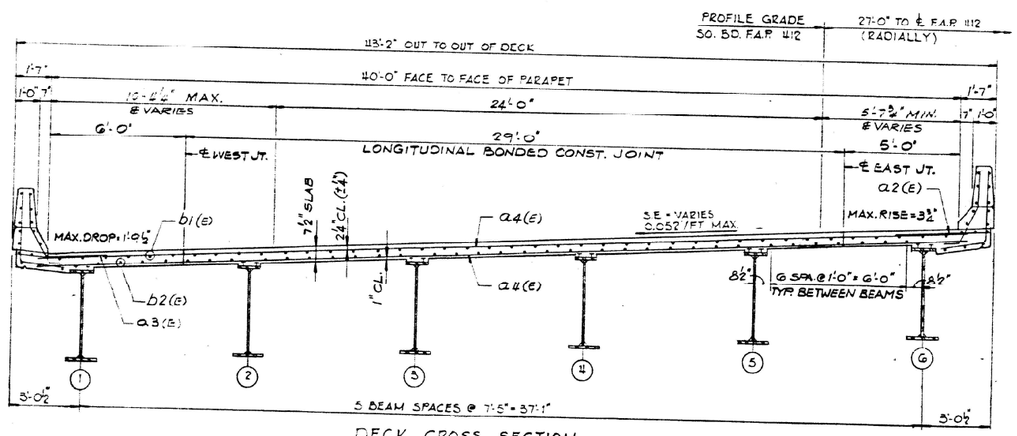


EAST PARAPET DETAIL

MIN. BAR LAPS
#5 BAR = 1'-9"

NOTE "A"
ORDER BARS FULL LENGTH AND CUT IN FIELD TO FIT SKEW. USE REMAINDER OF BARS IN OPPOSITE END OF DECK

NOTE:
40 x 3 #5-b (E) INDICATES 40 LINES OF BARS WITH 3 LENGTHS OF BARS PER LINE.
BARS DESIGNATED (E) SHALL BE EPOXY COATED



DECK CROSS SECTION

(LOOKING NORTH)

alfred benesch & company
CONSULTING ENGINEERS
200 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
JOB NO. 2203

DECK REINFORCEMENT PLAN

F.A.P. ROUTE 412 OVER CH. 12
F.A.P. ROUTE 412-SEC. 57-3HB-1
McLEAN COUNTY
STATION 343+38.38 (F.A.P. 412)
STRUCTURE NUMBER 057-0205 (S.B.) 057-0206 (N.B.)

USER NAME = eaglinga	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #7 & #8 S.N. 057-0205 & S.N. 057-0206

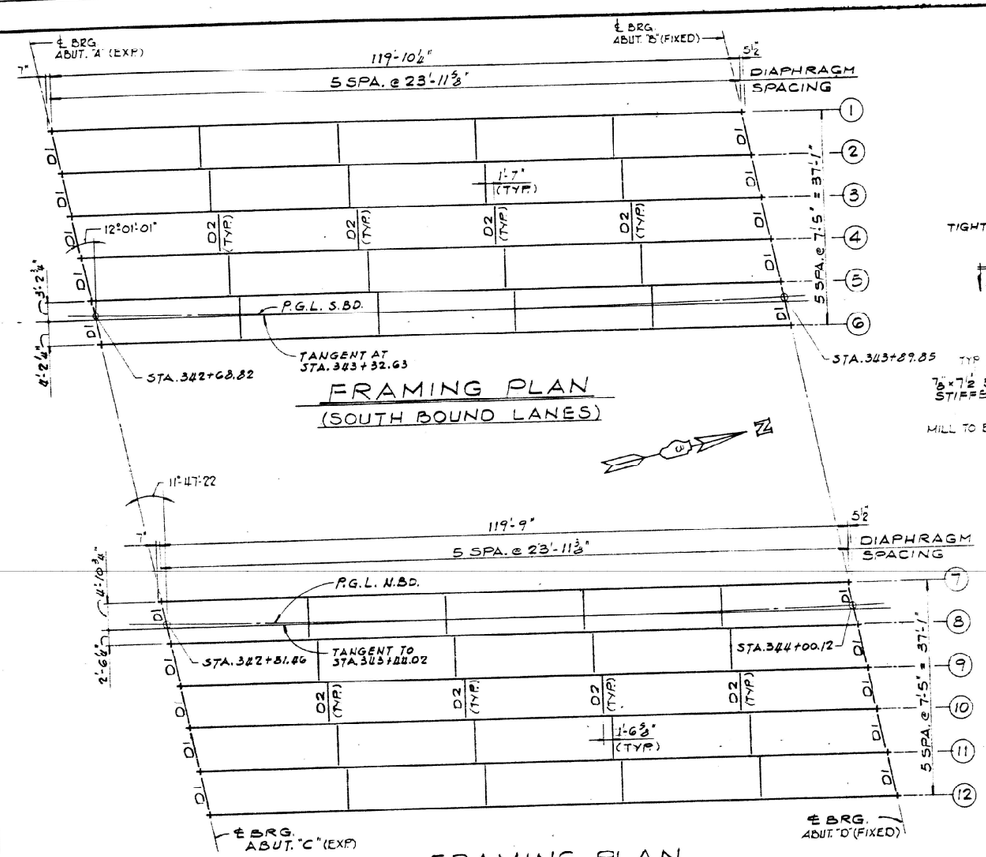
SCALE: NONE | SHEET 2 OF 4 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	McLEAN	50	34
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

MODEL: SMODEL NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADprojects\D570E74-sht-AsBuilt.dgn

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 412	57-3HB-1	McLEAN	310	152
STA		TO STA		
F.A.P. RTE. NO. 4	ILLINOIS	PROJECT		

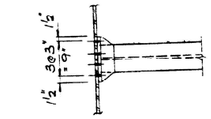
SHEET 9 OF 21



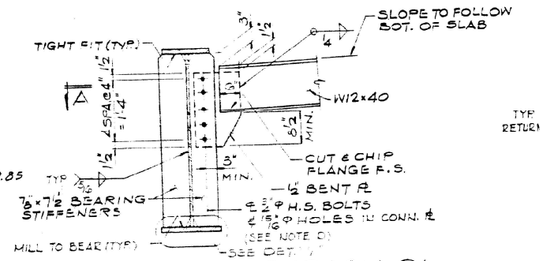
FRAMING PLAN
(SOUTH BOUND LANES)

FRAMING PLAN
(NORTH BOUND LANES)

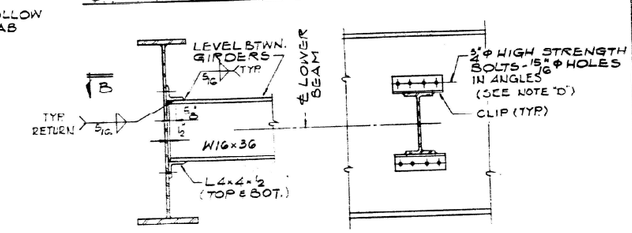
SECTION "A-A"



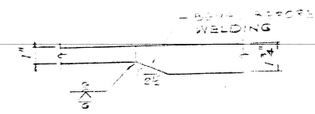
SECTION "B-B"



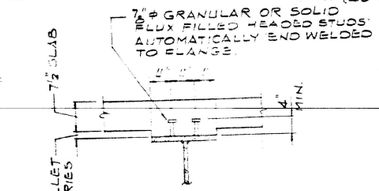
END DIAPHRAGM D1
(20 REQUIRED)



INTERIOR DIAPHRAGM D2
(40 REQUIRED)

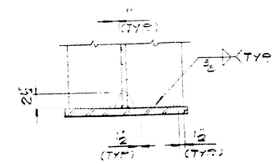


DETAIL "X"

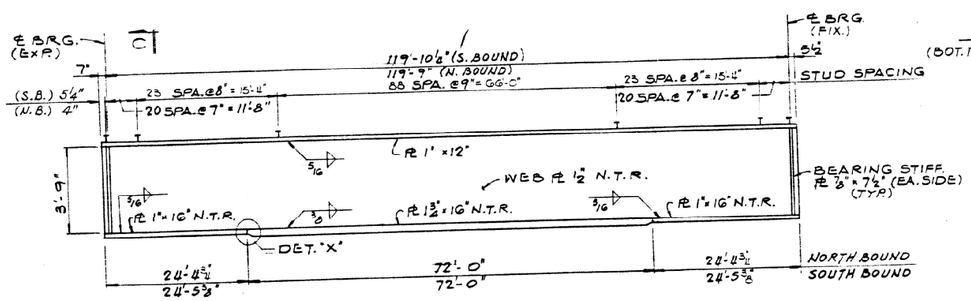


SECTION "C-C"

NOTE:
ALL DIAPHRAGMS, AND CONNECTION PLATES AND ANGLES SHALL BE AASHTO M183.



DETAIL "Y"
(BOT. FLANGE SHOWN - TOP FLANGE SIMILAR)



ELEVATION

NOTES:
A. N.T.R. DENOTES PLATES TO WHICH NOTCH TOUGHNESS REQUIREMENTS ARE APPLICABLE.
B. THE FLANGES, WEBS AND ALL BEARING STIFFENERS FOR ALL GIRDERS SHALL BE AASHTO M223, GRADE 50.
C. DIAPHRAGM D2 TO BE NORMAL TO GIRDER.
D. TWO HARDENED WASHERS SHALL BE USED OVER 15/16" Φ HOLES IN DIAPHRAGM ANGLES & CONNECTION PLS.
E. FOR BEARING STIFFENER DETAILS AT ABUTMENTS SEE END DIAPHRAGM D1 THIS SHEET.

alfred benesch & company
CONSULTING ENGINEERS
330 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601
JOB NO. 22203

FRAMING PLAN AND GIRDER ELEVATION

F.A.P. ROUTE 412 OVER CH.12

F.A.P. ROUTE 412-SEC. 57-3HB-1
McLEAN COUNTY
STATION 343+38.38 (F.A.P. 412)
STRUCTURE NUMBER 057-0205 (S.B.) 057-0206 (N.B.)

ACME COPY CORP.

MODEL: $MODELNAMES
FILE NAME: pw://ildot-pw.bentley.com:PWIDOT:Documents/IDOT Offices/District 5/projects/D570E74/CADData/CADsheets/D570E74-sht-AsBuilt.dgn

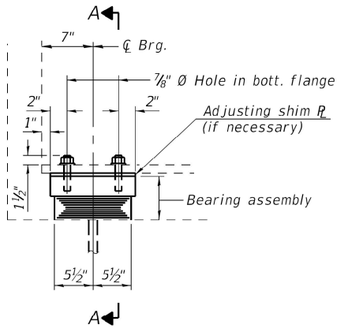
USER NAME = eaglinga	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

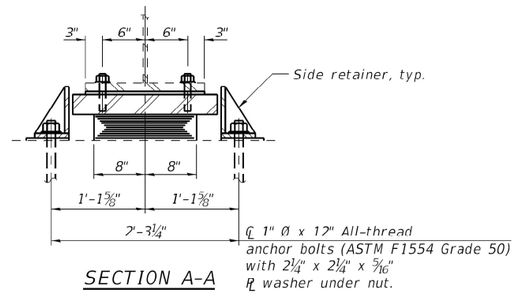
AS-BUILT PLANS
LOCATION #7 & #8 S.N. 057-0205 & S.N. 057-0206

SCALE: NONE | SHEET 3 OF 4 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	McLEAN	50	35
	†D5 BRIDGE PAINTING 2022-1	CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

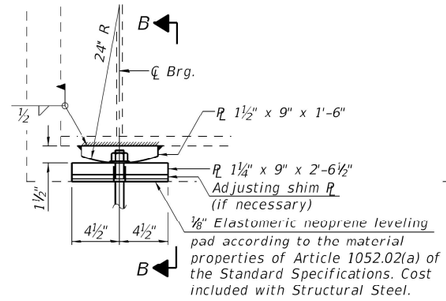


ELEVATION AT S. ABUT.

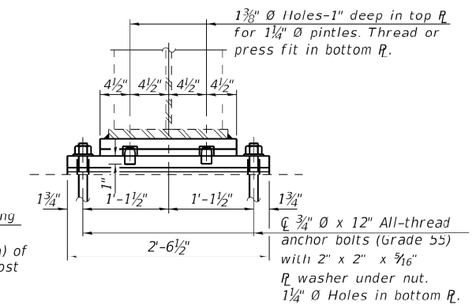


SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.
AT SOUTH ABUTMENTS

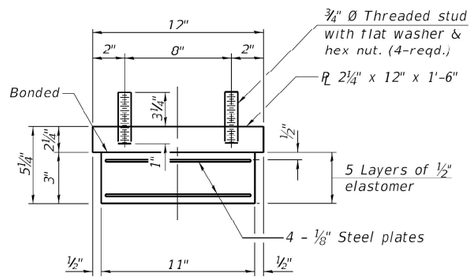


ELEVATION AT N. ABUT.



SECTION B-B

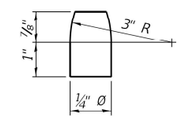
FIXED BEARING
AT NORTH ABUTMENTS



BEARING ASSEMBLY

Note:
Shim plates shall not be placed under bearing assembly.

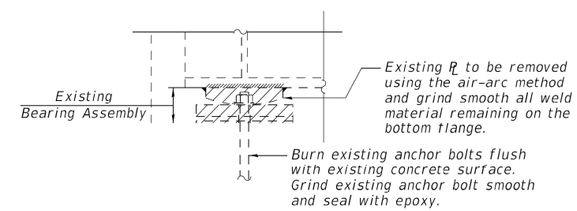
Notes:
Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.
New shim plates and connections bolts are included with Furnishing and Erecting Structural Steel.
Prior to ordering any material the contractor shall verify in the field all bearing height and shim thickness dimensions. Adjustment must account for deck heave due to pack rust (if present).
Min. jack capacity - 67 Tons.
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts maybe used in lieu of ASTM F1554 Grade 50 (Fy=50ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
All new structural steel shall be hot-dipped galvanized. See Special Provision for "Hot-Dip Galvanizing for Structural Steel".



PINTLE

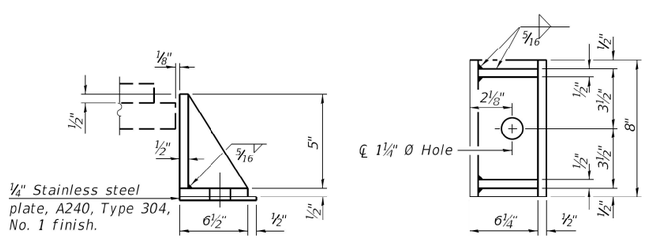
BEAM REACTIONS

RP	(k)	73.8
RL	(k)	49.7
Imp.	(k)	10.1
R_{Total}	(k)	133.6



EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and remove Existing Bearings.



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	12
Anchor Bolts 1"	Each	24
Anchor Bolts ¾"	Each	24
Jack and Remove Existing Bearings	Each	24
Furnishing and Erecting Structural Steel	Pound	2170

I-2E-1 6-15-2019

MODEL: $MODELNAME$
FILE NAME: $FILE$

CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB = 2596.1	DESIGNED - AAN	REVISED -	
FILE NAME = $FILE$$	CHECKED - MDC	REVISED -	
PLOT DATE = $DATE$	DRAWN - SJS	REVISED -	
	CHECKED - MDC	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS
STRUCTURE NO. 057-0205 (S.B.) & 0206 (N.B.)
SHEET 19 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	93
		CONTRACT NO. 70D65		
		ILLINOIS	FED. AID PROJECT	

MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-sht-AsBuilt-dtn

USER NAME = eaglinga	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/29/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #7 & #8 S.N. 057-0205 & S.N. 057-0206
SCALE: NONE SHEET 4 OF 4 SHEETS STA. TO STA.

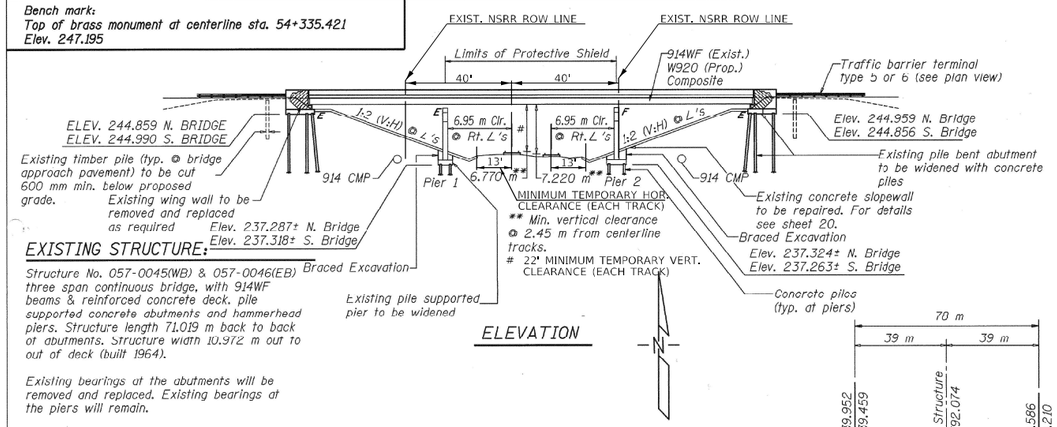
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	McLEAN	50	36
	*D5 BRIDGE PAINTING 2022-1	CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 74	*	McLEAN	72	42
FEDERAL ROAD DISTRICT NO. 7	ILLINOIS	PROJECT		

SHEET 1 OF 28

* (57-18)VBY

Bench mark:
Top of brass monument at centerline sta. 54+335.421
Elev. 247.195



EXISTING STRUCTURE:

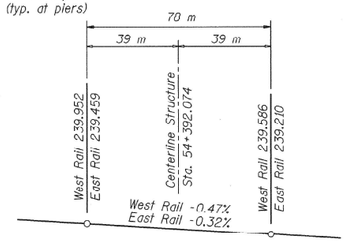
Structure No. 057-0045(WB) & 057-0046(EB) three span continuous bridge, with 914WF beams & reinforced concrete deck. pile supported concrete abutments and hammerhead piers. Structure length 71.019 m back to back of abutments. Structure width 10.972 m out to out of deck (built 1964).

Existing bearings at the abutments will be removed and replaced. Existing bearings at the piers will remain.

Remove and replace existing bridge deck and approach spans. remove existing substructure concrete (as required) for substructure widening, and widen superstructure. The existing structural steel and substructure will be incorporated in the new work. Construction will be staged.

No salvage.

ELEVATION

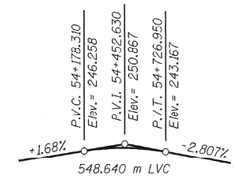


PROFILE OF RAILROAD

STATION 54+392.074
RE-BUILT 199_ BY
STATE OF ILLINOIS
FAI RT. 74 SEC (57-18)VBY
F.A. PROJ. _____
LOADING MS18 & ALT
STR. NO. *

NAME PLATE

Std. 515001
* 057-0046 Eastbound
057-0045 Westbound

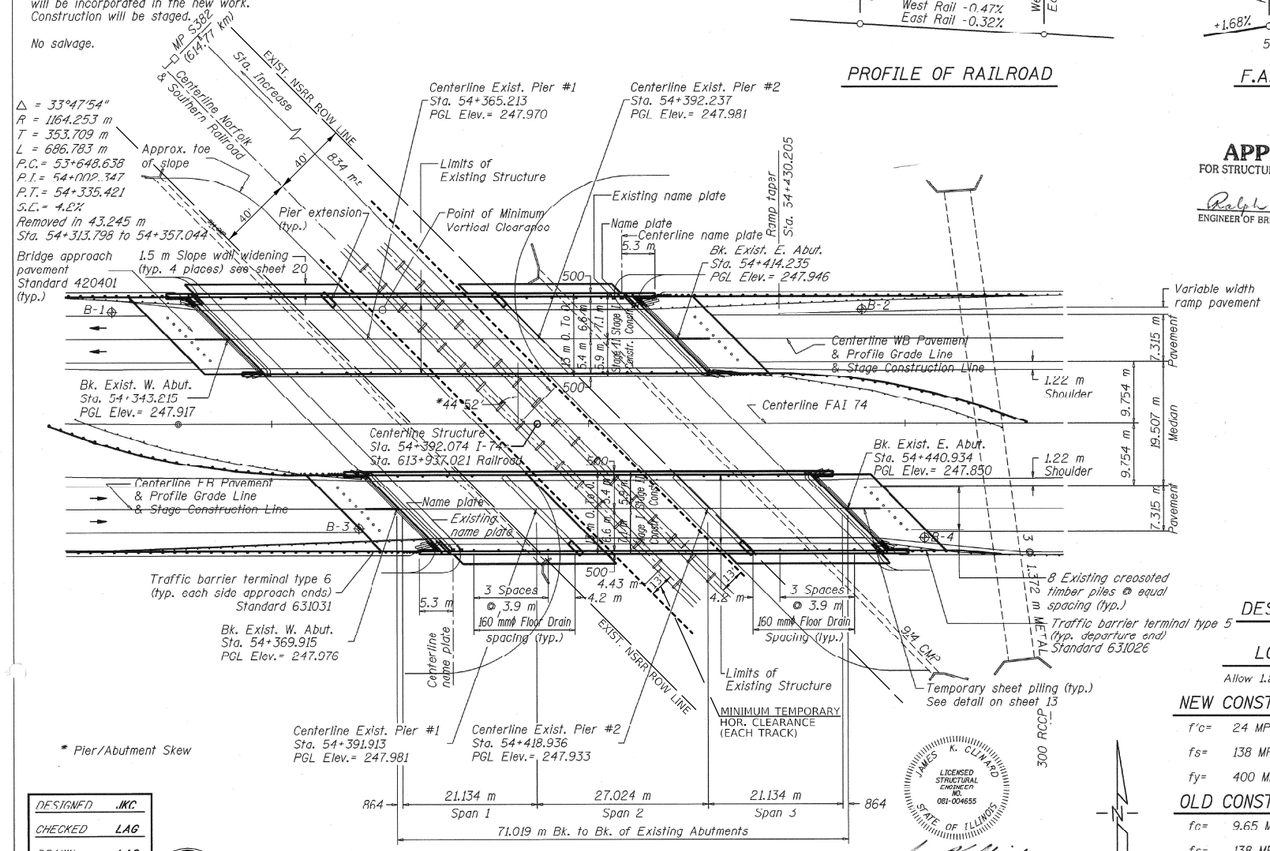


F.A.I. ROUTE 74

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

NOTES

1. Fasteners shall be high strength bolts. Bolts M20. open holes 22 mm ϕ. unless otherwise noted.
2. Calculated weight of Structural Steel = 45340 kg.
3. The inorganic zinc rich primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray. Munsell No 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the facia beams shall be Interstate Green. Munsell No. 7.5G 4/8.
4. 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 form the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.
5. Anchor bolts shall be set before bolting diaphragms over supports.
6. The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the wide flange beams and all splice plate material except fill plates.
7. Reinforcement bars shall conform to the requirements of AASHTO M-31M. M-42M or M-53M Grade 400.
8. Slope wall shall be reinforced with welded wire fabric. 152 x 152 - MW25.8 x MW25.8 with a weight of 2.91 kg/m.
9. Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
10. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 3 mm. Adjustment shall be either by grinding the surface or by shimming the bearing. Two 3 mm adjusting shims. of the dimensions of the bottom bearing plate. shall be provided for each bearing in addition to all other plates or shims. For Type 1 Elastomeric Bearings. shims of the dimensions of top plate shall be provided and placed as detailed.
11. The contractor shall drive 2 concrete test piles in a permanent location. one at west abutment westbound structure and one at pier 2 eastbound structure. as directed by the Engineer before ordering the remainder of the piles.
12. Bridge Seat Sealer shall be applied to the seat area of the abutments.
13. All dimensions are in millimeters (mm) except as noted.
14. Cleaning and painting of the existing structural steel shall be as specified in the Special Provision for "Cleaning and Painting Existing Steel Structures". All existing structural steel within 1.5 m of either side of expansion joints shall be cleaned by Method 1. The exterior and the bottom flange of both fascia beams shall be cleaned by Method 3. The aluminum epoxy mastic / acrylic paint system shall be used for painting of existing structural steel. The color of the final finish coat shall be Interstate Green. Munsell No. 7.5G 4/8.
15. Clean and relocate existing name plate adjacent to new plate. Cost included with name plates.
16. For Stage 11 Deck Pour. Finishing Machine Rail near the centerline shall be located on the beam in the deck pour.
17. The concrete for bridge floors finished in accordance with Article 503.17 of the Standard Specifications. shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The finishing machine. when required. shall be set parallel to the skew for striking off and screeding the concrete.



PLAN

DESIGNED	JKC
CHECKED	LAG
DRAWN	LAG
CHECKED	JKC

chamlin & associates, inc.
3017 fifth street
peru, il 61354

LICENSED STRUCTURAL ENGINEER NO. 081-004655 JAMES K. CLINARD STATE OF ILLINOIS
9/25/97
JAMES K. CLINARD EXP. 11/98

SEISMIC DATA

S.P.C. A
A = 0.045g
S = 1.0

DESIGN SPECIFICATIONS

1996 AASHTO

LOADING MS18 & ALT.

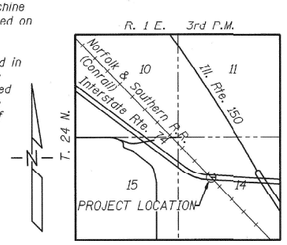
Allow 1.2kN/m² for future wearing surface

NEW CONSTRUCTION DESIGN STRESSES

f'c= 24 MPa
fs= 138 MPa (New structural steel M270 GR 250)
fy= 400 MPa (Reinf.)

OLD CONSTRUCTION DESIGN STRESSES

fc= 9.65 MPa
fs= 138 MPa (Rein.)
fs= 138 MPa (Structural Steel)



LOCATION SKETCH

GENERAL PLAN
FAI ROUTE 74 OVER NORFOLK SOUTHERN R.R. (CONRAIL.
FAI ROUTE 74 SEC. (57-18) VBY
STA. 54+392.074 (FAI 74)
McLEAN COUNTY
057-0046 (EB.) & 057-0045 (W.B.)

11037.02Y-1

MODEL: $MODEL NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-sht-AsBuilts.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/29/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

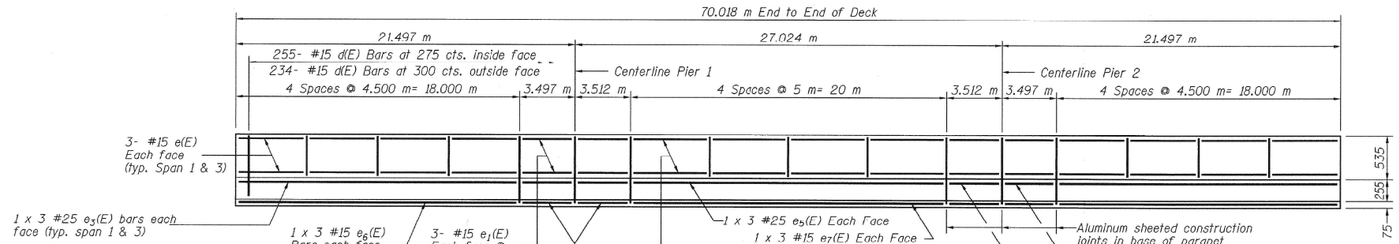
AS-BUILT PLANS
LOCATION #9 & #10 S.N. 057-0045 & S.N. 057-0046

SCALE: NONE | SHEET 1 OF 8 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	McLEAN	50	37
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
	ILLINOIS	FED. AID PROJECT		

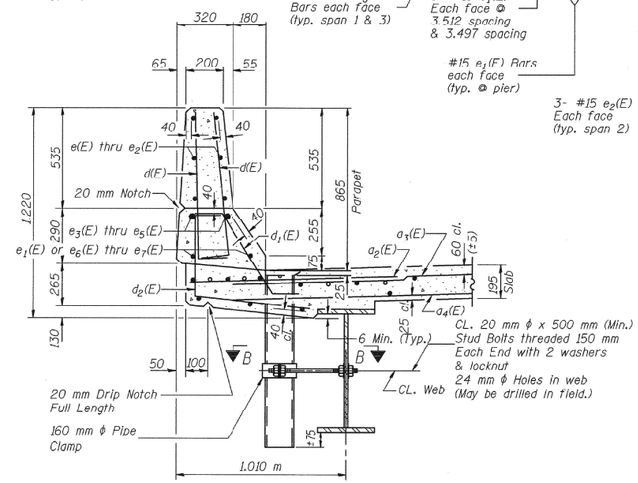
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(57-18) VBY	McLEAN	72	48
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET 7 OF 28

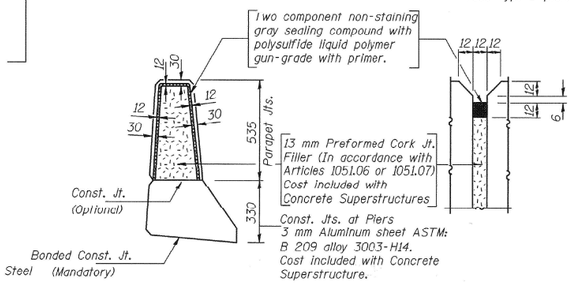


INSIDE ELEVATION OF PARAPET

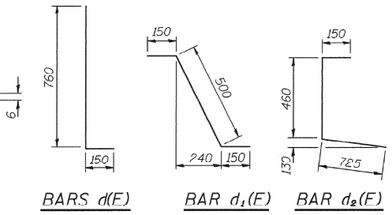
Min Lap #15 Bar= 640
Min Lap #25 Bar= 1.320 m

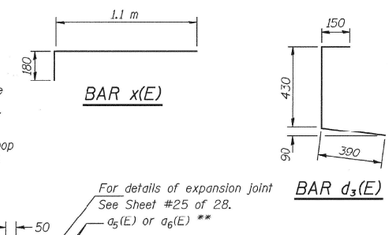


SECTION THRU MEDIAN PARAPET



PARAPET JOINT DETAILS





Notes:

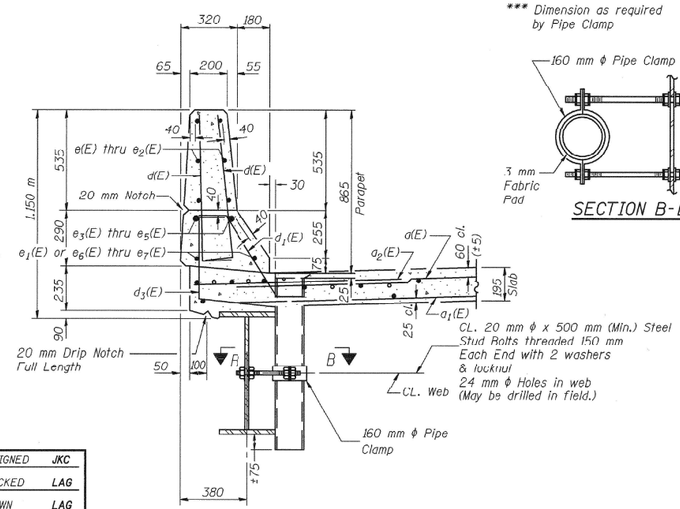
The exterior surfaces of the Floor Drain shall be painted with the finish coat as specified in the Special Provision for Cleaning and Painting New Metal Structures. The exterior surfaces of the drain shall be cleaned and given a washcoat pretreatment in accordance with Steel Structures Painting Council's Spec. SSPC-SP1 & SSPC-Paint 27 prior to painting.

Fiberglass pipe shall conform to ASTM: D2996, with short-time rupture strength hoop tensile stress of 200 MPa minimum. The surface of the Fiberglass pipe shall be free of bond inhibiting agents.

All dimensions are in millimeters (mm) except as noted.

BILL OF MATERIAL
TWO SUPERSTRUCTURES

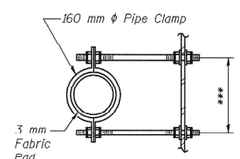
Bar	No.	Size	Length (m)	Shape
d(E)	1448	#15	7.000	
a_2(E)	824	#20	1.200	
a_3(E)	1448	#15	5.800	
a_5(E)	8	#15	7.600	
a_6(E)	16	#15	4.950	
b(E)	828	#15	8.350	
b_1(E)	516	#20	5.030	
b_2(E)	800	#15	7.580	
d(E)	1956	#15	0.910	
d_1(E)	1020	#15	0.800	
d_2(E)	468	#15	1.335	
d_3(E)	468	#15	0.970	
e(E)	192	#15	4.425	
e_1(E)	128	#15	3.450	
e_2(E)	96	#15	4.950	
e_3(E)	48	#25	6.880	
e_4(E)	32	#25	3.450	
e_5(E)	24	#25	7.545	
e_6(E)	48	#15	6.425	
e_7(E)	24	#15	7.090	
x(E)	160	#15	1.280	
Reinforcement Bars, Epoxy Coated			kg	70190
Concrete Superstructures *			m^3	489



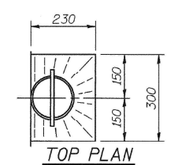
SECTION THRU OUTSIDE PARAPET

Drains shall be located clear of all diaphragms

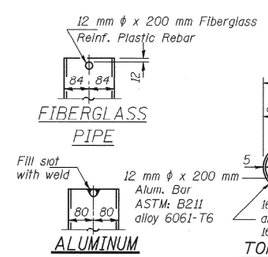
*** Dimension as required by Pipe Clamp

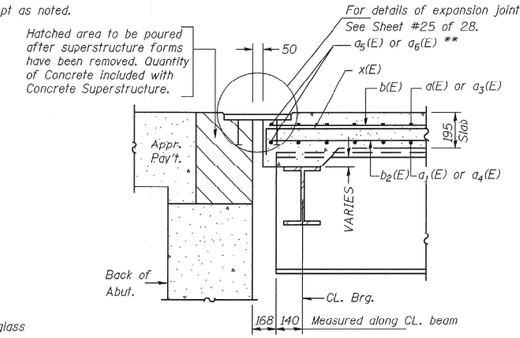


SECTION B-B



TOP PLAN





SECTION A-A

**Place a_5(E) and a_6(E) bars in back of anchor bolt if required to maintain 25 mm cl. anchor bolts should be tied to a_5(E) and a_6(E) bars.

Reinforcement bars designated (E) shall be epoxy coated.

Bars indicated thus 1 x 10 - #15 etc. indicates 1 line of bars with 10 lengths per line.

All dimensions are in millimeters (mm) except as noted.

* Includes 17.6 m^3 from Hatched Area and Abutment Wingwalls.

DESIGNED	JKC
CHECKED	LAG
DRAWN	LAG
CHECKED	JKC

SUPERSTRUCTURE DETAILS
FAI ROUTE 74 OVER NORFOLK SOUTHERN R.R. (CONRAIL)
FAI ROUTE 74 SEC. (57-18) VBY
STA. 54+392.074 (FAI 74)
McLEAN COUNTY
057-0046 (EB.) & 057-0045 (W.B.)

11037.02Y-1

MODEL: $MODEL NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-sht-AsBuilts.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/29/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #9 & #10 S.N. 057-0045 & S.N. 057-0046

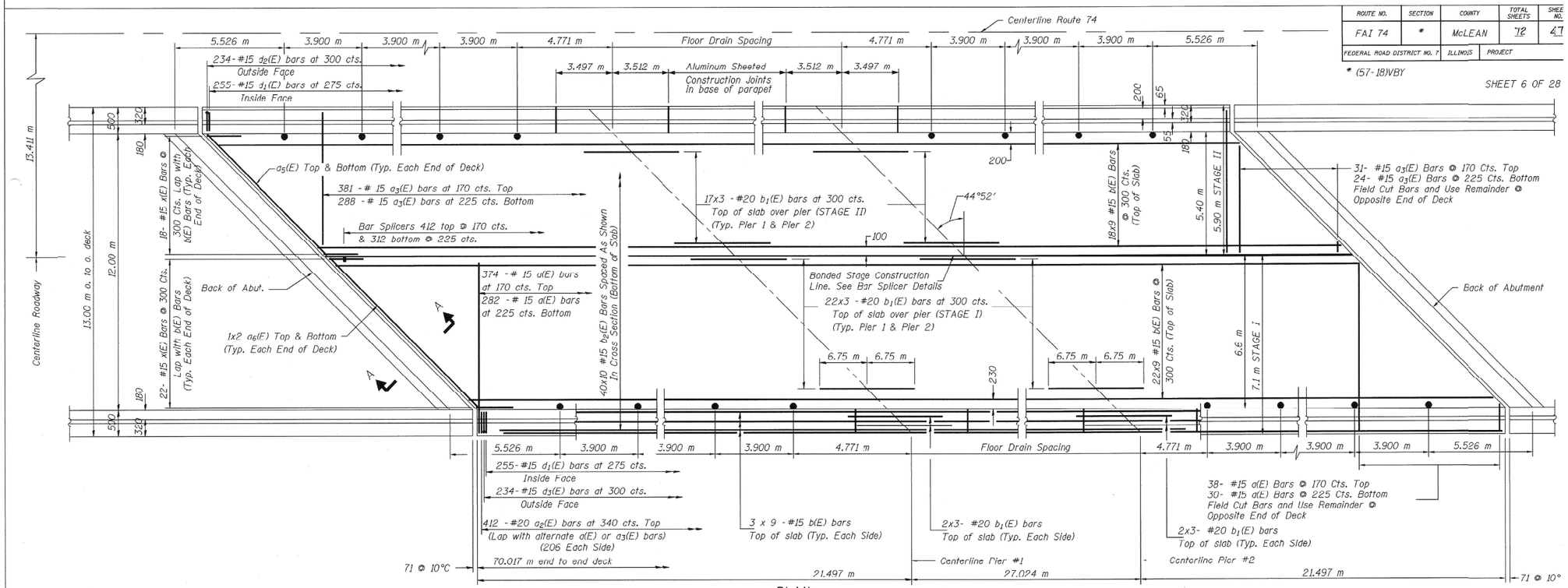
SCALE: NONE | SHEET 3 OF 8 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	38
	*D5 BRIDGE PAINTING 2022-1	CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 74	*	McLEAN	72	47
FEDERAL ROAD DISTRICT NO. 7	ILLINOIS	PROJECT		

* (57-18)VBY

SHEET 6 OF 28



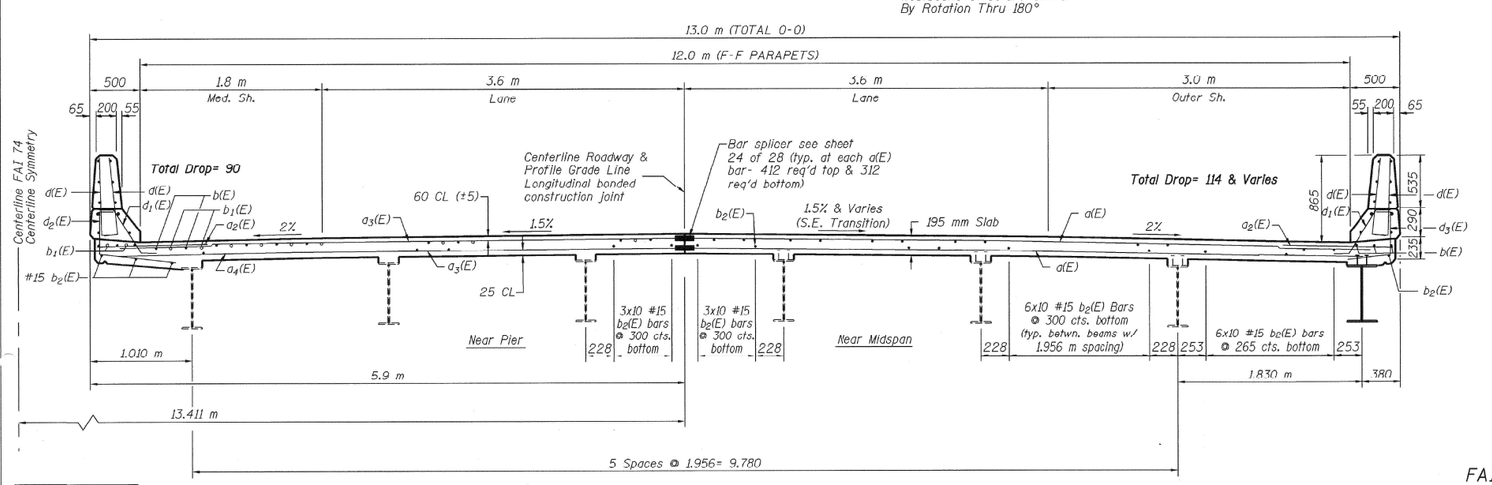
PLAN

Eastbound Structure Shown

Westbound Structure Similar By Rotation Thru 180°

MIN. LAP #15 BAR= 640
MIN. LAP #20 BAR= 790

FOR EASTBOUND — FOR WESTBOUND



CROSS SECTION

(Looking East for Eastbound)
(Looking West for Westbound)

Notes: See Sheet #7 of 28 for superstructure details, Section A-A and Bill of Material.
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 20 x 10-#15 etc. indicates 20 lines of bars with 10 lengths per line.
See Sheet # 7 of 28 for parapet reinforcement.
All dimensions are in millimeters (mm) except as noted.

DESIGNED	JKC
CHECKED	LAG
DRAWN	LAG
CHECKED	JKC

SUPERSTRUCTURE PLAN AND CROSS SECTION
FAI ROUTE 74 OVER NORFOLK SOUTHERN R.R. (CONRAIL)
FAI ROUTE 74 SEC. (57-18) VBY
STA. 54+392.074 (FAI 74)
McLEAN COUNTY
057-0046 (EB.) & 057-0045 (W.B.)

11037.02Y-1

MODEL: SMODEL NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-sht-AsBuilts.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/29/2021	DATE -	REVISED -	

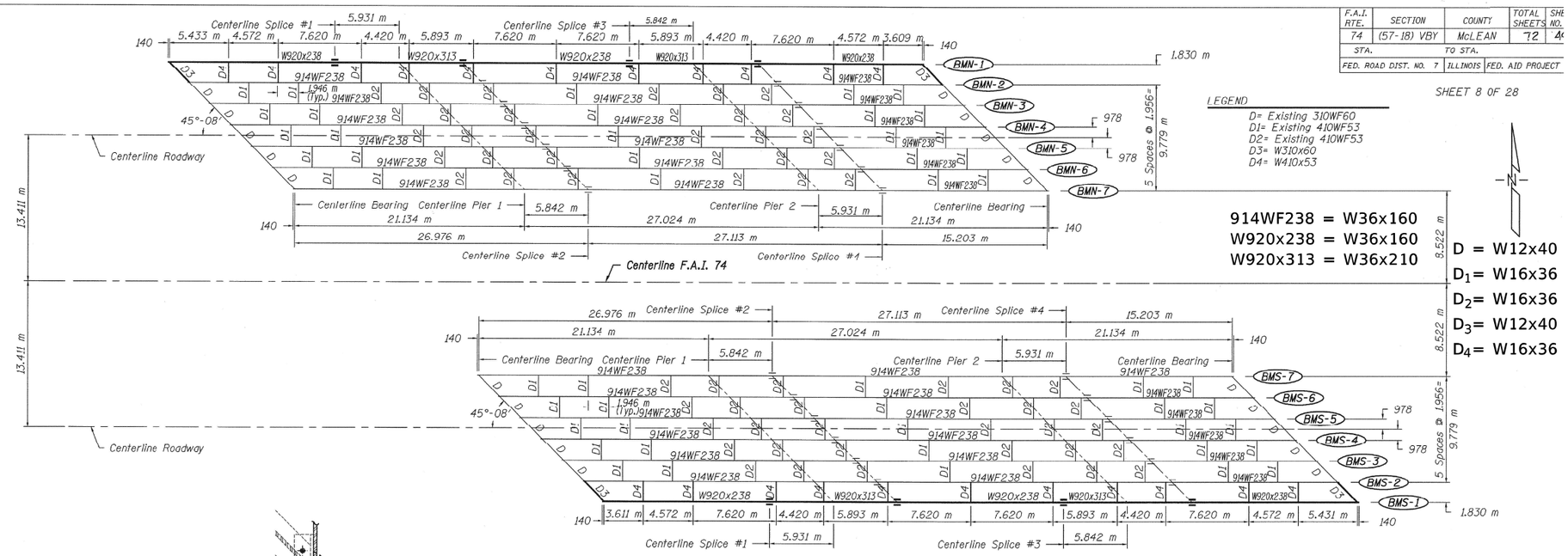
AS-BUILT PLANS
LOCATION #9 & #10 S.N. 057-0045 & S.N. 057-0046

SCALE: NONE | SHEET 2 OF 8 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	McLEAN	50	39
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(57-18) VBY	McLEAN	72	4
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

SHEET 8 OF 28



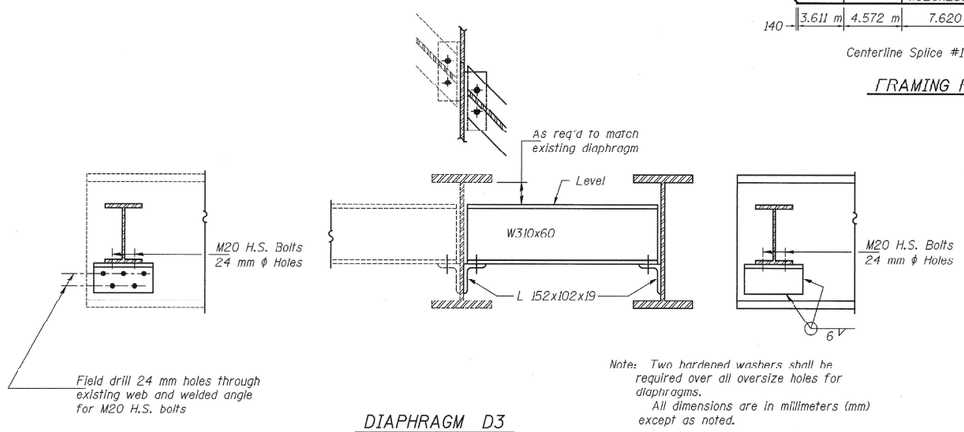
LEGEND

D= Existing 310WF60
D1= Existing 410WF53
D2= Existing 410WF53
D3= W310x60
D4= W410x53

914WF238 = W36x160
W920x238 = W36x160
W920x313 = W36x210

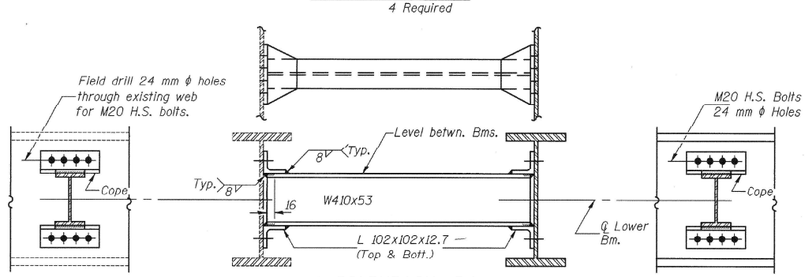
D = W12x40
D_1= W16x36
D_2= W16x36
D_3= W12x40
D_4= W16x36

FRAMING PLAN

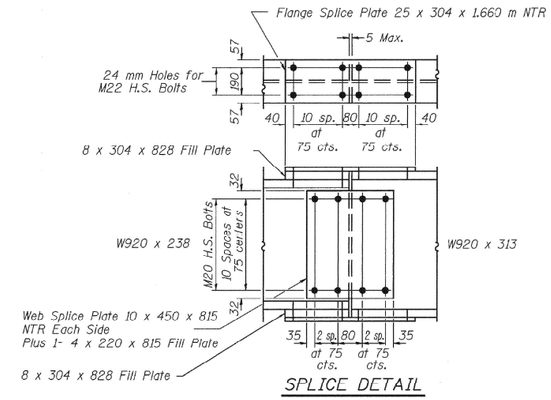


Note: Two hardened washers shall be required over all oversize holes for diaphragms.
All dimensions are in millimeters (mm) except as noted.

DIAPHRAGM D3
4 Required



DIAPHRAGM D4
22 Required



SPLICE DETAIL

Note:
All new beams and splice plates shall be NTR (notch toughness - zone 2)

FRAMING PLAN
FAI ROUTE 74 OVER NORFOLK SOUTHERN R.R. (CONRAIL)
FAI ROUTE 74 SEC. (57-18) VBY
STA. 54+392.074 (FAI 74)
McLEAN COUNTY
057-0046 (EB.) & 057-0045 (W.B.)

11037.02Y-1

USER NAME = eaglinga	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #9 & #10 S.N. 057-0045 & S.N. 057-0046

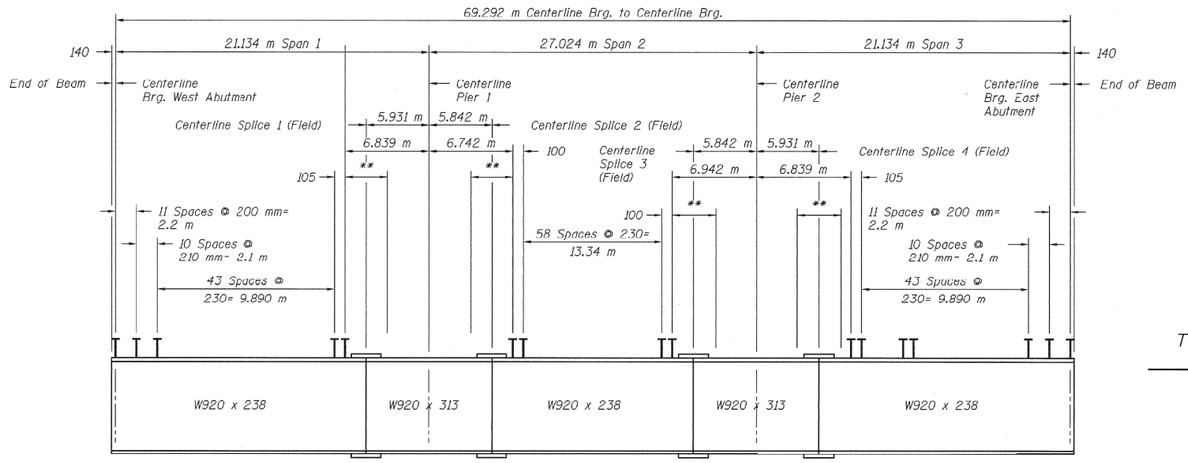
SCALE: NONE | SHEET 4 OF 8 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	40
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

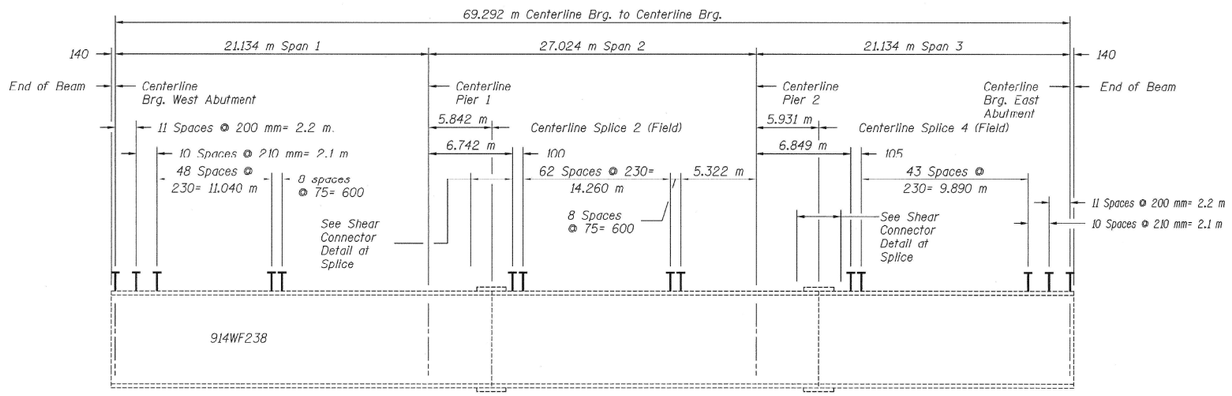
MODEL: $MODELNAME
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-sht-AsBuilts.dgn

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(57-18) VBY	McLEAN	72	5
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET 9 OF 28

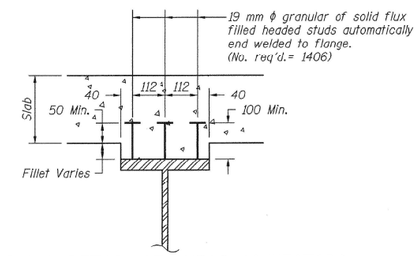


PROPOSED BEAM ELEVATION FOR STUD SHEAR CONNECTORS

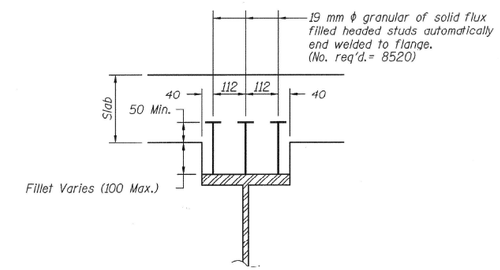


EXISTING BEAM ELEVATION FOR STUD SHEAR CONNECTORS

** See "Shear Connector Detail at Splice"



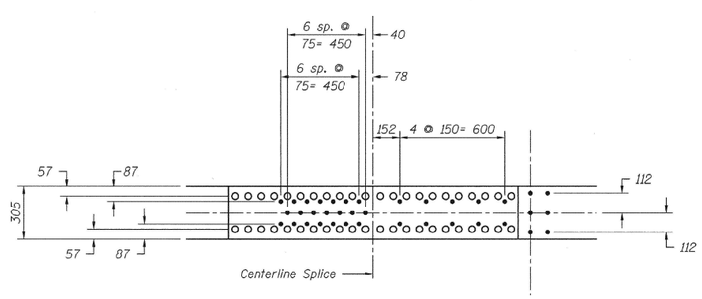
TYPICAL DETAIL OF SHEAR CONNECTORS AT NEW BEAM



TYPICAL DETAIL OF SHEAR CONNECTORS AT EXISTING BEAM

TOP OF STEEL ELEVATIONS *		
Location	West Bound BMN-1	East Bound BMS-1
Centerline Brg. West Abut.	247.567	247.653
Splice 1 West Side	247.582	247.618
Splice 1 East Side	247.590	247.626
Centerline Pier 1	247.602	247.619
Splice 2 West Side	247.614	247.619
Splice 2 East Side	247.606	247.611
Splice 3 West Side	247.621	247.569
Splice 3 East Side	247.629	247.577
Centerline Pier 2	247.628	247.556
Splice 4 West Side	247.627	247.536
Splice 4 East Side	247.619	247.528
Centerline Brg. East Abut.	247.633	247.492

* ELEVATIONS ARE FOR BEAM FABRICATION ONLY AND ARE AT TOP OF STEEL FLANGE.



SHEAR CONNECTOR DETAIL AT SPLICE PLATES

(Splice 2 & 4 shown, Splice 1 & 3 Similar by rotation thru 180°)

Note: All dimensions are in millimeters (mm) except as noted.

BEAM DETAILS
FAI ROUTE 74 OVER NORFOLK SOUTHERN R.R. (CONRAIL)
FAI ROUTE 74 SEC. (57-18) VBY
STA. 54+392.074 (FAI 74)
McLEAN COUNTY
057-0046 (EB.) & 057-0045 (W.B.)

11037.02Y-1

MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-int-AsBuilt.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/29/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #9 & #10 S.N. 057-0045 & S.N. 057-0046

SCALE: NONE | SHEET 5 OF 8 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	41
†D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(57-18) VBY	McLEAN	72	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SHEET 10 OF 28

INTERIOR GIRDER MOMENT TABLE						
	EXISTING BEAM			NEW BEAM		
	0.4 Sp. 1 OR 3	Pier 1 OR 2	0.5 Sp. SPAN 2	0.4 Sp. 1 OR 3	Pier 1 OR 2	0.5 Sp. SPAN 2
Is (10^6 mm^4)	4054	5579	4054	4060	5480	4060
Ic (n) (10^6 mm^4)	11919	---	11919	9305	---	9305
Ic$_3$(n) (10^6 mm^4)	8402	---	8402	6835	---	6835
Ss (10^3 mm^3)	8865	11872	8865	8870	11800	8870
Sc (n) (10^3 mm^3)	14059	---	14059	12150	---	12150
Sc (3n) (10^3 mm^3)	12438	---	12438	10990	---	10990
w_D (kN/m)	12.46	16.27	12.46	11.30	15.10	11.3
M_D (kN·m)	357.5	923.3	365.3	323.6	949.6	328.9
fs$_D$ non-comp (MPa)	40	78	41	36	80	37
s$_D$ (kN/m)	3.81	---	3.81	3.81	---	3.81
Ms$_D$ (kN·m)	131.2	---	164.2	118.5	---	133.9
fs$_D$ (comp) (MPa)	10	---	13	11	---	12
M_L (kN·m)	665.1	441.7	722.4	603.6	450.2	705.7
M (Imp) (kN·m)	172.9	110.4	116.2	156.9	112.6	112.9
fs[M_L+M(Imp)](MPa)	60	46	60	63	48	67
fs (Total) (MPa)	110	124	114	110	128	116
VR (kN)	212	---	212	226	---	233

INTERIOR GIRDER REACTION TABLE				
	EXISTING BEAM		NEW BEAM	
	Abut.	Pier 1 OR 2	Abut.	Pier 1 OR 2
R_D (kN)	126	439	117	416
R_L (kN)	177	232	164	205
Imp. (kN)	46	58	43	50
R (Total) (kN)	349 kN	729 kN	324	671

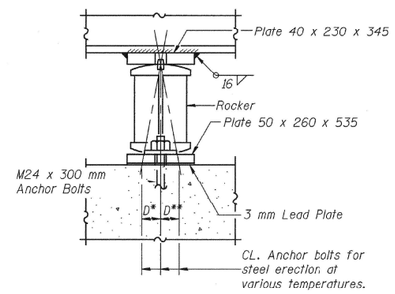
Is and Ss are the moment of inertia and section modulus of the steel section used in computing fs (Total).

$Ic_{(n)}$ and $Sc_{(n)}$ are the moment of inertia and section modulus of the composite section used in computing stresses due to Live Load.

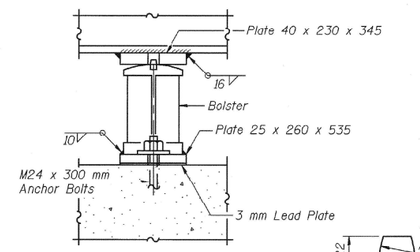
$Ic_{(3n)}$ and $Sc_{(3n)}$ are the moment of inertia and section modulus of the composite section used in computing stresses due to superimposed dead loads.

VR is the maximum Live Load + Impact shear range in span.

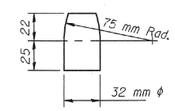
fs (Total) is the sum of stresses due to $[M_D + M_{SD} + M_L + M_{IMP}]$



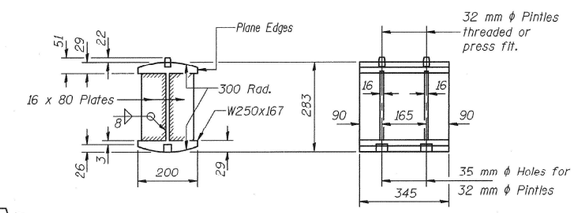
ELEVATION



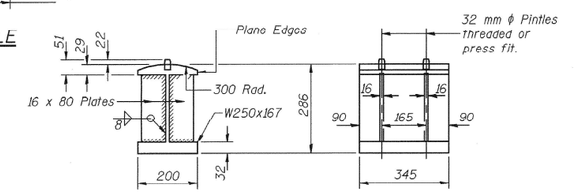
ELEVATION



PINTLE



ROCKER DETAIL @ PIER 1

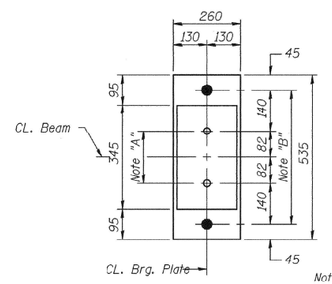


BOLSTER DETAIL @ PIER 2

NOTES FOR SETTING OF ANCHOR BOLTS AT EXPANSION BEARINGS

a.) D* (Side of brg. away from fixed brg.) D*=1 mm per each 10 m of expansion for every 8 °C fall below the normal temp. of 10 °C.
D** (Side of brg. toward fixed brg.) D**=1 mm per each 10 m of expansion for every 8 °C rise above the normal temp. of 10 °C.

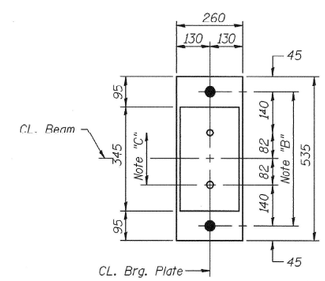
b.) After beams have been erected and dimensions D* & D** determined, holes shall be drilled and anchor bolts shall be installed as shown on Sheet #21 of 28. All fixed anchor bolts may be built into the masonry.



Note "A"
35 mm ϕ Holes-25 mm deep in top Plate for 32 mm ϕ pintles. Thread or press fit pintles in bottom Plate.

PLAN AT PIER 1

Note "B"
40 mm ϕ Holes for M24 Anchor Bolts - 8 x 65 x 65 Plate washer under nut.



PLAN AT PIER 2

Note "C"
35 mm ϕ Holes-25 mm deep in top Plate only for 32 mm ϕ pintles.

BEARING ASSEMBLY DETAILS

Note: All dimensions are in millimeters (mm) except as noted.

FRAMING DETAILS
FAI ROUTE 74 OVER NORFOLK SOUTHERN R.R. (CONRAIL)
FAI ROUTE 74 SEC. (57-18) VBY
STA. 54+392.074 (FAI 74)
McLEAN COUNTY
057-0046 (E.B.) & 057-0045 (W.B.)

11037.02Y-1

MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-sht-4sBuilt.dgn

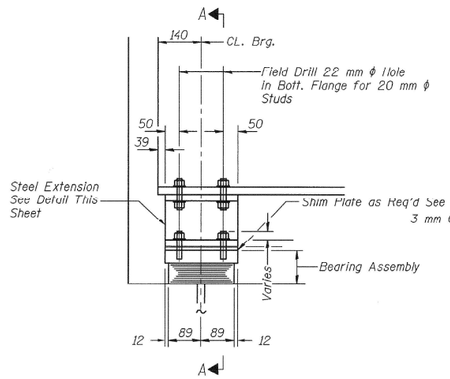
USER NAME = eaglinga	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/29/2021	DATE -	REVISED -	

AS-BUILT PLANS
LOCATION #9 & #10 S.N. 057-0045 & S.N. 057-0046
SCALE: NONE | SHEET 6 OF 8 SHEETS | STA. | TO STA.

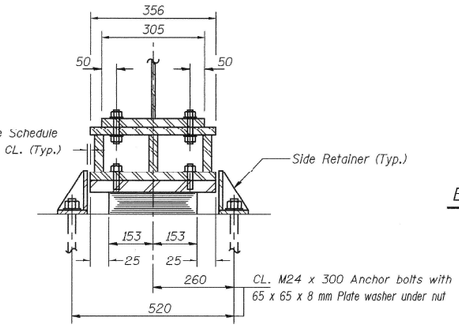
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	42
	†D5 BRIDGE PAINTING 2022-1	CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(57-18) VBY	McLEAN	72	5
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

SHEET 11 OF 28 SHEETS

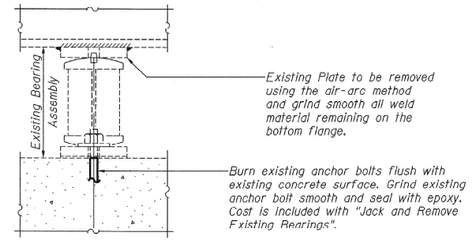


ELEVATION AT ABUT.

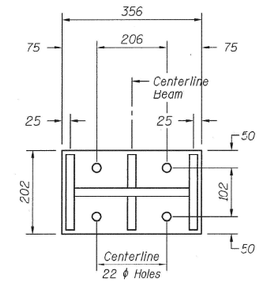


SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.

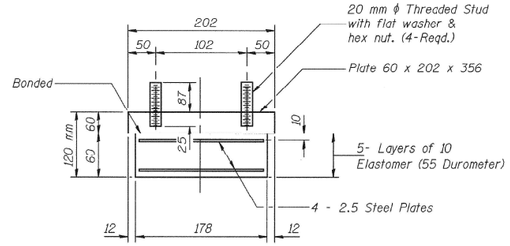


EXISTING BEARING REMOVAL DETAIL

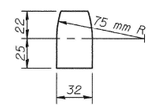


PLAN STEEL EXTENSION

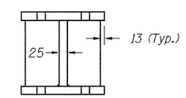
Notes: See sheet #21 for Anchor Bolt installation.
All dimensions are in millimeters (mm) except as noted.



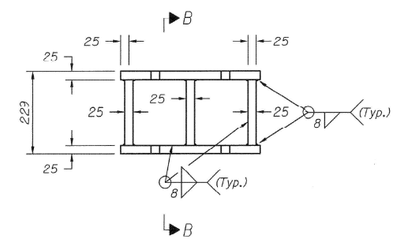
BEARING ASSEMBLY



PINTLE



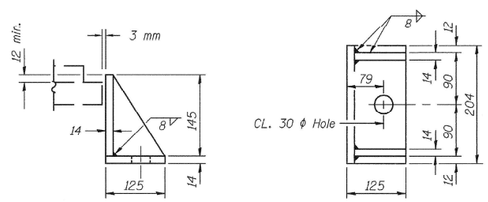
SECTION B-B



ELEVATION STEEL EXTENSION

STEEL EXTENSION DETAILS

12 REQUIRED - ONE AT EACH EXISTING BEAM



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight Included with Structural Steel. (No. Req'd 28)

202 x 356
SHIM PLATE SCHEDULE

WESTBOUND		EASTBOUND	
BMN-1	---	BMS-1	---
BMN-2	3	BMS-2	3
BMN-3	---	BMS-3	3
BMN-4	22	BMS-4	7
BMN-5	22	BMS-5	19
BMN-6	7	BMS-6	13
BMN-7	7	BMS-7	10

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	14
Furnishing and Erecting Structural Steel *	kg	870

* Includes steel assembly above elastomeric bearing assembly and side retainers. This quantity included with quantity on sheet 1.

BEARING DETAILS AT EAST ABUTMENT
FAI ROUTE 74 OVER NORFOLK SOUTHERN R.R. (CONRAIL)
FAI ROUTE 74 SEC. (57-18) VBY
STA. 54+392.074 (FAI 74)
McLEAN COUNTY
057-0046 (EB.) & 057-0045 (W.B.)

11037.02Y-1

MODEL: SMODEL NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-sht-AsBuilt-.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

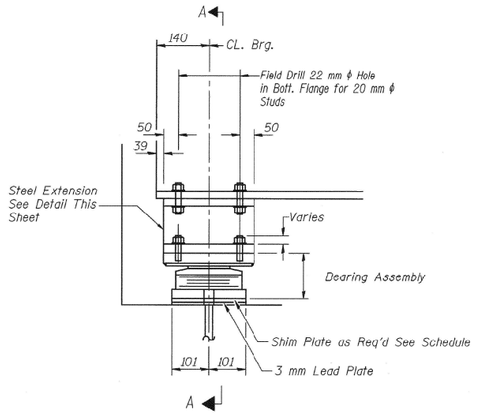
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #9 & #10 S.N. 057-0045 & S.N. 057-0046
SCALE: NONE | SHEET 7 OF 8 SHEETS | STA. TO STA.

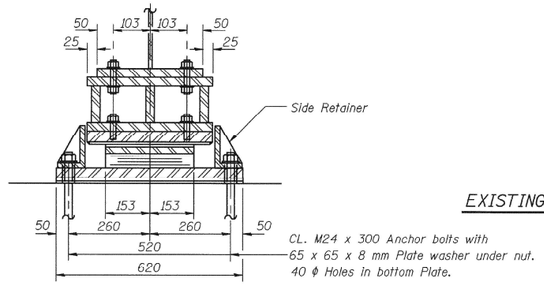
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	McLEAN	50	43
†D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(57-18) VBY	McLEAN	72	5
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET 12 OF 28 SHEETS

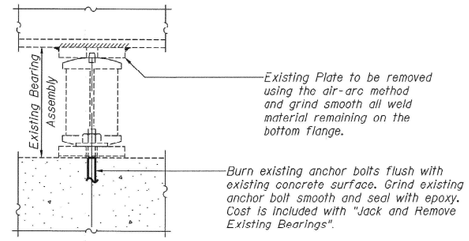


ELEVATION AT ABUT.

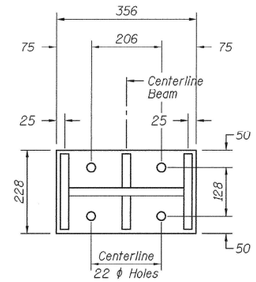


SECTION A-A

TYPE II TFE ELASTOMERIC EXP. BRG.

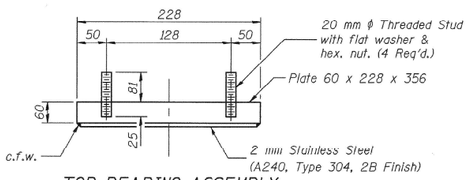


EXISTING BEARING REMOVAL DETAIL

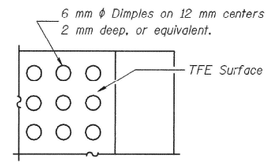


PLAN STEEL EXTENSION

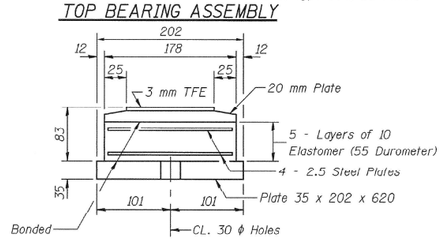
Notes: See sheet #21 for Anchor Bolt installation.
All dimensions are in millimeters (mm) except as noted.



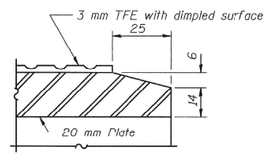
TOP BEARING ASSEMBLY



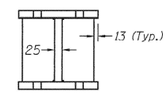
PLAN-TFE SURFACE



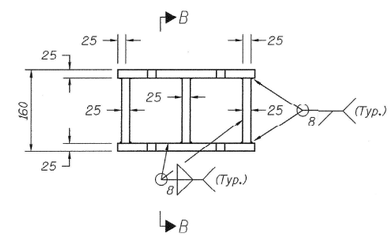
BOTTOM BEARING ASSEMBLY



SECTION THRU TFE



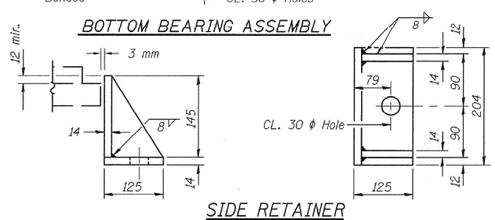
SECTION B-B



ELEVATION STEEL EXTENSION

STEEL EXTENSION DETAILS

12 REQUIRED - ONE AT EACH EXISTING BEAM

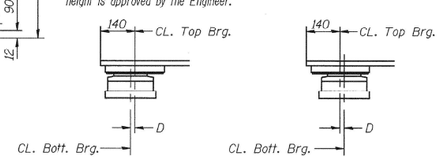


SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Structural Steel. (No. Req'd 28)

Note: The 3 mm TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of 3 mm TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.



BELOW 10 °C (Move bott. brg. away from fixed brg.)

ABOVE 10 °C (Move bott. brg. toward fixed brg.)

SETTING ANCHOR BOLTS AT EXP. BRG.

D= 1 mm per each 10 m of expansion for every 8 °C temp. change from the normal temp. of 10 °C.

202 x 620 SHIM PLATE SCHEDULE			
WESTBOUND		EASTBOUND	
BMN-1	---	BMS-1	---
BMN-2	16	BMS-2	9
BMN-3	16	BMS-3	---
BMN-4	13	BMS-4	19
BMN-5	16	BMS-5	28
BMN-6	31	BMS-6	28
BMN-7	9	BMS-7	16

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	14
Furnishing and Erecting Structural Steel *	kg	940

* Includes steel assembly above elastomeric bearing assembly and side retainers. This quantity included with quantity on sheet 1.

BEARING DETAILS AT WEST ABUTMENT
FAI ROUTE 74 OVER NORFOLK SOUTHERN R.R. (CONRAIL)
FAI ROUTE 74 SEC. (57-18) VBY
STA. 54+392.074 (FAI 74)
McLEAN COUNTY
057-0046 (F.B.) & 057-0045 (W.B.)

11037.02Y-1

MODEL: S_MODEL NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADdata\CADsheets\D570E74-sht-AsBuilt-s.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

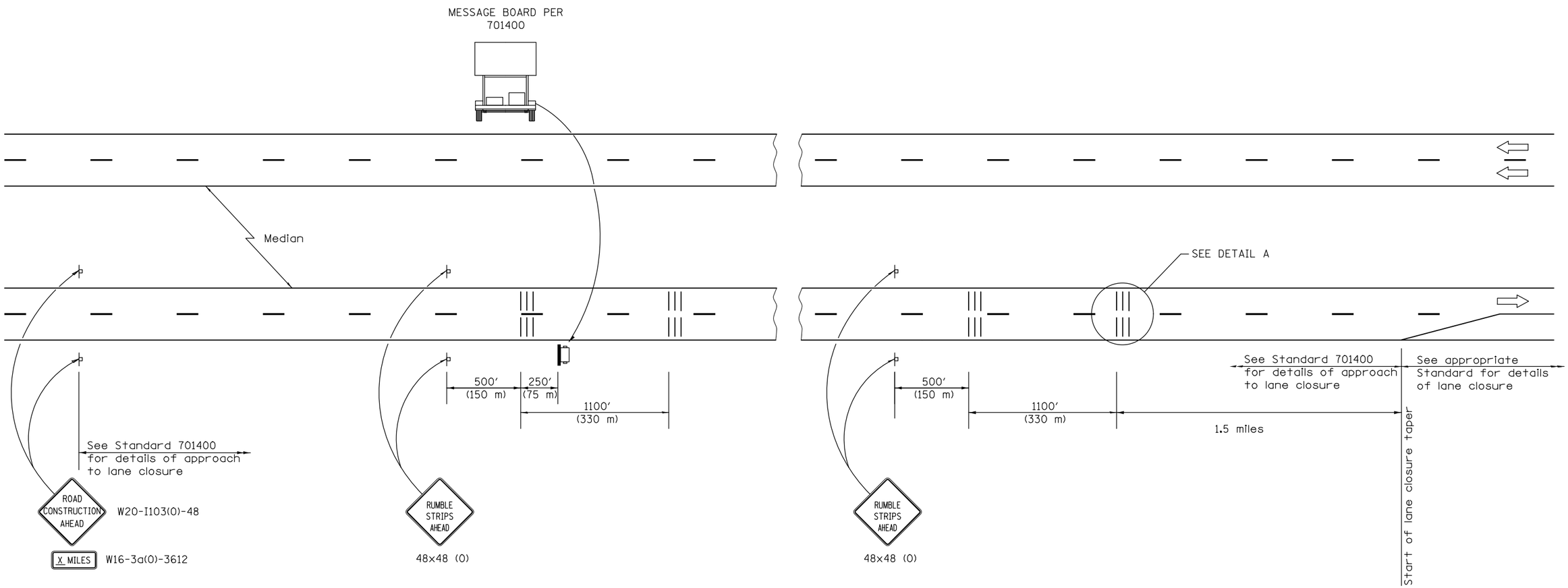
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
LOCATION #9 & #10 S.N. 057-0045 & S.N. 057-0046

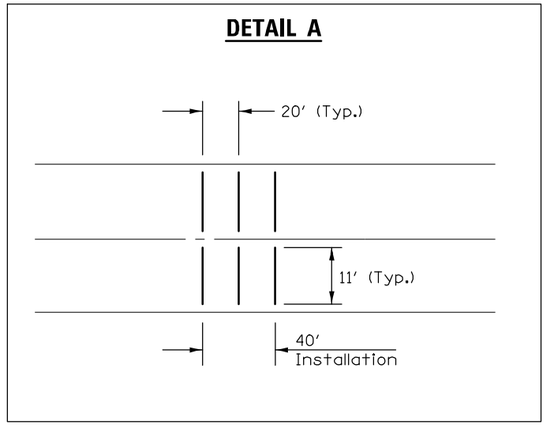
SCALE: NONE | SHEET 8 OF 8 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	44
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
ILLINOIS	FED. AID PROJECT			

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-74, the 1.5 mile rumble strips may be used as the advanced rumble strips at the next bridge - to be determined by the engineer.

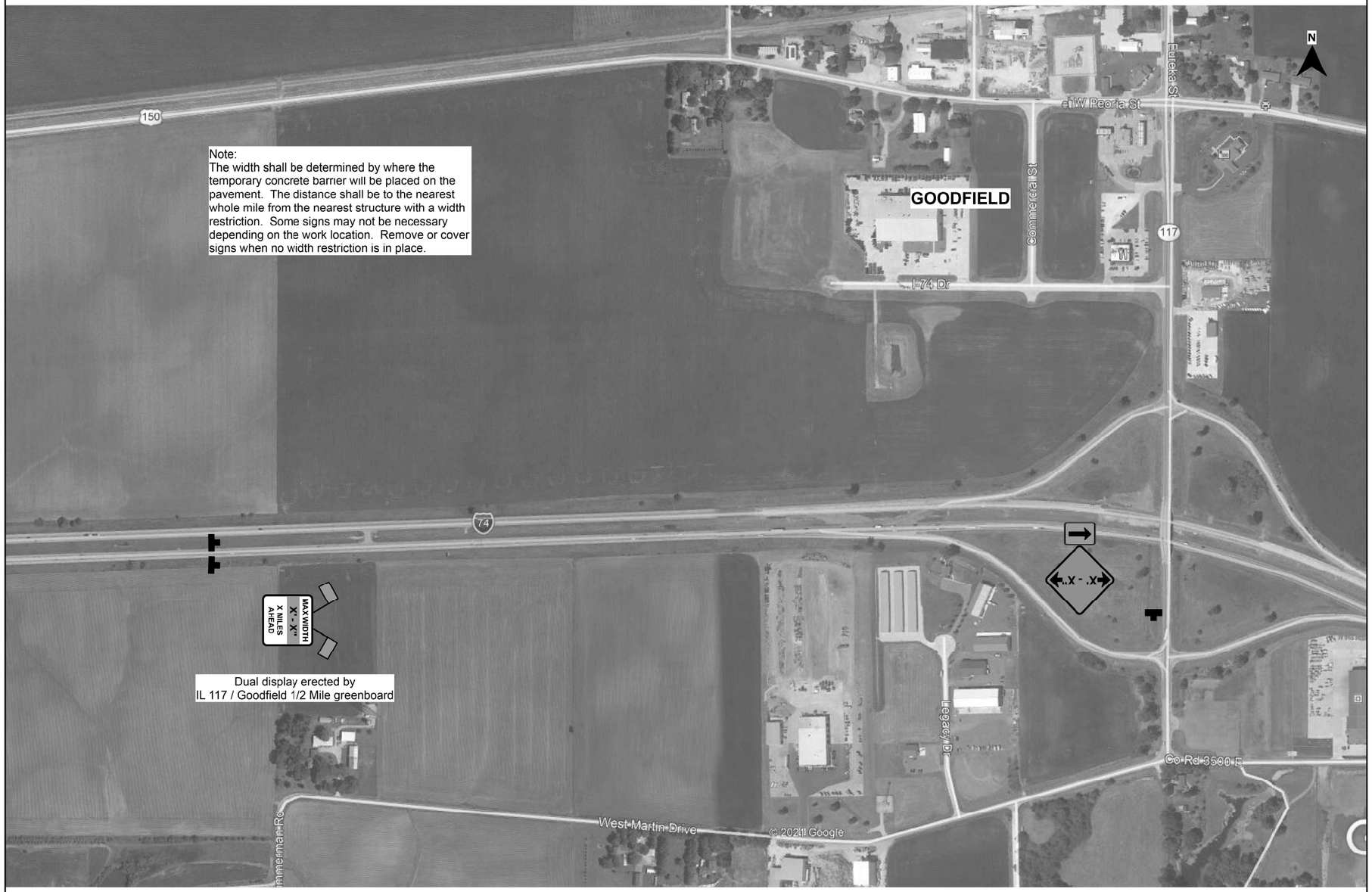
MODEL: $MODEL$NAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D570E74\CADData\CADsheets\D570E74-int-Detail.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL FOR TEMPORARY RUMBLE STRIPS (SPECIAL)
	DRAWN -	REVISED -		
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -		
PLOT DATE = 9/29/2021	DATE -	REVISED -		SCALE: NONE · SHEET 1 OF 1 SHEETS · STA. · TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	45
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS FED. AID PROJECT		

WIDTH RESTRICTION SIGNING DETAIL

www.invarion.com



Note:
The width shall be determined by where the temporary concrete barrier will be placed on the pavement. The distance shall be to the nearest whole mile from the nearest structure with a width restriction. Some signs may not be necessary depending on the work location. Remove or cover signs when no width restriction is in place.

MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-sht-WRS.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/29/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

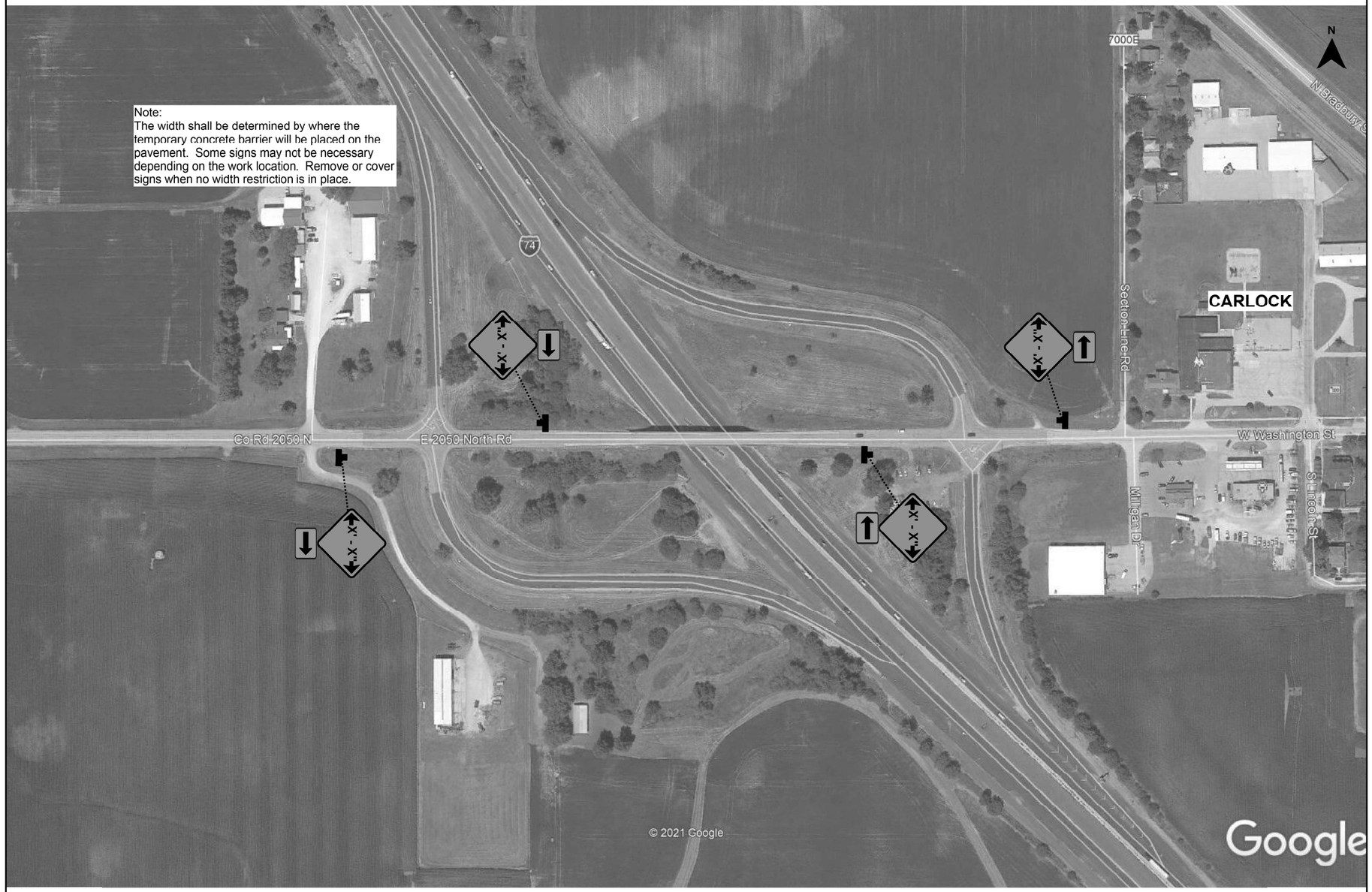
WIDTH RESTRICTION SIGNING DETAIL

SCALE: NONE | SHEET 1 OF 4 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	46
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS FED. AID PROJECT		

WIDTH RESTRICTION SIGNING DETAIL

www.invarion.com

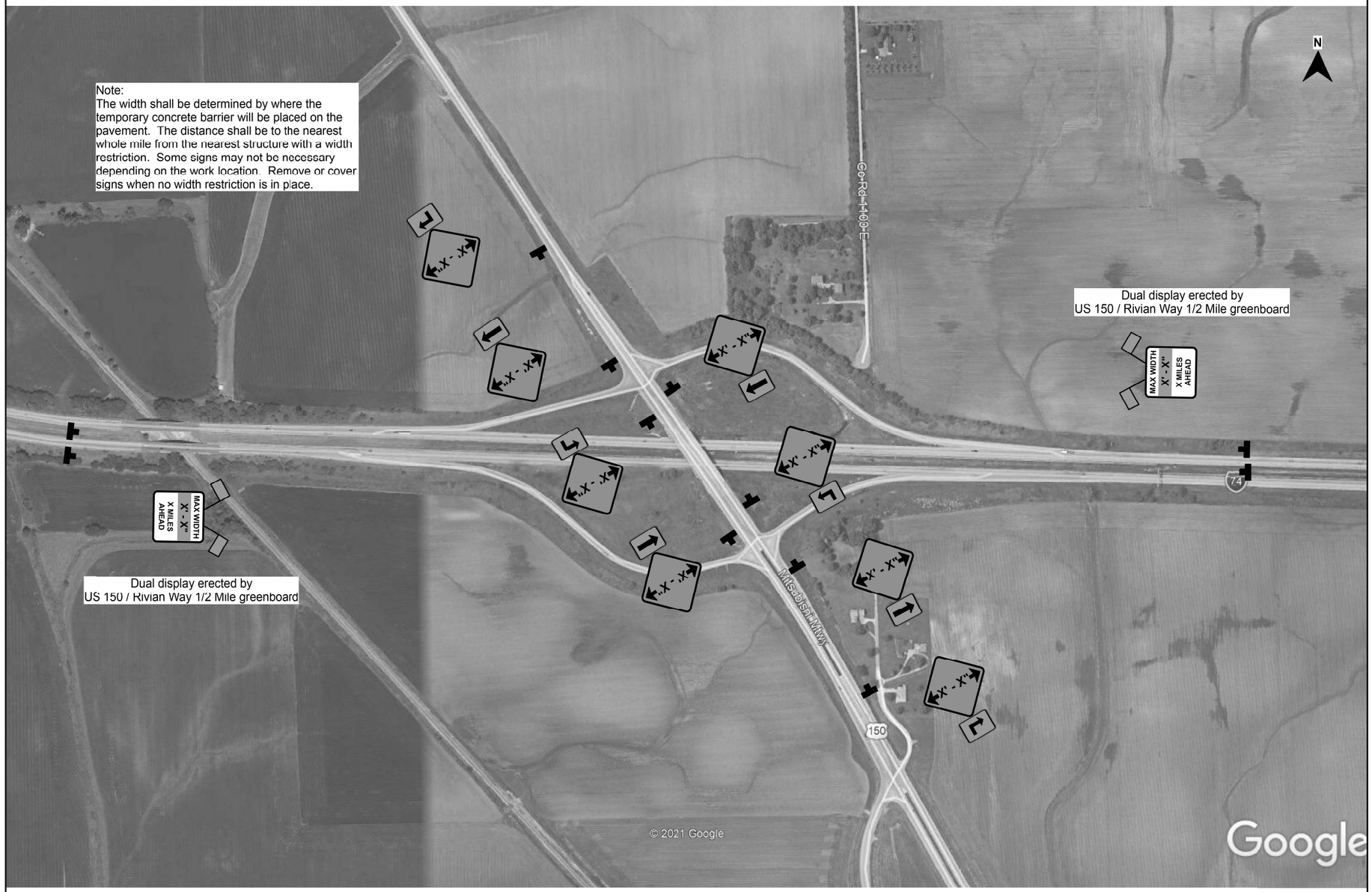


USER NAME = eaglinga	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WIDTH RESTRICTION SIGNING DETAIL	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
	DRAWN -	REVISED -			74/39	*	MCLEAN	50 / 47
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -			*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74	
PLOT DATE = 9/29/2021	DATE -	REVISED -		SCALE: NONE / SHEET 2 OF 4 SHEETS / STA. TO STA.	ILLINOIS	FED. AID PROJECT		

MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CAData\CADsheets\D570E74-sht-WR5.dgn

WIDTH RESTRICTION SIGNING DETAIL

www.invarion.com

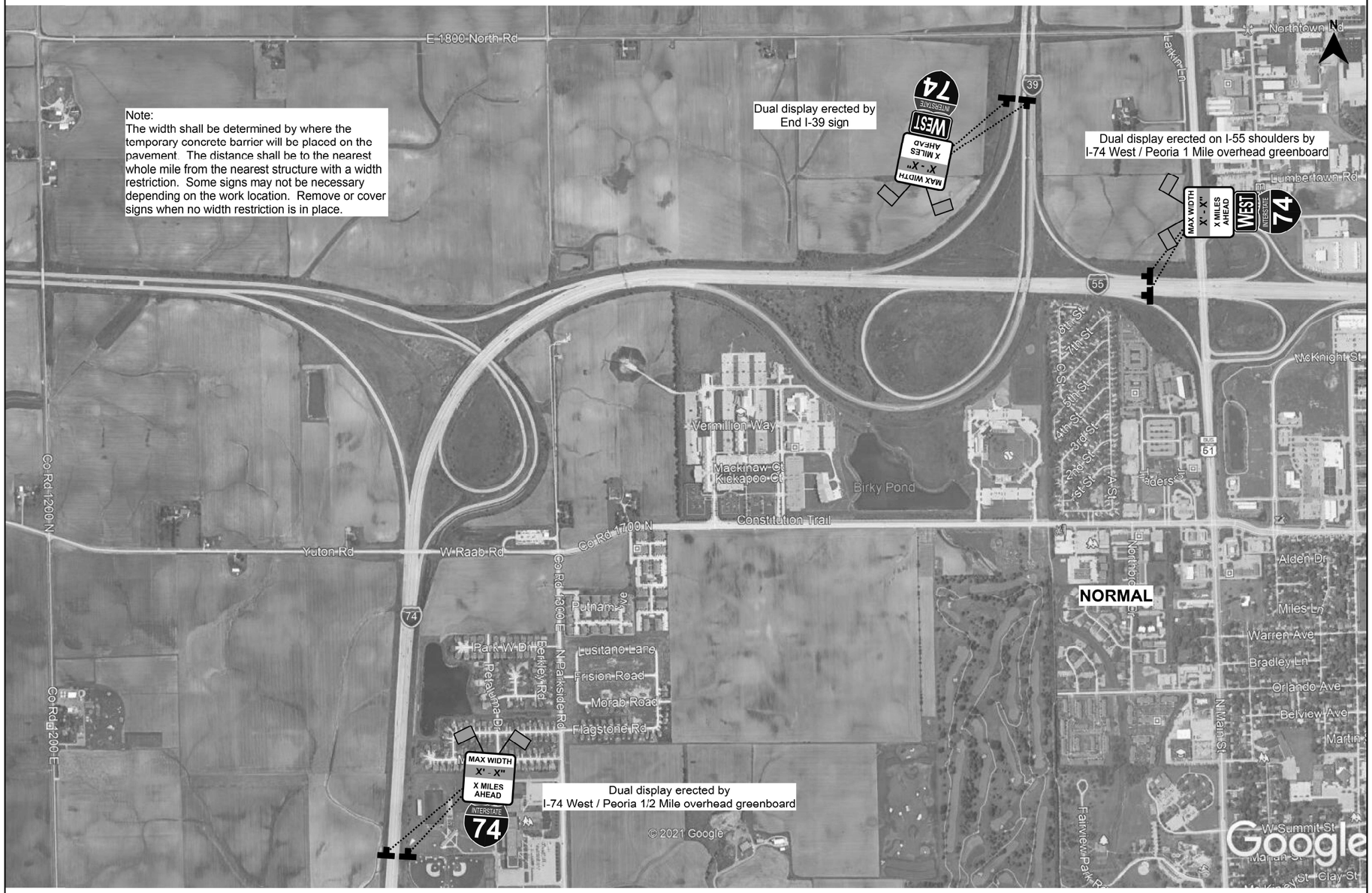


MODEL: $MODEL$NAME5
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CAData\CADsheets\D570E74-sht-WR5.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WIDTH RESTRICTION SIGNING DETAIL	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -			74/39	*	MCLEAN	50	48
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -			*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
PLOT DATE = 9/29/2021	DATE -	REVISED -		SCALE: NONE / SHEET 3 OF 4 SHEETS / STA. TO STA.			ILLINOIS FED. AID PROJECT		

WIDTH RESTRICTION SIGNING DETAIL

www.invarion.com



USER NAME = eaglinga	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/29/2021	DATE -	REVISED -	

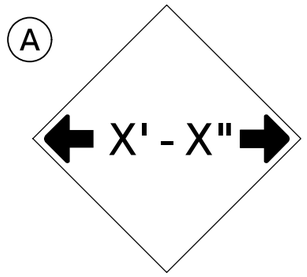
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIDTH RESTRICTION SIGNING DETAIL

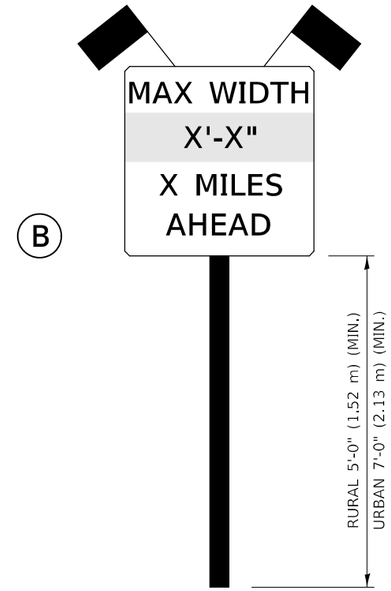
SCALE: NONE | SHEET 4 OF 4 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	49
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS	FED. AID PROJECT	

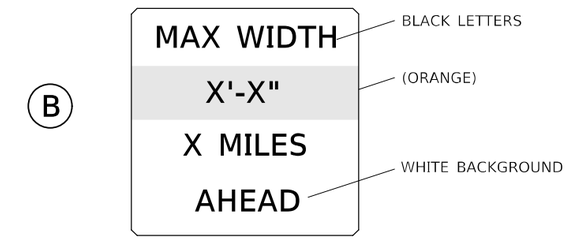
MODEL: $MODEL$NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-int-WR5.dgn



W12-2(0)-48"x48"(1200x1200)



SIGN PANEL, TYPE II



W12-I103(O)-48"x48"(1200x1200)
"D" LETTERS/NUMBERS

SIGN (A) 2 SIGNS - W12-2(O)-48"x48"(1200x1200) ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

SIGN (B) 2 SIGNS - (SIGN PANEL, TYPE II) AS SHOWN ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

GENERAL NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
2. ALL (B) SIGNS SHALL HAVE FLAGS INSTALLED UNLESS OTHERWISE DIRECTED.
3. LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
4. ALL TRAFFIC CONTROL SHOWN ON THIS SHEET SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR WIDTH RESTRICTION SIGNING.
5. ALL SIGNS SHALL BE POST MOUNTED UNLESS OTHERWISE DIRECTED.
6. ALL SIGNS SHOWN ORANGE (O) SHALL BE FLUORESCENT ORANGE.
7. ALL SIGNS SHOWN SHALL CONSIST OF THE CURRENT RETROREFLECTIVE SHEETING REQUIREMENTS AS OUTLINED IN SECTION 1106.01 OF THE STANDARD SPECIFICATIONS BOOK.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. X7200201

MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570E74\CADData\CADsheets\D570E74-sht-WRS.dgn

USER NAME = eaglinga	DESIGNED -	REVISED -	05/08
	DRAWN -	REVISED -	10/08 KJT
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	07/09 KJT
PLOT DATE = 9/29/2021	DATE -	REVISED -	03/11 KJT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIDTH RESTRICTION SIGNING

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/39	*	MCLEAN	50	50
*D5 BRIDGE PAINTING 2022-1		CONTRACT NO. 70E74		
		ILLINOIS FED. AID PROJECT		