11-07-2025 LETTING ITEM 039

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	1
	FED. AID PROJECT ILLINOIS	CONTRACT NO. 70F93		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAI ROUTE 55 (I-55)
SECTION (57-2B-3,4)BR
PROJECT BR-L5J2(959)
BRIDGE DECK OVERLAY
MCLEAN COUNTY

C-95-054-22

AT MACKINAW RIVER 2 MI SOUTHWEST OF LEXINGTON
& AT TURKEY CREEK 1.5 SOUTHWEST OF LEXINGTON

P-95-013-22

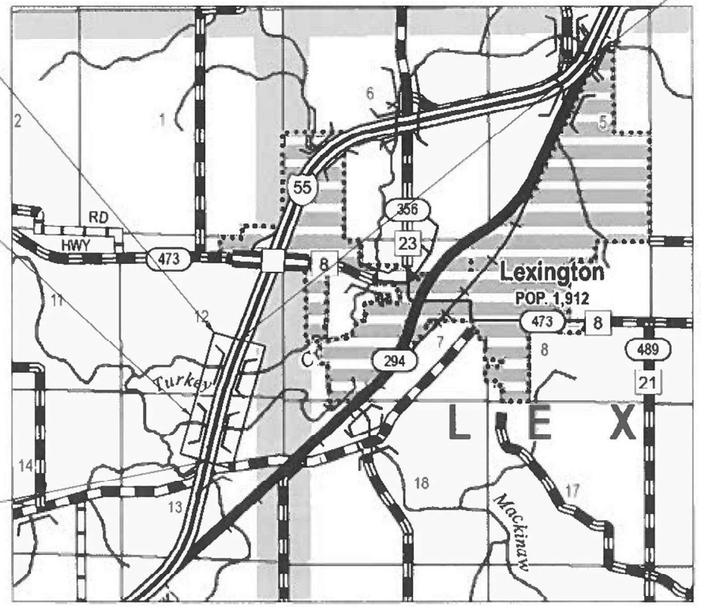
LOCATION OF SECTION INDICATED THUS: ▪ ▬

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 3-8

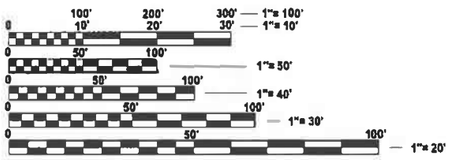
TRAFFIC INFORMATION
FUNCTIONAL CLASSIFICATION: INTERSTATE
2023 ADT = 23,800
P.V. = 68% S.U. = 4% M.U. = 28%

S.N. 057-0169 (SB) AND S.N. 057-0170 (NB) (STA. 588+38)
INTERSTATE 55 OVER TURKEY CREEK,
256'-4" B-B ABUTMENTS, THREE-SPAN STEEL
PLATE GIRDER BRIDGE.

S.N. 057-0167 (SB) AND S.N. 057-0168 (NB) (STA. 608+35)
INTERSTATE 55 OVER MACKINAW RIVER,
333'-0" B-B APPROACH BENTS, THREE-SPAN
P.P.C. I-BEAM MAIN SPANS WITH REINFORCED
CONCRETE SLAB APPROACH SPANS.



GROSS LENGTH = 3350.82 FT. = 0.63 MILE
NET LENGTH = 589.33 FT. = 0.11 MILE



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

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

MONEY CREEK TOWNSHIP
MCLEAN COUNTY
PROJECT ENGINEER: RYAN T. CARROLL, P.E.
PROJECT MANAGER: HANS KNOEPFEL
CONTRACT NO. 70F93

MAURER-STUTZ
ENGINEERS SURVEYORS
3116 DRIES LN STE 100
PEORIA, ILLINOIS 61604
PH. (309) 693-7615
FAX (309) 693-7616
PROFESSIONAL DESIGN FIRM #184-005754

ENGINEER'S SIGNATURE BOX

JEFFRY D. SPILLER
062-057630
LICENSED PROFESSIONAL ENGINEER
OF
ILLINOIS

SIGNED: 9/7/2025
LISC. EXP. DATE: 11/30/25

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 8/12 20 25
Kamil A. Barnett 3WS
REGIONAL ENGINEER
October 3 20 25
ENGINEER OF DESIGN AND ENVIRONMENT
October 3 20 25
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV. 8/25/25

INDEX OF SHEETS

GENERAL NOTES

G.N.-100B
MICROSTATION AND GEOPAK FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR AFTER CONTRACT AWARD. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.

G.N.-105.09A
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N. 406H
MIXTURE REQUIREMENTS 70F93

Location	I - 55	I - 55
Mixture Use	Surface Mainline & Shoulder	Binder Shoulder
AC/PG	SBS PG 70-22	SBS PG 70-22
Design Air Voids	4.0% @ Ndes=90	4.0% @ Ndes=90
Mix Comp(Gradation)	IL 9.5	IL 9.5FG
Friction Aggregate	Mix D	N.A.
Mixture Weight	112	112
Quality Management Program	QC/QA	QC/QA
Sublot Size	3000	3000
Material Transfer Device (Required ?)	NO	NO

COMMITMENTS

NONE.

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF INCH & FOOT
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
642001-03	SHOULDER RUMBLE STRIPS, 16 in.
665001-02	WOVEN WIRE FENCE
701400-12	APPROACH TO LANE CLOSURE, FREEWAY / EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY / EXPRESSWAY
701402-12	LANE CLOSURE, FREEWAY / EXPRESSWAY, WITH BARRIER
701406-13	LANE CLOSURE, FREEWAY / EXPRESSWAY, DAY OPERATIONS ONLY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701426-09	LANE CLOSURE, MULTIANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY / EXPRESSWAY
701901-10	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

MODEL: Default
FILE NAME: S:\237\2024\2372401\0J1 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D570F93-sht-General Notes.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = cadiaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.083 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/7/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAY
INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	2
		CONTRACT NO. 70F93		
	ILLINOIS FED. AID PROJECT			

			LOCATION OF WORK:	FAI 55	FAI 55
				INTERSTATE	INTERSTATE
				RURAL	RURAL
				STRUCTURE	STRUCTURE
				STA. 582+21.95 TO STA. 594+58.0	STA. 601+23.43 TO STA. 615+72.77
				S.N. 057-0167 AND 057-0168	S.N. 057-0169 AND 057-0170
			COUNTY:	MCLEAN	MCLEAN
			FUNDING BREAKOUT:	90% FED/10% STATE	90% FED/10% STATE
			CONSTRUCTION CODE:	0059	0059
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
35101400	AGGREGATE BASE COURSE, TYPE B	TON	95	41	54
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1,772	759	1,013
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2,900	1,396	1,504
40604164	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90	TON	973	466	507
42000060	WELDED WIRE REINFORCEMENT	SQ YD	404	204	200
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	404	204	200
44000100	PAVEMENT REMOVAL	SQ YD	394	201	193
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	1,299	651	648
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	5,146	2,451	2,695
44004250	PAVED SHOULDER REMOVAL	SQ YD	767	326	441
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	73	33	40
48203037	HOT-MIX ASPHALT SHOULDERS, 10"	SQ YD	757	323	434
50102400	CONCRETE REMOVAL	CU YD	78.0	44.2	33.8
50300100	FLOOR DRAINS	EACH	114	80	34

* SPECIALTY ITEMS

MODEL: Default
FILE NAME: S:\237\2024\23724010.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D570F93-sht-Summary.dgn

MAURER-STUTZ
ENGINEERS SURVEYORS

USER NAME = cadlaz	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.083 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/15/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAY
SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	3

CONTRACT NO. 70F93

ILLINOIS FED. AID PROJECT

			LOCATION OF WORK:	FAI 55	FAI 55
				INTERSTATE	INTERSTATE
				RURAL	RURAL
				STRUCTURE	STRUCTURE
				STA. 582+21.95 TO STA. 594+58.0	STA. 601+23.43 TO STA. 615+72.77
				S.N. 057-0167 AND 057-0168	S.N. 057-0169 AND 057-0170
			COUNTY:	MCLEAN	MCLEAN
			FUNDING BREAKOUT:	90% FED/10% STATE	90% FED/10% STATE
			CONSTRUCTION CODE:	0059	0059
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	78.0	44.2	33.8
	50300300	PROTECTIVE COAT	SQ YD	6,693	3,626	3,067
	50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	6,160	0	6,160
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	11,600	6,720	4,880
	50800515	BAR SPLICERS	EACH	140	76	64
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	328	162	166
	52100400	STEEL BEARING ASSEMBLY	EACH	2	2	0
	63300575	REMOVE AND REERECT RAIL ELEMENT OF EXISTING GUARDRAIL	FOOT	2,438	1,244	1,194
	64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	6,695	3,180	3,515
	66500105	WOVEN WIRE FENCE, 4'	FOOT	286	142	144
	67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	7	3.5	3.5
	67100100	MOBILIZATION	L SUM	1	0.5	0.5
	70106700	TEMPORARY RUMBLE STRIPS	EACH	8	4	4
*	70107007	PAVEMENT MARKING BLACKOUT TAPE, 7"	FOOT	6,011	2,898	3,113

* SPECIALTY ITEMS

MODEL: Default
FILE NAME: S:\237\2024\237240101 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D570F93-sht-Summary.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = cadiaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.083 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/15/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAY
SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	4
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		

REV. 9/15/25

			LOCATION OF WORK:	FAI 55	FAI 55
				INTERSTATE	INTERSTATE
				RURAL	RURAL
				STRUCTURE	STRUCTURE
				STA. 582+21.95 TO STA. 594+58.0	STA. 601+23.43 TO STA. 615+72.77
				S.N. 057-0167 AND 057-0168	S.N. 057-0169 AND 057-0170
			COUNTY:	MCLEAN	MCLEAN
			FUNDING BREAKOUT:	90% FED/10% STATE	90% FED/10% STATE
			CONSTRUCTION CODE:	0059	0059
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	432	216	216
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3,365	1,559	1,806
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	26,449	10,933	15,516
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	2,988	1,513	1,475
	70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	78	0	78
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	2,938	1,550	1,388
	70600305	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 3	EACH	4	2	2
	70600330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3	EACH	4	2	2
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,440	720	720
*	78008330	POLYUREA PAVEMENT MARKING TYPE II - LINE 6"	FOOT	4,503	2,484	2,019
*	78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	5,943	3,204	2,739
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	16	8	8
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	16	8	8
	X0325748	ACRYLIC COATING	SQ YD	347	347	0

* SPECIALTY ITEMS

MODEL: Default
FILE NAME: S:\237\2024\237240\10.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D570F93-sht-Summary.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = cadiaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.083 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/15/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAY
SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	5
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		

REV. 9/15/25

			LOCATION OF WORK:	FAI 55	FAI 55
				INTERSTATE	INTERSTATE
				RURAL	RURAL
				STRUCTURE	STRUCTURE
				STA. 582+21.95 TO STA. 594+58.0	STA. 601+23.43 TO STA. 615+72.77
				S.N. 057-0167 AND 057-0168	S.N. 057-0169 AND 057-0170
			COUNTY:	MCLEAN	MCLEAN
			FUNDING BREAKOUT:	90% FED/10% STATE	90% FED/10% STATE
			CONSTRUCTION CODE:	0059	0059
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
	X0325749	FIBER WRAP	SQ FT	3,044	3,044	0
	X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	3,772	2,090	1,682
	X5051204	STRUCTURAL STEEL REMOVAL	POUND	6,020	0	6,020
	X5060700	CLEANING AND PAINTING BEARINGS	EACH	26	26	0
	X5080530	BAR TERMINATORS	EACH	240	240	0
	X5091732	REPAIR BRIDGE RAIL	FOOT	25	16	9
*	X6330103	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL, TANGENT	EACH	3	1	2
	X6640104	FENCE REMOVAL	FOOT	286	142	144
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.5	0.5
*	X7011854	REAL-TIME TRAFFIC CONTROL CENTRAL BASE UNIT	CAL MO	7	3.5	3.5
*	X7011856	REAL-TIME TRAFFIC CONTROL SENSOR UNIT	CAL MO	112	56	56
*	X7011860	REAL-TIME TRAFFIC CONTROL WARNING SIGN	CAL MO	56	28	28
	X7200201	WIDTH RESTRICTION SIGNING	L SUM	1	0.5	0.5
	Z0001700	APPROACH SLAB REPAIR (FULL DEPTH)	SQ YD	12	6	6

* SPECIALTY ITEMS

			LOCATION OF WORK:	FAI 55	FAI 55
				INTERSTATE	INTERSTATE
				RURAL	RURAL
				STRUCTURE	STRUCTURE
				STA. 582+21.95 TO STA. 594+58.0	STA. 601+23.43 TO STA. 615+72.77
				S.N. 057-0167 AND 057-0168	S.N. 057-0169 AND 057-0170
			COUNTY:	MCLEAN	MCLEAN
			FUNDING BREAKOUT:	90% FED/10% STATE	90% FED/10% STATE
			CONSTRUCTION CODE:	0059	0059
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	2	2	0
Z0004556	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	133	0	133
Z0006014	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/2 INCHES	SQ YD	1,068	534	534
Z0006022	BRIDGE DECK LATEX CONCRETE OVERLAY 3 3/4 INCHES	SQ YD	4,860	2,760	2,100
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	133	0	133
Z0012142	BRIDGE DECK SCARIFICATION 2 1/4"	SQ YD	667	534	133
Z0012152	BRIDGE DECK SCARIFICATION 3 1/2"	SQ YD	3,810	2,760	1,050
Z0012156	BRIDGE DECK SCARIFICATION 4"	SQ YD	1,050	0	1,050
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	807	463	344
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	56	36	20
Z0012800	CONCRETE PAVEMENT SCARIFICATION	SQ YD	267	0	267
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.5	0.5
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	58	40	18
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	141	24	117

* SPECIALTY ITEMS

MODEL: Default
FILE NAME: S:\237\2024\237240\10.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D570F93-sht-Summary.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = cadiaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.083 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/15/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAY
SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	7
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		

REV. 9/15/25

				LOCATION OF WORK:	FAI 55	FAI 55
					INTERSTATE	INTERSTATE
					RURAL	RURAL
					STRUCTURE	STRUCTURE
					STA. 582+21.95 TO STA. 594+58.0	STA. 601+23.43 TO STA. 615+72.77
					S.N. 057-0167 AND 057-0168	S.N. 057-0169 AND 057-0170
				COUNTY:	MCLEAN	MCLEAN
				FUNDING BREAKOUT:	90% FED/10% STATE	90% FED/10% STATE
				CONSTRUCTION CODE:	0059	0059
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
	Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	5,768	3,179	2,589
	Z0043800	PRECAST PRESTRESSED CONCRETE I-BEAM REPAIR	SQ FT	459	459	0
Ø	Z0076600	TRAINEES	HOUR	1,000	1,000	
	Z0049790	RELOCATING NAME PLATES	EACH	2	0	2
Ø	Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	1,000	1,000	

* SPECIALTY ITEMS

Ø 0042

MODEL: Default
FILE NAME: S:\237\2024\2372401\01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D570F93-ahn-Summary.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = cadiaz	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.083 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/15/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAY
SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	8
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		

REV. 9/11/25

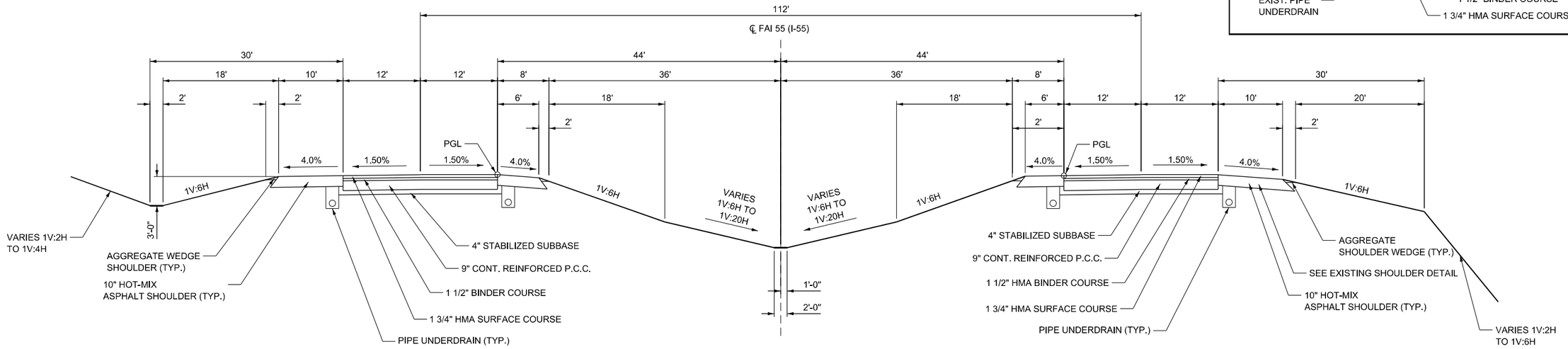
STRUCTURE OMISSIONS

S.N. 057-0167: STA. 586+32.05 TO STA. 590+43.79
S.N. 057-0168: STA. 586+31.95 TO STA. 590+46.67

EXISTING TYPICAL SECTION 1

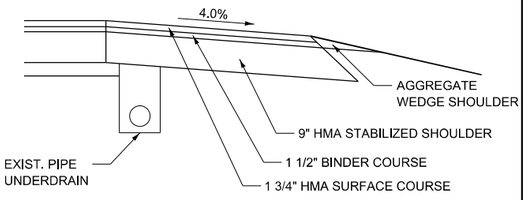
FAI 55

STATION	TO	STATION
582+21.95	TO	594+58.02



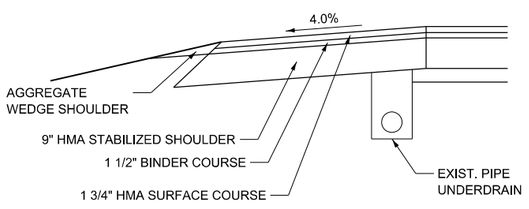
EXISTING SHOULDER DETAIL

STA. 593+37.00 TO STA. 594+58.02



EXISTING SHOULDER DETAIL

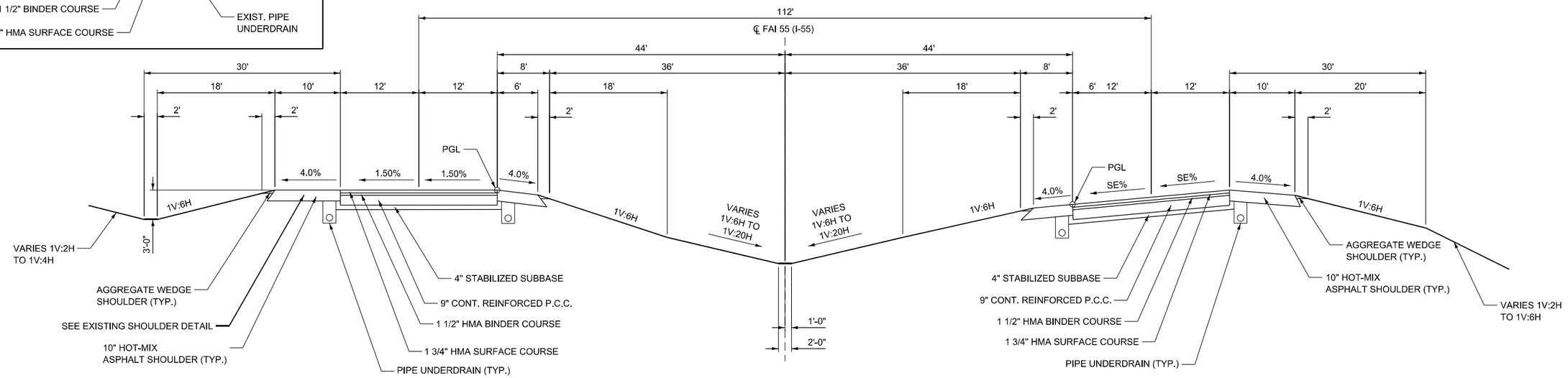
STA. 601+23.43 TO STA. 603+50.00



EXISTING TYPICAL SECTION 2

FAI 55

STATION	TO	STATION
601+23.43	TO	615+72.77



STRUCTURE OMISSIONS

S.N. 057-0169: STA. 606+80.94 TO STA. 610+15.15
S.N. 057-0170: STA. 606+77.73 TO STA. 610+16.92

MODEL: Default
FILE NAME: S:\237\2024\237240110.01 (210-023 WO1 CNT0F93 Str Repairs)\CADD\CADD Sheets\D57I0F93-sht-Typical-dk.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = cadlaz	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/7/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAY
TYPICAL SECTIONS

SCALE: | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	9
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		

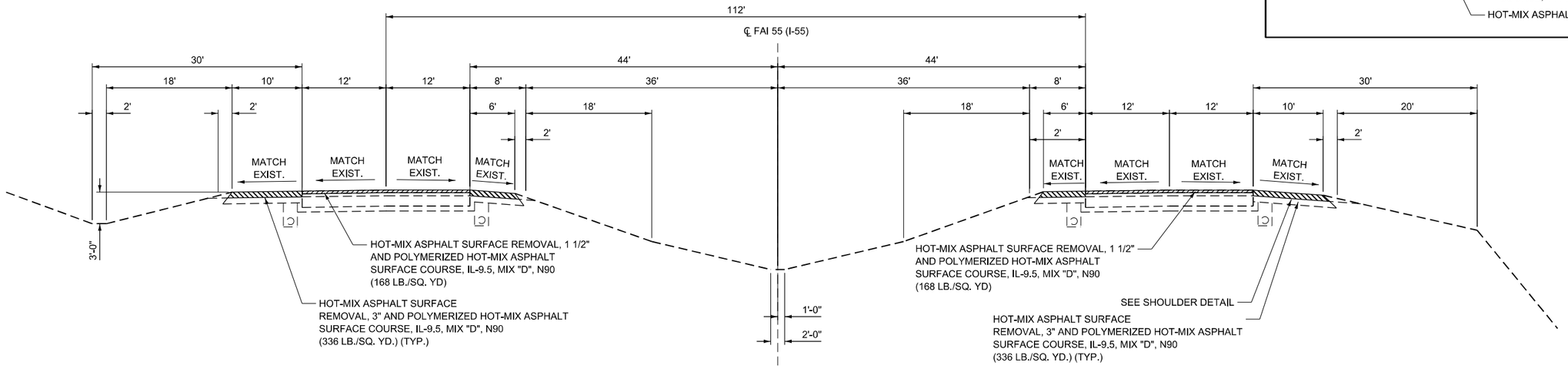
STRUCTURE OMISSIONS

S.N. 057-0167: STA. 586+32.05 TO STA. 590+43.79
S.N. 057-0168: STA. 586+31.95 TO STA. 590+46.67

PROPOSED TYPICAL SECTION 1

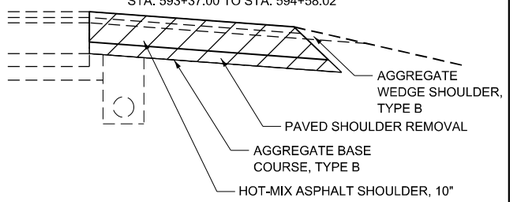
FAI 55

STATION	TO	STATION
582+21.95	TO	594+58.02



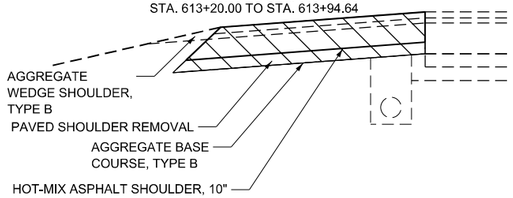
PROPOSED SHOULDER DETAIL

STA. 582+72.05 TO STA. 583+37.00
STA. 593+37.00 TO STA. 594+58.02



PROPOSED SHOULDER DETAIL

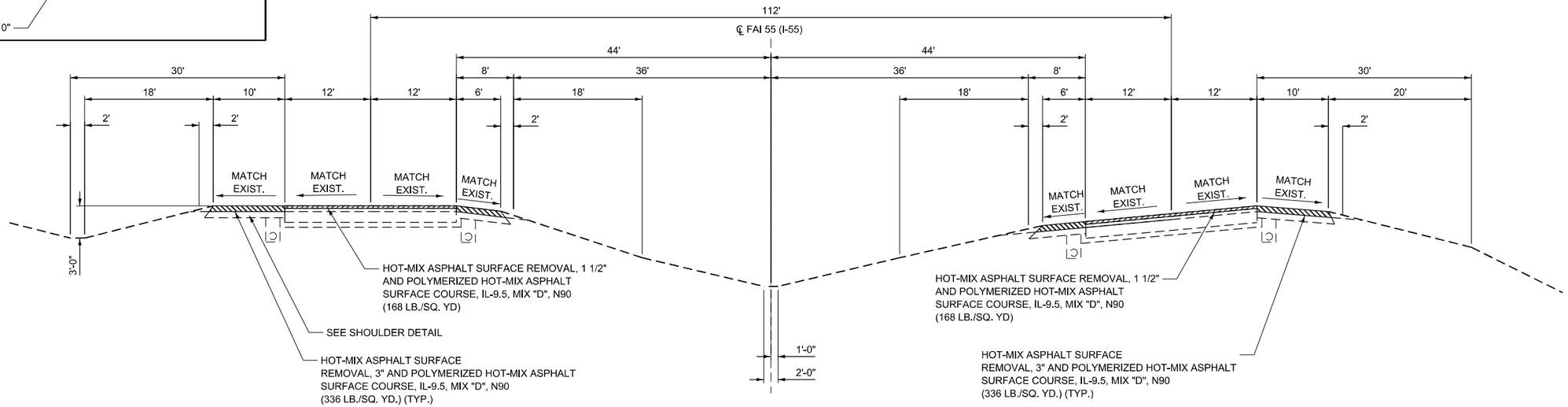
STA. 601+23.43 TO STA. 603+50.00
STA. 613+20.00 TO STA. 613+94.64



PROPOSED TYPICAL SECTION 2

FAI 55

STATION	TO	STATION
601+23.43	TO	615+72.77



STRUCTURE OMISSIONS

S.N. 057-0169: STA. 606+80.94 TO STA. 610+15.15
S.N. 057-0170: STA. 606+77.73 TO STA. 610+16.92

MODEL: Default
FILE NAME: S:\237\2024\2372401\0J1 (2104)\23 WO1 CNT\0F93 Str Repairs\CADD\CADD Sheets\D57\0F93-sht-Typic-dk.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = cadlaz	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 50.000 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 8/15/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAY
TYPICAL SECTIONS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	10
		CONTRACT NO. 70F93		
	ILLINOIS FED. AID PROJECT			

35101400 AGGREGATE BASE COURSE, TYPE B					
LOCATION				TON	REMARKS
S.N. 057-0167 & 057-0168					
582+72.05	TO	583+37.00	LT	5.4	SB PL SHOULDER
582+72.05	TO	583+37.00	LT	8.8	SB DL SHOULDER
593+37.00	TO	594+58.02	RT	10.0	NB PL SHOULDER
593+37.00	TO	594+58.02	RT	16.6	NB DL SHOULDER
S.N. 057-0167 & 057-0168 SUBTOTAL				40.8	
S.N. 057-0169 & 057-0170					
601+23.43	TO	603+50.00	LT	30.7	SB DL SHOULDER
602+69.26	TO	603+50.00	RT	6.5	SB PL SHOULDER
613+20.00	TO	613+94.64	RT	6.6	NB DL SHOULDER
613+20.00	TO	613+94.64	RT	10.5	NB PL SHOULDER
S.N. 057-0169 & 057-0170 SUBTOTAL				54.3	
TOTAL				**95.1**	

40600275 BITUMINOUS MATERIALS (PRIME COAT)					
LOCATION				POUND	REMARKS
S.N. 057-0167 & 057-0168					
582+72.05	TO	583+37.00	LT	107.1	SB PL SHOULDER
582+72.05	TO	583+37.00	LT	176.7	SB DL SHOULDER
593+37.00	TO	594+58.02	RT	171.7	NB PL SHOULDER
593+37.00	TO	594+58.02	RT	303.3	NB DL SHOULDER
S.N. 057-0167 & 057-0168 SUBTOTAL				758.8	
S.N. 057-0169 & 057-0170					
601+23.43	TO	603+50.00	LT	560.7	SB DL SHOULDER
602+69.26	TO	603+50.00	LT	111.1	SB PL SHOULDER
613+20.00	TO	613+94.64	RT	132.4	NB DL SHOULDER
613+20.00	TO	613+94.64	RT	209.1	NB PL SHOULDER
S.N. 057-0169 & 057-0170 SUBTOTAL				1013.3	
TOTAL				**1772.1**	

40600290 BITUMINOUS MATERIALS (TACK COAT)					
LOCATION				POUND	REMARKS
S.N. 057-0167 & 057-0168					
582+21.95	TO	586+31.95	RT	116.5	NB PL SHOULDER
582+21.95	TO	586+31.95	RT	207.3	NB DL SHOULDER
583+37.00	TO	586+32.05	LT	83.5	SB PL SHOULDER
583+37.00	TO	586+32.05	LT	145.6	SB DL SHOULDER
585+71.95	TO	586+31.95	RT	72.6	NB DL/PL
585+72.05	TO	586+32.05	LT	74.0	SB DL/PL
590+43.87	TO	594+53.87	LT	205.9	SB DL SHOULDER
590+43.87	TO	591+03.87	LT	72.9	SB DL/PL
590+43.87	TO	594+53.87	LT	115.1	SB PL SHOULDER
590+48.02	TO	591+08.02	RT	73.4	NB DL/PL
590+48.02	TO	593+37.00	RT	85.0	NB PL SHOULDER
590+48.02	TO	593+37.00	LT	144.1	SB DL SHOULDER
S.N. 057-0167 & 057-0168 SUBTOTAL				1395.9	
S.N. 057-0169 & 057-0170					
602+50.23	TO	606+81.69	RT	115.3	NB PL SHOULDER
602+50.23	TO	606+81.69	RT	212.6	NB DL SHOULDER
603+50.00	TO	606+79.26	LT	93.0	SB PL SHOULDER
603+50.00	TO	606+79.26	LT	166.5	SB DL SHOULDER
606+19.26	TO	606+79.26	LT	73.2	SB DL/PL
606+21.69	TO	606+81.69	RT	72.1	NB DL/PL
610+16.96	TO	613+91.94	LT	104.9	SB PL SHOULDER
610+16.96	TO	610+76.94	LT	73.2	SB DL/PL
610+16.96	TO	615+72.77	LT	275.8	SB DL SHOULDER
610+17.14	TO	613+20.00	RT	93.7	NB PL SHOULDER
610+17.14	TO	610+77.14	RT	73.1	NB DL/PL
610+17.14	TO	613+20.00	RT	150.8	NB DL SHOULDER
S.N. 057-0169 & 057-0170 SUBTOTAL				1504.2	
TOTAL				**2900.1**	

MODEL: Default
FILE NAME: S:\237\2024\23724010\J01 (210-923 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D570F93-uht-Schedule.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = cadlaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.083 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/15/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAY
SCHEDULE OF QUANTITIES

SCALE: | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	11
		CONTRACT NO. 70F93		
	ILLINOIS FED. AID PROJECT			

40604164	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90					
LOCATION					TON	REMARKS
S.N. 057-0167 & 057-0168						
582+21.95	TO	586+31.95	RT		43.5	NB PL SHOULDER
582+21.95	TO	586+31.95	RT		77.4	NB DL SHOULDER
583+37.00	TO	586+32.05	LT		31.2	SB PL SHOULDER
583+37.00	TO	586+32.05	LT		54.4	SB DL SHOULDER
585+71.95	TO	586+31.95	RT		13.6	NB DL/PL
585+72.05	TO	586+32.05	LT		13.8	SB DL/PL
590+43.87	TO	594+53.87	LT		76.8	SB DL SHOULDER
590+43.87	TO	594+53.87	LT		42.9	SB PL SHOULDER
590+43.87	TO	591+03.87	LT		13.6	SB DL/PL
590+48.02	TO	593+37.00	RT		53.8	NB DL SHOULDER
590+48.02	TO	593+37.00	RT		31.7	NB PL SHOULDER
590+48.02	TO	591+08.02	RT		13.7	NB DL/PL
S.N. 057-0167 & 057-0168 SUBTOTAL					466.4	
S.N. 057-0169 & 057-0170						
602+50.23	TO	606+81.69	RT		43.1	NB PL SHOULDER
602+50.23	TO	606+81.69	RT		79.4	NB DL SHOULDER
603+50.00	TO	606+79.26	LT		34.7	SB PL SHOULDER
603+50.00	TO	606+79.26	LT		62.1	SB DL SHOULDER
606+19.26	TO	606+79.26	LT		13.7	SB DL/PL
606+21.69	TO	606+81.69	RT		13.5	NB DL/PL
610+16.94	TO	610+76.94	LT		13.6	SB DL/PL
610+16.94	TO	610+72.77	LT		102.9	SB DL SHOULDER
610+17.14	TO	610+77.14	RT		13.6	NB DL/PL
610+17.14	TO	613+20.00	RT		35.0	NB PL SHOULDER
610+17.14	TO	613+20.00	RT		56.3	NB DL SHOULDER
610+18.95	TO	613+91.94	LT		39.2	SB PL SHOULDER
S.N. 057-0169 & 057-0170 SUBTOTAL					507.1	
TOTAL					**973.5**	

42000060	WELDED WIRE REINFORCEMENT				
LOCATION				SQ YD	REMARKS
S.N. 057-0167 & 057-0168					
586+31.95	TO	586+42.22	RT	46.7	
586+32.05	TO	586+42.20	LT	45.2	
590+33.07	TO	590+43.87	LT	48.5	
590+33.89	TO	590+48.02	RT	63.4	
S.N. 057-0167 & 057-0168 SUBTOTAL				203.8	
S.N. 057-0169 & 057-0170					
606+79.26	TO	606+91.29	LT	54.0	
606+81.69	TO	606+91.76	RT	45.1	
610+04.96	TO	610+16.96	LT	53.7	
610+06.40	TO	610+17.14	RT	46.8	
S.N. 057-0169 & 057-0170 SUBTOTAL				199.6	
TOTAL				**403.4**	

42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB				
LOCATION				SQ YD	REMARKS
S.N. 057-0167 & 057-0168					
586+31.95	TO	586+42.22	RT	46.7	
586+32.05	TO	586+42.20	LT	45.2	
590+33.07	TO	590+43.87	LT	48.5	
590+33.89	TO	590+48.02	RT	63.4	
S.N. 057-0167 & 057-0168 SUBTOTAL				203.8	
S.N. 057-0169 & 057-0170					
606+79.26	TO	606+91.29	LT	54.0	
606+81.69	TO	606+91.76	RT	45.1	
610+04.96	TO	610+16.96	LT	53.7	
610+06.40	TO	610+17.14	RT	46.8	
S.N. 057-0169 & 057-0170 SUBTOTAL				199.6	
TOTAL				**403.4**	

44000100	PAVEMENT REMOVAL				
LOCATION				SQ YD	REMARKS
S.N. 057-0167 & 057-0168					
586+31.95	TO	586+42.38	RT	46.6	
586+32.05	TO	586+42.20	LT	45.1	
590+32.98	TO	590+43.87	LT	48.4	
590+33.89	TO	590+48.02	RT	60.6	
S.N. 057-0167 & 057-0168 SUBTOTAL				200.7	
S.N. 057-0169 & 057-0170					
606+79.26	TO	606+91.42	LT	50.9	
606+81.69	TO	606+91.76	RT	44.8	
610+04.96	TO	610+16.96	LT	50.5	
610+07.01	TO	610+20.60	RT	46.3	
S.N. 057-0169 & 057-0170 SUBTOTAL				192.5	
TOTAL				**393.2**	

44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 11/2"				
LOCATION				SQ YD	REMARKS
S.N. 057-0167 & 057-0168					
585+71.95	TO	586+31.95	RT	161.4	
585+72.05	TO	586+32.05	LT	164.4	
590+43.87	TO	591+03.87	LT	161.9	
590+48.02	TO	591+08.02	RT	163.0	
S.N. 057-0167 & 057-0168 SUBTOTAL				650.7	
S.N. 057-0169 & 057-0170					
606+19.26	TO	606+79.26	LT	162.8	
606+21.69	TO	606+81.69	RT	160.1	
610+16.94	TO	610+76.94	LT	162.7	
610+17.14	TO	610+77.14	RT	162.5	
S.N. 057-0169 & 057-0170 SUBTOTAL				648.1	
TOTAL				**1298.8**	

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = cadlaz	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.083 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/15/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAY
SCHEDULE OF QUANTITIES

SCALE: | SHEET 2 OF 7 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	12
		CONTRACT NO. 70F93		
	ILLINOIS FED. AID PROJECT			

44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"					
LOCATION					SQ YD	REMARKS
S.N. 057-0167 & 057-0168						
582+21.95	TO	586+31.95	RT		258.9	NB PL SHOULDER
582+21.95	TO	586+31.95	RT		460.6	NB DL SHOULDER
583+37.00	TO	586+32.05	LT		185.6	SB PL SHOULDER
583+37.00	TO	586+32.05	LT		323.6	SB DL SHOULDER
590+43.87	TO	594+53.87	LT		457.5	SB DL SHOULDER
590+43.87	TO	594+53.87	LT		255.7	SB PL SHOULDER
590+48.02	TO	593+37.00	RT		320.3	NB DL SHOULDER
590+48.02	TO	593+37.00	RT		189.0	NB PL SHOULDER
S.N. 057-0167 & 057-0168 SUBTOTAL					2451.2	
S.N. 057-0169 & 057-0170						
602+50.23	TO	606+81.69	RT		256.3	NB PL SHOULDER
602+50.23	TO	606+81.69	RT		472.4	NB DL SHOULDER
603+50.00	TO	606+79.26	LT		206.6	SB PL SHOULDER
603+50.00	TO	606+79.26	LT		369.9	SB DL SHOULDER
610+16.94	TO	610+72.77	LT		612.9	SB DL SHOULDER
610+18.95	TO	613+91.94	LT		233.2	SB PL SHOULDER
610+17.14	TO	613+20.00	RT		208.3	NB PL SHOULDER
610+17.14	TO	613+20.00	RT		335.1	NB DL SHOULDER
S.N. 057-0169 & 057-0170 SUBTOTAL					2694.7	
TOTAL					**5145.9**	

44004250	PAVED SHOULDER REMOVAL					
LOCATION					SQ YD	REMARKS
S.N. 057-0167 & 057-0168						
582+72.05	TO	583+37.00	LT		40.4	SB PL SHOULDER
582+72.05	TO	583+37.00	LT		71.3	SB DL SHOULDER
586+32.05	TO	586+32.15	LT		0.1	SB PL SHOULDER
586+32.05	TO	586+32.23	LT		0.1	SB DL SHOULDER
586+31.95	TO	586+32.08	RT		0.1	NB PL SHOULDER
586+31.95	TO	586+32.11	RT		0.1	NB DL SHOULDER
590+43.77	TO	590+43.87	LT		0.1	SB DL SHOULDER
590+43.77	TO	590+43.87	LT		0.1	SB PL SHOULDER
590+46.28	TO	590+48.02	RT		1.1	NB PL SHOULDER
590+46.47	TO	590+48.02	RT		1.6	NB DL SHOULDER
593+37.00	TO	594+58.02	RT		76.3	NB PL SHOULDER
593+37.00	TO	594+58.00	RT		134.8	NB DL SHOULDER
S.N. 057-0167 & 057-0168 SUBTOTAL					326.1	
S.N. 057-0169 & 057-0170						
601+23.43	TO	603+50.00	LT		249.1	SB DL SHOULDER
602+69.26	TO	603+50.00	LT		49.3	SB PL SHOULDER
606+79.26	TO	606+81.19	LT		2.1	SB DL SHOULDER
606+79.26	TO	606+81.16	LT		1.2	SB PL SHOULDER
606+81.69	TO	606+81.81	RT		0.1	NB DL SHOULDER
606+81.69	TO	606+82.18	RT		0.3	NB PL SHOULDER
610+15.01	TO	610+16.94	LT		1.2	SB PL SHOULDER
610+15.15	TO	610+16.96	LT		2.0	SB DL SHOULDER
610+16.53	TO	610+17.14	RT		0.1	NB PL SHOULDER
610+16.92	TO	610+17.14	RT		0.4	NB DL SHOULDER
613+20.00	TO	613+94.64	RT		50.5	NB PL SHOULDER
613+20.00	TO	613+94.64	RT		84.6	NB DL SHOULDER
S.N. 057-0169 & 057-0170 SUBTOTAL					440.9	
TOTAL					**767.0**	

48102100	AGGREGATE WEDGE SHOULDER, TYPE B					
LOCATION					TON	REMARKS
S.N. 057-0167 & 057-0168						
582+72.05	TO	583+37.00	LT		5.7	SB PL SHOULDER
582+72.05	TO	583+37.00	LT		5.7	SB DL SHOULDER
593+37.00	TO	594+58.02	RT		10.6	NB PL SHOULDER
593+37.00	TO	594+58.02	RT		10.5	NB DL SHOULDER
S.N. 057-0167 & 057-0168 SUBTOTAL					32.5	
S.N. 057-0169 & 057-0170						
601+23.43	TO	603+50.00	LT		19.9	SB DL SHOULDER
602+69.26	TO	603+50.00	LT		7.1	SB PL SHOULDER
613+20.00	TO	613+94.64	RT		6.5	NB DL SHOULDER
613+20.00	TO	613+94.64	RT		6.5	NB PL SHOULDER
S.N. 057-0169 & 057-0170 SUBTOTAL					40.0	
TOTAL					**72.5**	

48203037	HOT-MIX ASPHALT SHOULDERS, 10"					
LOCATION					SQ YD	REMARKS
S.N. 057-0167 & 057-0168						
582+72.05	TO	583+37.00	LT		40.4	SB PL SHOULDER
582+72.05	TO	583+37.00	LT		71.3	SB DL SHOULDER
593+37.00	TO	594+58.02	RT		76.3	NB PL SHOULDER
593+37.00	TO	594+58.02	RT		134.8	NB DL SHOULDER
S.N. 057-0167 & 057-0168 SUBTOTAL					322.8	
S.N. 057-0169 & 057-0170						
601+23.43	TO	603+50.00	LT		249.2	SB DL SHOULDER
602+69.26	TO	603+50.00	RT		49.4	SB PL SHOULDER
613+20.00	TO	613+94.64	RT		50.5	NB PL SHOULDER
613+20.00	TO	613+94.64	RT		84.7	NB DL SHOULDER
S.N. 057-0169 & 057-0170 SUBTOTAL					433.8	
TOTAL					**756.6**	

63300575	REMOVE AND REERECT RAIL ELEMENT OF EXISTING GUARDRAIL					
LOCATION					FOOT	REMARKS
S.N. 057-0167 & 057-0168						
583+14.85	TO	586+69.33	RT		354.7	NB PL SHOULDER
583+77.86	TO	586+68.46	RT		290.8	NB DL SHOULDER
590+07.84	TO	592+98.77	LT		291.2	SB DL SHOULDER
590+07.75	TO	593+14.67	LT		306.9	SB PL SHOULDER
S.N. 057-0167 & 057-0168 SUBTOTAL					1243.6	
S.N. 057-0169 & 057-0170						
604+03.63	TO	607+09.90	RT		305.3	NB PL SHOULDER
604+14.74	TO	607+08.37	RT		291.9	NB DL SHOULDER
609+86.25	TO	612+29.79	LT		243.8	SB DL SHOULDER
609+86.69	TO	613+39.90	LT		353.5	SB PL SHOULDER
S.N. 057-0169 & 057-0170 SUBTOTAL					1194.5	
TOTAL					**2438.0**	

64200116	SHOULDER RUMBLE STRIPS, 16 INCH					
LOCATION					FOOT	REMARKS
S.N. 057-0167 & 057-0168						
582+21.95	TO	586+31.95	RT		410.0	NB PL SHOULDER
582+21.95	TO	586+31.95	RT		410.0	NB DL SHOULDER
582+72.05	TO	586+32.05	LT		360.0	SB DL SHOULDER
582+72.05	TO	586+32.05	LT		360.0	SB PL SHOULDER
590+43.87	TO	594+53.87	LT		410.2	SB DL SHOULDER
590+43.87	TO	594+53.87	LT		410.2	SB PL SHOULDER
590+48.02	TO	594+58.02	RT		409.8	NB PL SHOULDER
590+48.02	TO	594+58.02	RT		409.8	NB DL SHOULDER
S.N. 057-0167 & 057-0168 SUBTOTAL					3180.0	
S.N. 057-0169 & 057-0170						
601+23.43	TO	606+79.26	LT		559.2	SB DL SHOULDER
602+50.23	TO	606+81.69	RT		428.9	NB DL SHOULDER
602+50.23	TO	606+81.69	RT		429.9	NB PL SHOULDER
602+69.26	TO	606+79.27	LT		411.5	SB PL SHOULDER
610+16.94	TO	613+91.94	LT		375.0	SB PL SHOULDER
610+16.96	TO	615+72.77	LT		555.9	SB DL SHOULDER
610+17.14	TO	613+94.64	RT		377.5	NB PL SHOULDER
610+17.14	TO	613+94.64	RT		377.5	NB DL SHOULDER
S.N. 057-0169 & 057-0170 SUBTOTAL					3515.4	
TOTAL					**6695.4**	

66500105	WOVEN WIRE FENCE, 4'				
LOCATION				FOOT	REMARKS
S.N. 057-0167 & 057-0168					
586+72.77	TO	586+72.83		71.1	
590+02.97	TO	590+03.37		71.0	
00+00.00	S.N. 057-0167 & 057-0168 SUBTOTAL			142.1	
S.N. 057-0169 & 057-0170					
607+08.44	TO	607+09.70		70.5	
609+87.93	TO	609+88.91		73.5	
S.N. 057-0169 & 057-0170 SUBTOTAL				144.0	
TOTAL				**286.1**	

70106700	TEMPORARY RUMBLE STRIPS			
LOCATION			EACH	REMARKS
S.N. 057-0167 & 057-0168				
NB I-55		RT	4.0	STG I/II APPROACH
S.N. 057-0167 & 057-0168 SUBTOTAL			4.0	
S.N. 057-0169 & 057-0170				
SB I-55		LT	4.0	STG I/II APPROACH
S.N. 057-0169 & 057-0170 SUBTOTAL			4.0	
TOTAL			**8.0**	

70107007	PAVEMENT MARKING BLACKOUT TAPE, 7"					
LOCATION					FOOT	REMARKS
S.N. 057-0167 & 057-0168						
583+39.43	TO	593+40.53	RT		1001.1	STAGE I EOP
583+21.95	TO	585+71.95	RT		250.0	STAGE II EOP
583+89.55	TO	593+36.36	LT		946.9	STAGE I EOP
583+72.05	TO	585+72.05	LT		200.0	STAGE II EOP
591+03.87	TO	593+53.87	LT		250.0	STAGE II EOP
591+08.02	TO	593+58.02	RT		250.0	STAGE II EOP
S.N. 057-0167 & 057-0168 SUBTOTAL					2898.0	
S.N. 057-0169 & 057-0170						
602+23.43	TO	614+72.77	LT		1249.3	STAGE I EOP
603+69.26	TO	606+19.26	LT		250.0	STAGE II EOP
603+50.23	TO	612+94.64	RT		944.4	STAGE I EOP
603+67.47	TO	606+21.69	RT		254.3	STAGE II EOP
610+76.94	TO	612+91.94	LT		215.0	STAGE II EOP
610+77.14	TO	612+77.14	RT		200.0	STAGE II EOP
S.N. 057-0169 & 057-0170 SUBTOTAL					3113.0	
TOTAL					**6011.0**	

70107025	CHANGEABLE MESSAGE SIGN		
LOCATION		CAL DA	REMARKS
S.N. 057-0167 & 057-0168			
NB I-55		216.0	
S.N. 057-0167 & 057-0168 SUBTOTAL		216.0	
S.N. 057-0169 & 057-0170			
SB I-55		216.0	
S.N. 057-0169 & 057-0170 SUBTOTAL		216.0	
TOTAL		**432.0**	

70300150	SHORT TERM PAVEMENT MARKING REMOVAL					
LOCATION					SQ FT	REMARKS
S.N. 057-0167 & 057-0168						
583+39.43	TO	593+40.53	RT		584.0	STAGE I EOP
583+21.95	TO	585+71.95	RT		145.8	STAGE II EOP
583+89.55	TO	593+36.36	LT		552.3	STAGE I EOP
583+72.05	TO	585+72.05	LT		116.7	STAGE II EOP
591+03.87	TO	593+53.87	LT		145.8	STAGE II EOP
591+08.02	TO	591+33.02	RT		14.6	STAGE II EOP
S.N. 057-0167 & 057-0168 SUBTOTAL					1559.2	
S.N. 057-0169 & 057-0170						
602+23.43	TO	614+72.77	LT		728.8	STAGE I EOP
603+69.26	TO	606+19.26	LT		145.8	STAGE II EOP
603+50.23	TO	612+77.14	RT		540.7	STAGE I EOP
603+67.47	TO	606+21.69	RT		148.3	STAGE II EOP
610+76.94	TO	612+91.94	LT		125.4	STAGE II EOP
610+77.14	TO	612+77.14	RT		116.7	STAGE II EOP
S.N. 057-0169 & 057-0170 SUBTOTAL					1805.7	
TOTAL					**3364.9**	

70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE					
LOCATION					FOOT	REMARKS
S.N. 057-0167 & 057-0168						
568+39.44	TO	593+40.54	RT		2501.3	STAGE I - YELLOW
583+39.43	TO	593+40.53	RT		1001.2	STAGE I - WHITE
583+89.55	TO	593+36.37	LT		947.0	STAGE I - YELLOW
583+89.55	TO	593+36.37	LT		946.9	STAGE I - WHITE
568+21.95	TO	593+58.01	RT		2536.3	STAGE II - WHITE
583+81.97	TO	593+58.02	RT		1036.2	STAGE II - YELLOW
583+72.05	TO	593+53.87	LT		982.0	STAGE II - YELLOW
583+72.05	TO	593+53.87	LT		981.9	STAGE II - WHITE
S.N. 057-0167 & 057-0168 SUBTOTAL					10932.8	
S.N. 057-0169 & 057-0170						
602+23.43	TO	614+72.77	LT		1254.8	STAGE I - WHITE
602+23.41	TO	611+02.14	RT		748.5	STAGE I - YELLOW
603+50.23	TO	611+02.14	RT		747.7	STAGE I - WHITE
602+23.41	TO	643+56.45	LT		4137.9	STAGE I - YELLOW
110+65.48	TO	112+59.47	LT		196.4	STAGE I - WHITE - RAMP A
111+44.27	TO	122+26.27	RT		1082.3	STAGE I - WHITE - RAMP A
603+67.53	TO	612+77.14	RT		907.5	STAGE II - YELLOW
603+67.47	TO	612+77.14	RT		906.9	STAGE II - WHITE
603+69.26	TO	612+91.94	LT		925.1	STAGE II - YELLOW
603+69.26	TO	632+19.41	LT		2854.5	STAGE II - WHITE
629+51.62	TO	642+19.77	LT		1268.2	STAGE II - WHITE
110+65.48	TO	115+48.72	LT		485.7	STAGE II - YELLOW - RAMP A
S.N. 057-0169 & 057-0170 SUBTOTAL					15515.5	
TOTAL					**26448.3**	

70400100	TEMPORARY CONCRETE BARRIER				
LOCATION				FOOT	REMARKS
S.N. 057-0167 & 057-0168					
583+81.51	TO	591+33.10	RT	762.5	STAGE I
585+47.05	TO	592+92.25	LT	750.0	STAGE I
S.N. 057-0167 & 057-0168 SUBTOTAL				1512.5	
S.N. 057-0169 & 057-0170					
603+68.70	TO	604+32.60		50.0	STAGE II
604+32.57	TO	611+02.14	RT	675.0	STAGE I
605+94.26	TO	613+40.03	LT	750.0	STAGE I
S.N. 057-0169 & 057-0170 SUBTOTAL				1475.0	
TOTAL				**2987.5**	

70400125	PINNING TEMPORARY CONCRETE BARRIER				
LOCATION				EACH	REMARKS
S.N. 057-0169 & 057-0170					
606+54.26	TO	609+73.96	LT	78.0	S.N. 057-0169 - STAGE I
S.N. 057-0169 & 057-0170 SUBTOTAL				78.0	
TOTAL				**78.0**	

70400200	RELOCATE TEMPORARY CONCRETE BARRIER				
LOCATION				FOOT	REMARKS
S.N. 057-0167 & 057-0168					
583+62.24	TO	591+33.02	RT	775.0	
585+47.05	TO	59316+00.00	LT	775.0	
S.N. 057-0167 & 057-0168 SUBTOTAL				1550.0	
S.N. 057-0169 & 057-0170					
604+32.60	TO	611+02.14	RT	687.5	
605+94.26	TO	612+80.45	LT	700.0	
S.N. 057-0169 & 057-0170 SUBTOTAL				1387.5	
TOTAL				**2937.5**	

70600305	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 3				
LOCATION				EACH	REMARKS
S.N. 057-0167 & 057-0168					
583+73.51		47.7'	RT	1.0	
593+00.24		48.0'	LT	1.0	
S.N. 057-0167 & 057-0168 SUBTOTAL				2.0	
S.N. 057-0169 & 057-0170					
604+24.54		47.3'	RT	1.0	
613+48.04		48.0'	LT	1.0	
S.N. 057-0169 & 057-0170 SUBTOTAL				2.0	
TOTAL				**4.0**	

70600330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3				
LOCATION				EACH	REMARKS
S.N. 057-0167 & 057-0168					
583+54.24		64.2'	RT	1.0	
593+24.00		64.2'	LT	1.0	
S.N. 057-0167 & 057-0168 SUBTOTAL				2.0	
S.N. 057-0169 & 057-0170					
603+60.66		64.0'	RT	1.0	
612+88.45		64.8'	LT	1.0	
S.N. 057-0169 & 057-0170 SUBTOTAL				2.0	
TOTAL				**4.0**	

MODEL: Default
FILE NAME: S:\237\2024\237240110.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D57\0F93-sht-Schedule.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = cadiaz	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.083 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/15/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAY
SCHEDULE OF QUANTITIES

SCALE: | SHEET 5 OF 7 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	15
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		

78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"					
LOCATION					FOOT	REMARKS
S.N. 057-0167 & 057-0168						
585+71.95	TO	586+31.95	RT		60.0	SOLID - WHITE
585+71.95	TO	586+31.95	RT		60.0	SKIP-DASH - WHITE
585+71.95	TO	586+31.95	RT		60.0	SOLID - YELLOW
585+72.05	TO	586+32.05	LT		60.0	SOLID - WHITE
585+72.05	TO	586+32.05	LT		60.0	SKIP-DASH - WHITE
585+72.05	TO	586+32.05	LT		60.0	SOLID - YELLOW
590+48.02	TO	591+08.02	RT		60.0	SOLID - WHITE
590+48.02	TO	591+08.02	RT		60.0	SKIP-DASH - WHITE
590+48.02	TO	591+08.02	RT		60.0	SOLID - YELLOW
590+43.87	TO	591+03.87	LT		60.0	SOLID - WHITE
590+43.87	TO	591+03.87	LT		60.0	SKIP-DASH - WHITE
590+43.87	TO	591+03.87	LT		60.0	SOLID - YELLOW
S.N. 057-0167 & 057-0168 SUBTOTAL					720.0	
S.N. 057-0169 & 057-0170						
606+19.26	TO	606+79.26	LT		60.0	SOLID - WHITE
606+19.26	TO	606+79.26	LT		60.0	SKIP-DASH - WHITE
606+19.26	TO	606+79.26	LT		60.0	SOLID - YELLOW
606+21.69	TO	606+81.69	RT		60.0	SOLID - WHITE
606+21.69	TO	606+81.69	RT		60.0	SKIP-DASH - WHITE
606+21.69	TO	606+81.69	RT		60.0	SOLID - YELLOW
610+16.94	TO	610+76.94	LT		60.0	SOLID - WHITE
610+16.94	TO	610+76.94	LT		60.0	SKIP-DASH - WHITE
610+16.94	TO	610+76.94	LT		60.0	SOLID - YELLOW
610+17.14	TO	610+77.14	RT		60.0	SOLID - WHITE
610+17.14	TO	610+77.14	RT		60.0	SKIP-DASH - WHITE
610+17.14	TO	610+77.14	RT		60.0	SOLID - YELLOW
S.N. 057-0169 & 057-0170 SUBTOTAL					720.0	
TOTAL					**1440.0**	

78008330	POLYUREA PAVEMENT MARKING TYPE II - LINE 6"					
LOCATION					FOOT	REMARKS
S.N. 057-0167 & 057-0168						
586+31.95	TO	590+48.02	RT		416.1	SOLID - WHITE
586+31.95	TO	590+48.02	RT		416.1	SKIP-DASH - WHITE
586+31.95	TO	590+48.02	RT		416.1	SOLID - YELLOW
586+32.05	TO	590+43.87	LT		411.8	SOLID - WHITE
586+32.05	TO	590+43.87	LT		411.8	SKIP-DASH - WHITE
586+32.05	TO	590+43.87	LT		411.8	SOLID - YELLOW
S.N. 057-0167 & 057-0168 SUBTOTAL					2483.7	
S.N. 057-0169 & 057-0170						
606+79.26	TO	610+16.94	LT		337.7	SOLID - WHITE
606+79.26	TO	610+16.94	LT		337.7	SKIP-DASH - WHITE
606+79.26	TO	610+16.94	LT		337.7	SOLID - YELLOW
606+81.69	TO	610+17.14	RT		335.4	SOLID - WHITE
606+81.69	TO	610+17.14	RT		335.4	SKIP-DASH - WHITE
606+81.69	TO	610+17.14	RT		335.4	SOLID - YELLOW
S.N. 057-0169 & 057-0170 SUBTOTAL					2019.3	
TOTAL					**4503.0**	

78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"					
LOCATION					FOOT	REMARKS
S.N. 057-0167 & 057-0168						
585+71.95	TO	591+08.02	RT		536.1	SOLID - WHITE
585+71.95	TO	591+08.02	RT		536.1	SKIP-DASH - WHITE
585+71.95	TO	591+08.02	RT		536.1	SOLID - YELLOW
585+72.05	TO	591+03.87	LT		531.8	SOLID - WHITE
585+72.05	TO	591+03.87	LT		531.8	SKIP-DASH - WHITE
585+72.05	TO	591+03.87	LT		531.8	SOLID - YELLOW
S.N. 057-0167 & 057-0168 SUBTOTAL					3203.7	
S.N. 057-0169 & 057-0170						
606+19.26	TO	610+76.94	RT		457.7	SOLID - WHITE
606+19.26	TO	610+76.94	RT		457.7	SKIP-DASH - WHITE
606+19.26	TO	610+76.94	RT		457.7	SOLID - YELLOW
606+21.69	TO	610+77.14	LT		455.4	SOLID - WHITE
606+21.69	TO	610+77.14	LT		455.4	SKIP-DASH - WHITE
606+21.69	TO	610+77.14	LT		455.4	SOLID - YELLOW
S.N. 057-0169 & 057-0170 SUBTOTAL					2739.3	
TOTAL					**5943.0**	

78100100	RAISED REFLECTIVE PAVEMENT MARKER					
LOCATION					EACH	REMARKS
S.N. 057-0167 & 057-0168						
585+71.95	TO	586+31.95	RT		2.0	NB DL/PL
585+72.05	TO	586+32.05	LT		2.0	SB DL/PL
590+43.87	TO	591+03.87	LT		2.0	SB DL/PL
590+48.02	TO	591+08.02	RT		2.0	NB DL/PL
S.N. 057-0167 & 057-0168 SUBTOTAL					8.0	
S.N. 057-0169 & 057-0170						
606+19.26	TO	606+79.26	LT		2.0	SB DL/PL
606+21.69	TO	606+81.69	RT		2.0	NB DL/PL
610+16.95	TO	610+76.94	LT		2.0	SB DL/PL
610+17.14	TO	610+77.14	RT		2.0	NB DL/PL
S.N. 057-0169 & 057-0170 SUBTOTAL					8.0	
TOTAL					**16.0**	

78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL					
LOCATION					EACH	REMARKS
S.N. 057-0167 & 057-0168						
585+71.95	TO	586+31.95	RT		2.0	NB DL/PL
585+72.05	TO	586+32.05	LT		2.0	SB DL/PL
590+43.87	TO	591+03.87	LT		2.0	SB DL/PL
590+48.02	TO	591+08.02	RT		2.0	NB DL/PL
S.N. 057-0167 & 057-0168 SUBTOTAL					8.0	
S.N. 057-0169 & 057-0170						
606+19.26	TO	606+79.26	LT		2.0	SB DL/PL
606+21.69	TO	606+81.69	RT		2.0	NB DL/PL
610+16.95	TO	610+76.94	LT		2.0	SB DL/PL
610+17.14	TO	610+77.14	RT		2.0	NB DL/PL
S.N. 057-0169 & 057-0170 SUBTOTAL					8.0	
TOTAL					**16.0**	

X6330103	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 1SPECIAL, TANGENT					
LOCATION					EACH	REMARKS
S.N. 057-0167 & 057-0168						
593+14.67	TO	593+61.98	LT		1.0	SB PL SHOULDER
		S.N. 057-0167 & 057-0168 SUBTOTAL			1.0	
S.N. 057-0169 & 057-0170						
603+53.49	TO	604+03.63	RT		1.0	NB PL SHOULDER
612+29.79	TO	612+77.91	LT		1.0	SB DL SHOULDER
		S.N. 057-0169 & 057-0170 SUBTOTAL			2.0	
				TOTAL	**3.0**	

X6640104	FENCE REMOVAL				
LOCATION				FOOT	REMARKS
S.N. 057-0167 & 057-0168					
586+72.77	TO	586+72.83		71.1	
590+02.97	TO	590+03.37		71.0	
		S.N. 057-0167 & 057-0168 SUBTOTAL		142.1	
S.N. 057-0169 & 057-0170					
607+08.44	TO	607+09.70		70.5	
609+87.93	TO	609+88.91		73.5	
		S.N. 057-0169 & 057-0170 SUBTOTAL		144.0	
			TOTAL	**286.1**	

X7011854	REAL-TIME TRAFFIC CONTROL CENTRAL BASE UNIT			
LOCATION			CAL MO	REMARKS
S.N. 057-0167 & 057-0168				
I-55			3.5	
		S.N. 057-0167 & 057-0168 SUBTOTAL	3.5	
S.N. 057-0169 & 057-0170				
I-55			3.5	
		S.N. 057-0169 & 057-0170 SUBTOTAL	3.5	
		TOTAL	**7.0**	

X7011856	REAL-TIME TRAFFIC CONTROL SENSOR UNIT		
LOCATION		CAL MO	REMARKS
S.N. 057-0167 & 057-0168			
NB I-55		56.0	
	S.N. 057-0167 & 057-0168 SUBTOTAL	56.0	
S.N. 057-0169 & 057-0170			
SB I-55		56.0	
	S.N. 057-0169 & 057-0170 SUBTOTAL	56.0	
	TOTAL	**112.0**	

X7011860	REAL-TIME TRAFFIC CONTROL WARNING SIGN		
LOCATION		CAL MO	REMARKS
S.N. 057-0167 & 057-0168			
NB I-55		28.0	
	S.N. 057-0167 & 057-0168 SUBTOTAL	28.0	
S.N. 057-0169 & 057-0170			
SB I-55		28.0	
	S.N. 057-0169 & 057-0170 SUBTOTAL	28.0	
	TOTAL	**56.0**	

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = cadiaz	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.083 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/15/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

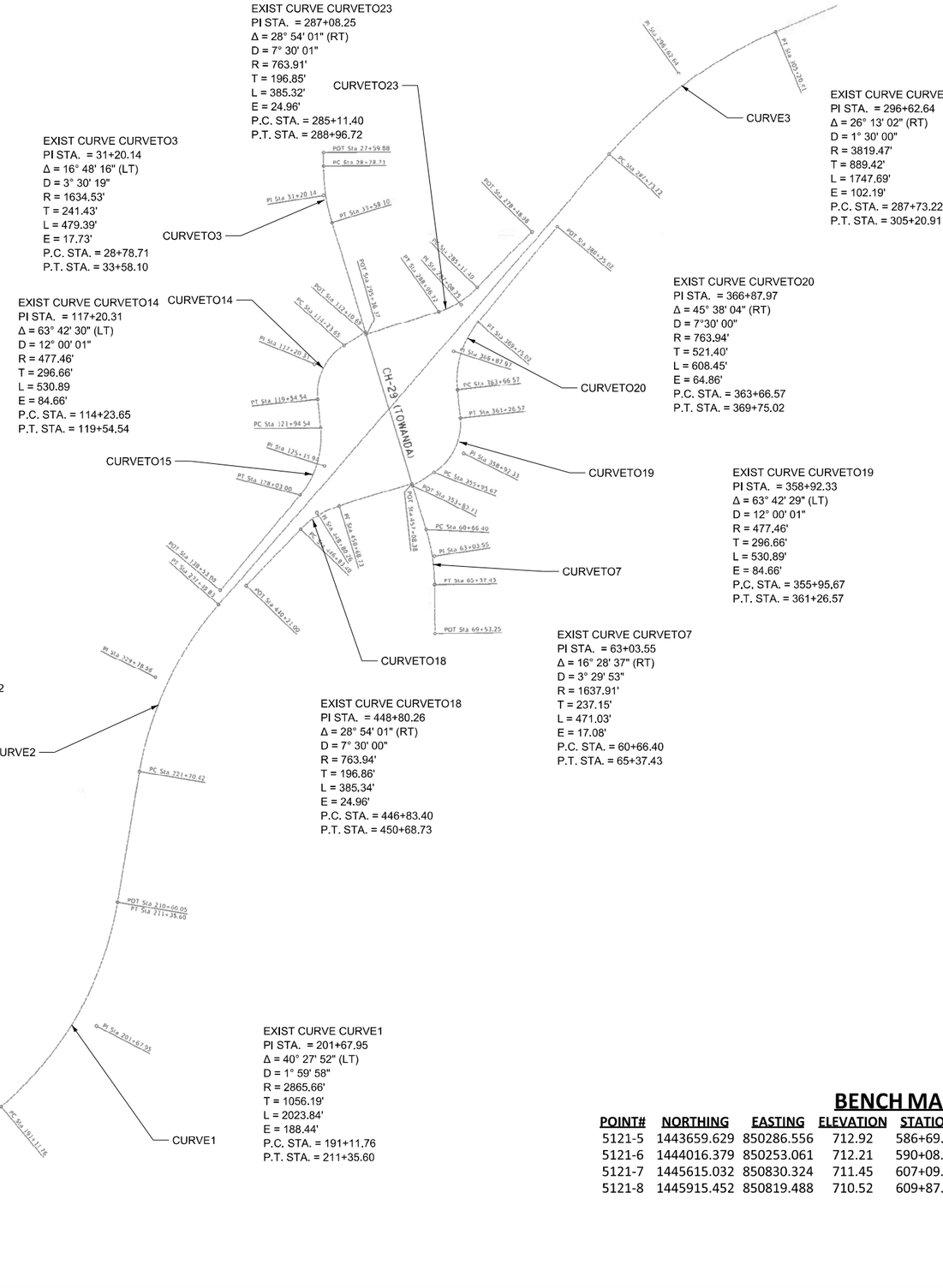
INTERSTATE 55 BRIDGE DECK OVERLAY
SCHEDULE OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	17
		CONTRACT NO. 70F93		
	ILLINOIS FED. AID PROJECT			

I-55 CENTERLINE

TOWANDA-LEXINGTON



EXIST CURVE CURVETO23
PI STA. = 287+08.25
Δ = 28° 54' 01" (RT)
D = 7° 30' 01"
R = 763.91'
T = 196.85'
L = 385.32'
E = 24.96'
P.C. STA. = 285+11.40
P.T. STA. = 288+96.72

EXIST CURVE CURVETO3
PI STA. = 31+20.14
Δ = 16° 48' 16" (LT)
D = 3° 30' 19"
R = 1634.53'
T = 241.43'
L = 479.39'
E = 17.73'
P.C. STA. = 28+78.71
P.T. STA. = 33+58.10

EXIST CURVE CURVETO14
PI STA. = 117+20.31
Δ = 63° 42' 30" (LT)
D = 12° 00' 01"
R = 477.46'
T = 296.66'
L = 530.89
E = 84.66'
P.C. STA. = 114+23.65
P.T. STA. = 119+54.54

EXIST CURVE CURVETO15
PI STA. = 125+15.94
Δ = 45° 38' 04" (RT)
D = 7° 30' 00"
R = 763.94'
T = 321.40'
L = 608.45'
E = 64.86'
P.C. STA. = 121+94.54
P.T. STA. = 128+03.00

EXIST CURVE CURVE3
PI STA. = 296+62.64
Δ = 26° 13' 02" (RT)
D = 1° 30' 00"
R = 3819.47'
T = 889.42'
L = 1747.69'
E = 102.19'
P.C. STA. = 287+73.22
P.T. STA. = 305+20.91

EXIST CURVE CURVETO20
PI STA. = 366+87.97
Δ = 45° 38' 04" (RT)
D = 7°30' 00"
R = 763.94'
T = 521.40'
L = 608.45'
E = 64.86'
P.C. STA. = 363+66.57
P.T. STA. = 369+75.02

EXIST CURVE CURVETO19
PI STA. = 358+92.33
Δ = 63° 42' 29" (LT)
D = 12° 00' 01"
R = 477.46'
T = 296.66'
L = 530.89'
E = 84.66'
P.C. STA. = 355+95.67
P.T. STA. = 361+26.57

EXIST CURVE CURVETO7
PI STA. = 63+03.55
Δ = 16° 28' 37" (RT)
D = 3° 29' 53"
R = 1637.91'
T = 237.15'
L = 471.03'
E = 17.08'
P.C. STA. = 60+66.40
P.T. STA. = 65+37.43

EXIST CURVE CURVETO18
PI STA. = 448+80.26
Δ = 28° 54' 01" (RT)
D = 7° 30' 00"
R = 763.94'
T = 196.86'
L = 385.34'
E = 24.96'
P.C. STA. = 446+83.40
P.T. STA. = 450+68.73

EXIST CURVE CURVE2
PI STA. = 229+78.58
Δ = 31° 29' 48" (RT)
D = 1° 59' 57"
R = 2865.85'
T = 808.16'
L = 1575.41'
E = 111.77'
P.C. STA. = 221+70.42
P.T. STA. = 237+45.83

EXIST CURVE CURVE1
PI STA. = 201+67.95
Δ = 40° 27' 52" (LT)
D = 1° 59' 58"
R = 2865.66'
T = 1056.19'
L = 2023.84'
E = 188.44'
P.C. STA. = 191+11.76
P.T. STA. = 211+35.60

BENCH MARK REPORT

POINT#	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTION
5121-5	1443659.629	850286.556	712.92	586+69.83	78.89 RT	Chiseled Square SE wing of Str # 057-0168
5121-6	1444016.379	850253.061	712.21	590+08.84	37.15 LT	Chiseled Square NE wing of Str # 057-0167
5121-7	1445615.032	850830.324	711.45	607+09.66	78.40 RT	Chiseled Square SE wing of Str # 057-0170
5121-8	1445915.452	850819.488	710.52	609+87.45	37.71 LT	Chiseled Square NE wing of Str # 057-0169

MODEL: Default
FILE NAME: S:\237-2024\237240010\J01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D570F93-uIH-ATB.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = cadlaz	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.083 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/7/2025	DATE -	REVISED -	

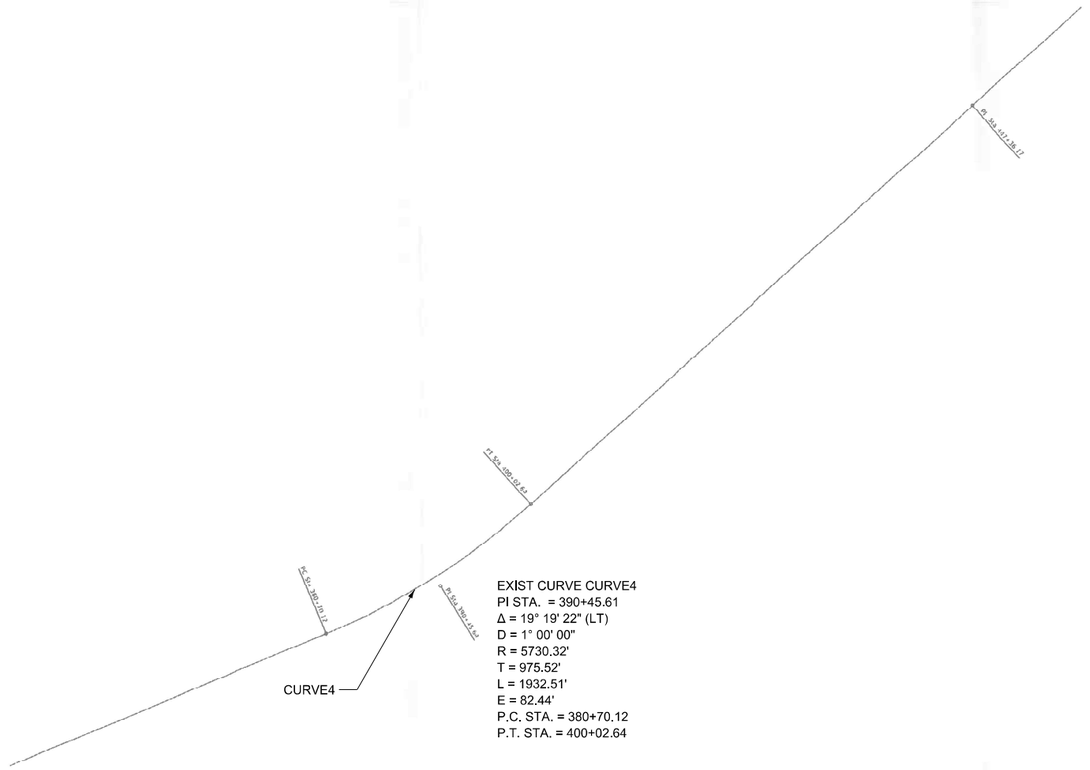
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAY
ALIGNMENT DIAGRAM

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	18
		CONTRACT NO. 70F93		
	ILLINOIS FED. AID PROJECT			

I-55 CENTERLINE
TOWANDA-LEXINGTON



EXIST CURVE CURVE4
PI STA. = 390+45.61
Δ = 19° 19' 22" (LT)
D = 1° 00' 00"
R = 5730.32'
T = 975.52'
L = 1932.51'
E = 82.44'
P.C. STA. = 380+70.12
P.T. STA. = 400+02.64

MODEL: Default
FILE NAME: S:\237\2024\2372401\01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D570F93-alh-ATB.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = cadlaz	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.083 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/7/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

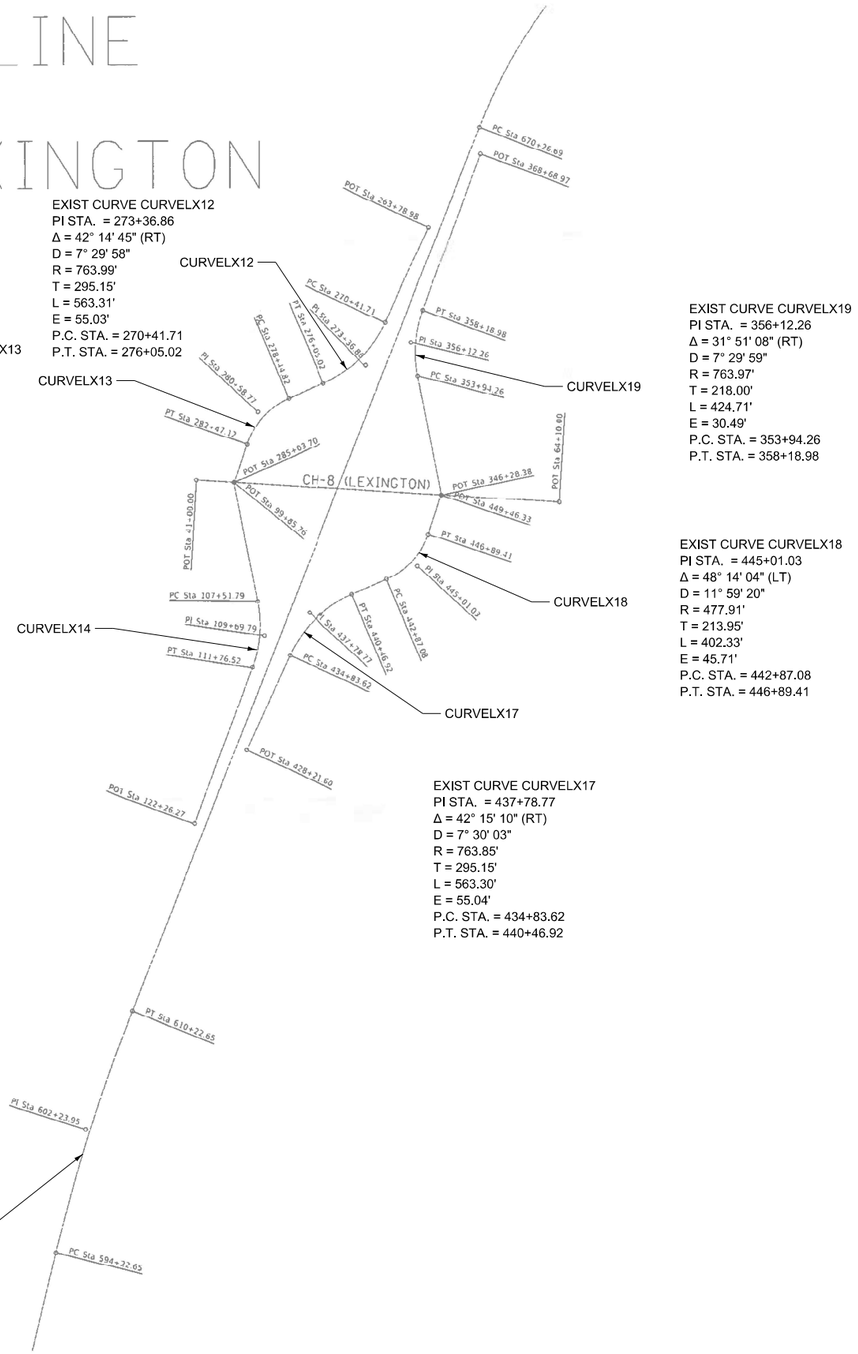
INTERSTATE 55 BRIDGE DECK OVERLAY
ALIGNMENT DIAGRAM

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	19
		CONTRACT NO. 70F93		
	ILLINOIS FED. AID PROJECT			

I-55 CENTERLINE

TOWANDA-LEXINGTON



EXIST CURVE CURVELX12
PI STA. = 273+36.86
Δ = 42° 14' 45" (RT)
D = 7° 29' 58"
R = 763.99'
T = 295.15'
L = 563.31'
E = 55.03'
P.C. STA. = 270+41.71
P.T. STA. = 276+05.02

EXIST CURVE CURVELX13
PI STA. = 280+58.77
Δ = 48° 15' 51" (LT)
D = 11° 59' 50"
R = 477.57'
T = 213.95'
L = 402.29
E = 45.73'
P.C. STA. = 278+44.82
P.T. STA. = 282+47.17

EXIST CURVE CURVELX14
PI STA. = 109+69.79
Δ = 31° 50' 06" (RT)
D = 7° 29' 44"
R = 764.41'
T = 218.00'
L = 424.73'
E = 30.48'
P.C. STA. = 107+51.79
P.T. STA. = 111+76.52

EXIST CURVE CURVELX19
PI STA. = 356+12.26
Δ = 31° 51' 08" (RT)
D = 7° 29' 59"
R = 763.97'
T = 218.00'
L = 424.71'
E = 30.49'
P.C. STA. = 353+94.26
P.T. STA. = 358+18.98

EXIST CURVE CURVELX18
PI STA. = 445+01.03
Δ = 48° 14' 04" (LT)
D = 11° 59' 20"
R = 477.91'
T = 213.95'
L = 402.33'
E = 45.71'
P.C. STA. = 442+87.08
P.T. STA. = 446+89.41

EXIST CURVE CURVELX17
PI STA. = 437+78.77
Δ = 42° 15' 10" (RT)
D = 7° 30' 03"
R = 763.85'
T = 295.15'
L = 563.30'
E = 55.04'
P.C. STA. = 434+83.62
P.T. STA. = 440+46.92

EXIST CURVE CURVE6
PI STA. = 602+23.95
Δ = 7° 59' 26" (RT)
D = 0° 29' 58"
R = 11472.83'
T = 801.30'
L = 1600.00'
E = 27.95'
P.C. STA. = 594+22.65
P.T. STA. = 610+22.65

MODEL: Default
FILE NAME: S:\237\2024\237240101J01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D570F93-str-LATB.dgn

MAURER-STUTZ ENGINEERS SURVEYORS	USER NAME = cadlaz	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
		DRAWN -	REVISED -	
	PLOT SCALE = 0.083 ' / in.	CHECKED -	REVISED -	
	PLOT DATE = 8/7/2025	DATE -	REVISED -	

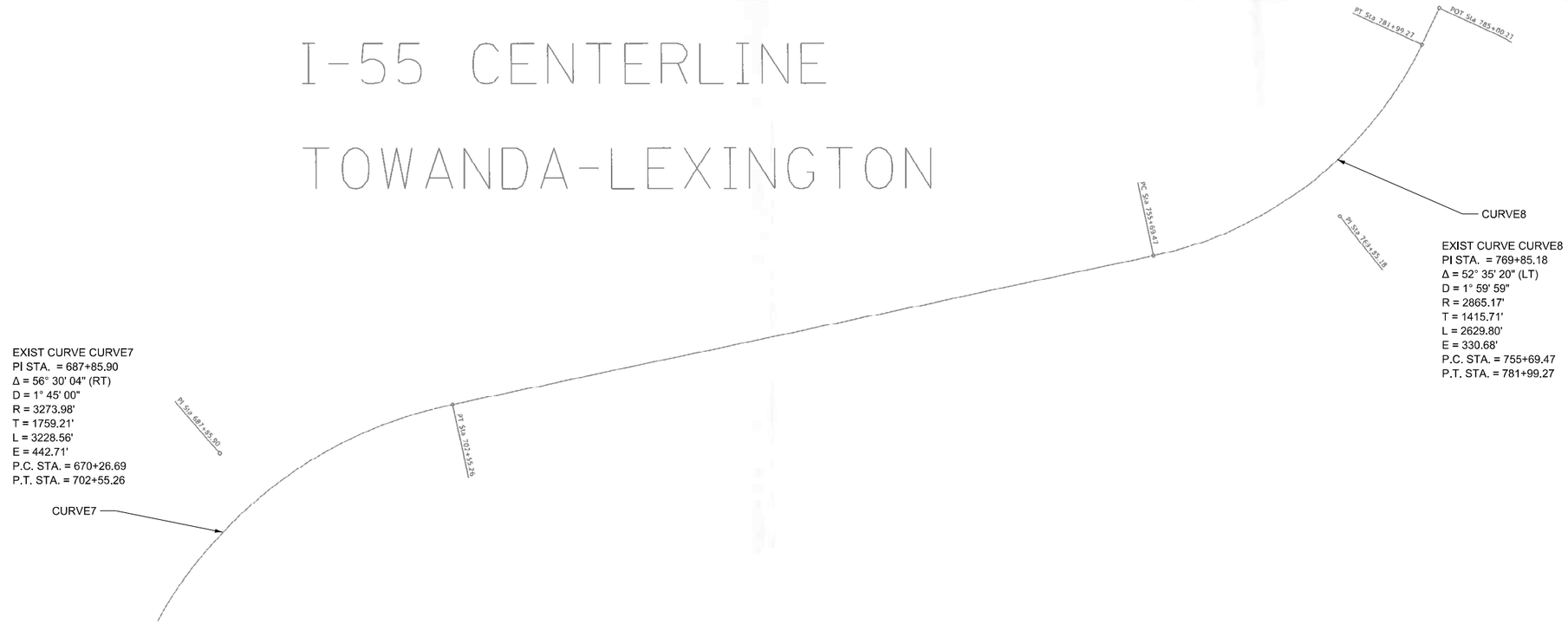
INTERSTATE 55 BRIDGE DECK OVERLAY
ALIGNMENT DIAGRAM

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	20
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		

I-55 CENTERLINE

TOWANDA-LEXINGTON



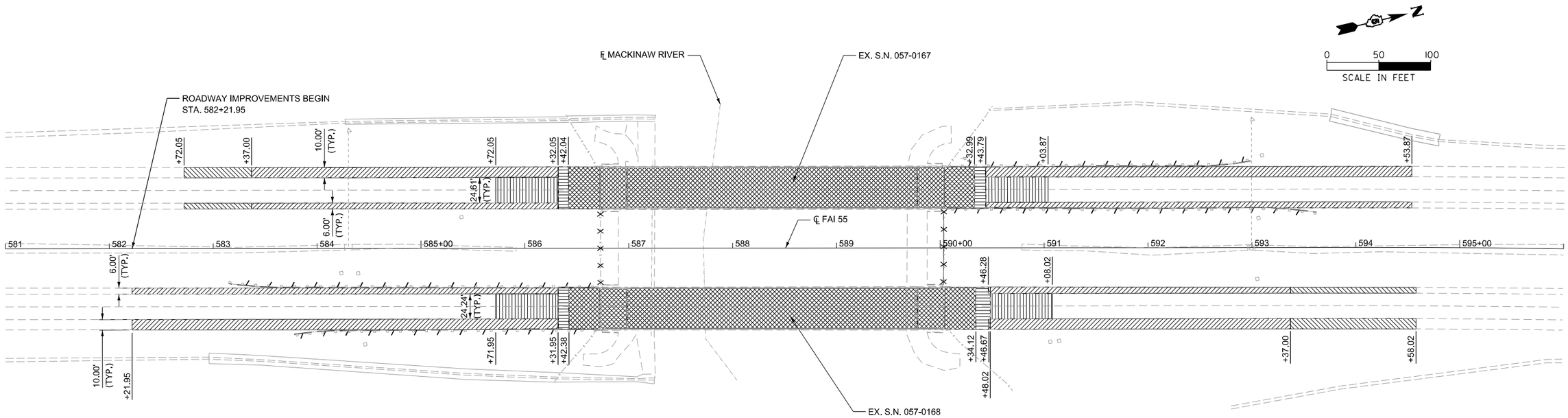
EXIST CURVE CURVE8
PI STA. = 769+85.18
Δ = 52° 35' 20" (LT)
D = 1° 59' 59"
R = 2865.17'
T = 1415.71'
L = 2629.80'
E = 330.68'
P.C. STA. = 755+69.47
P.T. STA. = 781+99.27

EXIST CURVE CURVE7
PI STA. = 687+85.90
Δ = 56° 30' 04" (RT)
D = 1° 45' 00"
R = 3273.98'
T = 1759.21'
L = 3228.56'
E = 442.71'
P.C. STA. = 670+26.69
P.T. STA. = 702+55.26

MODEL: Default
FILE NAME: S:\237-2024\2372401\0J1 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D570F93-uhl-ATB.dgn

MAURER-STUTZ ENGINEERS SURVEYORS	USER NAME = cadlaz	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSTATE 55 BRIDGE DECK OVERLAY ALIGNMENT DIAGRAM
		DRAWN -	REVISED -		
	PLOT SCALE = 0.083 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 8/7/2025	DATE -	REVISED -		SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

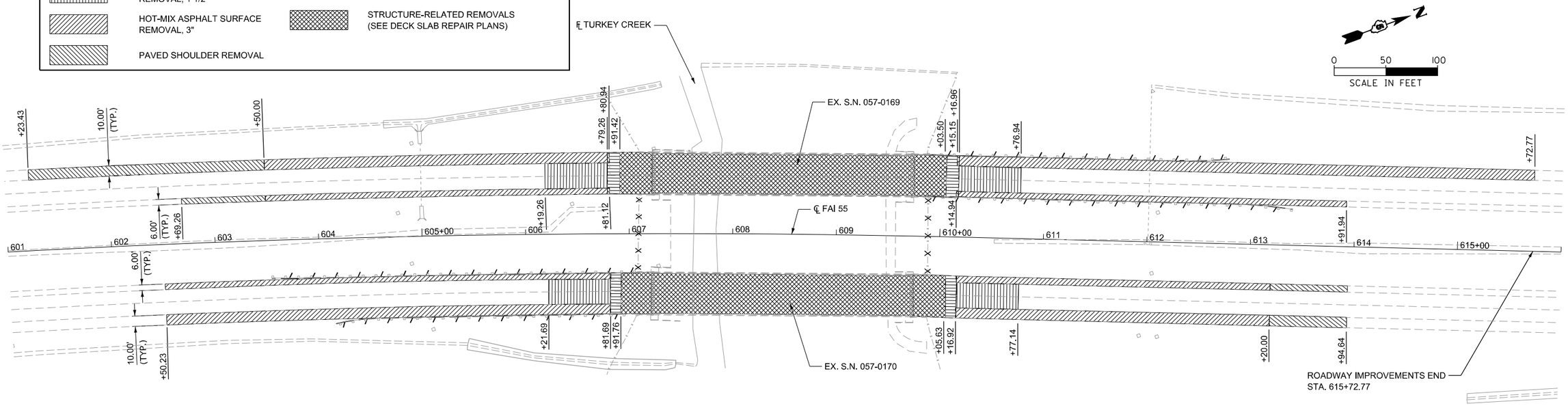
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	21
		CONTRACT NO. 70F93		
	ILLINOIS FED. AID PROJECT			



SEC 13, T25N, R3E, 3RD PM

LEGEND

- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- PAVED SHOULDER REMOVAL
- REMOVE AND RE-ERECT RAIL ELEMENTS OF EXISTING GUARDRAIL
- REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL TANGENT
- FENCE REMOVAL
- STRUCTURE-RELATED REMOVALS (SEE DECK SLAB REPAIR PLANS)



SEC 12, T25N, R3E, 3RD PM

MODEL: SHEET-I55_ALL - Removal 1 1
FILE NAME: S:\237\2024\237240101\01 (210-)\23 WO1 CN70F93 St Repairs\(CADD\CADD Sheets\D570F93-sht-Removal-I55.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

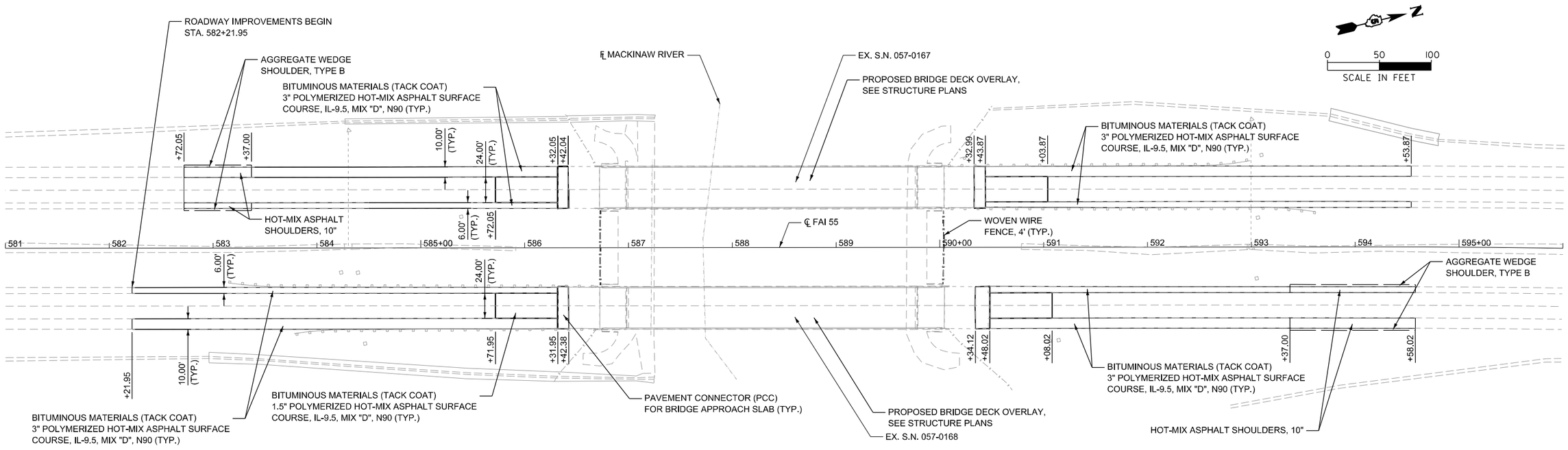
USER NAME = cadlaz	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.08333333 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 8/15/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

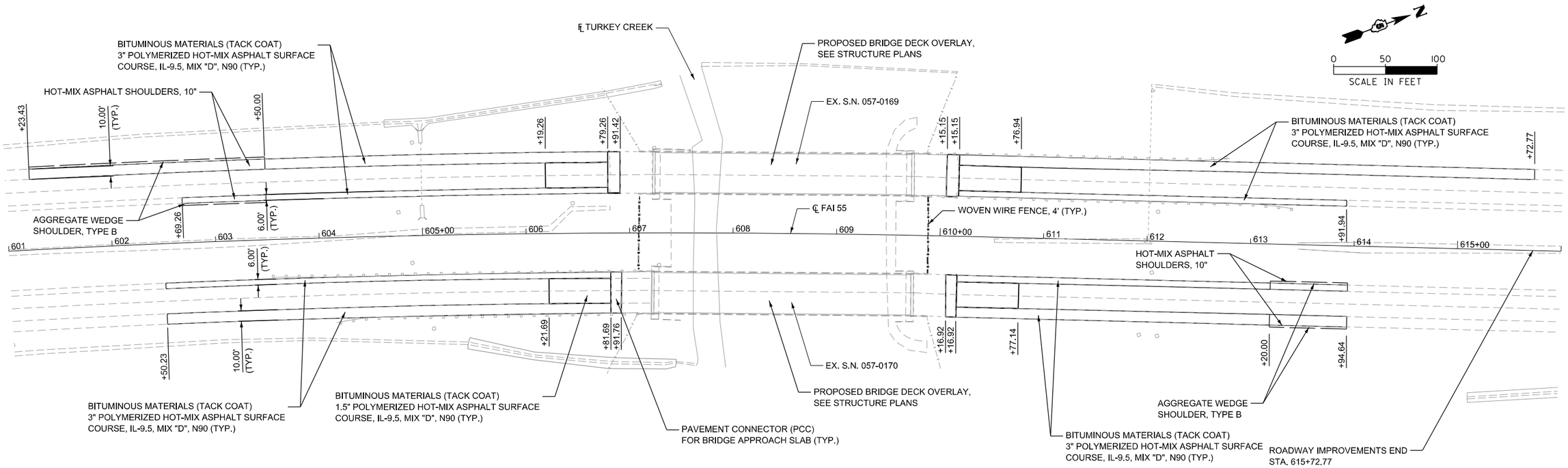
INTERSTATE 55 BRIDGE DECK OVERLAY
REMOVAL PLAN

SCALE: 1" = 50' | SHEET 1 OF 1 SHEETS | STA. 581+00.00 | TO STA. 616+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	22
		CONTRACT NO. 70F93		
		ILLINOIS	FED. AID PROJECT	



SEC 13, T25N, R3E, 3RD PM



SEC 12, T25N, R3E, 3RD PM

MODEL: SHEET-I55_ALL - Plan 1
FILE NAME: S:\237\2024\237240101\01 (210-023 WO1 CN70F93 St Royalty\CADD\CADD Sheets\D570F93-sht-DMPlan-I55.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = cadlaz	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.08333333 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 8/15/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAY
PLAN SHEET

SCALE: 1" = 50' | SHEET 1 OF 1 SHEETS | STA. 581+00.00 TO STA. 616+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	23
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		

I-55 PRE-STAGE OVERVIEW

CLOSE THE DRIVING LANE OF I-55 NB AND I-55 SB THROUGH THE PROPOSED SHOULDER LIMITS AS SHOWN IN THE PLANS. MILL AND INLAY OR REMOVE AND REPLACE THE DRIVING LANE SHOULDER IN EACH DIRECTION AS INDICATED IN THE PLANS.

CLOSE THE PASSING LANE OF I-55 NB AND I-55 SB THROUGH THE PROPOSED SHOULDER LIMITS AS SHOWN IN THE PLANS. MILL AND INLAY OR REMOVE AND REPLACE THE PASSING LANE SHOULDER IN EACH DIRECTION AS INDICATED IN THE PLANS.

TC&P STANDARDS 701400-12, 701406-13, 701428-01

I-55 STAGE I OVERVIEW

CLOSE THE PASSING LANE OF I-55 NB AND I-55 SB THROUGH THE PROPOSED LIMITS AS SHOWN IN THE STAGING PLANS. TEMPORARY CONCRETE BARRIER SHALL BE USED IN THE WORK AREA OF THE STRUCTURES PER THE STAGING PLANS AND HIGHWAY STANDARDS LISTED BELOW. CONSTRUCTION BARRELS SHALL BE USED TO MAINTAIN THE LANE CLOSURE BETWEEN THE STRUCTURES. COMPLETE FULL-DEPTH PATCHING ON SN 057-0169; MAINLINE HMA RUNDOWN; PCC PAVEMENT CONNECTOR REPLACEMENT; AND BRIDGE DECK SCARIFICATION, PARTIAL-DEPTH PATCHING, AND OVERLAY IN THE PASSING LANE OF ALL STRUCTURES.

TC&P STANDARDS 701400-12, 701401-13, 701402-12, 701411-09, 701428-01

I-55 STAGE II OVERVIEW

CLOSE THE DRIVING LANE OF I-55 NB AND I-55 SB THROUGH THE PROPOSED LIMITS AS SHOWN IN THE STAGING PLANS. TEMPORARY CONCRETE BARRIER SHALL BE USED IN THE WORK AREA OF THE STRUCTURES PER THE STAGING PLANS AND HIGHWAY STANDARDS LISTED BELOW. CONSTRUCTION BARRELS SHALL BE USED TO MAINTAIN THE LANE CLOSURE BETWEEN THE STRUCTURES. COMPLETE MAINLINE HMA PAVEMENT RUNDOWN; PCC PAVEMENT CONNECTOR REPLACEMENT; AND BRIDGE DECK SCARIFICATION, PARTIAL-DEPTH PATCHING, AND OVERLAY IN THE DRIVING LANE OF ALL STRUCTURES.

TC&P STANDARDS 701400-12, 701401-13, 701402-12, 701411-09, 701428-01

NOTES:

1. THIS IS A SUGGESTED STAGING PLAN. THE CONTRACTOR SHALL SUBMIT IN WRITING ANY PROPOSED CHANGES TO THIS PLAN TO THE ENGINEER FOR CONSIDERATION.
2. ALL TEMPORARY AND PERMANENT SIGNAGE SHALL BE POSITIONED IN ACCORDANCE WITH THE GUIDELINES IN THE MOST RECENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL AND DEVICES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
3. ONLY DAYTIME CONSTRUCTION SHALL BE ALLOWED THROUGHOUT THE ENTIRETY OF THE PROJECT.

MAURER-STUTZ ENGINEERS SURVEYORS

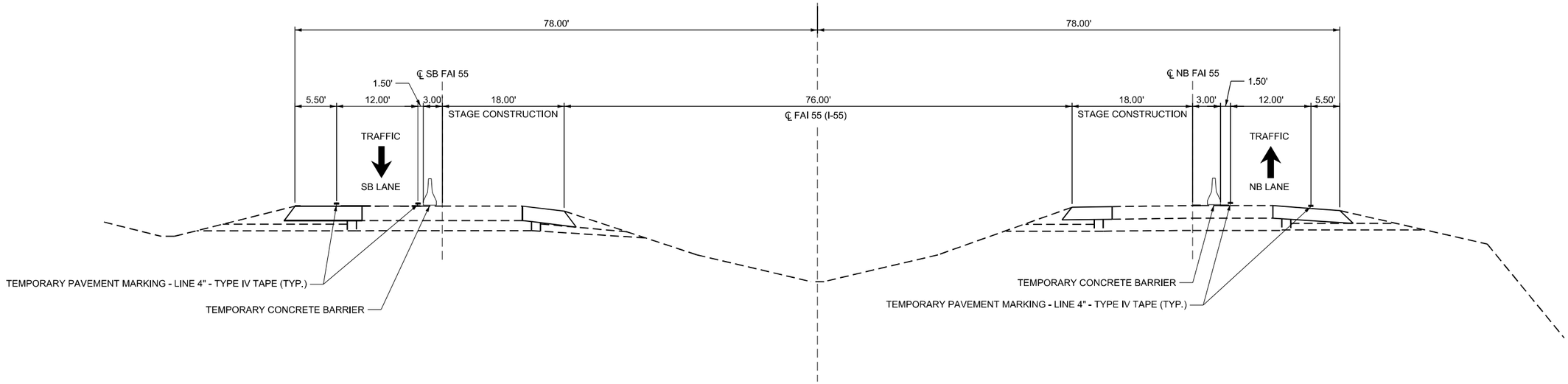
USER NAME = cadiaz	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 50.000 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 8/7/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAY
STAGING OVERVIEW

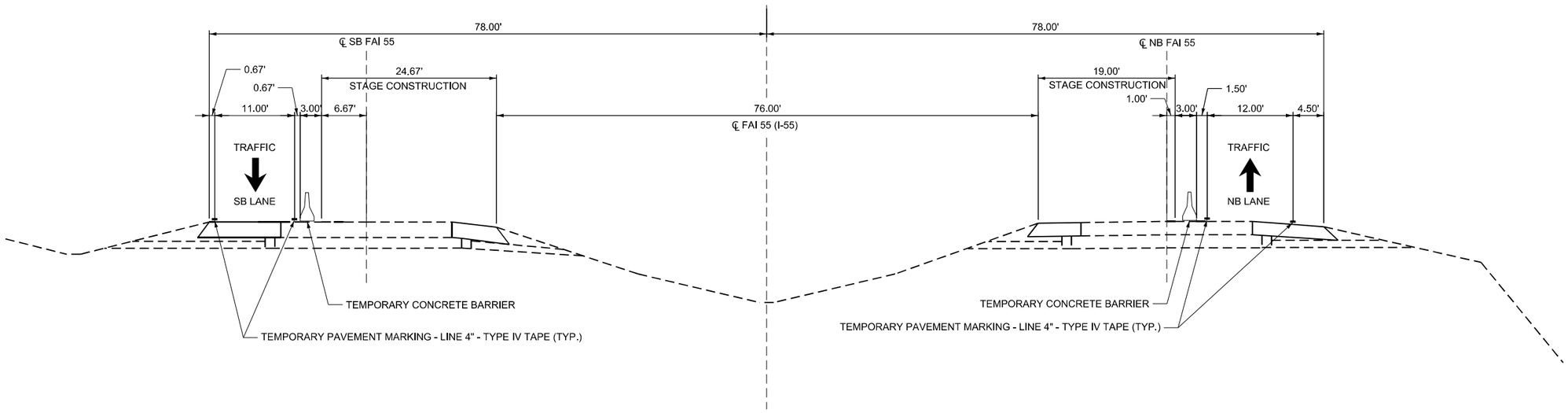
SCALE: | SHEET 1 OF 9 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	24
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		



STAGE I STAGING TYPICAL SECTION

S.N. 057-0167 AND S.N. 057-0168 (LOOKING NORTH)



STAGE I STAGING TYPICAL SECTION

S.N. 057-0169 AND S.N. 057-0170 (LOOKING NORTH)

MODEL: Default
FILE NAME: S:\237\2024\2372401\0.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D57\0F93-ahn-Staging Typicals.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

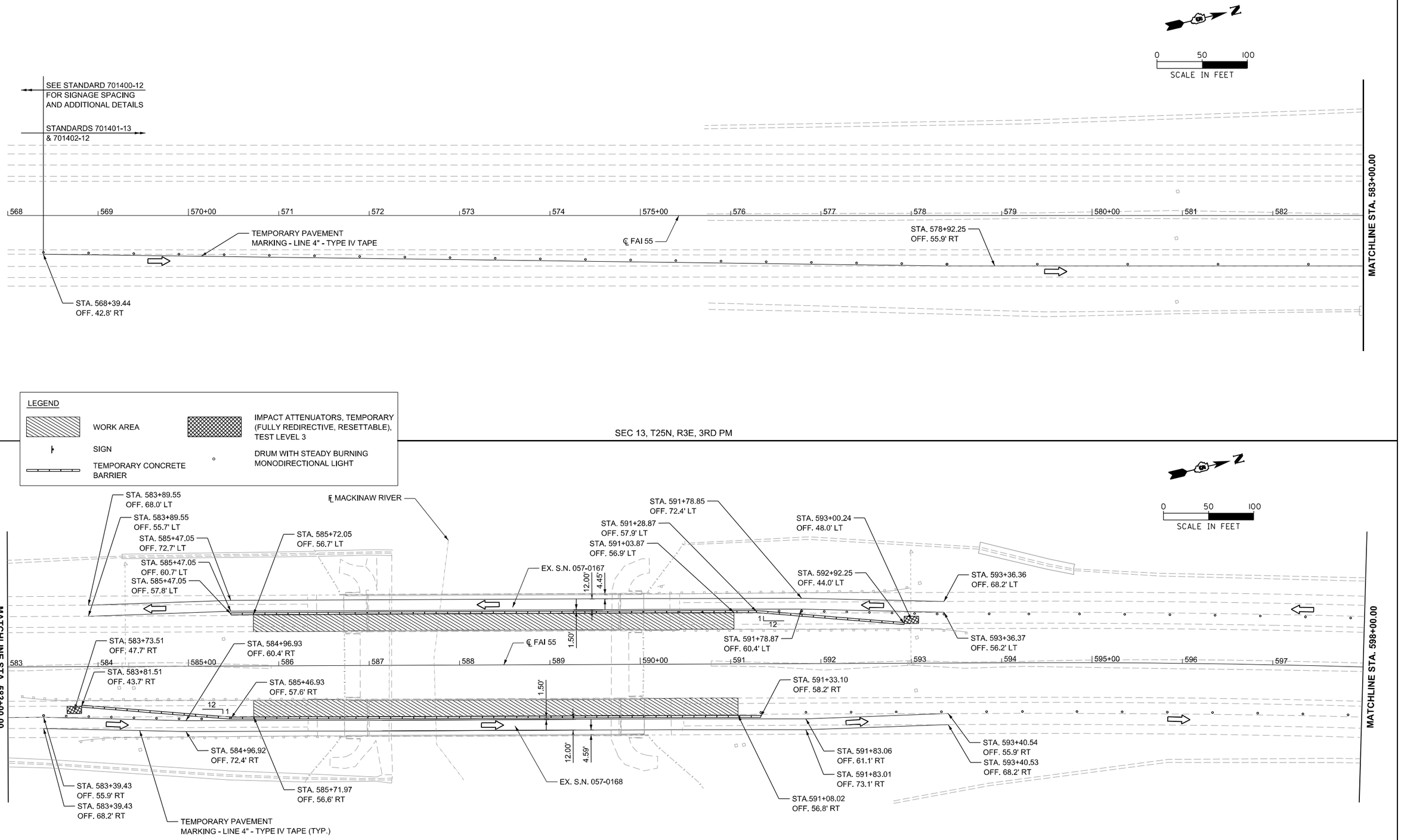
USER NAME = cadlaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.000 ' / In.	CHECKED -	REVISED -
PLOT DATE = 8/7/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAY
STAGE I: INTERSTATE 55 TYPICAL SECTION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	25
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		



MODEL: SHEET - I55_ALL - I55 Stage 1
FILE NAME: S:\237-2024\23724001\J01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D570F93-uhl-Staging-I55 Stage 1 Construction.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = cadlaz	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.08333333 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 8/15/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

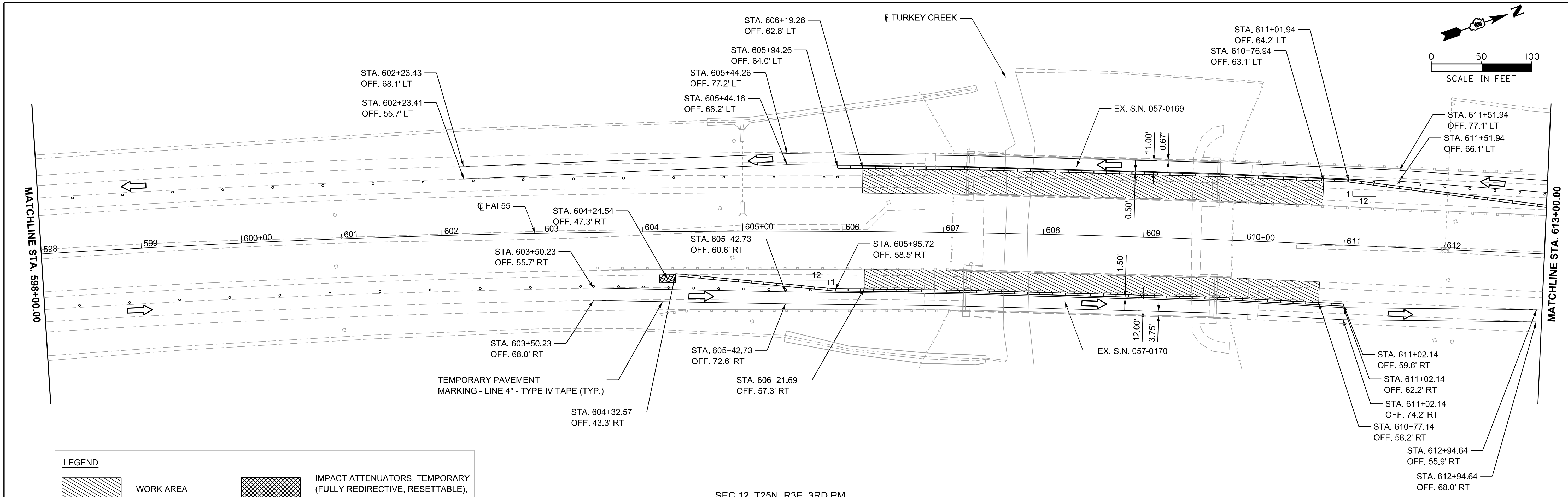
INTERSTATE 55 BRIDGE DECK OVERLAYS
STAGE I: INTERSTATE 55

SCALE: 1" = 50' | SHEET 3 OF 9 SHEETS | STA. 568+00.00 | TO STA. 598+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	26

CONTRACT NO. 70F93

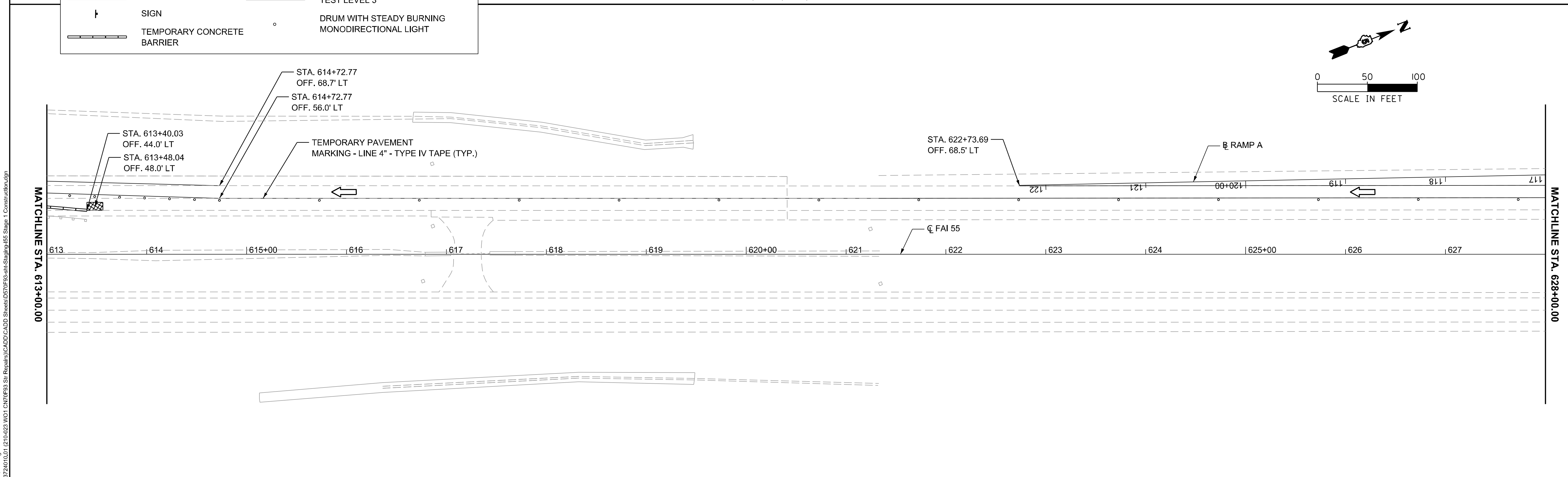
ILLINOIS | FED. AID PROJECT



LEGEND

(hatch)	WORK AREA	(crosshatch)	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 3
(symbol)	SIGN	(symbol)	DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT
(symbol)	TEMPORARY CONCRETE BARRIER		

SEC 12, T25N, R3E, 3RD PM



SEC 12, T25N, R3E, 3RD PM

MODEL: SHEET - I55_ALL - I55 Stage 3
FILE NAME: S:\237\2024\23724010.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D570F93-sht-Staging-I55 Stage 1 Construction.dgn

MAURER-STUTZ
ENGINEERS SURVEYORS

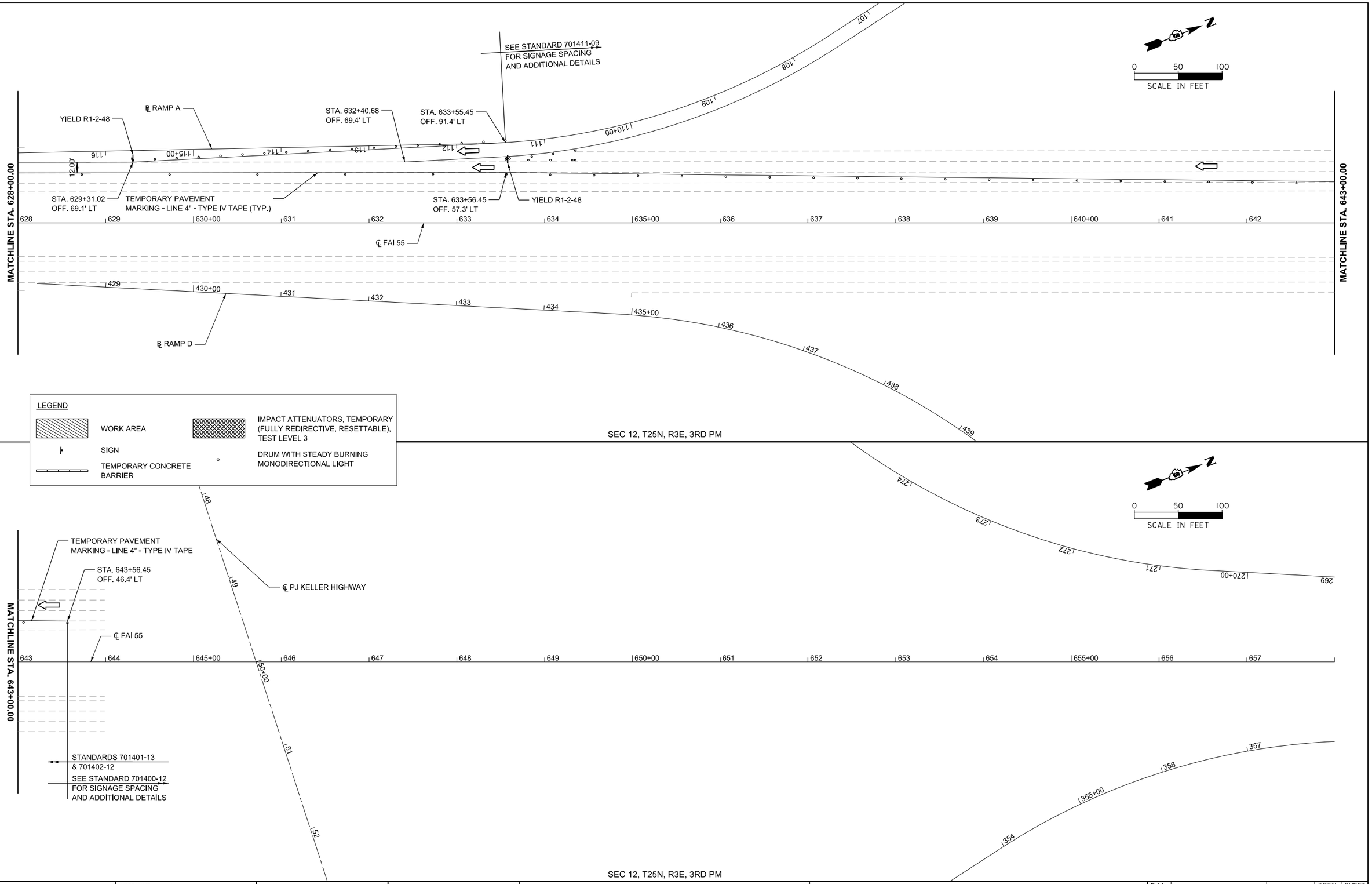
USER NAME = cadlaz	DESIGNED -	REVISED -	
	DRAWN	REVISED -	
PLOT SCALE = 0.08333333 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/15/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAYS
STAGE I: INTERSTATE 55

SCALE: 1" = 50' | SHEET 4 OF 9 SHEETS | STA. 598+00.00 TO STA. 628+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	27
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		



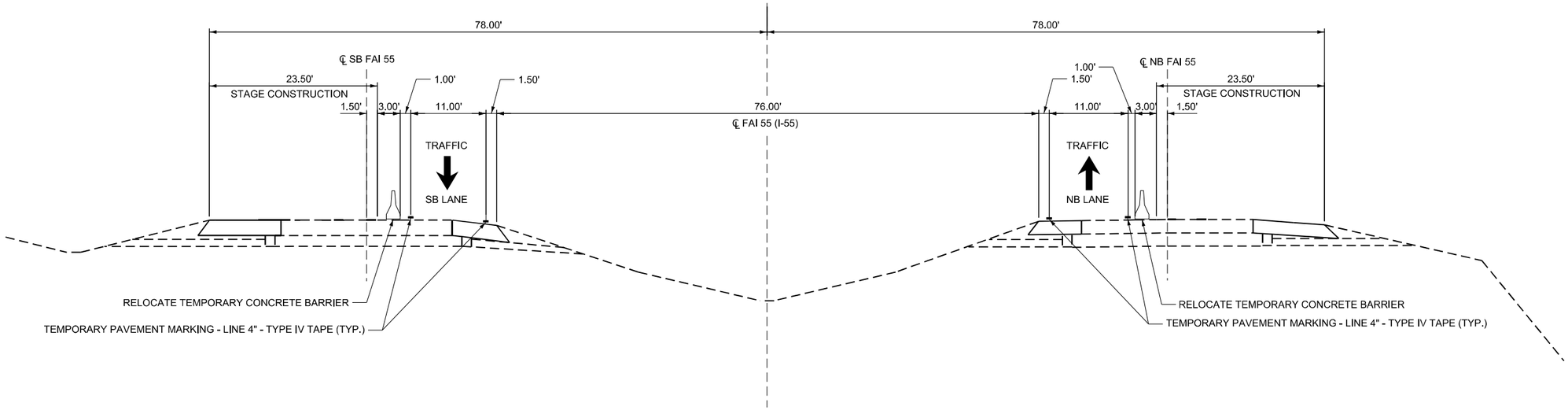
MODEL: SHEET - I55_ALL - I55 Stage 5
FILE NAME: S:\237\2024\237240\10.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D570F93-sht-Staging-I55 Stage 1 Construction.dgn

MAURER-STUTZ ENGINEERS SURVEYORS	USER NAME = cadlaz	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
		DRAWN -	REVISED -	
	PLOT SCALE = 0.08333333 ' / In.	CHECKED -	REVISED -	
	PLOT DATE = 8/15/2025	DATE -	REVISED -	

INTERSTATE 55 BRIDGE DECK OVERLAYS
STAGE I: INTERSTATE 55

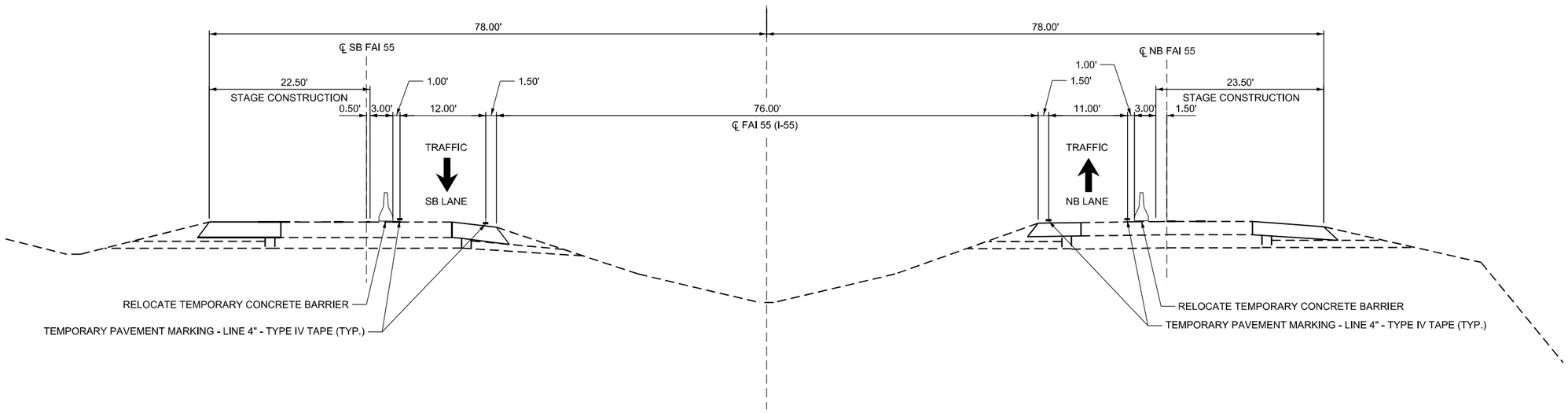
SCALE: 1" = 50' | SHEET 5 OF 9 SHEETS | STA. 628+00.00 | TO STA. 658+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	28
		CONTRACT NO. 70F93		
		ILLINOIS	FED. AID PROJECT	



STAGE II STAGING TYPICAL SECTION

S.N. 057-0167 AND S.N. 057-0168 (LOOKING NORTH)



STAGE II STAGING TYPICAL SECTION

S.N. 057-0169 AND S.N. 057-0170 (LOOKING NORTH)

MODEL: Default
FILE NAME: S:\237\2024\2372401\01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D57\0F93-ahn-Staging Typicals.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

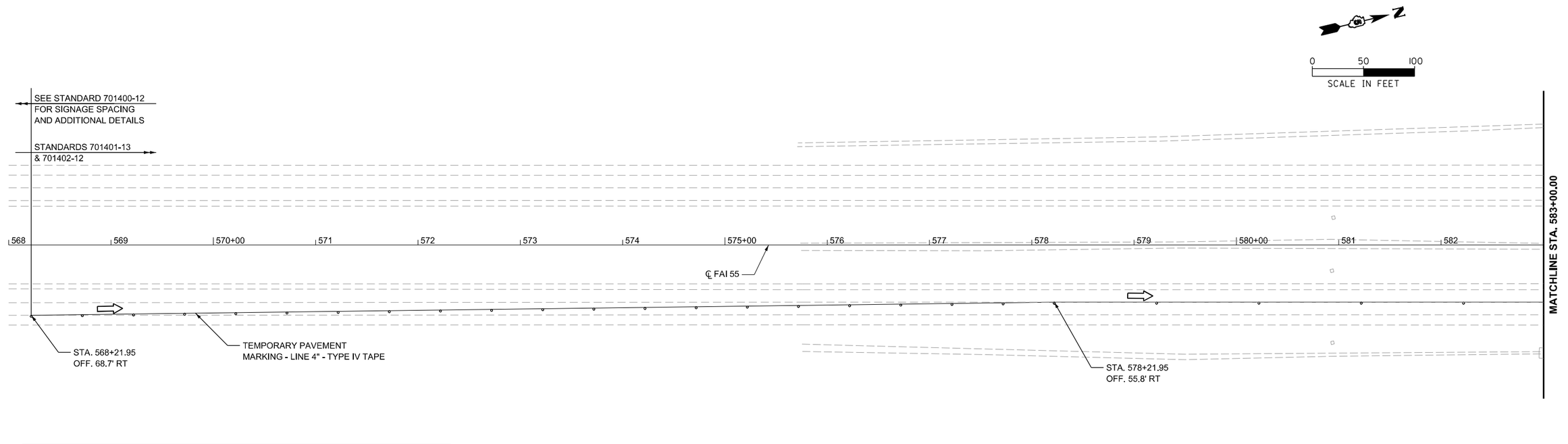
USER NAME = cadlaz	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 50.000 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 8/7/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAY
STAGE II: INTERSTATE 55 TYPICAL SECTION

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

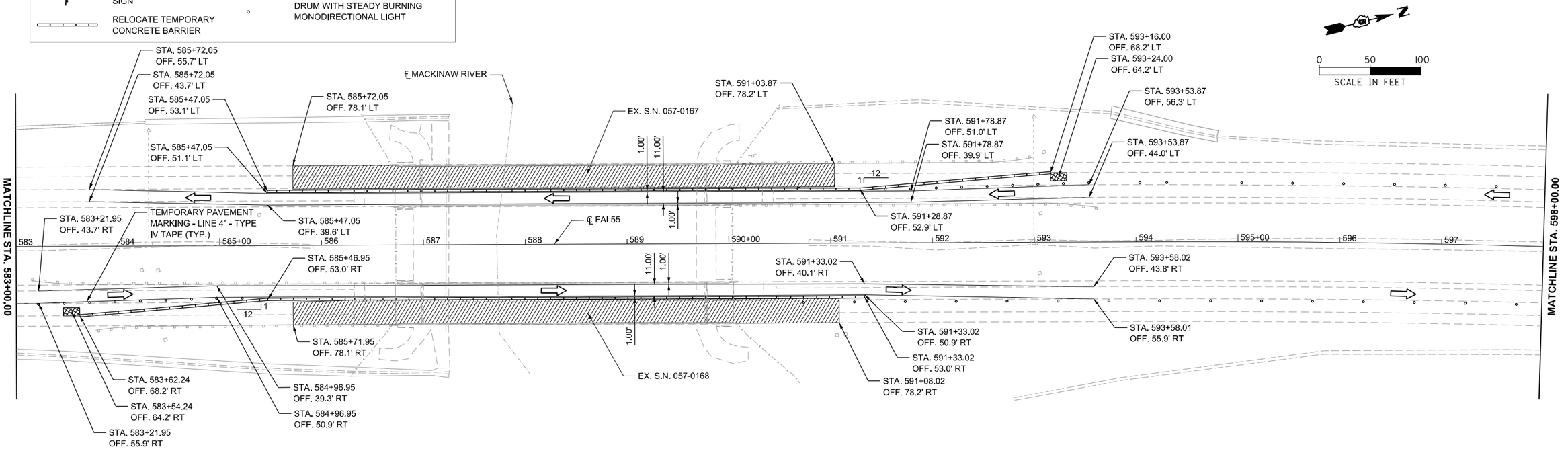
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	29
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		



LEGEND

- WORK AREA
- SIGN
- RELOCATE TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3
- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT

SEC 13, T25N, R3E, 3RD PM



SEC 13, T25N, R3E, 3RD PM

MODEL: SHEET-I55_ALL - Stage 2-1
FILE NAME: S:\237-2024\23724001\01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D570F93-uhl-Staging-I55 Stage 2 Construction.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = cadlaz	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.08333333 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 8/15/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

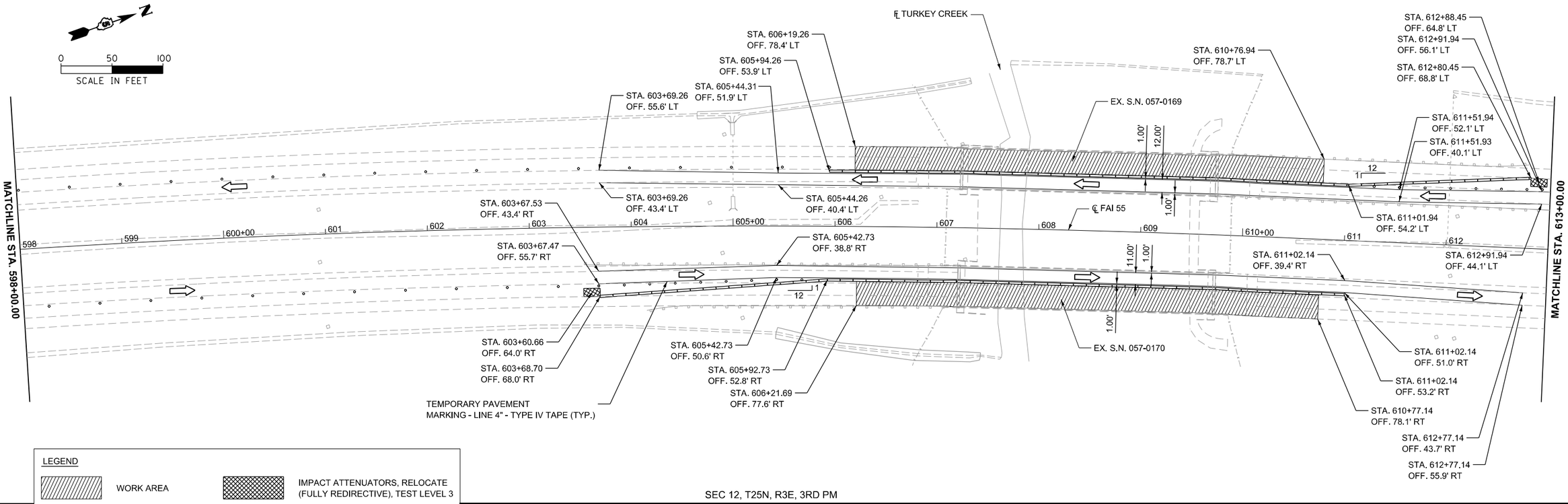
INTERSTATE 55 BRIDGE DECK OVERLAYS
STAGE II: INTERSTATE 55

SCALE: 1" = 50' | SHEET 7 OF 9 SHEETS | STA. 568+00.00 | TO STA. 598+00.00

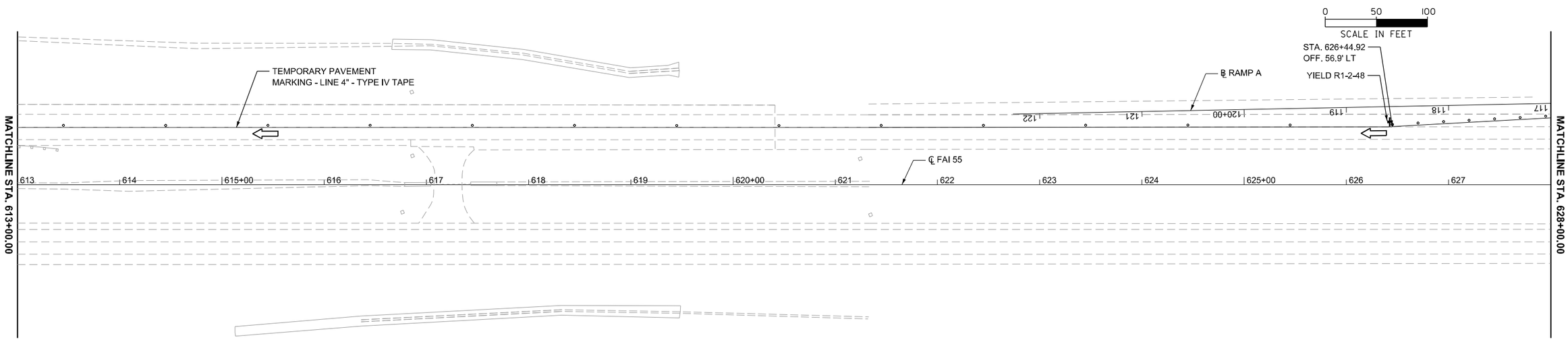
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	30

CONTRACT NO. 70F93

ILLINOIS | FED. AID PROJECT



SEC 12, T25N, R3E, 3RD PM



SEC 12, T25N, R3E, 3RD PM

MODEL: SHEET-I55_ALL - Stage 2-3
FILE NAME: S:\237\2024\237240110.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D57\0F93-str-Staging-I55 Stage 2 Construct\drudgn

MAURER-STUTZ ENGINEERS SURVEYORS

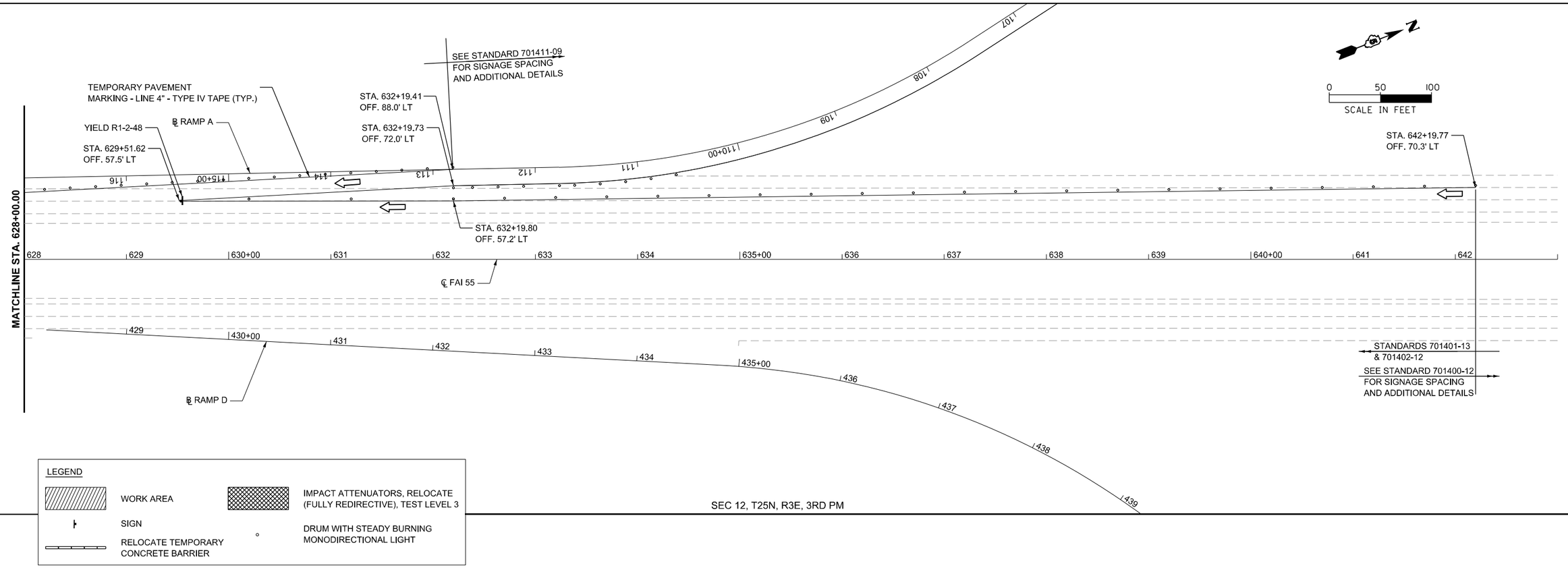
USER NAME = cadlaz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.08333333 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/15/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAYS
STAGE II: INTERSTATE 55

SCALE: 1" = 50' | SHEET 8 OF 9 SHEETS | STA. 598+00.00 TO STA. 628+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	31
		CONTRACT NO. 70F93		
		ILLINOIS	FED. AID PROJECT	



MODEL: SHEET-I55_ALL - Stage 2-5
FILE NAME: S:\237-2024\23724010.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D570F93-uth-Staging-I55 Stage 2 Construction.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = cadlaz	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.08333333 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/15/2025	DATE -	REVISED -	

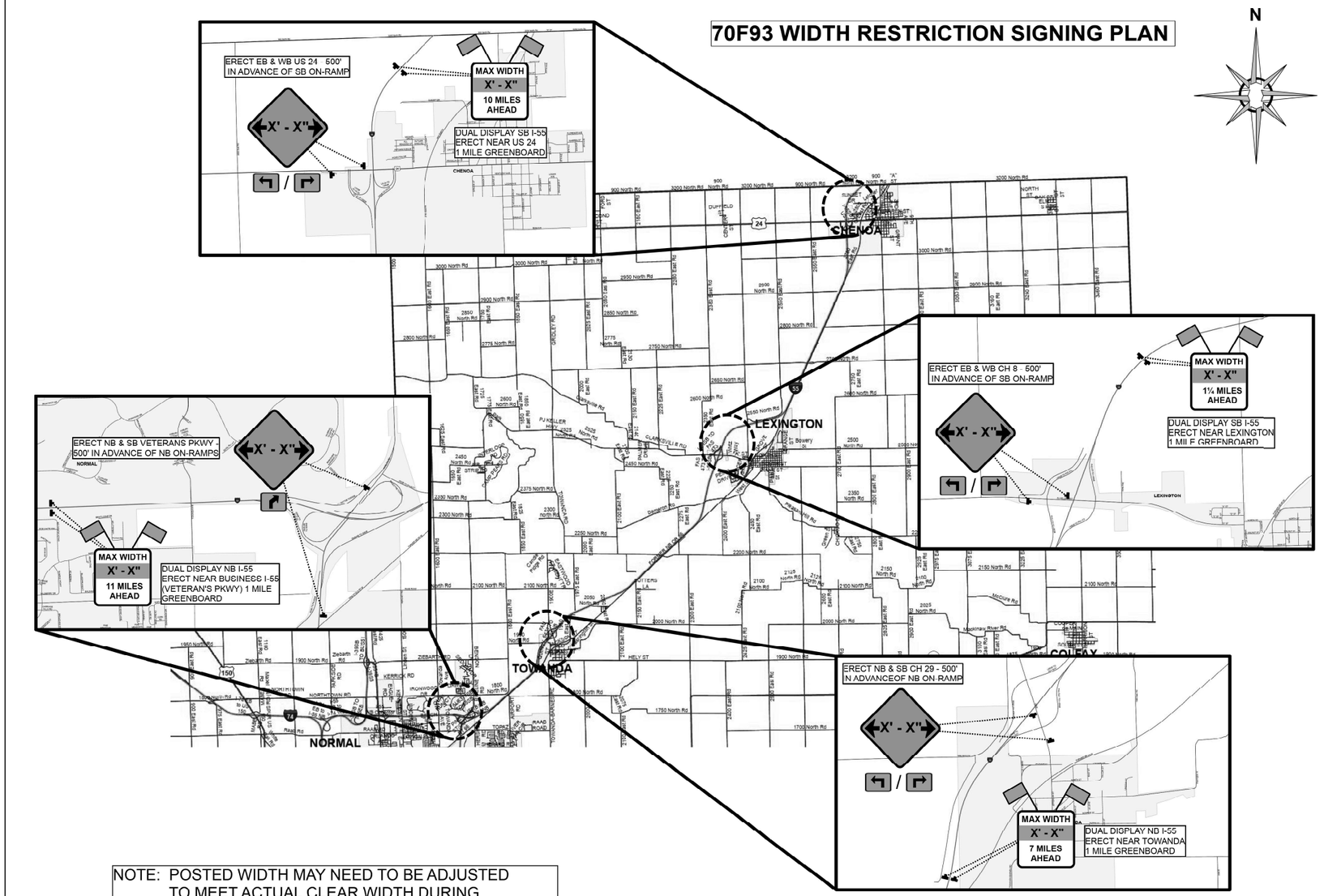
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAYS
STAGE II: INTERSTATE 55

SCALE: 1" = 50' | SHEET 9 OF 9 SHEETS | STA. 628+00.00 | TO STA. 643+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	32
		CONTRACT NO. 70F93		
	ILLINOIS FED. AID PROJECT			

70F93 WIDTH RESTRICTION SIGNING PLAN



NOTE: POSTED WIDTH MAY NEED TO BE ADJUSTED TO MEET ACTUAL CLEAR WIDTH DURING VARIOUS STAGES.
POSTED WIDTH = CLEAR WIDTH MINUS 18 INCHES.

MODEL: Default
FILE NAME: S:\237-2024\2372401\0J1 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D570F93-sht-Detail_Width Restriction Signing Plan.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = cadiaz	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 5.000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/7/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAY
WIDTH RESTRICTION SIGNING PLAN

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	33
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		

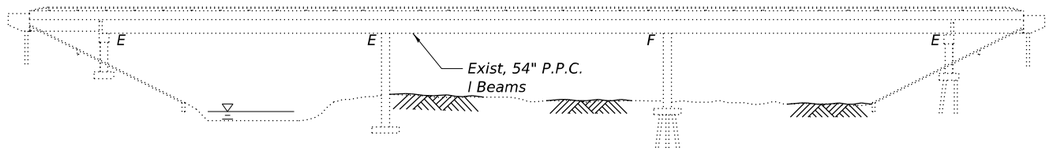
Benchmarks - Chisled square NE wing of Str. No. 057-0167 (Sta. 590+08.84, Elev. 712.21) and chiseled square SE wing of Str. No. 057-0168 (Sta. 586+69.83, Elev. 712.92).

Existing Structures - Str. No. 057-0167 and 057-0168 were built in 1973 as F.A.I. 55, Section 57-2B-4 at Sta. 588+37.50. A bridge deck overlay was completed on each structure in 2001 with Contract 86963. Each structure consists of three spans of seven PPC I-Beams and reinforced concrete deck superstructure on concrete piers and vaulted abutments with a concrete slab approach span. Overall length of the bridge is 279'-8¾" bk.-bk. of abutments and 333'-0" bk.-bk. of approach bents, with a bridge width of 42'-0" out - out of parapets. One lane of traffic in each direction is to be maintained using staged construction.

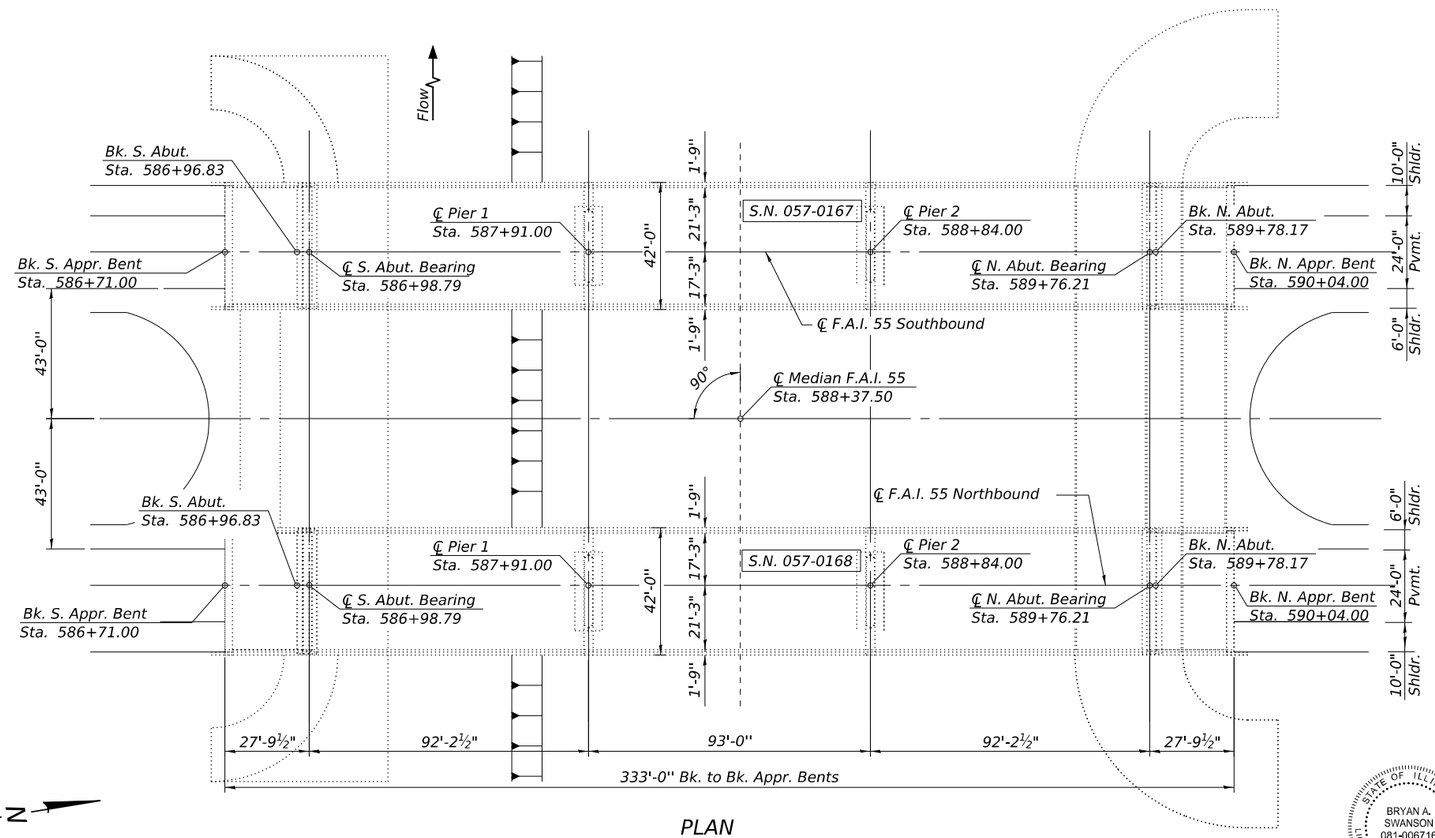
Salvage - None.

PROPOSED SCOPE OF WORK

1. Scarification of existing microsilica concrete overlay and installation of new latex concrete overlay across deck and approaches.
2. Remove and replace abutment deck joints.
3. Remove and replace or eliminate existing deck floor drains.
4. Repair concrete delaminations on abutment walls, piers, and parapets.
5. Repair concrete defects on P.P.C. I-Beams.
6. Remove and replace two abutment bearings for P.P.C. I-Beams.
7. Clean and paint remaining abutment bearing assemblies.
8. Repair damaged ends of aluminum railing on parapets.



ELEVATION



PLAN

LOADING HS20-44

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition (LFD)

DESIGN STRESSES

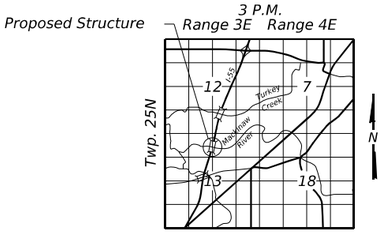
FIELD UNITS

New Construction:
f'c = 4,000 psi (deck)
fy = 60,000 psi (Reinforcement)

Exist. Structure:
f'c = 3,500 psi
fy = 60,000 psi (deck reinf.)
fy = 40,000 psi (orig. substr. reinf.)

PRECAST PRESTRESSED UNITS

Exist. Structure:
f'c = 6,000 psi
f'ci = 5,000 psi
f's = 270,000 psi (½"∅ Strands)
f'si = 189,000 psi (½"∅ Strands)



LOCATION SKETCH

BRYAN A. SWANSON 081-006716 LICENSED STRUCTURAL ENGINEER STATE OF ILLINOIS PEORIA, IL

Bryan Swanson

Date Signed: 8/07/2025
Exp. Date: 11/30/2026

GENERAL PLAN AND ELEVATION
I-55 OVER MACKINAW RIVER
F.A.I. 55 - SEC. (57-2B-3,4) BR
MCLEAN COUNTY
STATION 588+37.50
STR. NO. 057-0167 & 057-0168

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = baswanson		DESIGNED - KJA		REVISED -	
		CHECKED - BAS		REVISED -	
PLOT SCALE =		DRAWN - KJA		REVISED -	
PLOT DATE = 8/7/2025		CHECKED - LVM		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 1 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	34
		CONTRACT NO. 70F93		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: S:\237\2024\23724010.01 (210-023 WO1 CN70f93 Str Repairs)\CADD\CADD Sheets\70F93-0570167-001-GPE.dgn
8/7/2025 2:03:57 PM

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction 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 scope of the work; however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Synthetic Fibers shall be included in the bridge deck concrete overlay specified. See Special Provisions.

All new structural steel in bearing assemblies shall be hot dip galvanized unless noted otherwise. See special provision for "Hot Dip Galvanizing for Structural Steel".

Expansion joints shall be fabricated to conform to the existing cross slopes of the bridge.

Joint openings shall be adjusted according to Article 503.10(c) of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.

Protective coat shall be applied to all new concrete superstructure, PCC pavement connectors, and all new concrete overlays as specified in Article 503.19 of the Standard Specifications

Contractor shall use extreme care during concrete removal to avoid damage to the PPC I-Beams.

TOTAL BILL OF MATERIAL

ITEM	UNIT	-0167	-0168	TOTAL
Concrete Removal	Cu. Yd.	22.1	22.1	44.2
Floor Drains	Each	40	40	80
Concrete Superstructure	Cu. Yd.	22.1	22.1	44.2
Protective Coat	Sq. Yd.	1799	1827	3626
Reinforcement Bars, Epoxy Coated	Pound	3360	3360	6720
Bar Splicers	Each	38	38	76
Preformed Joint Strip Seal	Foot	81	81	162
Steel Bearing Assembly	Each	2		2
Acrylic Coating	Sq. Yd.	190	157	347
Fiber Wrap	Sq. Ft.	1668	1376	3044
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	1045	1045	2090
Cleaning and Painting Bearings	Each	12	14	26
Bar Terminators	Each	120	120	240
Repair Bridge Rail	Foot		16	16
Approach Slab Repair (Full Depth)	Sq. Yd.	3	3	6
Jack and Remove Existing Bearings	Each	2		2
Bridge Deck Latex Concrete Overlay 2 1/2 Inches	Sq. Yd.	267	267	534
Bridge Deck Latex Concrete Overlay 3 3/4 Inches	Sq. Yd.	1380	1380	2760
Bridge Deck Scarification 2 1/4"	Sq. Yd.	267	267	534
Bridge Deck Scarification 3 1/2"	Sq. Yd.	1380	1380	2760
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	172	291	463
Structural Repair of Concrete (Depth Greater Than 5 Inches)	Sq. Ft.	34	2	36
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	20	20	40
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	12	12	24
Diamond Grinding (Bridge Section)	Sq. Yd.	1583	1596	3179
Precast Prestressed Concrete I-Beam Repair	Sq. Ft.	288	171	459

INDEX OF SHEETS

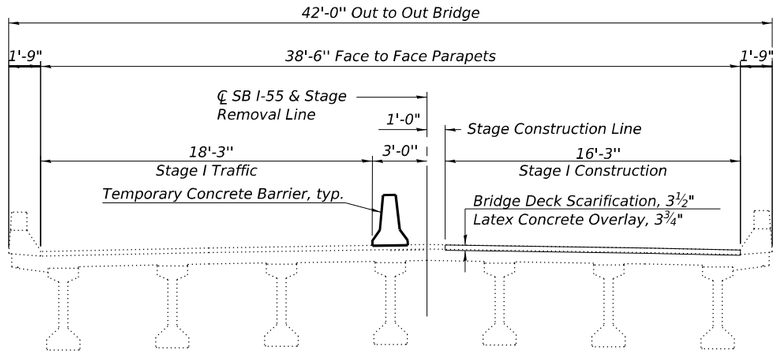
MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = baswanson	DESIGNED - KJA	REVISED -	
	CHECKED - BAS	REVISED -	
PLOT SCALE =	DRAWN - KJA	REVISED -	
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -	

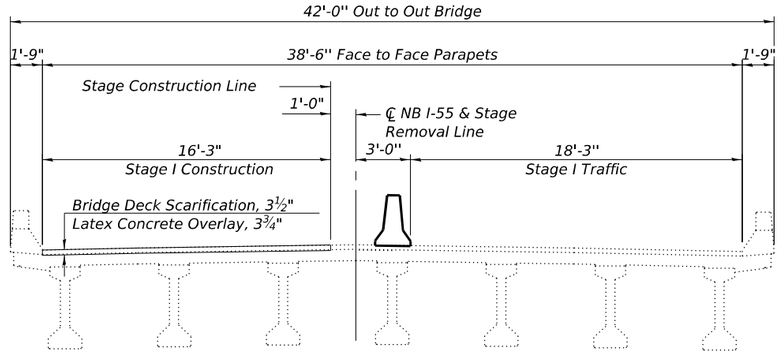
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 057-0167 & 057-0168
SHEET 2 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	35
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		



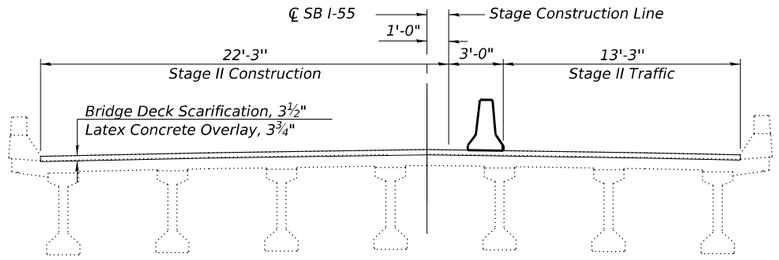
S.N. 057-0167



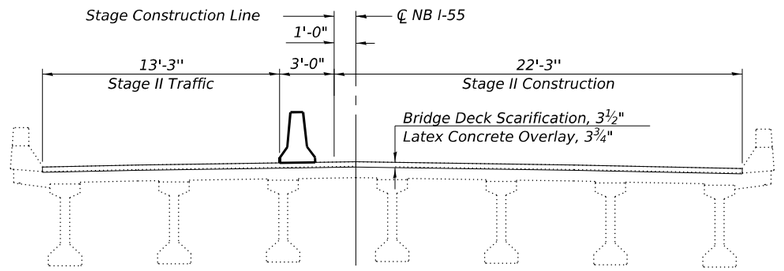
S.N. 057-0168

STAGE I CONSTRUCTION

(Looking North)



S.N. 057-0167



S.N. 057-0168

STAGE II CONSTRUCTION

(Looking North)

MODEL: Default
FILE NAME: S:\23\2024\23724010.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-057O167-003-Staging Plan.dgn

8/7/2025 2:04:05 PM

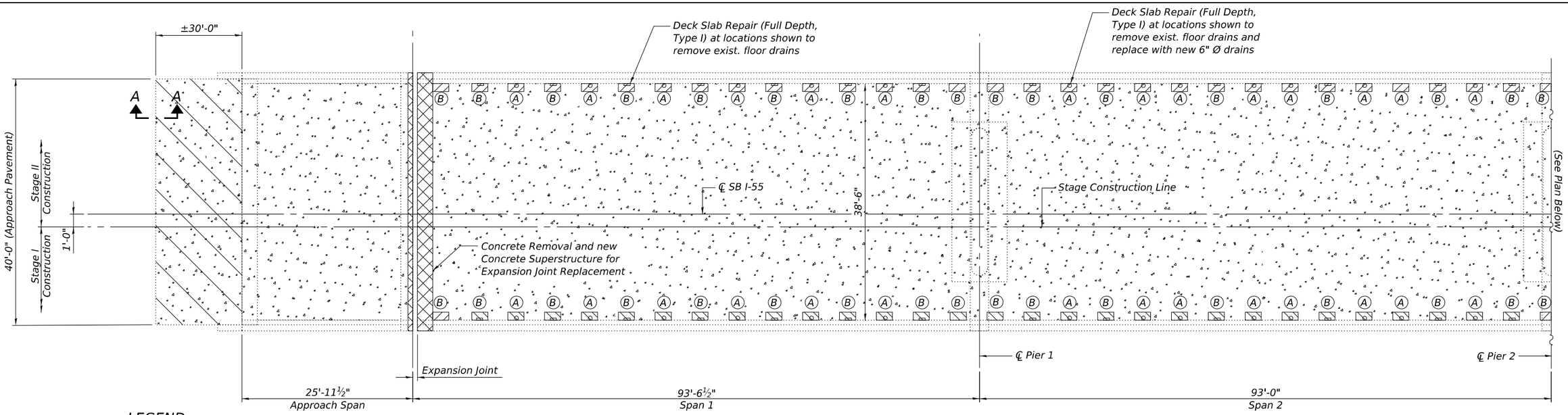
MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = baswanson	DESIGNED - KJA	REVISED -	
	CHECKED - BAS	REVISED -	
PLOT SCALE =	DRAWN - KJA	REVISED -	
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING PLAN
STRUCTURE NO. 057-0167 & 057-0168
SHEET 3 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	36
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		



LEGEND

	Deck Slab Repair (Full Depth)
	Concrete Removal and Concrete Superstructure
	Bridge Deck Scarification, 3½" and Bridge Deck Latex Concrete Overlay, 3¾"
	Bridge Deck Scarification, 2¼" and Bridge Deck Latex Concrete Overlay, 2½"

PLAN - DECK SLAB REPAIRS - S.N. 057-0167

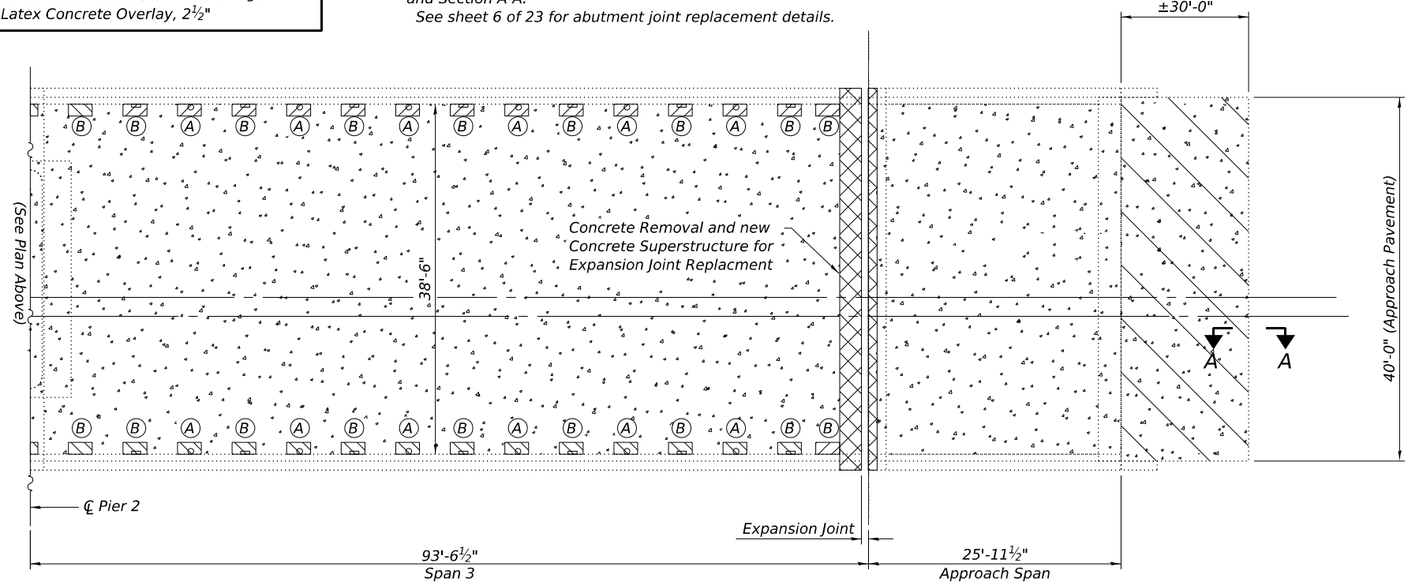
(South End)

Notes:

Bridge Deck Scarification shall extend across the surface of any completed full depth deck slab repair to ensure equivalent surface texture prior to placement of overlay.

See sheet 5 of 23 for typical bridge cross section, overlay profile, and Section A-A.

See sheet 6 of 23 for abutment joint replacement details.



PLAN - DECK SLAB REPAIRS - S.N. 057-0167

(North End)

DECK SLAB REPAIR TABLE

Label	Size	Notes	Plan Qty. Deck Slab Repair (FD Type I) Sq. Ft.	Plan Qty. Deck Slab Repair (FD Type II) Sq. Ft.	Plan Qty. Appr. Slab Repair (Full Depth) Sq. Ft.	As Built Deck Slab Repair (FD Type I) Sq. Ft.	As Built Deck Slab Repair (FD Type II) Sq. Ft.	As Built Appr. Slab Repair (Full Depth) Sq. Ft.
A	1' x 2' x 40 Loc.	See Note 1	80					
B	1' x 2' x 52 Loc.	See Note 2	104					
	Contingency Area	See Note 3		105				
	Contingency Area	See Note 4			24			
		Totals	184	105	24			

Table Notes:

Note 1 - Remove and replace existing 4"x12" aluminum drain with 6" diameter floor drains. See Sheet 5 of 23 for drain details. Cost of removal of existing drains included with Deck Slab Repair (Full Depth, Type I).

Note 2 - Remove existing 4"x12" aluminum drain. Cost included with Deck Slab Repair (Full Depth, Type I).

Note 3 - A contingency value of 1% of the bridge deck area is provided for potential Deck Slab Repair, Full Depth. Deck shall be evaluated following completion of the Bridge Deck Scarification.

Note 4 - A contingency value of 1% of the approach pavement area is provided for potential Approach Slab Repair (Full Depth). Pavement surface shall be evaluated following completion of the Bridge Deck Scarification.

DECK SLAB REPAIR (S.N. 057-0167)

BILL OF MATERIAL

Item	Unit	Total
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	20
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	12
Approach Slab Repair (Full Depth)	Sq. Yd.	3
Bridge Deck Scarification 2 1/4"	Sq. Yd.	267
Bridge Deck Scarification 3 1/2"	Sq. Yd.	1380
Bridge Deck Latex Concrete Overlay, 2 1/2 Inches	Sq. Yd.	267
Bridge Deck Latex Concrete Overlay, 3 3/4 Inches	Sq. Yd.	1380
Floor Drains	Each	40

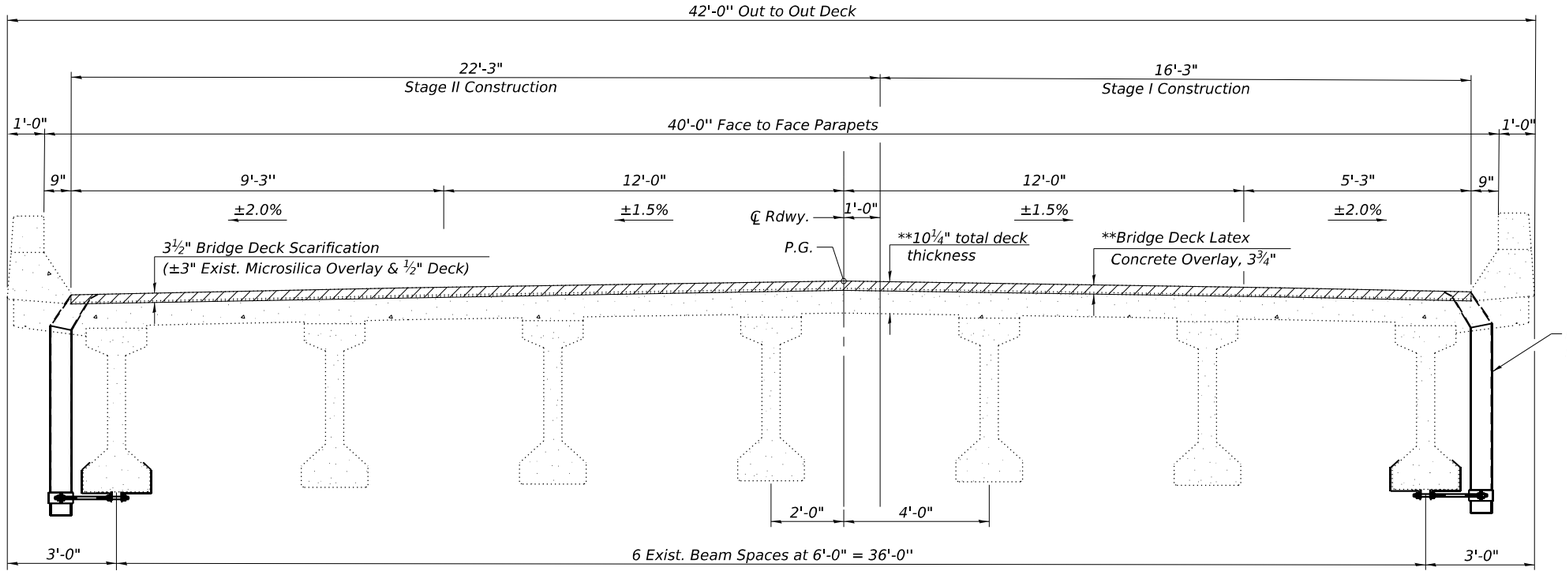
MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = baswanson	DESIGNED - KJA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK SLAB REPAIR PLAN (SB) STRUCTURE NO. 057-0167	
	CHECKED - BAS	REVISED -			
PLOT SCALE =	DRAWN - KJA	REVISED -			
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -		SHEET 4 OF 23 SHEETS	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	37
		CONTRACT NO. 70F93		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
FILE NAME: S:\237\2024\237240\10.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-057016?-004-Deck Repair (SB).dgn

8/7/2025 2:04:07 PM

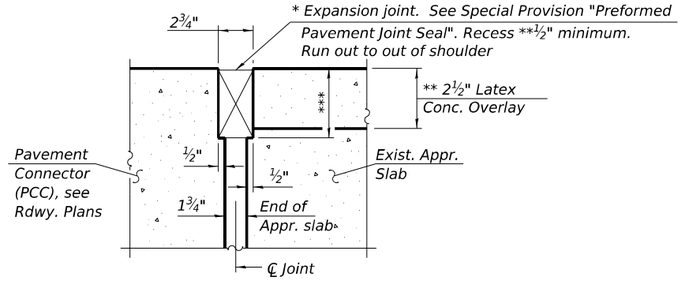


CROSS SECTION - S.N. 057-0167

(South Bound Lanes Looking North)

**Prior to Diamond Grinding

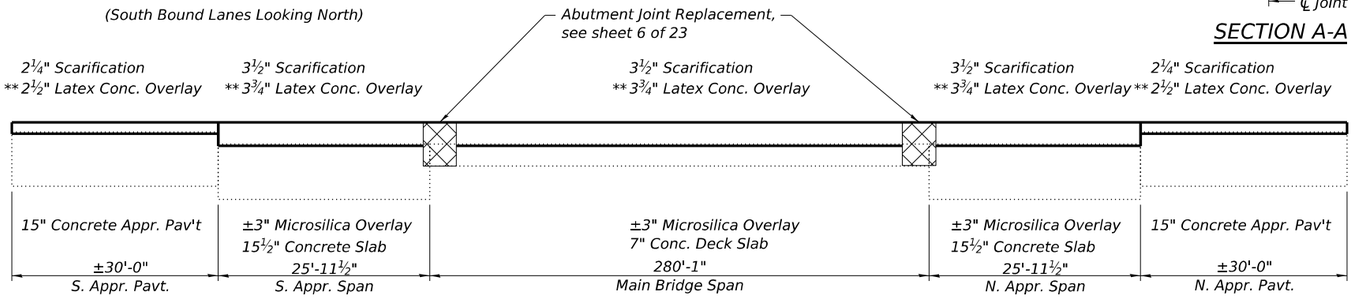
Notes:
Actual bridge cross slopes shall be measured and documented in the field prior to scarification.
See sheet 4 of 23 for Bill of Material for bridge deck overlay.
See sheet 7 of 23 for parapet elevations and replacement details at the expansion joints.



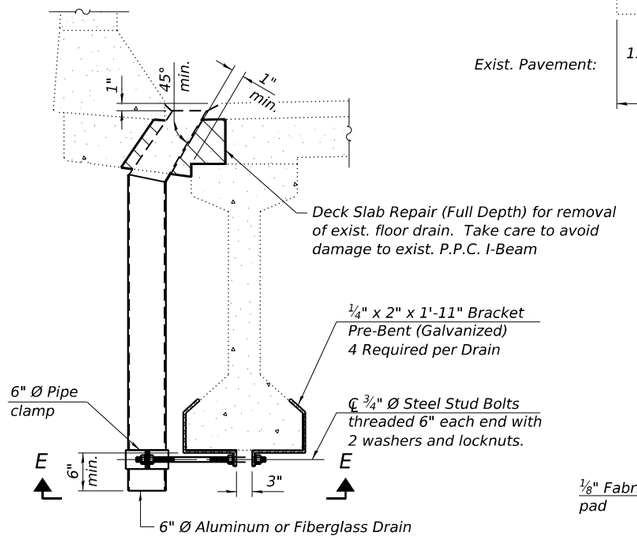
SECTION A-A

* Cost included with Pavement Connector (PCC) for Bridge Approach Slab

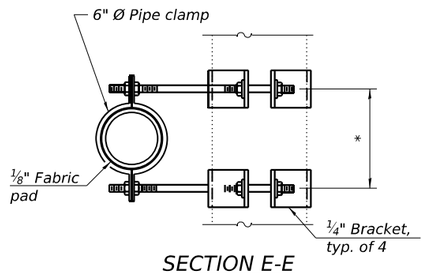
*** Per manufacturer recommendations



OVERLAY PROFILE SCHEMATIC

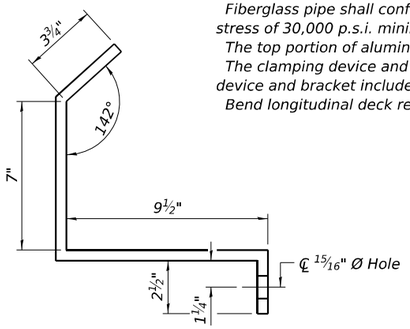


SECTION THRU PARAPET



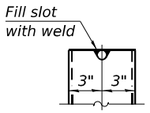
SECTION E-E

*Dimension as required by pipe clamp

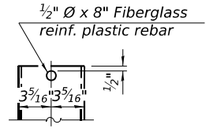


BRACKET DETAIL

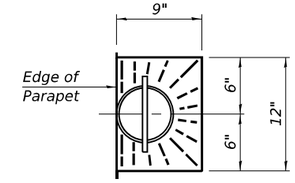
Notes:
Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
The top portion of aluminum floor drains shall be coated to minimize reaction with wet concrete.
The clamping device and bracket shall be galvanized according to AASHTO M 232. Cost of clamping device and bracket included with Floor Drains.
Bend longitudinal deck reinforcement as needed to fit drain thru deck.



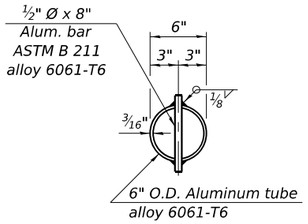
ALUMINUM TUBE



FIBERGLASS PIPE



TOP PLAN



TOP PLAN

(Showing aluminum tube)

MODEL: Default
FILE NAME: S:\23Y2024\23724010.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-0570167-005-Super Section (SB).dgn
8/7/2025 2:04:08 PM

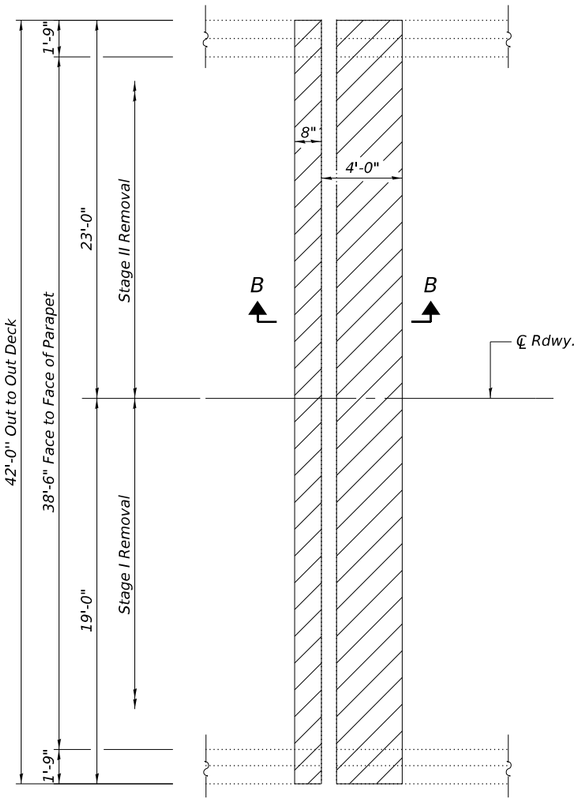
MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = baswanson	DESIGNED - KJA	REVISED -	
	CHECKED - BAS	REVISED -	
PLOT SCALE =	DRAWN - KJA	REVISED -	
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

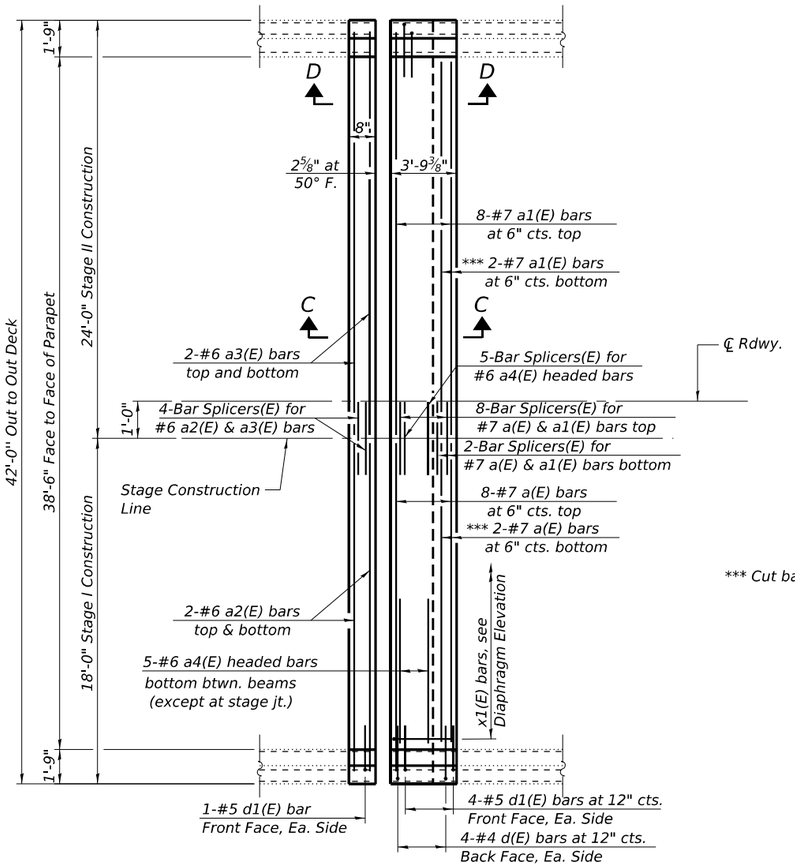
SUPERSTRUCTURE (SB)
STRUCTURE NO. 057-0167
SHEET 5 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	38
		CONTRACT NO. 70F93		
	ILLINOIS FED. AID PROJECT			



CONCRETE REMOVAL AT ABUTMENT - S.N. 057-0167

(South End Shown, North End Opposite)



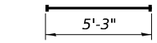
CONCRETE REPLACEMENT AT ABUTMENT - S.N. 057-0167

(South End Shown, North End Opposite)

SUPERSTRUCTURE (S.N. 057-0167)

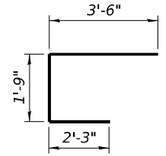
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	20	#7	17'-6"	
a1(E)	20	#7	23'-6"	
a2(E)	8	#6	17'-6"	
a3(E)	8	#6	23'-6"	
a4(E)	50	#6	5'-3"	
d(E)	16	#4	4'-3"	
d1(E)	20	#5	3'-5"	
d4(E)	8	#4	2'-1"	
x1(E)	134	#4	7'-6"	
Concrete Removal			Cu. Yd.	22.1
Concrete Superstructure			Cu. Yd.	22.1
Reinforcement Bars, Epoxy Coated			Pound	3360



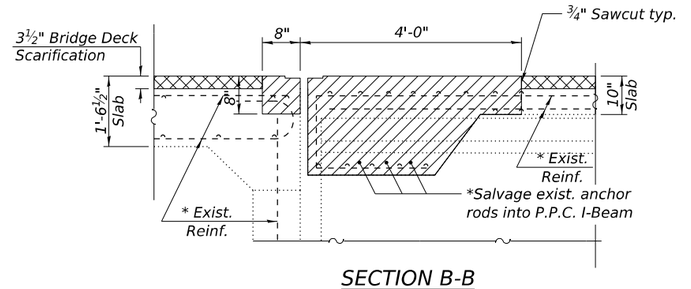
HEADED BAR a4(E)

(Headed. 100-#6 Bar Terminators)

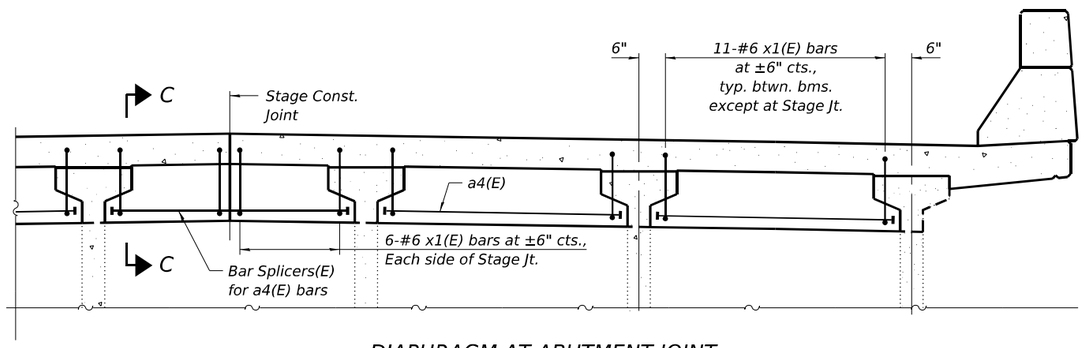


BAR x1(E)

*** Cut bars to fit in deck overhang



SECTION B-B



DIAPHRAGM AT ABUTMENT JOINT

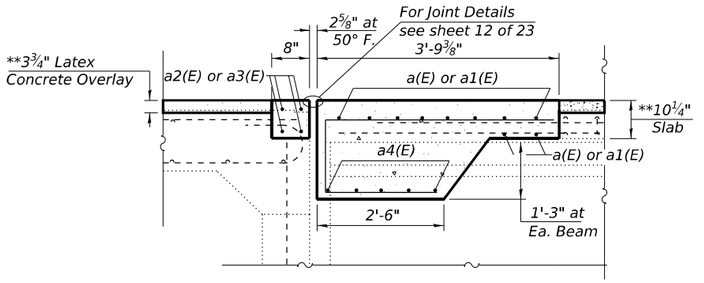
Notes:

Hatched areas indicate Concrete Removal.

For parapet dimensions and details and View D-D, see sheet 7 of 23.

Deck Joint dimensions are based on a Rolled Rail Strip Seal Joint. If the Contractor elects to use the Welded Rail Strip Seal Joint, deck dimensions may require adjustments to satisfy the details on sheet 12 of 23.

For details of Bar Splicers, see sheet 13 of 23.



SECTION C-C

* Existing reinforcement bars or other steel extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any elements that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

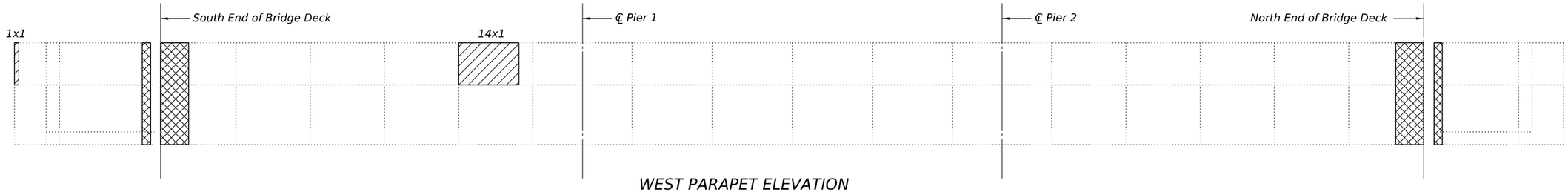
** Prior to ¼" Diamond Grinding

MAURER-STUTZ ENGINEERS SURVEYORS

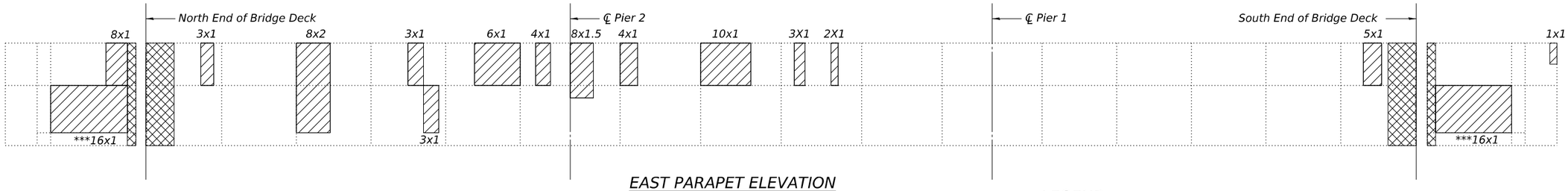
USER NAME = baswanson	DESIGNED - KJA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	JOINT REPLACEMENT DETAILS (SB) STRUCTURE NO. 057-0167
PLOT SCALE =	CHECKED - BAS	REVISED -		SHEET 6 OF 23 SHEETS
PLOT DATE = 8/7/2025	DRAWN - KJA	REVISED -		
	CHECKED - LVM	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	39
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		

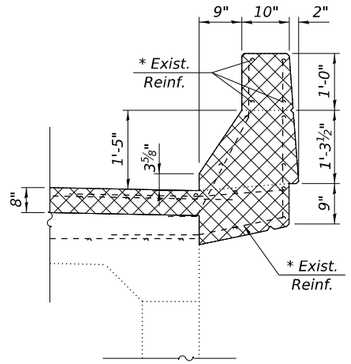
MODEL: Default
FILE NAME: S:\23\2024\23724010.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-057016?-006-Joint Removal and Const. (SB).dgn
8/7/2025 2:04:09 PM



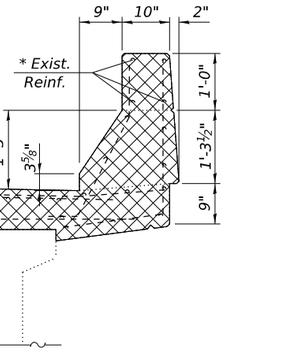
WEST PARAPET ELEVATION
(Looking West)



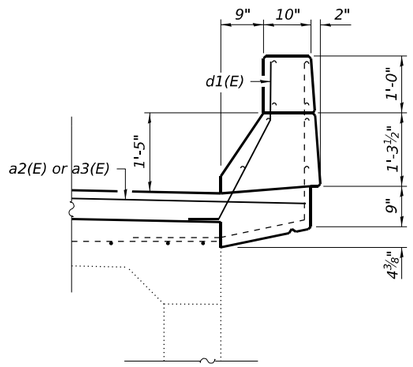
EAST PARAPET ELEVATION
(Looking East)



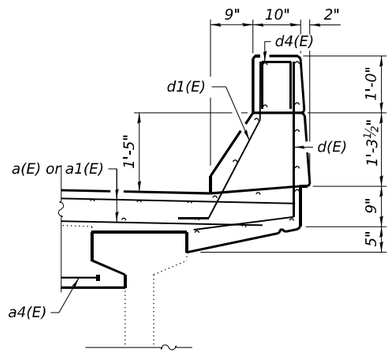
SECTION THRU APPROACH PARAPET



SECTION THRU BRIDGE DECK PARAPET



SECTION THRU APPROACH PARAPET
(Match Existing Section)



SECTION THRU BRIDGE DECK PARAPET
(Match Existing Section)

LEGEND

	Structural Repair of Concrete (Depth ≤ 5") (Parapets Only)
	Concrete Removal and Concrete Superstructure

* Existing reinforcement bars or other steel extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any elements that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

** Prior to ¼" Diamond Grinding

*** Depth of concrete repair likely to exceed 5 inches.

Notes:

See sheet 6 of 23 for Bill of Material for parapet removal and replacement at the abutment joint.

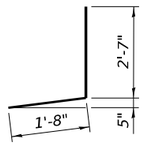
At any drain hole locations exposed at the face of parapet by the scarification, remove ±2" depth of concrete around the hole, clean and fill the hole with polyurethane sealant, and fill the removed concrete with fresh concrete prior to placement of the latex concrete overlay. Cost included with Bridge Deck Scarification.

Existing guardrail or railing shall be temporarily removed and re-erected where needed to allow for replacement or repair of the parapet ends. Any railing damaged during construction shall be replaced at the Contractor's expense. Cost included with Structural Repair of Concrete.

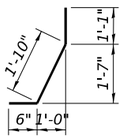
If necessary, the Contractor has the option of post-installing stainless steel anchor rods of the same diameter and grade as the specified cap screws according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

PARAPET REPAIR (S.N. 057-0167)
BILL OF MATERIAL

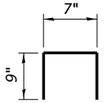
Item	Unit	Total
Structural Repair of Concrete (Depth Less Than or Equal to 5")	Sq. Ft.	95
Structural Repair of Concrete (Depth Greater Than 5")	Sq. Ft.	32



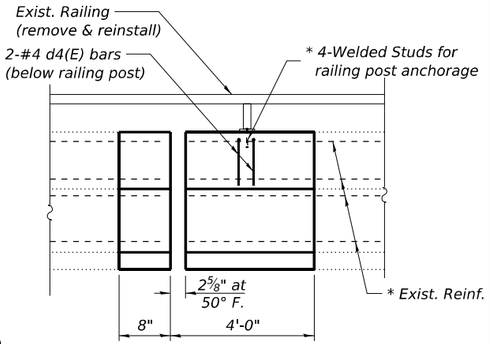
BAR d(E)



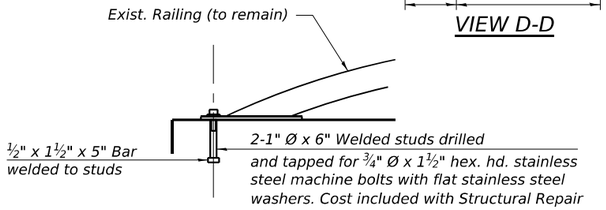
BAR d1(E)



BAR d4(E)



VIEW D-D



RAIL TERMINAL SECTION

MODEL: Default
FILE NAME: S:\237\2024\2372401\0.01 (210-023 W01 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-057\0167-007-Super Structure Details (SB).dgn
8/7/2025 2:04:11 PM

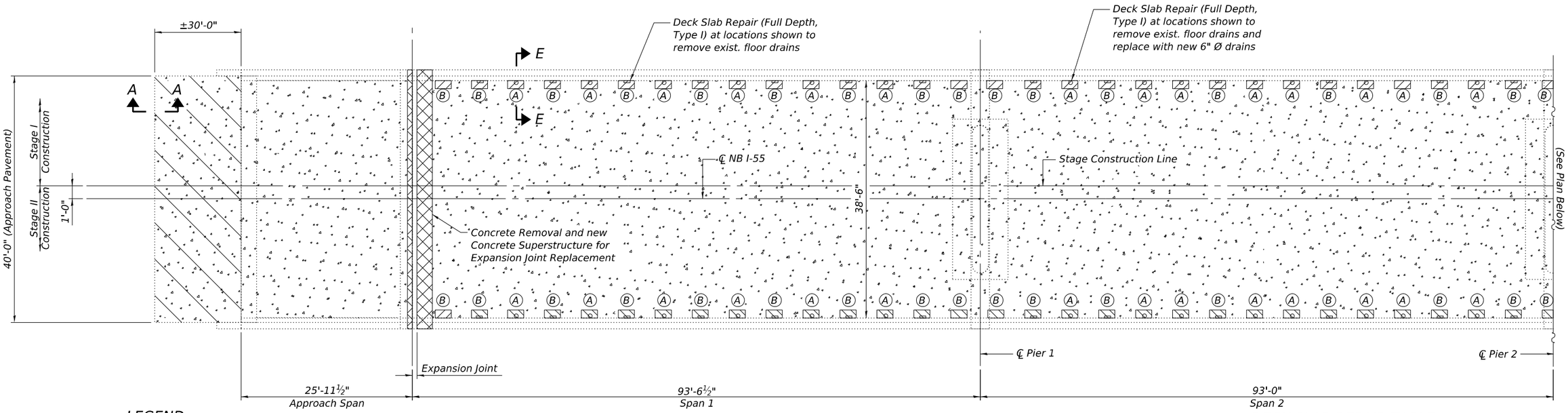
MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = baswanson		DESIGNED - KJA		REVISED -	
		CHECKED - BAS		REVISED -	
PLOT SCALE =		DRAWN - KJA		REVISED -	
PLOT DATE = 8/7/2025		CHECKED - LVM		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET REPAIR DETAILS (SB)
STRUCTURE NO. 057-0167
SHEET 7 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	40
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		



LEGEND

	Deck Slab Repair (Full Depth)
	Concrete Removal and Concrete Superstructure
	Bridge Deck Scarification, 3½" and Bridge Deck Latex Concrete Overlay, 3¾"
	Bridge Deck Scarification, 2¼" and Bridge Deck Latex Concrete Overlay, 2½"

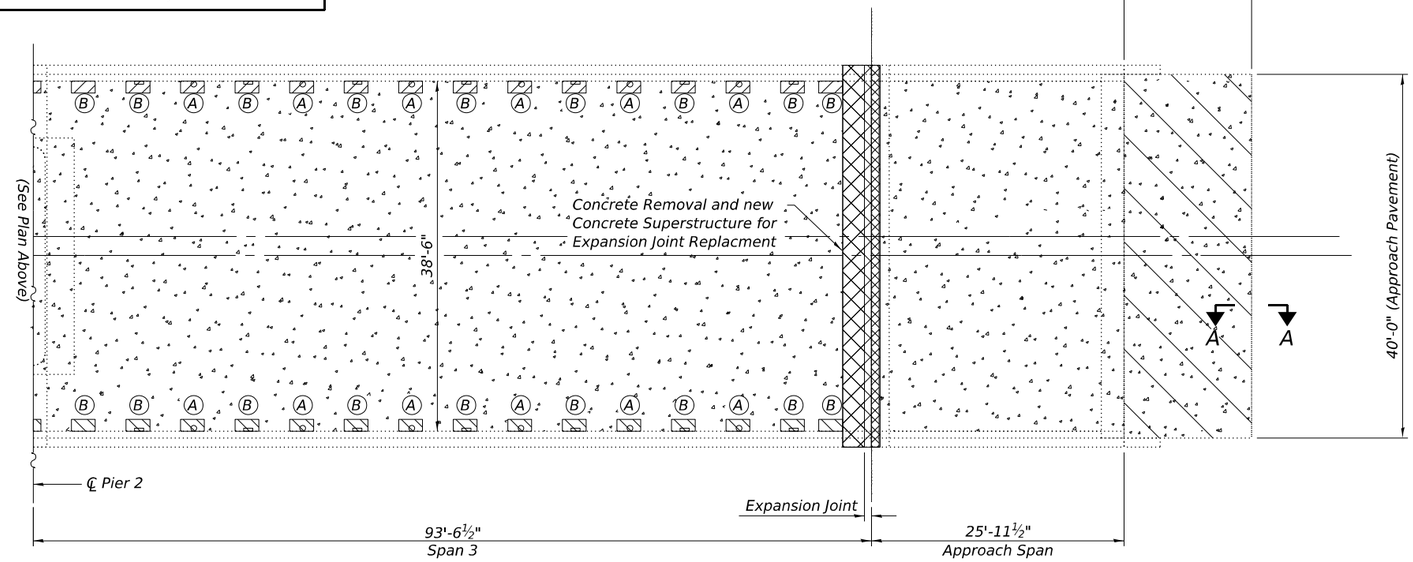
Notes:
Bridge Deck Scarification shall extend across the surface of any completed full depth deck slab repair to ensure equivalent surface texture prior to placement of overlay.
See sheet 9 of 23 for typical bridge cross section, overlay profile, and Section A-A.
See sheet 10 of 23 for abutment joint replacement details.

PLAN - DECK SLAB REPAIRS - S.N. 057-0168
(South End)

DECK SLAB REPAIR TABLE

Label	Size	Notes	Plan Qty.			As Built		
			Deck Slab Repair (FD Type I)	Deck Slab Repair (FD Type II)	Appr. Slab Repair (Full Depth)	Deck Slab Repair (FD Type I)	Deck Slab Repair (FD Type II)	Appr. Slab Repair (Full Depth)
			Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.
A	1' x 2' x 40 Loc.	See Note 1	80					
B	1' x 2' x 52 Loc.	See Note 2	104					
	Contingency Area	See Note 3		105				
	Contingency Area	See Note 4			24			
		Totals	184	105	24			

Table Notes:
Note 1 - Remove and replace existing 4"x12" aluminum drain with 6" diameter floor drains. See Sheet 9 of 23 for drain details. Cost of removal of existing drains included with Deck Slab Repair (Full Depth, Type I).
Note 2 - Remove existing 4"x12" aluminum drain. Cost included with Deck Slab Repair (Full Depth, Type I).
Note 3 - A contingency value of 1% of the bridge deck area is provided for potential Deck Slab Repair, Full Depth. Deck shall be evaluated following completion of the Bridge Deck Scarification.
Note 4 - A contingency value of 1% of the approach pavement area is provided for potential Approach Slab Repair (Full Depth). Pavement surface shall be evaluated following completion of the Bridge Deck Scarification.



PLAN - DECK SLAB REPAIRS - S.N. 057-0168
(North End)

DECK SLAB REPAIR (S.N. 057-0168)
BILL OF MATERIAL

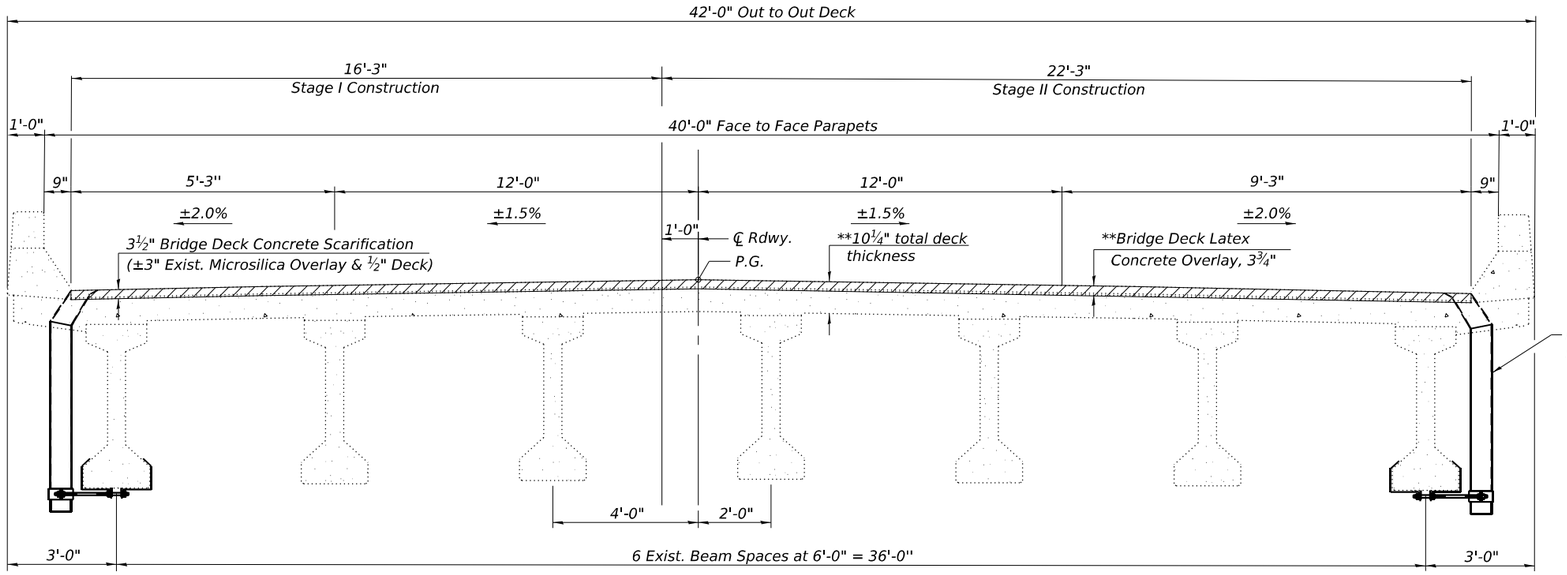
Item	Unit	Total
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	20
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	12
Approach Slab Repair (Full Depth)	Sq. Yd.	3
Bridge Deck Scarification 2 1/4"	Sq. Yd.	267
Bridge Deck Scarification 3 1/2"	Sq. Yd.	1380
Bridge Deck Latex Concrete Overlay, 2 1/2 Inches	Sq. Yd.	267
Bridge Deck Latex Concrete Overlay, 3 3/4 Inches	Sq. Yd.	1380
Floor Drains	Each	40

MODEL: Default
FILE NAME: S:\23Y2024\23724010.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-0570167-008-Deck Repair (NB).dgn
8/7/2025 2:04:12 PM

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = baswanson	DESIGNED - KJA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK SLAB REPAIR PLAN (NB) STRUCTURE NO. 057-0168	SHEET 8 OF 23 SHEETS
	CHECKED - BAS	REVISED -			
PLOT SCALE =	DRAWN - KJA	REVISED -			
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -			

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	41
		CONTRACT NO. 70F93		
		ILLINOIS FED. AID PROJECT		

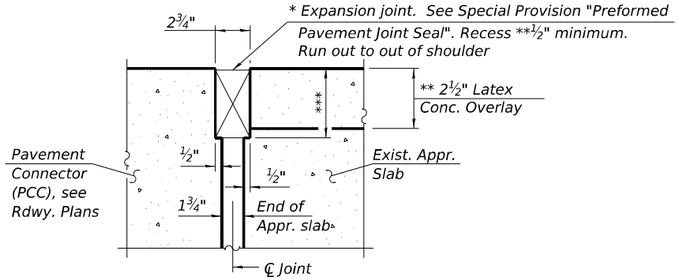


CROSS SECTION - S.N. 057-0168

(North Bound Lanes Looking North)

**Prior to Diamond Grinding

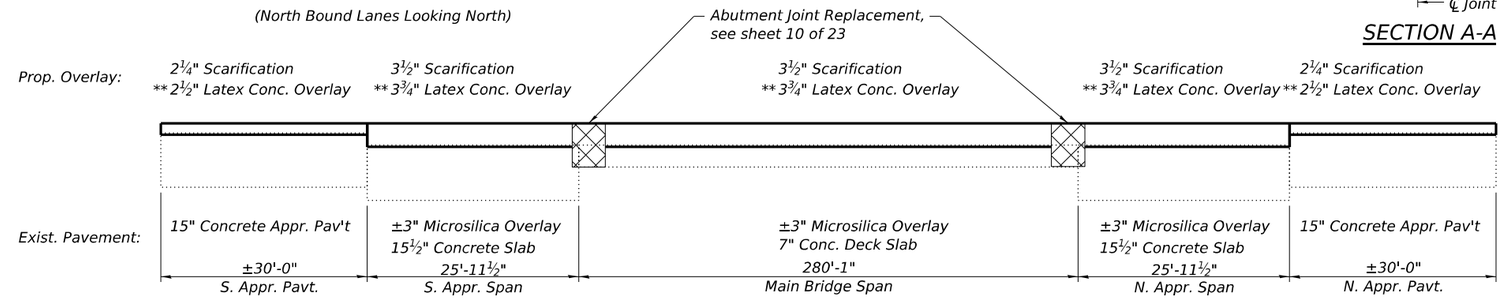
Notes:
Actual bridge cross slopes shall be measured and documented in the field prior to scarification.
See sheet 8 of 23 for Bill of Material for bridge deck overlay.
See sheet 11 of 23 for parapet elevations and replacement details at the expansion joint.



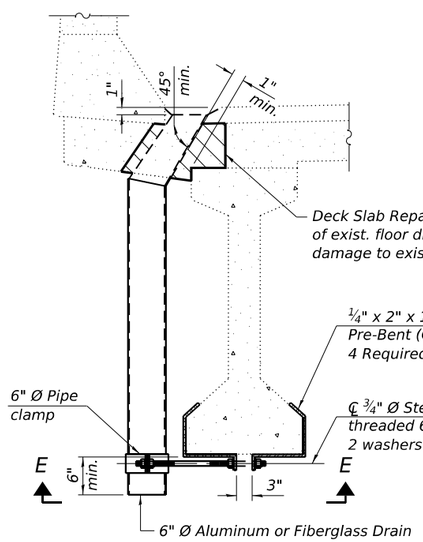
SECTION A-A

* Cost included with Pavement Connector (PCC) for Bridge Approach Slab

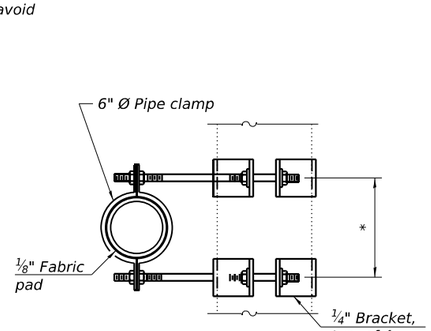
*** Per manufacturer recommendations



OVERLAY PROFILE SCHEMATIC

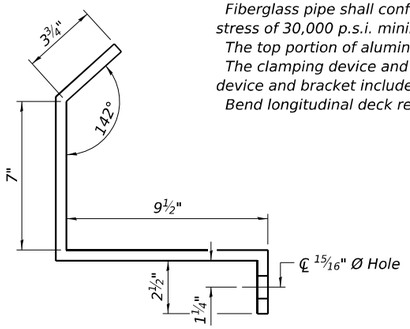


SECTION THRU PARAPET



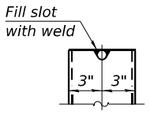
SECTION E-E

*Dimension as required by pipe clamp

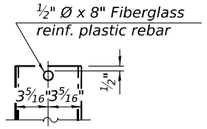


BRACKET DETAIL

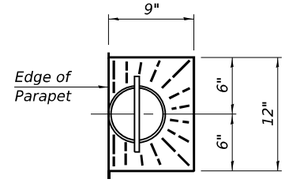
Notes:
Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
The top portion of aluminum floor drains shall be coated to minimize reaction with wet concrete.
The clamping device and bracket shall be galvanized according to AASHTO M 232. Cost of clamping device and bracket included with Floor Drains.
Bend longitudinal deck reinforcement as needed to fit drain thru deck.



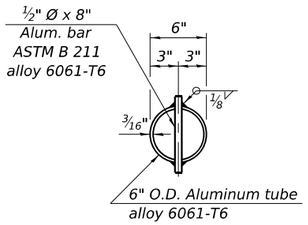
ALUMINUM TUBE



FIBERGLASS PIPE



TOP PLAN



TOP PLAN

(Showing aluminum tube)

MODEL: Default
FILE NAME: S:\237\2024\23724010.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-057016?-009-Super Section (NB).dgn

8/7/2025 2:04:14 PM

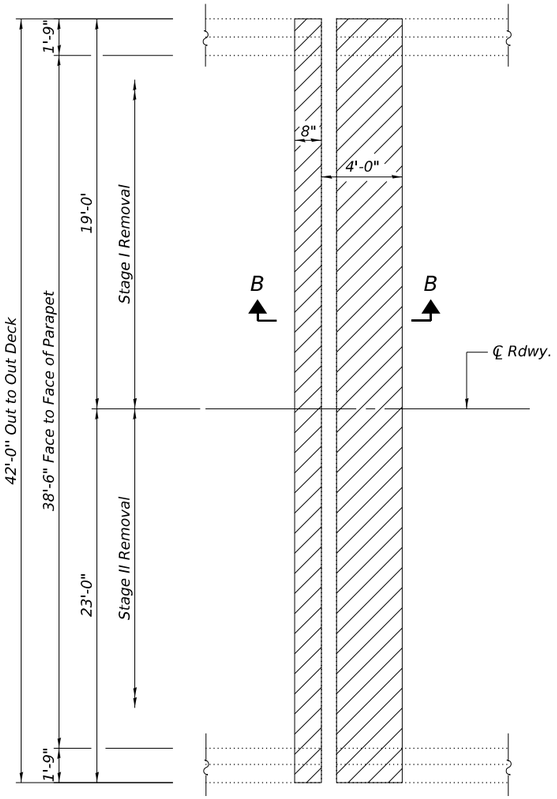
MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = baswanson		DESIGNED - KJA	REVISED -	
		CHECKED - BAS	REVISED -	
PLOT SCALE =		DRAWN - KJA	REVISED -	
PLOT DATE = 8/7/2025		CHECKED - LVM	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

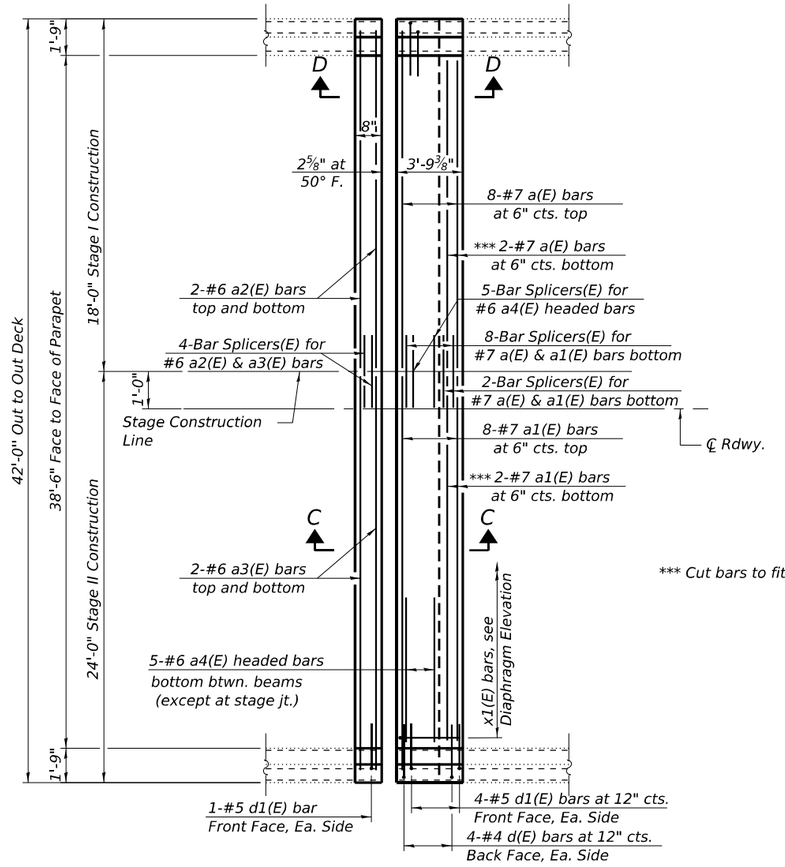
SUPERSTRUCTURE DETAILS (NB)
STRUCTURE NO. 057-0168
SHEET 9 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	42
		CONTRACT NO. 70F93		
		ILLINOIS	FED. AID PROJECT	



CONCRETE REMOVAL AT ABUTMENT - S.N. 057-0168

(South End Shown, North End Opposite)



CONCRETE REPLACEMENT AT ABUTMENT - S.N. 057-0168

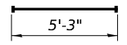
(South End Shown, North End Opposite)

*** Cut bars to fit in deck overhang

SUPERSTRUCTURE (S.N. 057-0168)

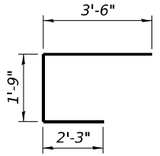
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	20	#7	17'-6"	
a1(E)	20	#7	23'-6"	
a2(E)	8	#6	17'-6"	
a3(E)	8	#6	23'-6"	
a4(E)	50	#6	5'-3"	
d(E)	16	#4	4'-3"	
d1(E)	20	#5	3'-5"	
d4(E)	8	#4	2'-1"	
x1(E)	134	#4	7'-6"	
Concrete Removal			Cu. Yd.	22.1
Concrete Superstructure			Cu. Yd.	22.1
Reinforcement Bars, Epoxy Coated			Pound	3360

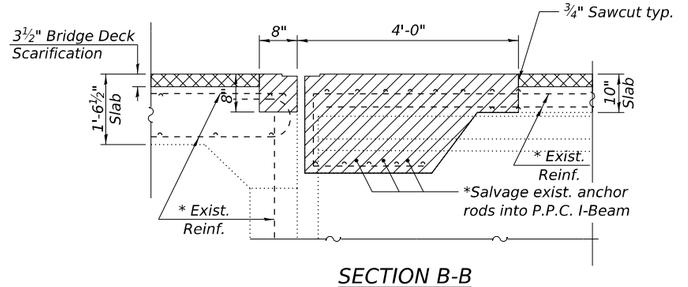


HEADED BAR a4(E)

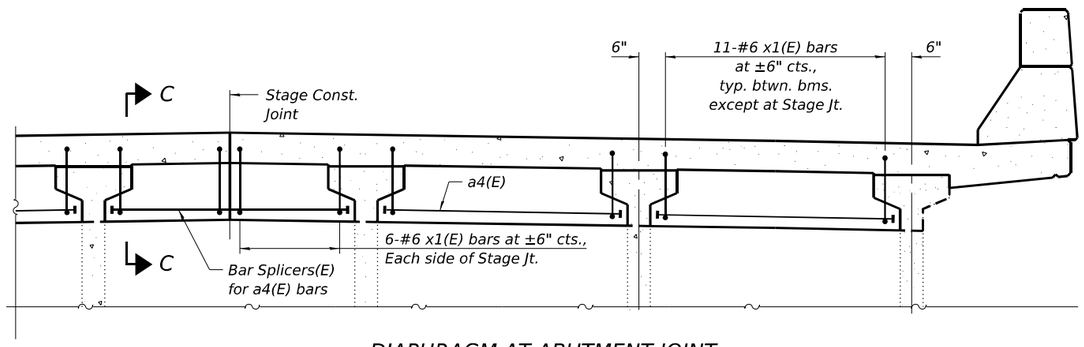
(Headed. 100-#6 Bar Terminators)



BAR x1(E)



SECTION B-B



DIAPHRAGM AT ABUTMENT JOINT

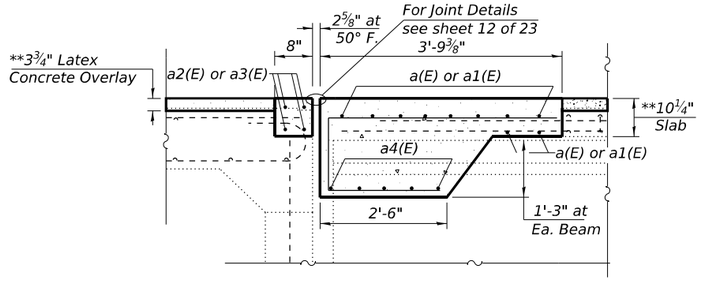
Notes:

Hatched areas indicate Concrete Removal.

For parapet dimensions and details and View D-D, see sheet 11 of 23.

Deck Joint dimensions are based on a Rolled Rail Strip Seal Joint. If the Contractor elects to use the Welded Rail Strip Seal Joint, deck dimensions may require adjustments to satisfy the details on sheet 12 of 23.

For details of Bar Splicers, see sheet 13 of 23.



SECTION C-C

* Existing reinforcement bars or other steel extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any elements that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

** Prior to ¼" Diamond Grinding

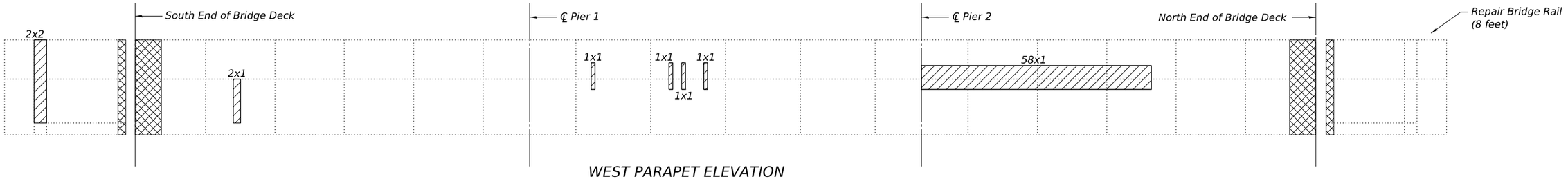
MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = baswanson	DESIGNED - KJA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	JOINT REMOVAL AND CONSTRUCTION DETAILS STRUCTURE NO. 057-0168	
	CHECKED - BAS	REVISED -			
PLOT SCALE =	DRAWN - KJA	REVISED -			
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -		SHEET 10 OF 23 SHEETS	

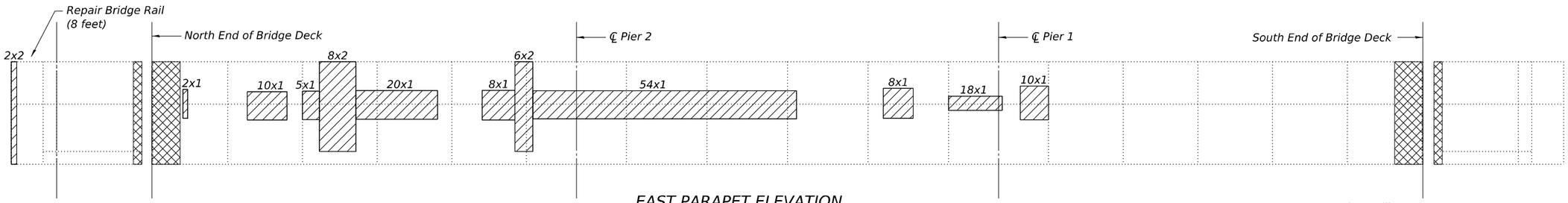
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	43
		CONTRACT NO. 70F93		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: S:\237\2024\237240\10_01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-057016\7-010-Joint Removal and Const. (NB).dgn

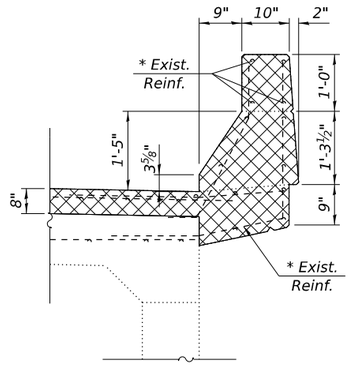
8/7/2025 2:04:15 PM



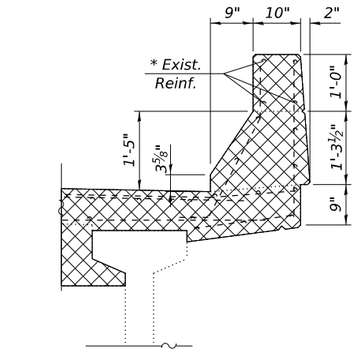
WEST PARAPET ELEVATION
(Looking West)



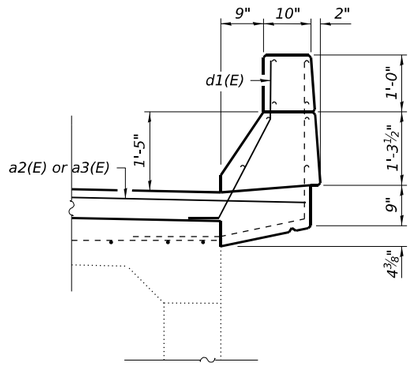
EAST PARAPET ELEVATION
(Looking East)



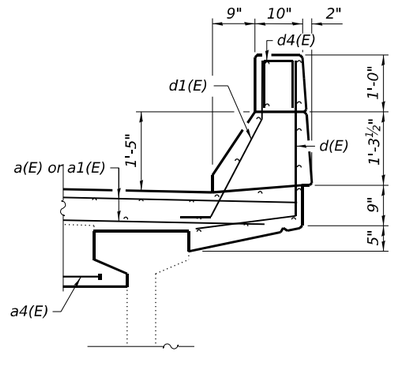
SECTION THRU APPROACH PARAPET



SECTION THRU BRIDGE DECK PARAPET



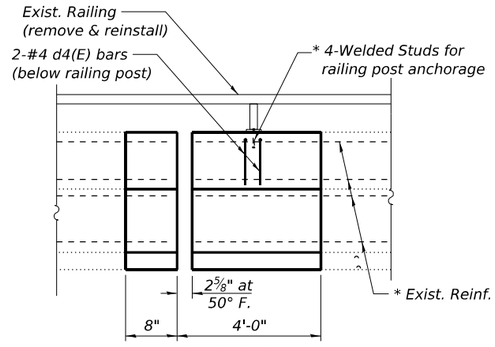
SECTION THRU APPROACH PARAPET
(Match Existing Section)



SECTION THRU BRIDGE DECK PARAPET
(Match Existing Section)

LEGEND

	Structural Repair of Concrete (Depth ≤ 5") (Parapets Only)
	Concrete Removal and Concrete Superstructure



VIEW D-D

* Existing reinforcement bars or other steel extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any elements that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

** Prior to ¼" Diamond Grinding

Notes:

See sheet 10 of 23 for Bill of Material for parapet removal and replacement at the abutment joint.

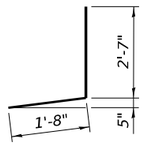
At any drain hole locations exposed at the face of parapet by the scarification, remove ±2" depth of concrete around the hole, clean and fill the hole with polyurethane sealant, and fill the removed concrete with fresh concrete prior to placement of the latex concrete overlay. Cost included with Bridge Deck Scarification.

Existing guardrail or railing shall be temporarily removed and re-erected where needed to allow for replacement or repair of the parapet ends. Any railing damaged during construction shall be replaced at the Contractor's expense. Cost included with Structural Repair of Concrete.

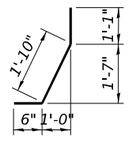
If necessary, the Contractor has the option of post-installing stainless steel anchor rods of the same diameter and grade as the specified cap screws according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

PARAPET REPAIR (S.N. 057-0168)
BILL OF MATERIAL

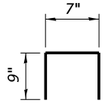
Item	Unit	Total
Structural Repair of Concrete (Depth Less Than or Equal to 5")	Sq. Ft.	235
Repair Bridge Rail	Foot	16



BAR d(E)



BAR d1(E)



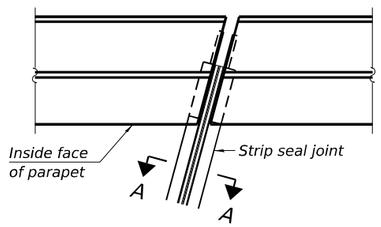
BAR d4(E)

MODEL: Default
FILE NAME: S:\237\2024\237240110.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-0570167-011-Super Structure Details (NB).dgn
8/7/2025 2:04:16 PM

MAURER-STUTZ ENGINEERS SURVEYORS

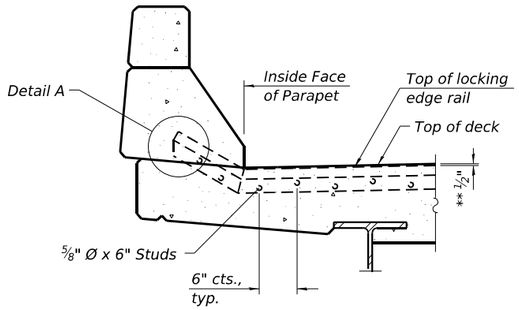
USER NAME = baswanson	DESIGNED - KJA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PARAPET REPAIR DETAILS (NB) STRUCTURE NO. 057-0168	
	CHECKED - BAS	REVISED -			
PLOT SCALE =	DRAWN - KJA	REVISED -			
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -		SHEET 11 OF 23 SHEETS	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	44
		CONTRACT NO. 70F93		
	ILLINOIS FED. AID PROJECT			



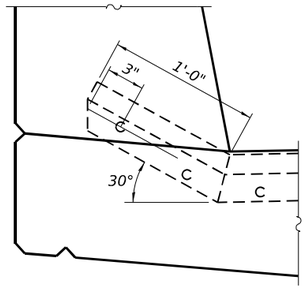
FOR SKEWS ≤ 30°

PLAN AT PARAPET



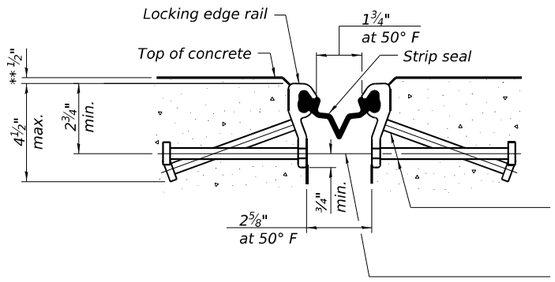
SECTION AT PARAPET

(Skews > 30° shown. Skews ≤ 30° similar except as shown in plan view.)



DETAIL A

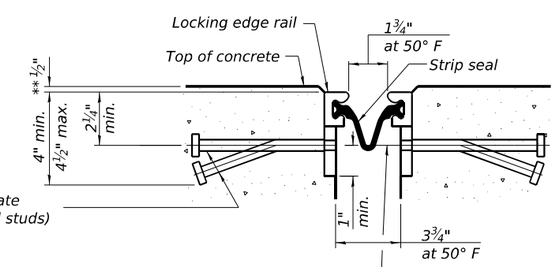
**Prior to Diamond Grinding



* ⅝" Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

⅜" Ø threaded rods in 7/16" Ø holes at 4'-0"± cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

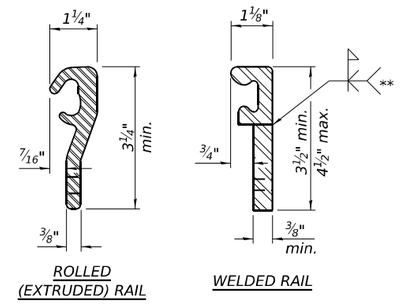
SHOWING ROLLED RAIL JOINT



SHOWING WELDED RAIL JOINT

SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



ROLLED (EXTRUDED) RAIL

WELDED RAIL

LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.

LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of ¼". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4½" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.

BILL OF MATERIAL (S.N. 057-0167)

Item	Unit	Total
Preformed Joint Strip Seal	Foot	81

BILL OF MATERIAL (S.N. 057-0168)

Item	Unit	Total
Preformed Joint Strip Seal	Foot	81

MODEL: Default
FILE NAME: S:\237\2024\2372401O.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-0570167-012-PJSS Joint Details.dgn

8/7/2025 2:04:17 PM

MAURER-STUTZ ENGINEERS SURVEYORS

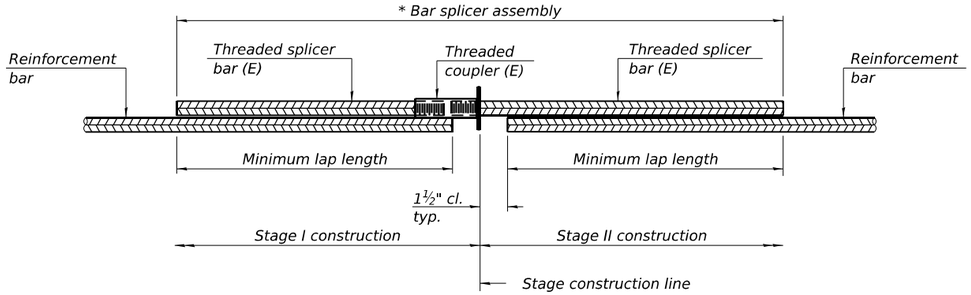
USER NAME =	baswanson	DESIGNED -	KJA	REVISED -	
		CHECKED -	BAS	REVISED -	
PLOT SCALE =		DRAWN -	KJA	REVISED -	
PLOT DATE =	8/7/2025	CHECKED -	LVM	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 057-0167 & 057-0168

SHEET 12 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	45
		CONTRACT NO. 70F93		
	ILLINOIS FED. AID PROJECT			



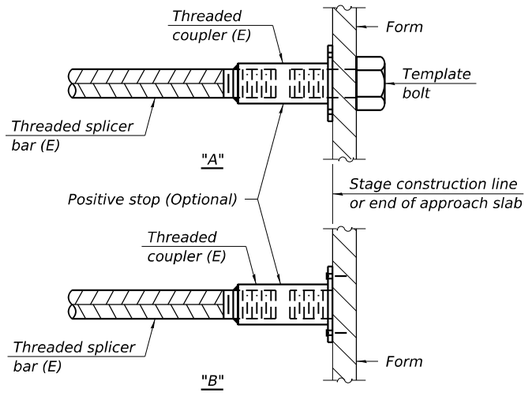
STANDARD BAR SPLICER ASSEMBLY PLAN

Only bar splicer assemblies as presented on the approved QPL list may be used.

Threaded splicer bar length = min. lap length + 1½" + thread length

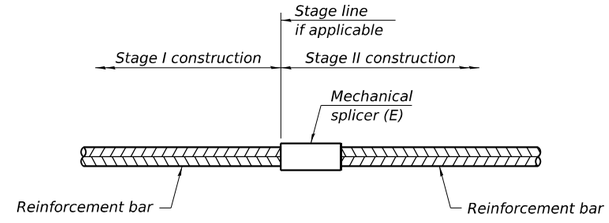
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Exp. Jt. (S.N. 057-0167)	#7	20	4'-7"
	#6	8	4'-10"
Exp. Jt. (S.N. 057-0168)	#7	20	4'-7"
	#6	8	4'-10"



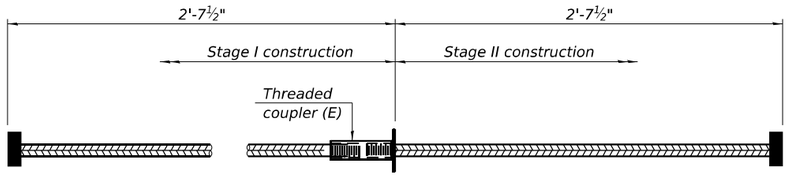
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

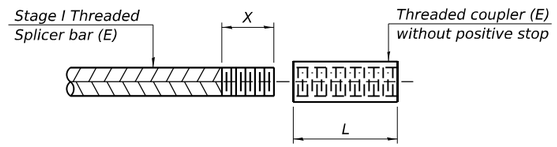
Location	Bar size	No. assemblies required



#6 a4(E) BAR SPLICER ASSEMBLY FOR EDGE BEAMS AT STAGE CONSTRUCTION JOINT

(S.N. 057-0167) — No. required = 10 — (Headed. 20-#6 Bar Terminators)

(S.N. 057-0168) — No. required = 10 — (Headed. 20-#6 Bar Terminators)



THREADING OF ASSEMBLIES

The threaded length "X" shall be no more than L/2. The bar should be tightened until 0-1 thread(s) is/are exposed.

Notes:
Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
All reinforcement shall be lapped and tied to the splicer bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
See approved list of bar splicer assemblies and mechanical splicers for alternatives.
Bar terminators paid for separately. See Total Bill of Material.

MODEL: Default
FILE NAME: S:\237\2024\2372410\01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-057\0167-013-Bar Splicer Assembly Details.dgn
8/7/2025 2:04:19 PM

MAURER-STUTZ ENGINEERS SURVEYORS

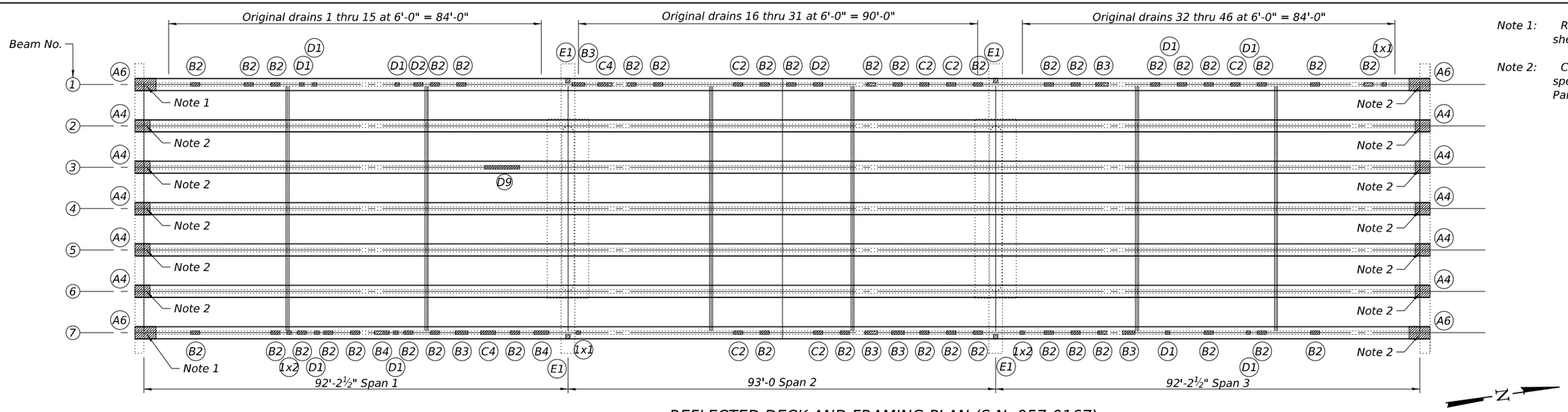
USER NAME =	baswanson	DESIGNED -	KJA	REVISED -	
		CHECKED -	BAS	REVISED -	
PLOT SCALE =		DRAWN -	KJA	REVISED -	
PLOT DATE =	8/7/2025	CHECKED -	LVM	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY DETAILS
STRUCTURE NO. 057-0167 & 057-0168

SHEET 13 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	46
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		



Note 1: Remove and replace bearing, see sheet 17 of 23.

Note 2: Clean and paint existing bearing, see special provision for Cleaning and Painting Bearings.

REFLECTED DECK AND FRAMING PLAN (S.N. 057-0167)

BEAM REPAIR TABLE - S.N. 057-0167

Beam	Location	Detail	FRP Qty. (Sq. Ft.)	Acrylic Qty. (Sq. Yd.)	PPC I-Bm Repair (Sq. Ft.)	SRC >5" (Sq. Ft.)
1	S. End & Drain 1	A6	74.3	8.0	19.0	
2	S. End	A4	41.5	4.6	10.3	
3	S. End	A4	41.5	4.6	10.0	
4	S. End	A4	41.5	4.6	9.5	
5	S. End	A4	41.5	4.6	5.0	
6	S. End	A4	41.5	4.6	2.0	
7	S. End & Drain 1	A6	74.3	8.0	18.0	
1	N. End & Drain 46	A6	74.3	8.0	10.8	
2	N. End	A4	41.5	4.6	6.0	
3	N. End	A4	41.5	4.6	7.0	
4	N. End	A4	41.5	4.6	7.3	
5	N. End	A4	41.5	4.6	7.3	
6	N. End	A4	41.5	4.6	5.5	
7	N. End & Drain 46	A6	74.3	8.0	13.0	
1	Drain 2	B2	9.7	1.2	1.0	
1	Drain 4	B2	9.7	1.2	1.0	
1	Drain 5	B2	9.7	1.2	4.0	
1	Drain 6	D1	9.3	1.2	0.3	
1	Btwn. Drain 6 & 7	D1	9.3	1.2	0.3	
1	Btwn. Drain 9 & 10	D1	9.3	1.2	0.3	
1	Btwn. Drain 10 & 11	D2	17.1	1.9	1.0	
1	Drain 11	B2	9.7	1.2	2.5	
1	Drain 12	B2	9.7	1.2	1.0	
3	B.F. Span 1	D9	71.4	7.1	6.5	
1	Drain 16	B3	14.2	1.6	4.3	
1	Drain 17	C4	47.6	5.0	6.5	
1	Drain 18	B2	9.7	1.2	3.5	
1	Drain 19	B2	9.7	1.2	1.0	
1	Drain 22	C2	24.8	2.8	3.8	
1	Drain 23	B2	9.7	1.2	1.5	
1	Drain 24	B2	9.7	1.2	1.0	
1	Drain 25	D2	17.1	1.9	0.3	
1	Drain 27	B2	9.7	1.2	1.0	
1	Drain 28	B2	9.7	1.2	1.0	
1	Drain 29	C2	24.8	2.8	3.5	
1	Drain 30	C2	24.8	2.8	3.8	
1	Drain 31	B2	9.7	1.2	3.3	

BEAM REPAIR TABLE - S.N. 057-0167 (CONT.)

Beam	Location	Detail	FRP Qty. (Sq. Ft.)	Acrylic Qty. (Sq. Yd.)	PPC I-Bm Repair (Sq. Ft.)	SRC >5" (Sq. Ft.)
1	Drain 33	B2	9.7	1.2	2.3	
1	Drain 34	B2	9.7	1.2	1.5	
1	Drain 35	B3	14.2	1.6	7.3	
1	Drain 37	B2	9.7	1.2	3.3	
1	Btwn. Drain 37 & 38	D1	9.3	1.2	0.3	
1	Drain 38	B2	9.7	1.2	1.5	
1	Drain 39	B2	9.7	1.2	3.0	
1	Drain 40	C2	24.8	2.8	4.3	
1	Btwn. Drain 40 & 41	D1	9.3	1.2	0.3	
1	Drain 41	B2	9.7	1.2	1.5	
1	Drain 43	B2	9.7	1.2	1.0	
1	Drain 45	B2	9.7	1.2	1.0	
1	Btwn. Drain 45 & 46	1'x1'	1.0	0.2	0.3	
7	Drain 2	B2	9.7	1.2	3.0	
7	Drain 5	B2	9.7	1.2	3.0	
7	Btwn. Drain 5 & 6	1'x2'	2.0	0.3	0.5	
7	Drain 6	B2	9.7	1.2	1.5	
7	Btwn. Drain 6 & 7	D1	9.3	1.2	0.3	
7	Drain 7	B2	9.7	1.2	1.6	
7	Drain 8	B2	9.7	1.2	2.5	
7	Drain 9	B4	18.7	2.1	7.5	
7	Btwn. Drain 9 & 10	D1	9.3	1.2	0.3	
7	Drain 10	B2	9.7	1.2	1.0	
7	Drain 11	B2	9.7	1.2	1.0	
7	Drain 12	B3	14.2	1.6	5.0	
7	Drain 13	C4	47.6	5.0	4.5	
7	Drain 14	B2	9.7	1.2	1.0	
7	Drain 15	B4	18.7	2.1	3.0	
7	Drain 16	1'x1'	1.0	0.2	0.3	
7	Drain 22	C2	24.8	2.8	1.3	
7	Drain 23	B2	9.7	1.2	1.0	
7	Drain 25	C2	24.8	2.8	1.3	
7	Drain 26	B2	9.7	1.2	1.0	
7	Drain 27	B3	14.2	1.6	6.0	
7	Drain 28	B3	14.2	1.6	6.5	
7	Drain 29	B2	9.7	1.2	1.3	
7	Drain 30	B2	9.7	1.2	3.8	
7	Drain 31	B2	9.7	1.2	1.5	

BEAM REPAIR TABLE - S.N. 057-0167 (CONT.)

Beam	Location	Detail	FRP Qty. (Sq. Ft.)	Acrylic Qty. (Sq. Yd.)	PPC I-Bm Repair (Sq. Ft.)	SRC >5" (Sq. Ft.)
7	Drain 32	1'x2'	2.0	0.3	0.5	
7	Drain 33	B2	9.7	1.2	2.5	
7	Drain 34	B2	9.7	1.2	2.5	
7	Drain 35	B2	9.7	1.2	1.0	
7	Drain 36	B3	14.2	1.6	2.5	
7	Btwn. Drain 37 & 38	D1	9.3	1.2	0.3	
7	Drain 39	B2	9.7	1.2	3.8	
7	Btwn. Drain 40 & 41	D1	9.3	1.2	0.3	
7	Drain 41	B2	9.7	1.2	1.5	
7	Drain 43	B2	9.7	1.2	2.5	
1	Pier 1	E1	3.7	0.4		0.5
1	Pier 2	E1	3.7	0.4		0.5
7	Pier 1	E1	3.7	0.4		0.5
7	Pier 2	E1	3.7	0.4		0.5
Totals			1667.2	189.7	287.8	2.0

BEAM REPAIRS (S.N. 057-0167) BILL OF MATERIAL

ITEM	UNIT	TOTAL
Prestressed Precast I-Beam Repair	Sq. Ft.	288
Fiber Wrap	Sq. Ft.	1668
Acrylic Coating	Sq. Yd.	190
Structural Repair of Concrete >5"	Sq. Ft.	2
Cleaning and Painting Bearings	Each	12

Notes:

FRP and PPC I-Beam repair sizes and locations are estimated based on April 2024 hands-on sounding of the beams. Final locations and limits of repairs to be determined by Engineer.

See sheet 16 of 23 for detail views of beam repairs.

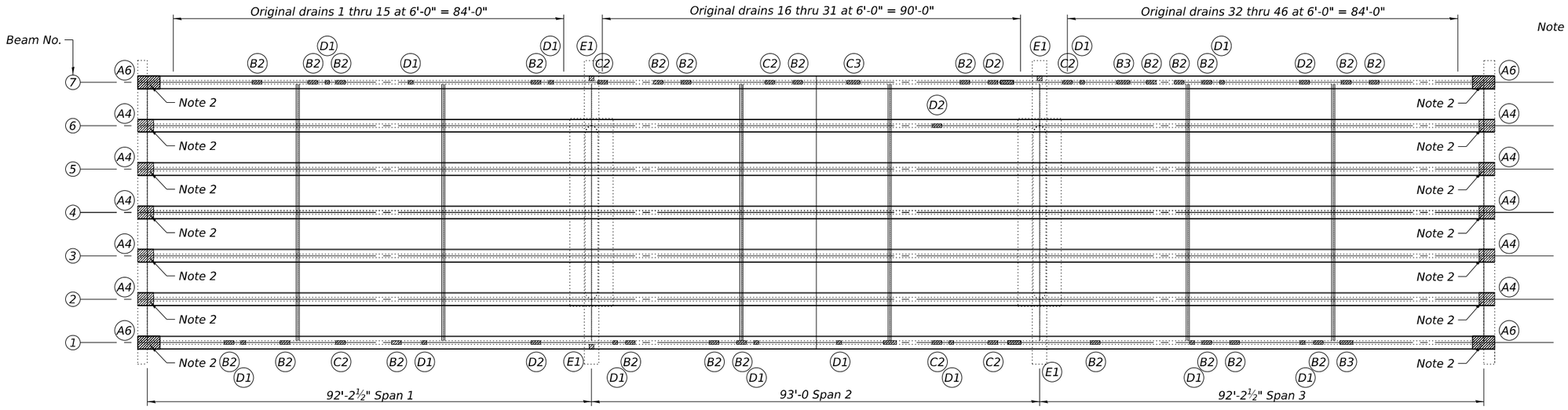
Repairs indicated thus, 1'x1', represent a need for a single 1-foot wide strip of FRP of the length defined.

MODEL: Default
FILE NAME: S:\237\2024\23724010.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-0570167-014-Beam Repair Plan (SB).dgn
8/7/2025 2:04:20 PM

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = baswanson	DESIGNED - KJA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BEAM REPAIR PLAN (SB) STRUCTURE NO. 057-0167
	CHECKED - BAS	REVISED -		
PLOT SCALE =	DRAWN - KJA	REVISED -		
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -		SHEET 14 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	47
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		



Note 2: Clean and paint existing bearing, see special provision for Cleaning and Painting Bearings.

REFLECTED DECK AND FRAMING PLAN (S.N. 057-0168)

N

BEAM REPAIR TABLE - S.N. 057-0168

Beam	Location	Detail	FRP Qty. (Sq. Ft.)	Acrylic Qty. (Sq. Yd.)	PPC I-Bm Repair (Sq. Ft.)	SRC >5" (Sq. Ft.)
1	S. End & Drain 1	A6	74.3	8.0	8.8	
2	S. End	A4	41.5	4.6	3.8	
3	S. End	A4	41.5	4.6	6.5	
4	S. End	A4	41.5	4.6	6.5	
5	S. End	A4	41.5	4.6	6.5	
6	S. End	A4	41.5	4.6	11.8	
7	S. End & Drain 1	A6	74.3	8.0	11.0	
1	N. End & Drain 46	A6	74.3	8.0	11.5	
2	N. End	A4	41.5	4.6	10.5	
3	N. End	A4	41.5	4.6	4.5	
4	N. End	A4	41.5	4.6	4.5	
5	N. End	A4	41.5	4.6	0.5	
6	N. End	A4	41.5	4.6	3.5	
7	N. End & Drain 46	A6	74.3	8.0	11.8	
1	Drain 3	B2	9.7	1.2	2.0	
1	Btwn. Drain 3 & 4	D1	9.3	1.2	0.3	
1	Drain 5	B2	9.7	1.2	1.5	
1	Drain 7	C2	24.8	2.8	1.3	
1	Drain 9	B2	9.7	1.2	1.0	
1	Drain 10	D1	9.3	1.2	0.3	
1	Drain 15	D2	17.1	1.9	0.8	
1	Btwn. Drain 17 & 18	D1	9.3	1.2	0.5	
1	Drain 18	B2	9.7	1.2	1.0	
1	Drain 21	B2	9.7	1.2	1.0	
1	Drain 22	B2	9.7	1.2	1.0	
1	Btwn. Drain 22 & 23	D1	9.3	1.2	0.3	
1	Btwn. Drain 25 & 26	D1	9.3	1.2	0.3	
1	Drain 29	C2	24.8	2.8	3.5	
1	Btwn. Drain 29 & 30	D1	9.3	1.2	0.3	
1	Drain 31	C2	24.8	2.8	1.8	
1	Drain 34	B2	9.7	1.2	1.0	
1	Btwn. Drain 37 & 38	D1	9.3	1.2	0.3	
1	Drain 38	B2	9.7	1.2	1.0	
1	Drain 39	B2	9.7	1.2	1.0	
1	Btwn. Drain 40 & 41	D1	9.3	1.2	0.3	
1	Drain 42	B2	9.7	1.2	4.0	
1	Drain 43	B3	14.2	1.6	2.8	

BEAM REPAIR TABLE - S.N. 057-0168 (CONT.)

Beam	Location	Detail	FRP Qty. (Sq. Ft.)	Acrylic Qty. (Sq. Yd.)	PPC I-Bm Repair (Sq. Ft.)	SRC >5" (Sq. Ft.)
7	Drain 4	B2	9.7	1.2	1.0	
7	Drain 6	B2	9.7	1.2	3.3	
7	Btwn. Drain 6 & 7	D1	9.3	1.2	0.3	
7	Drain 7	B2	9.7	1.2	2.0	
7	Btwn. Drain 9 & 10	D1	9.3	1.2	0.3	
7	Drain 14	C2	24.8	2.8	3.0	
7	Btwn. Drain 14 & 15	D2	17.1	1.9	0.3	
7	Drain 16	C2	24.8	2.8	0.8	
7	Drain 18	B2	9.7	1.2	1.5	
7	Drain 19	B2	9.7	1.2	2.3	
7	Drain 22	C2	24.8	2.8	1.8	
7	Drain 23	B2	9.7	1.2	1.5	
7	Drain 25	C3	36.2	3.9	1.5	
7	Drain 29	B2	9.7	1.2	2.5	
7	Drain 30	D2	17.1	1.9	0.5	
6	BF - Span 2	D2	17.1	1.9	1.3	
7	Drain 32	C2	24.8	2.8	0.5	
7	Btwn. Drain 32 & 33	D1	9.3	1.2	0.3	
7	Drain 34	B3	14.2	1.6	6.5	
7	Drain 35	B2	9.7	1.2	1.0	
7	Drain 36	B2	9.7	1.2	1.0	
7	Drain 37	B2	9.7	1.2	3.0	
7	Btwn. Drain 37 & 38	D1	9.3	1.2	0.3	
7	Btwn. Drain 40 & 41	D2	17.1	1.9	0.5	
7	Drain 42	B2	9.7	1.2	2.5	
7	Drain 43	B2	9.7	1.2	2.0	
1	Pier 1	E1	3.7	0.4		0.5
1	Pier 2	E1	3.7	0.4		0.5
7	Pier 1	E1	3.7	0.4		0.5
7	Pier 2	E1	3.7	0.4		0.5
	Totals		1375.7	156.6	170.5	2.0

BEAM REPAIRS (S.N. 057-0168) BILL OF MATERIAL

ITEM	UNIT	TOTAL
Prestressed Precast I-Beam Repair	Sq. Ft.	171
Fiber Wrap	Sq. Ft.	1376
Acrylic Coating	Sq. Yd.	157
Structural Repair of Concrete >5"	Sq. Ft.	2
Cleaning and Painting Bearings	Each	14

Notes:

FRP and PPC I-Beam repair sizes and locations are estimated based on April 2024 hands-on sounding of the beams. Final locations and limits of repairs to be determined by Engineer.

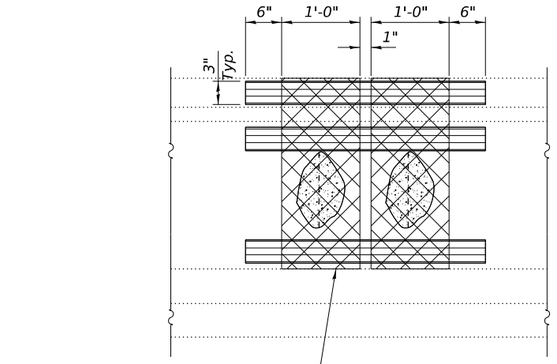
See sheet 16 of 23 for detail views of beam repairs.

MODEL: Default
FILE NAME: S:\23\2024\23724010.01 (210-023 W01 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-0570167-015-Beam Repair Plan (NB).dgn
8/7/2025 2:04:21 PM

MAURER-STUTZ ENGINEERS SURVEYORS

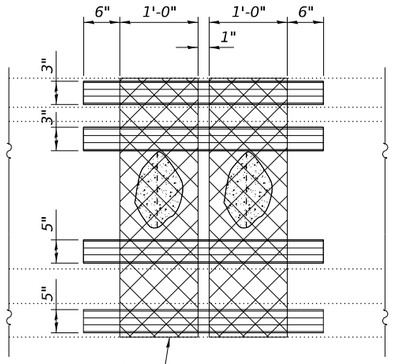
USER NAME = baswanson	DESIGNED - KJA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BEAM REPAIR PLAN (NB) STRUCTURE NO. 057-0168
	CHECKED - BAS	REVISED -		
PLOT SCALE =	DRAWN - KJA	REVISED -		SHEET 15 OF 23 SHEETS
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	48
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		



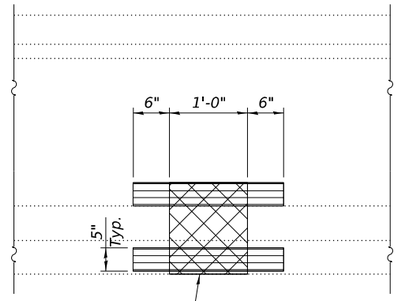
Use (2) 1'-0" vertical strips for repair B2
Use (3) 1'-0" vertical strips for repair B3
Use (4) 1'-0" vertical strips for repair B4

BEAM REPAIR B2,B3,B4 ELEVATION



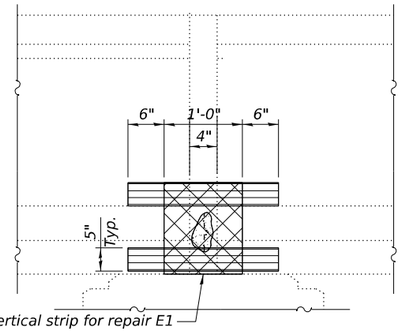
Use (2) 1'-0" vertical strip for repair C2
Use (3) 1'-0" vertical strips for repair C3
Use (4) 1'-0" vertical strips for repair C4

BEAM REPAIR C2,C3,C4 ELEVATION



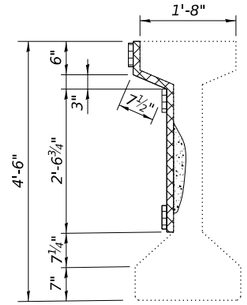
Use (1) 1'-0" vertical strip for repair D1
Use (2) 1'-0" vertical strips for repair D2
Use (9) 1'-0" vertical strips for repair D9

BEAM REPAIR D1,D2,D9 ELEVATION

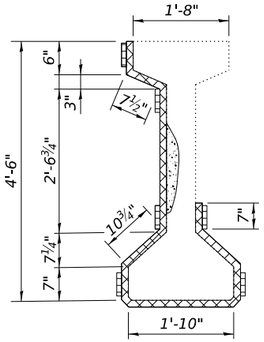


Use (1) 1'-0" vertical strip for repair E1

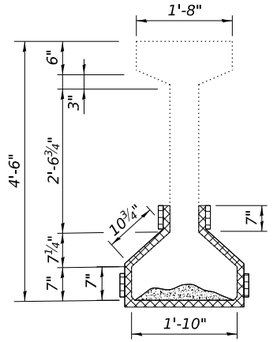
COMPRESSION BLOCK REPAIR E1 ELEVATION



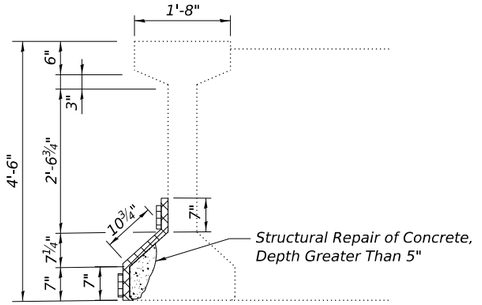
BEAM REPAIR B2,B3,B4 SECTION



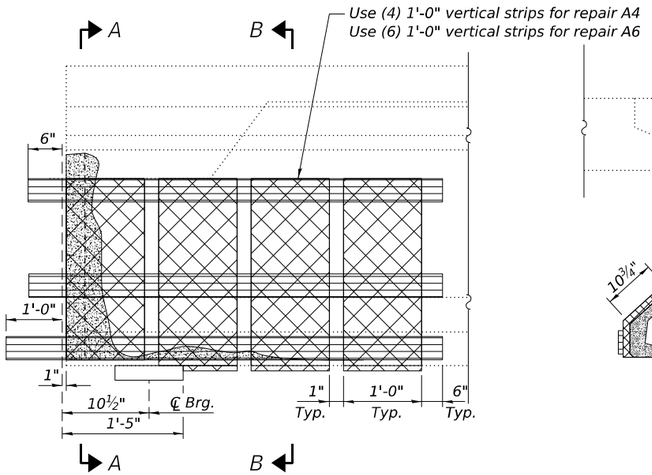
BEAM REPAIR C2,C3,C4 SECTION



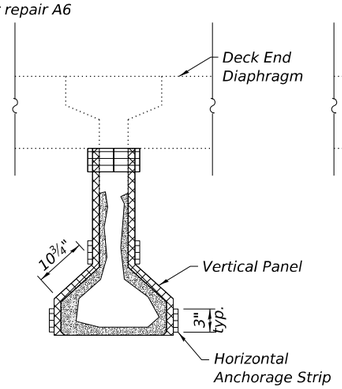
BEAM REPAIR D1,D2,D9 SECTION



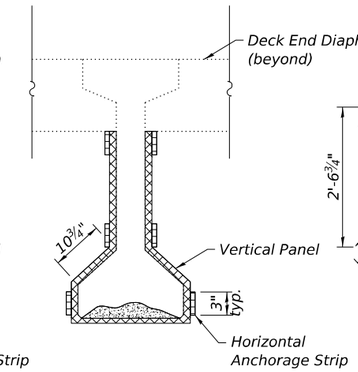
COMPRESSION BLOCK REPAIR E1 SECTION



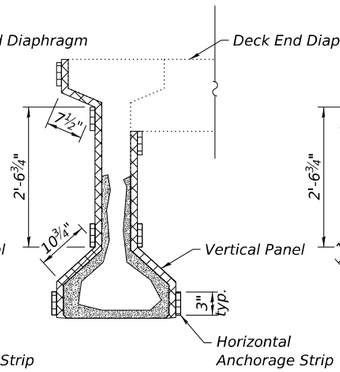
BEAM END REPAIR A4,A6 ELEVATION



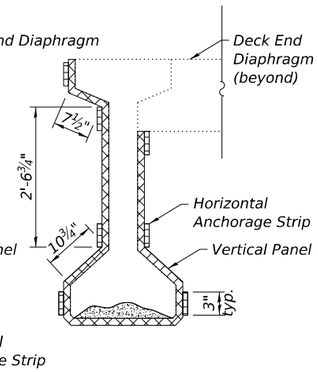
INTERIOR BEAM REPAIR
SECTION A-A



INTERIOR BEAM REPAIR
SECTION B-B



FASCIA BEAM REPAIR
SECTION A-A



FASCIA BEAM REPAIR
SECTION B-B

Notes:

See Sheet 14 thru 15 of 23 for locations of beam repairs.

See Special Provisions for "FRP Strengthening" and "Precast Prestressed Concrete I-Beam Repair".

The existing concrete surface shall be cleaned and prepared in accordance with the special provisions.

Acrylic coating shall be placed over the fiber wrap repairs. Two coats shall be applied. See Special Provisions for "FRP Strengthening".

Removal of existing concrete at the compression block repair locations shall consist of any loose or delaminated concrete between the beam ends or within the ends of the beam itself. The Contractor shall use extreme care during the removal process to prevent any damage to remaining portions of the precast beams or the prestressing strands. The Contractor shall use a pumpable concrete mix for the repair. Cost for this repair shall be paid for as Structural Repair of Concrete.

LEGEND

	Precast Prestressed Concrete I-Beam Repair (Areas to be determined by the Engineer)
	Horizontal Anchorage Strip (Wrap onto end of beam, where applicable)
	FRP with fibers oriented vertically. Fiber wrap shall bend to follow beam contours

MODEL: Default
FILE NAME: S:\237\2024\23724010.01 (210-023 WO1 CN70F93 Str Repairs\CADD\CADD Sheets\70f93-0570167-016-Beam Repair Details.dgn
8/7/2025 2:04:23 PM

MAURER-STUTZ ENGINEERS SURVEYORS

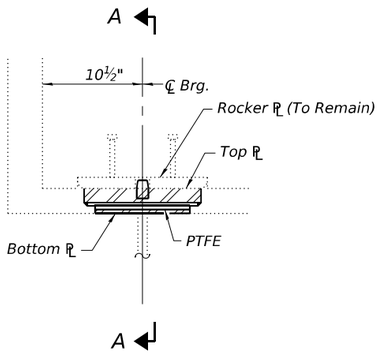
USER NAME =	baswanson	DESIGNED -	KJA	REVISED -	
		CHECKED -	BAS	REVISED -	
PLOT SCALE =		DRAWN -	KJA	REVISED -	
PLOT DATE =	8/7/2025	CHECKED -	LVM	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

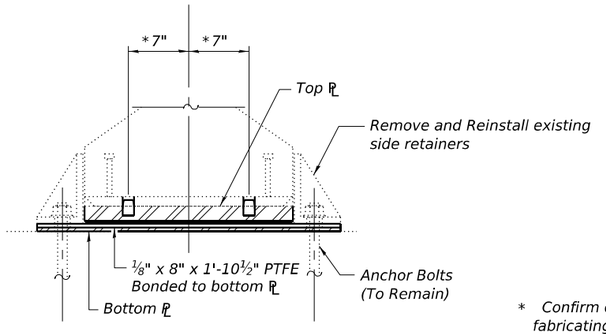
BEAM REPAIR DETAILS
STRUCTURE NO.057-0167 & NO.057-0168
SHEET 16 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	49

CONTRACT NO. 70F93
ILLINOIS | FED. AID PROJECT



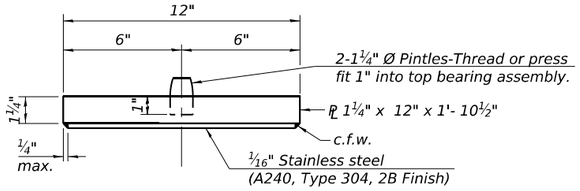
ELEVATION AT ABUT.



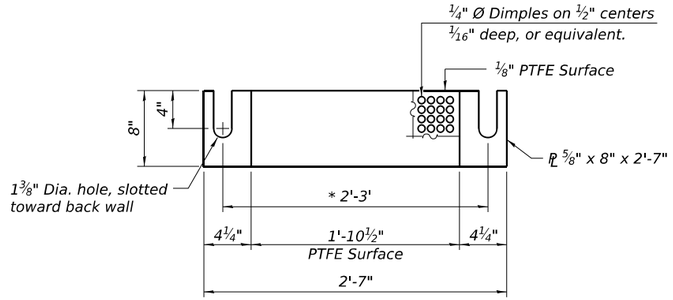
SECTION A-A

* Confirm existing dimensions prior to fabricating new steel bearing assembly

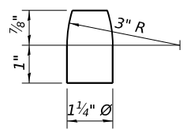
STEEL BEARING ASSEMBLY



TOP PLATE



BOTTOM PLATE



PINTLE

Notes:

Removal of concrete from the top of the abutment bearing seat may be necessary to accommodate removal of the existing bearing assembly. Coordinate with structural repair of concrete at the abutments.

The bottom plate of the existing bearing assembly may be cut to facilitate removal of the bearing assembly. Cost of removing the existing bottom plate, TFE, and top plate shall be included in the cost of Jack and Remove Existing Bearings.

Structural repair of concrete shall be completed prior to the installation of new steel bearing assemblies.

Prior to installation of new bearing assembly, all heavy or loose rust, loose mill scale, and other loose detrimental foreign material shall be removed from the exposed surfaces of the existing steel rocker plate embedded in the PPC I-Beam Cleaning of rocker plate shall be included in the cost of Steel Bearing Assembly.

Minimum jack capacity shall be 80 tons.

Existing side retainers shall be salvaged and reused for new steel bearing assemblies. Removal and reinstallation of side retainiers shall be included in the cost of Steel Bearing Assembly.

The ⅛" PTFE sheet shall be bonded directly to the bottom steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of ⅛" PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

All exposed bearing plates shall be hot dipped galvanized according to AASHTO M111.

GIRDER REACTION TABLE (EXIST.)		
		S.N. 057-0167
		S. Abut., Ext. Bm.
R ℙ	(k)	88.5
R ℄	(k)	28.7
R_{IM}	(k)	6.6
R_{Total}	(k)	123.8

BILL OF MATERIAL

Item	Unit	Total
Steel Bearing Assembly	Each	2
Jack and Remove Existing Bearings	Each	2

MODEL: Default
FILE NAME: S:\237\2024\23724010.01 (210-023 WO1 CN70F93 Str Repairs\CADD\CADD Sheets\70f93-0570167-017-Bearing Details.dgn

8/7/2025 2:04:24 PM

MAURER-STUTZ ENGINEERS SURVEYORS

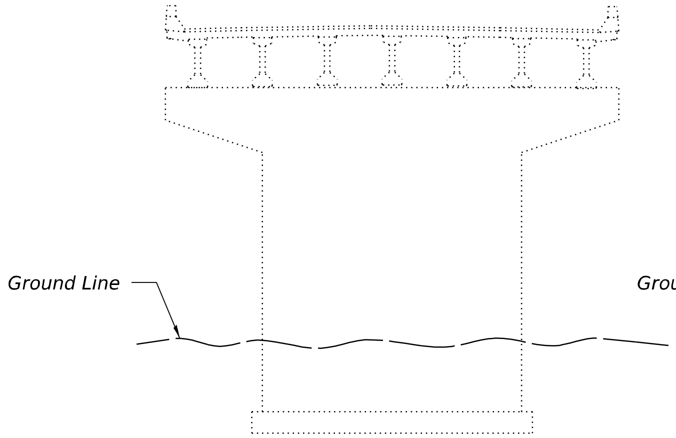
USER NAME = baswanson		DESIGNED - KJA	REVISED -	
		CHECKED - BAS	REVISED -	
PLOT SCALE =		DRAWN - KJA	REVISED -	
PLOT DATE = 8/7/2025		CHECKED - LVM	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

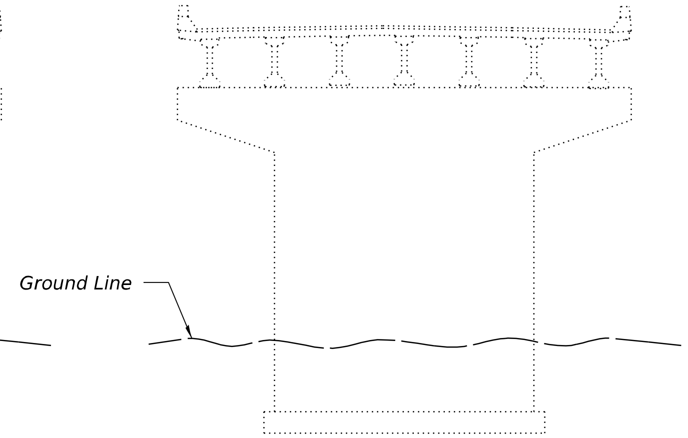
BEARING REPLACEMENT DETAILS
STRUCTURE NO. 057-0167

SHEET 17 OF 23 SHEETS

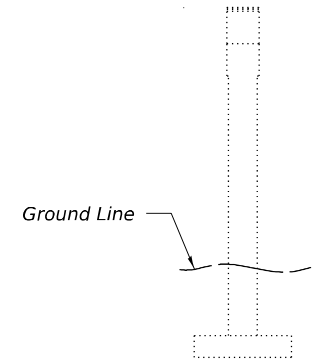
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	50
		CONTRACT NO. 70F93		
	ILLINOIS FED. AID PROJECT			



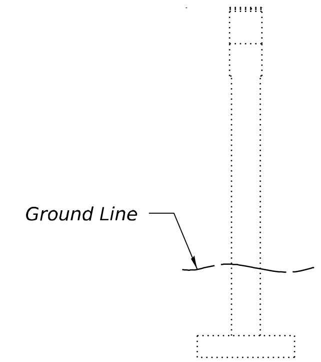
PIER 1 (SOUTH FACE)



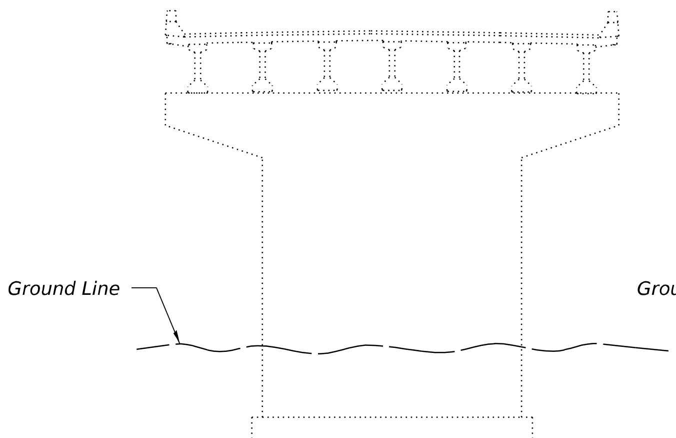
PIER 1 (NORTH FACE)



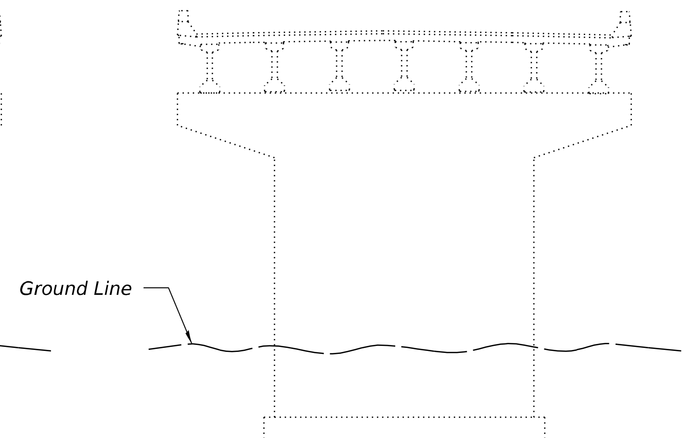
PIER 1 (WEST FACE)



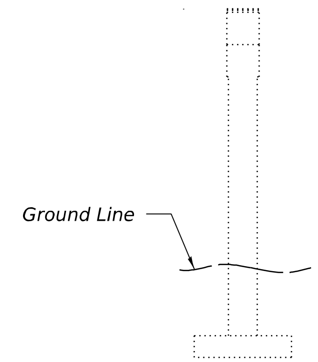
PIER 1 (EAST FACE)



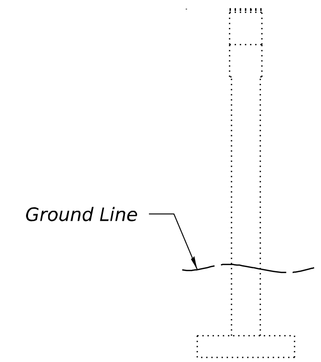
PIER 2 (SOUTH FACE)



PIER 2 (NORTH FACE)



PIER 2 (WEST FACE)



PIER 2 (EAST FACE)

Notes:
Repair areas shown are estimated from observational on October 30, 2024.
As of the above date, no needed repairs were noted. Sheet is provided to note any areas of concern that potentially arise between site visit and construction date.
Actual size and locations of completed repairs shall be shown on this sheet and documented in the provide tables under "As Built".

LEGEND

(diagonal hatch)	Structural Repair of Concrete (Depth Equal to or Less than 5 inches)
(cross hatch)	Structural Repair of Concrete (Depth Greater than 5 inches)

STRUCTURAL REPAIR OF CONCRETE TABLE

Label	Size	Plan Qty.		As Built	
		SRC ≤5"	SRC >5"	SRC ≤5"	SRC >5"
		Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.
	Totals				

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth ≤ 5 in.)	Sq. Ft.	0

MODEL: Default
FILE NAME: S:\237\2024\23724010.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-0570167-018-Pier Repair (SB).dgn

8/7/2025 2:04:25 PM

MAURER-STUTZ ENGINEERS SURVEYORS

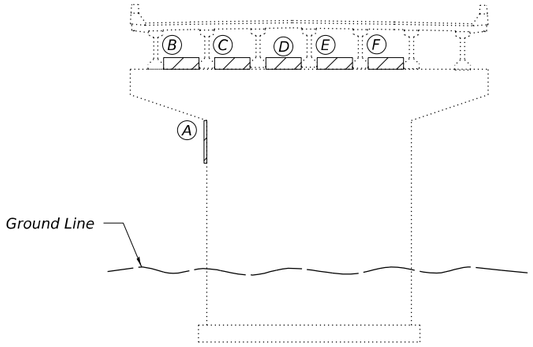
USER NAME = baswanson	DESIGNED - KJA	REVISED -	
	CHECKED - BAS	REVISED -	
PLOT SCALE =	DRAWN - KJA	REVISED -	
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

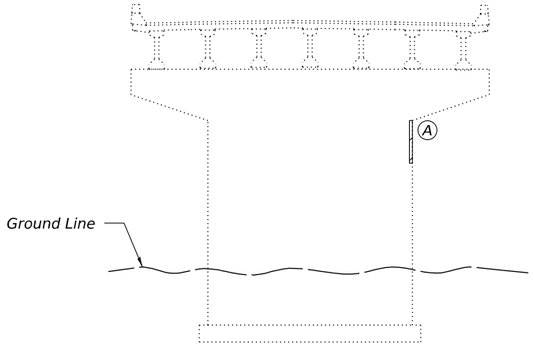
PIER REPAIRS (SB)
STRUCTURE NO. 057-0167

SHEET 18 OF 23 SHEETS

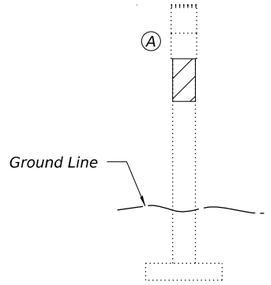
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	51
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		



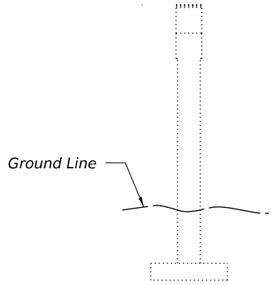
PIER 1 (SOUTH FACE)



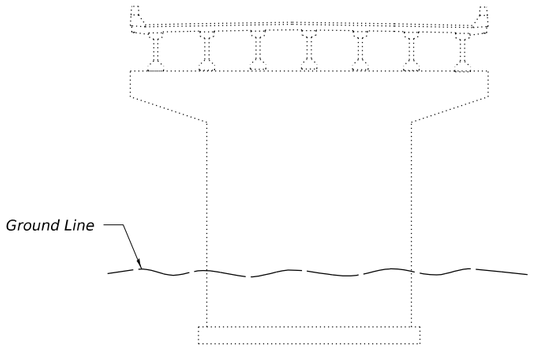
PIER 1 (NORTH FACE)



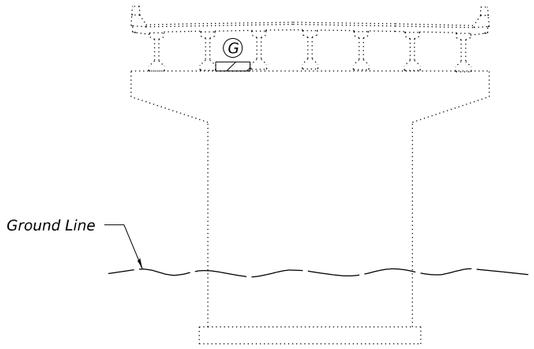
PIER 1 (WEST FACE)



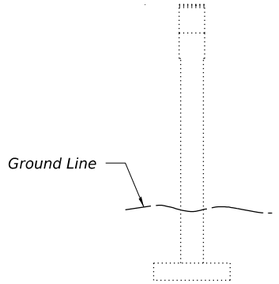
PIER 1 (EAST FACE)



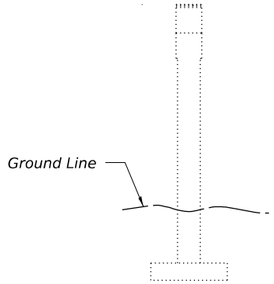
PIER 2 (SOUTH FACE)



PIER 2 (NORTH FACE)



PIER 2 (WEST FACE)



PIER 2 (EAST FACE)

Notes:
Repair areas shown are estimated from soundings on October 30, 2024.
Actual size and locations of completed repairs shall be shown on this sheet and documented in the provide tables under "As Built".

LEGEND

	Structural Repair of Concrete (Depth Equal to or Less than 5 inches)
	Structural Repair of Concrete (Depth Greater than 5 inches)

STRUCTURAL REPAIR OF CONCRETE TABLE

Label	Size	Plan Qty.		As Built	
		SRC ≤5"	SRC >5"	SRC ≤5"	SRC >5"
		Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.
A	2' x 4'	8			
B	4' x 1'	4			
C	4' x 1'	4			
D	4' x 1'	4			
E	4' x 1'	4			
F	4' x 1'	4			
G	4' x 1'	4			
Totals		32			

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth ≤ 5 in.)	Sq. Ft.	32

MODEL: Default
FILE NAME: S:\23T\2024\23724010.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-0570167-019-Pier Repair (NB).dgn
8/7/2025 2:04:26 PM

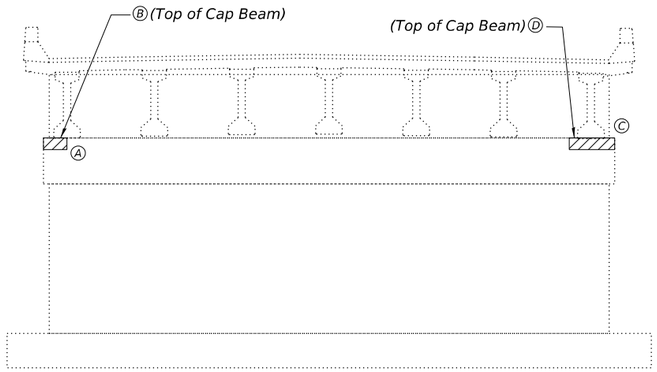
MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = baswanson	DESIGNED - KJA	REVISED -	
	CHECKED - BAS	REVISED -	
PLOT SCALE =	DRAWN - KJA	REVISED -	
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -	

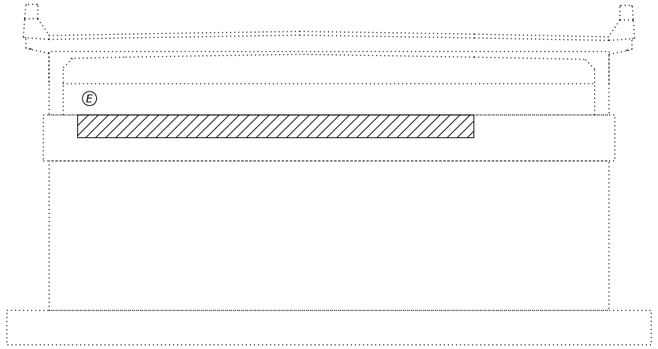
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER REPAIRS (NB)
STRUCTURE NO. 057-0168
SHEET 19 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	52
		CONTRACT NO. 70F93		
	ILLINOIS FED. AID PROJECT			



ELEVATION - SOUTH ABUTMENT
(North Face)

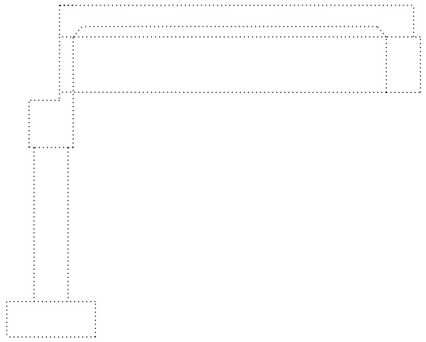


ELEVATION - SOUTH ABUTMENT
(South Face)

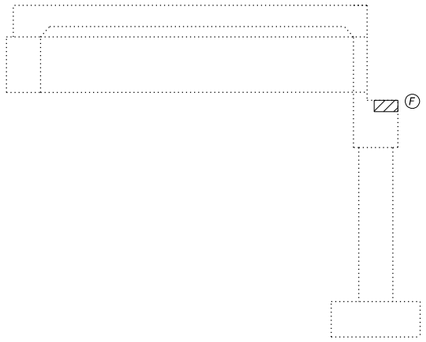
Notes:
Repair areas shown are estimated from soundings on October 30, 2024.
Actual size and locations of completed repairs shall be shown on this sheet and documented in the provide tables under "As Built".
Top of cap beam concrete removal shall be completed prior to jacking and removal of the existing bearings.

LEGEND

	Structural Repair of Concrete (Depth Equal to or Less than 5 inches)
	Structural Repair of Concrete (Depth Greater than 5 inches)



ELEVATION - EDGE BEAM
(West Face)



ELEVATION - EDGE BEAM
(East Face)

STRUCTURAL REPAIR OF CONCRETE TABLE

Label	Size	Plan Qty.		As Built	
		SRC ≤5"	SRC >5"	SRC ≤5"	SRC >5"
		Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.
A	2' x 1'	2			
B	3' x 2'	6			
C	4' x 1'	4			
D	3' x 2'	6			
E	22' x 2'	44			
F	2' x 1'	2			
Totals		64			

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth ≤ 5 in.)	Sq. Ft.	64

MODEL: Default
FILE NAME: S:\23724\2024\23724010.01 (210-023 W01 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-057016?-020-S Abutment Repair (SB).dgn
8/7/2025 2:04:27 PM

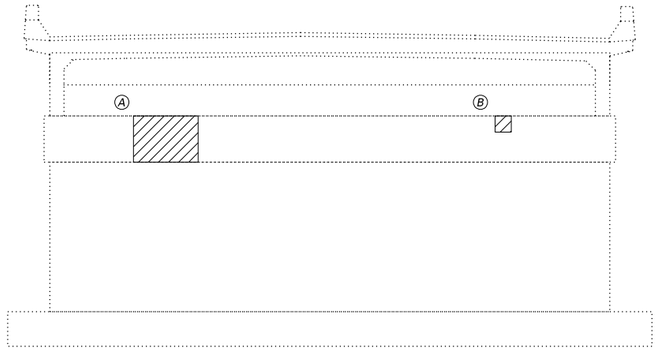
MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME =	baswanson	DESIGNED -	KJA	REVISED -	
		CHECKED -	BAS	REVISED -	
PLOT SCALE =		DRAWN -	KJA	REVISED -	
PLOT DATE =	8/7/2025	CHECKED -	LVM	REVISED -	

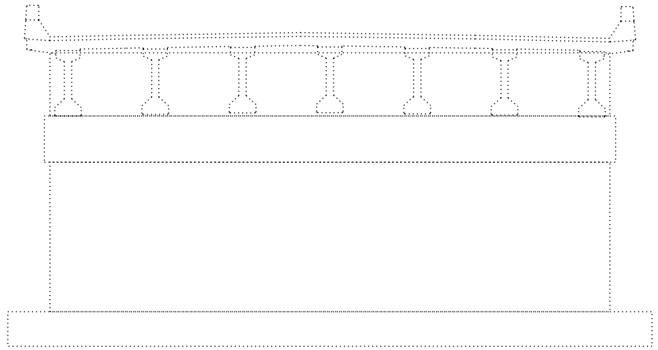
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT REPAIRS (SB)
STRUCTURE NO. 057-0167
SHEET 20 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	53
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		



ELEVATION - NORTH ABUTMENT
(North Face)

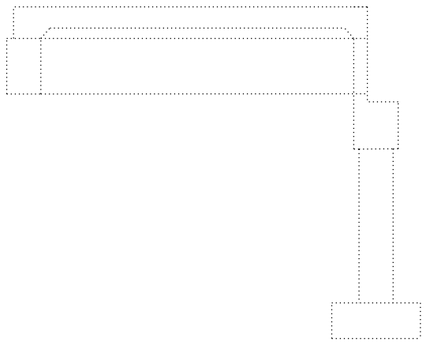


ELEVATION - NORTH ABUTMENT
(South Face)

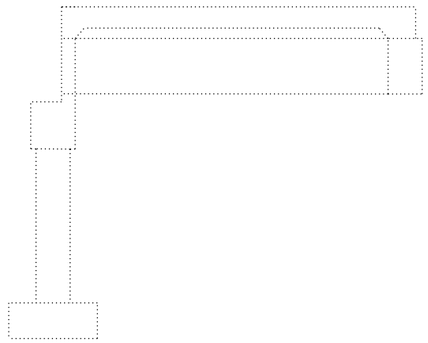
Notes:
Repair areas shown are estimated from soundings on October 30, 2024.
Actual size and locations of completed repairs shall be shown on this sheet and documented in the provide tables under "As Built".

LEGEND

	Structural Repair of Concrete (Depth Equal to or Less than 5 inches)
	Structural Repair of Concrete (Depth Greater than 5 inches)



ELEVATION - EDGE BEAM
(West Face)



ELEVATION - EDGE BEAM
(East Face)

STRUCTURAL REPAIR OF CONCRETE TABLE

Label	Size	Plan Qty.		As Built	
		SRC ≤5"	SRC >5"	SRC ≤5"	SRC >5"
		Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.
A	4' x 3'	12			
B	1' x 1'	1			
Totals		13			

BILL OF MATERIAL

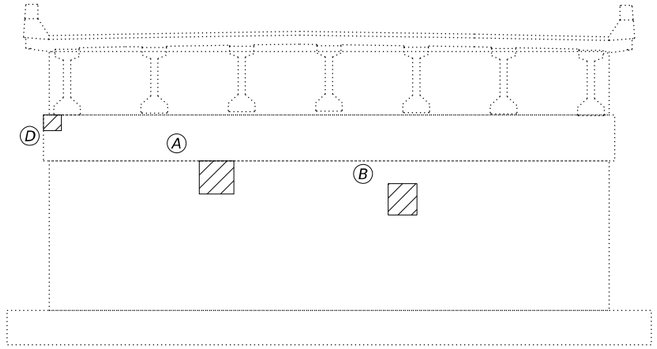
Item	Unit	Quantity
Structural Repair of Concrete (Depth ≤ 5 in.)	Sq. Ft.	13

MODEL: Default
FILE NAME: S:\237\2024\23724010.01 (210-023 WO1 CN70F93 Str Repairs\CADD\CADD Sheets\70f93-0570167-021-N Abutment Repair (SB).dgn
8/7/2025 2:04:28 PM

MAURER-STUTZ ENGINEERS SURVEYORS

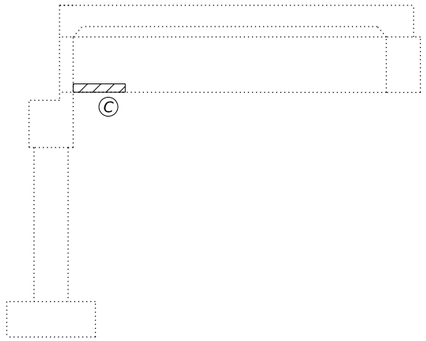
USER NAME = baswanson	DESIGNED - KJA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NORTH ABUTMENT REPAIRS (SB) STRUCTURE NO. 057-0167
	CHECKED - BAS	REVISED -		
PLOT SCALE =	DRAWN - KJA	REVISED -		
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -		SHEET 21 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	54
		CONTRACT NO. 70F93		
	ILLINOIS FED. AID PROJECT			

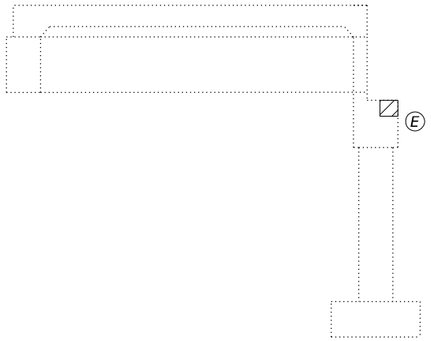


ELEVATION - SOUTH ABUTMENT
(North Face)

ELEVATION - SOUTH ABUTMENT
(South Face)



ELEVATION - EDGE BEAM
(West Face)



ELEVATION - EDGE BEAM
(East Face)

Notes:
Repair areas shown are estimated from soundings on October 30, 2024.
Actual size and locations of completed repairs shall be shown on this sheet and documented in the provide tables under "As Built".

LEGEND

	Structural Repair of Concrete (Depth Equal to or Less than 5 inches)
	Structural Repair of Concrete (Depth Greater than 5 inches)

STRUCTURAL REPAIR OF CONCRETE TABLE

Label	Size	Plan Qty.		As Built	
		SRC ≤5"	SRC >5"	SRC ≤5"	SRC >5"
		Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.
A	3' x 3'	9			
B	2' x 2'	4			
C	3' x 1'	3			
D	1' x 1'	1			
E	1' x 1'	1			
Totals		18			

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth ≤ 5 in.)	Sq. Ft.	18

MODEL: Default
FILE NAME: S:\237\2024\2372401\0.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-0570167-022-S Abutment Repair (NB).dgn
8/7/2025 2:04:28 PM

MAURER-STUTZ ENGINEERS SURVEYORS

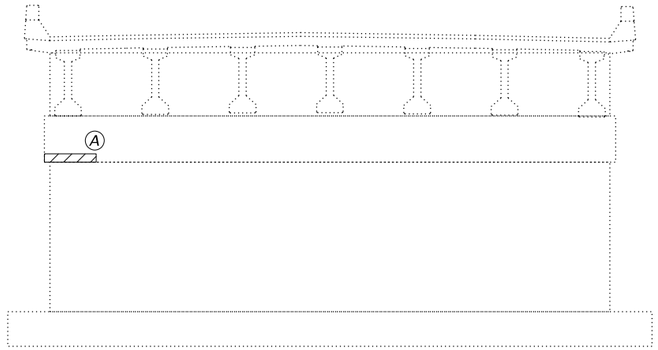
USER NAME = baswanson	DESIGNED - KJA	REVISED -	
	CHECKED - BAS	REVISED -	
PLOT SCALE =	DRAWN - KJA	REVISED -	
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT REPAIRS (NB)
STRUCTURE NO. 057-0168
SHEET 22 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	55
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		

ELEVATION - NORTH ABUTMENT
(North Face)

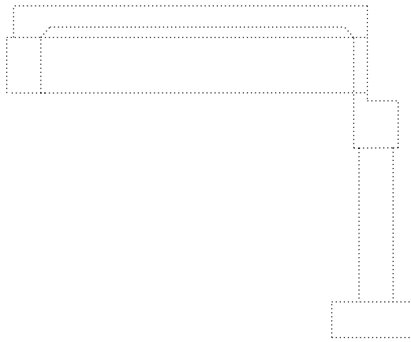


ELEVATION - NORTH ABUTMENT
(South Face)

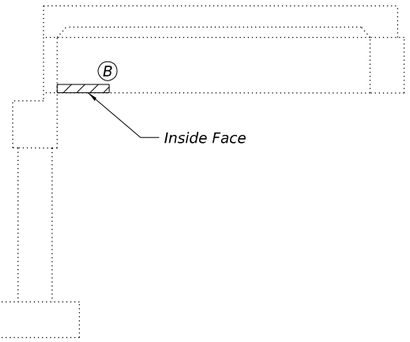
Notes:
Repair areas shown are estimated from soundings on October 30, 2024.
As of the above date, no repairs were noted. Sheet is provided to note any areas of concern that potentially arise between site visit and construction date.
Actual size and locations of completed repairs shall be shown on this sheet and documented in the provide tables under "As Built".

LEGEND

	Structural Repair of Concrete (Depth Equal to or Less than 5 inches)
	Structural Repair of Concrete (Depth Greater Than 5 inches)



ELEVATION - EDGE BEAM
(West Face)



ELEVATION - EDGE BEAM
(East Face)

STRUCTURAL REPAIR OF CONCRETE TABLE

Label	Size	Plan Qty. SRC ≤5" Sq. Ft.	Plan Qty. SRC >5" Sq. Ft.	As Built SRC ≤5" Sq. Ft.	As Built SRC >5" Sq. Ft.
A	3' x 1'	3			
B	3' x 1'	3			
Totals		6			

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth ≤ 5 in.)	Sq. Ft.	6

MODEL: Default
FILE NAME: S:\237\2024\237240010.01 (210-023 WO1 CN70f93 Str Repairs)\CADD\CADD Sheets\70F93-057016?-023-N Abutment Repair (NB).dgn
8/7/2025 2:04:30 PM

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME =	baswanson	DESIGNED -	KJA	REVISED -	
		CHECKED -	BAS	REVISED -	
PLOT SCALE =		DRAWN -	KJA	REVISED -	
PLOT DATE =	8/7/2025	CHECKED -	LVM	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT REPAIRS (NB)
STRUCTURE NO. 057-0168
SHEET 23 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	56
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		

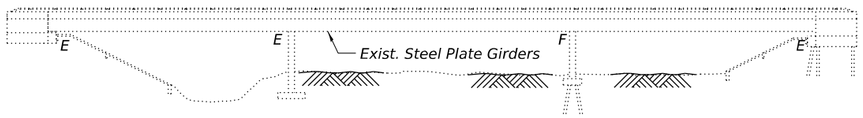
Benchmarks - Chiseled square NE wing of Str. No. 057-0169 (Sta. 609+87.45, Elev. 710.52) and chiseled square SE wing of Str. No. 057-0170 (Sta. 607+09.66, Elev. 711.45).

Existing Structures - Str. No. 057-0169 & 057-0170 were built in 1973 as F.A.I. 55, Section 57-2B-3 at Sta. 608+35.40. A bridge deck overaly was completed on both structures in 2001 with contract 86963. Each structure consists of three continuous spans of six steel plate girders and reinforced concrete deck superstructure on concrete piers and abutment bents. Each bridge measures 256'-4" back to back of abutments and 42'-0" out to out of parapets. One lane of traffic in each direction is to be maintained using staged construction.

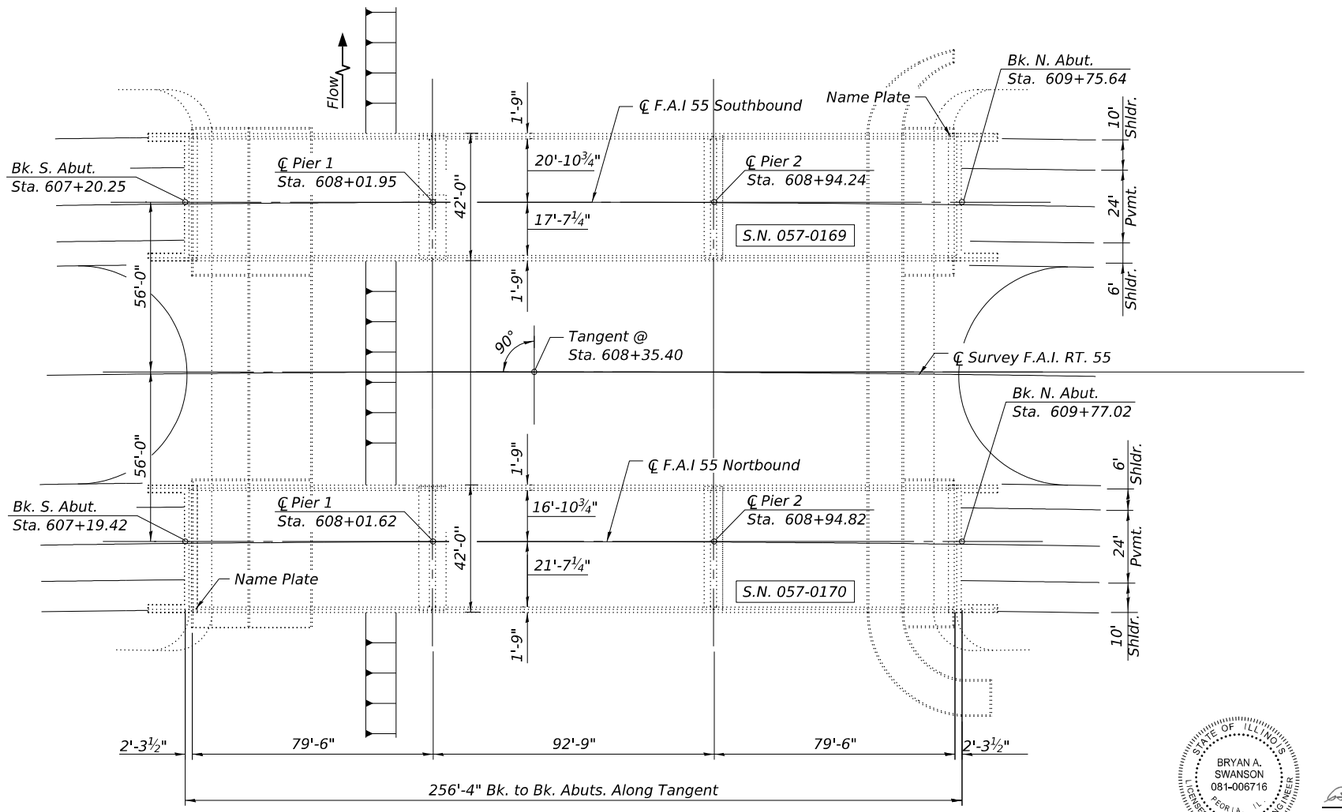
Salvage - None.

PROPOSED SCOPE OF WORK

1. Scarification of existing microsilica concrete overlay and installation of new latex concrete overlay across deck and approaches.
2. Full depth repairs of bridge deck and/or approach slabs.
3. Remove and replace abutment deck joints.
4. Replace existing steel end diaphragms.
5. Remove and replace or eliminate existing deck floor drains.
6. Repair concrete delaminations on abutment walls, piers, and parapets.
7. Repair damaged end of aluminum railing on parapet.



ELEVATION



PLAN

LOADING HS20-44

DESIGN SPECIFICATIONS

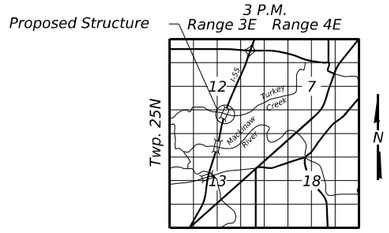
2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition (LFD)

DESIGN STRESSES

FIELD UNITS

New Construction:
f'c = 4,000 psi (deck)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (Str. Steel)

Exist. Structure:
f'c = 3,500 psi
fy = 60,000 psi (deck reinf.)
fy = 40,000 psi (orig. substr. reinf.)
fy = 36,000 (structural steel)
fy = 50,000 (plate girder flanges)



LOCATION SKETCH

STATE OF ILLINOIS
BRYAN A. SWANSON
081-006716
LICENSED STRUCTURAL ENGINEER
PEORIA, IL

Bryan Swanson

Date Signed: 8/07/2025
Exp. Date: 11/30/2026

GENERAL PLAN AND ELEVATION
I-55 OVER TURKEY CREEK
F.A.I. 55- SEC. (57-2B-3,4) BR
MCLEAN COUNTY
STATION 608+35.40
STR. NO. 057-0169 & 057-0170

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = baswanson	DESIGNED - KJA	REVISED -	
	CHECKED - BAS	REVISED -	
PLOT SCALE =	DRAWN - KJA	REVISED -	
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 1 OF 19 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	57
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: S:\237\2024\237240\10.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-057O169-001-GPE.dgn
8/7/2025 2:05:50 PM

GENERAL NOTES

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that can not be removed by grinding ¼ in. deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas, and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction 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 scope of the work; however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Existing Name Plates shall be removed, cleaned and incorporated into the new construction. Cost included with Relocating Name Plates.

Synthetic Fibers shall be included in the bridge deck concrete overlay specified. See Special Provisions.

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 the Contractor's expense.

All new structural steel shall be galvanized. See Special Provision for "Hot Dip Galvanizing for Structural Steel".

Joint openings shall be adjusted according to Article 503.10(c) of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.

Expansion joints shall be fabricated to conform to the existing cross slopes of the bridge.

Protective coat shall be applied to all new concrete superstructure, PCC pavement connectors, and all new concrete overlays as specified in Article 503.19 of the Standard Specifications

TOTAL BILL OF MATERIAL

ITEM	UNIT	-0169	-0170	TOTAL
Concrete Removal	Cu. Yd.	16.9	16.9	33.8
Floor Drains	Each	17	17	34
Concrete Superstructure	Cu. Yd.	16.9	16.9	33.8
Protective Coat	Sq. Yd.	1535	1532	3067
Furnishing and Erecting Structural Steel	Pound	3080	3080	6160
Reinforcement Bars, Epoxy Coated	Pound	2440	2440	4880
Bar Splicers	Each	32	32	64
Preformed Joint Strip Seal	Foot	83	83	166
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	841	841	1682
Structural Steel Removal	Pound	3010	3010	6020
Repair Bridge Rail	Foot		9	9
Approach Slab Repair (Full Depth)	Sq. Yd.	3	3	6
Hot-Mix Asphalt Surface Removal (Deck)	Sq. Yd.		133	133
Bridge Deck Latex Concrete Overlay, 2 1/2 Inches	Sq. Yd.	267	267	534
Bridge Deck Latex Concrete Overlay 3 3/4 Inches	Sq. Yd.	1050	1050	2100
Bridge Deck Scarification 3/4"	Sq. Yd.		133	133
Bridge Deck Scarification 2 1/4"	Sq. Yd.		133	133
Bridge Deck Scarification 3 1/2"	Sq. Yd.		1050	1050
Bridge Deck Scarification 4"	Sq. Yd.	1050		1050
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	120	224	344
Structural Repair of Concrete (Depth Greater Than 5 Inches)	Sq. Ft.	12	8	20
Concrete Pavement Scarification	Sq. Yd.	267		267
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	9	9	18
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	117		117
Diamond Grinding (Bridge Section)	Sq. Yd.	1301	1288	2589
Relocating Name Plates	Each	1	1	2

INDEX OF SHEETS

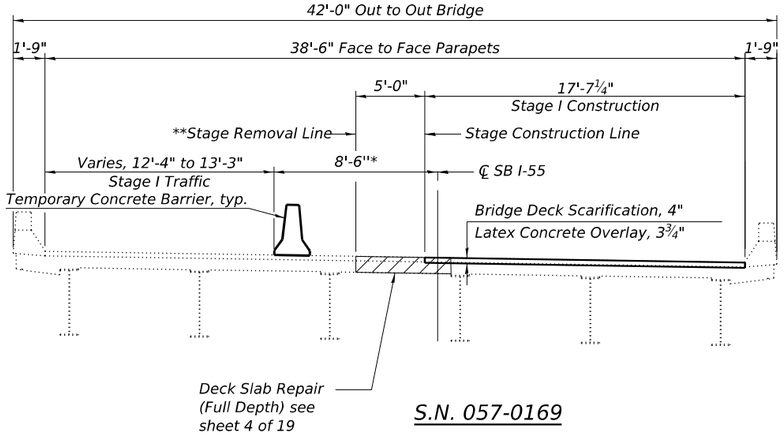
MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = baswanson	DESIGNED - KJA	REVISED -	
	CHECKED - BAS	REVISED -	
PLOT SCALE =	DRAWN - KJA	REVISED -	
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -	

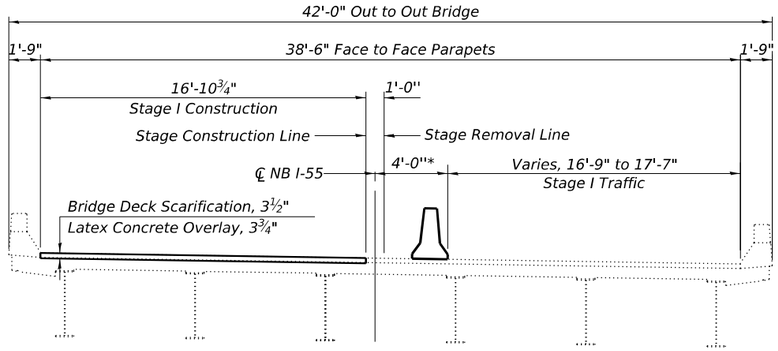
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 057-0169 & 057-0170
SHEET 2 OF 19 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	58
		CONTRACT NO. 70F93		
	ILLINOIS FED. AID PROJECT			

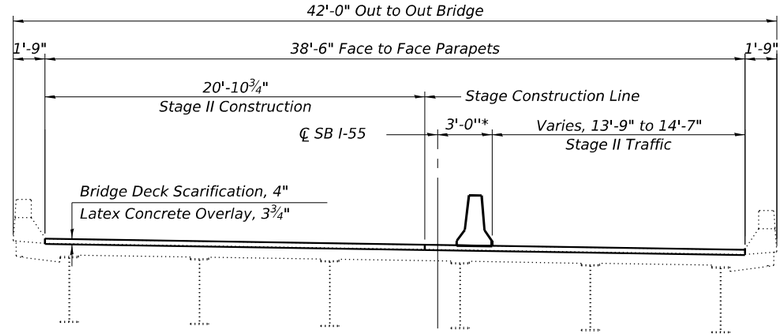


S.N. 057-0169

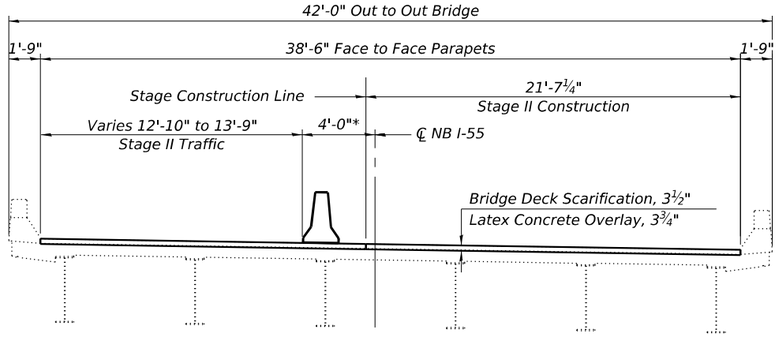


S.N. 057-0170

STAGE I CONSTRUCTION
(Looking North)



S.N. 057-0169



S.N. 057-0170

STAGE II CONSTRUCTION
(Looking North)

* Dimension is perpendicular to the ℄ of the roadway.

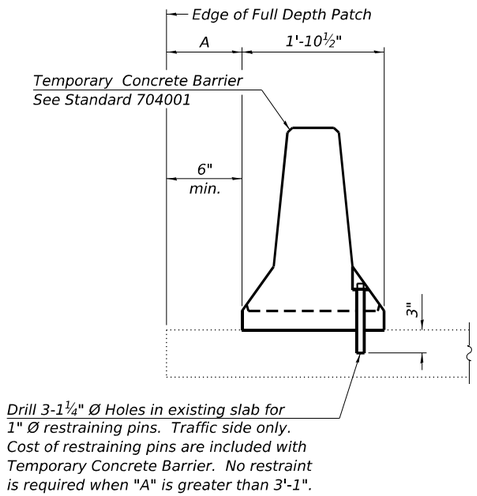
** Stage Removal Line may shift to within 6" away from the face of the temporary concrete barrier to accomodate needed limits of full depth patch.

Notes:

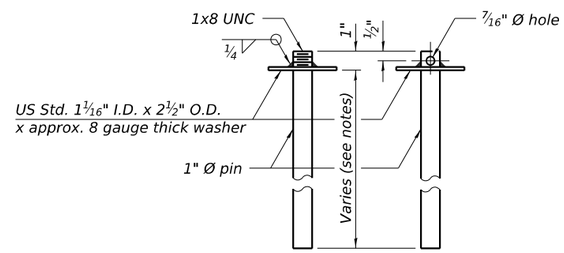
I-55 alignment is within a horizontal curve across these structures. The temporary concrete barrier shall be placed along the curved alignment, but the stage construction and removal lines will run parallel to the local tangent and bridge parapets.

See roadway sheets for additional Temporary Concrete Barrier details and location.

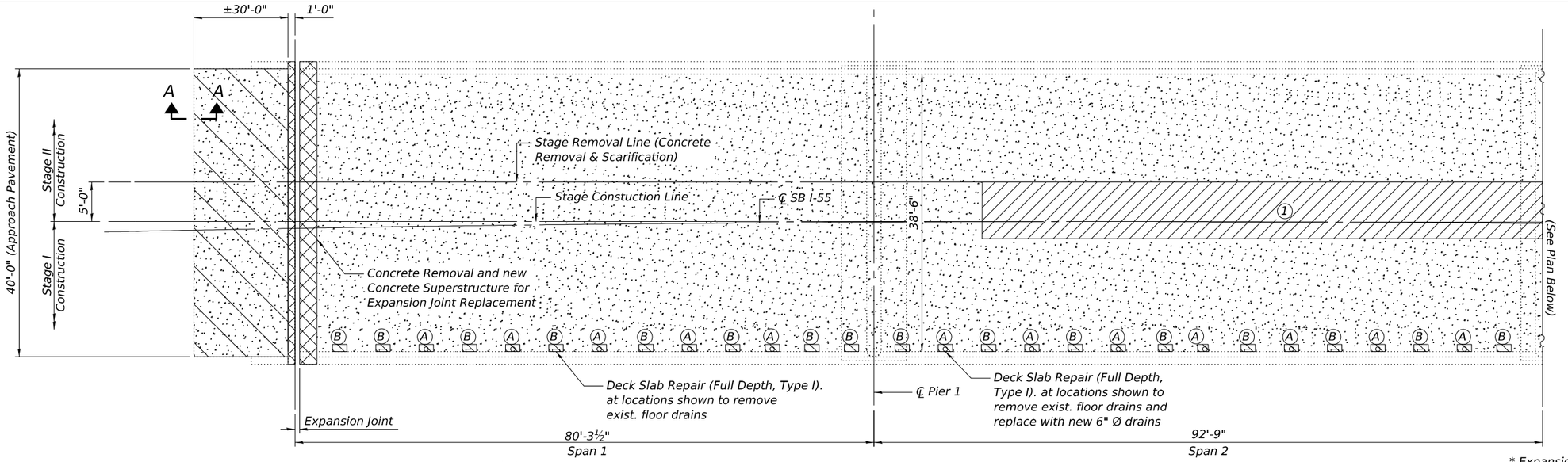
For S.N. 057-0169 the temporary concrete barrier shall be restrained to the deck slab with 1" ∅ restraining pins at locations of full depth deck patching. This should only be required during Stage I.



SECTION THRU TEMPORARY CONCRETE BARRIER (PINNED)



RESTRAINING PIN



* Scarification depth across Approach Pavements shall vary from 2¾" at the abutment to 2¼" at the end of approach.

** Prior to Diamond Grinding

PLAN - DECK SLAB REPAIRS - S.N. 057-0169
(South End)

LEGEND

	Deck Slab Repair (Full Depth)
	Concrete Removal and Concrete Superstructure
	Bridge Deck Scarification, 4" and Bridge Deck Latex Concrete Overlay, 3¾"
	* Concrete Pavement Scarification (2¼" to 2¾") and Bridge Deck Latex Concrete Overlay, 2½"

Notes:

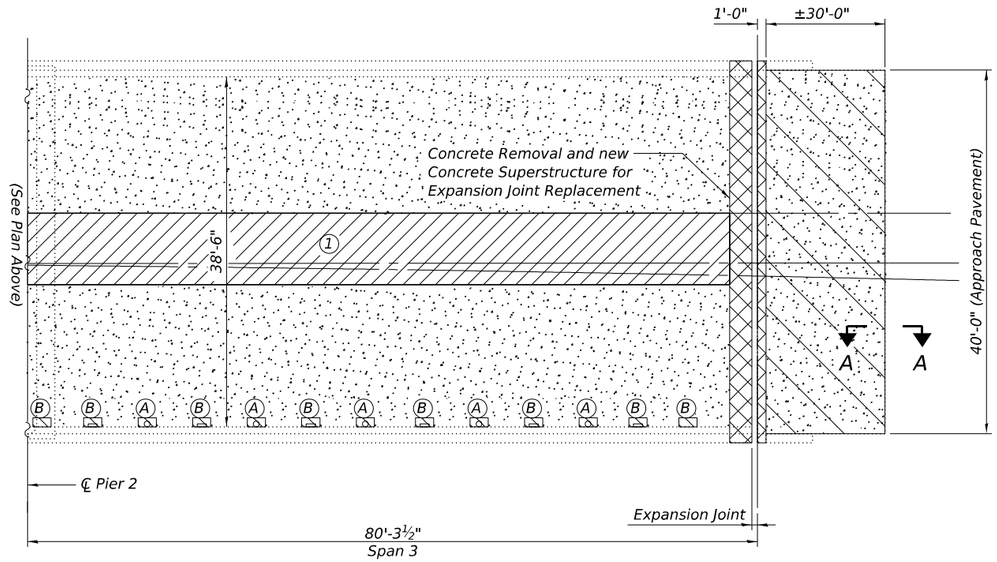
The Contractor is advised that pavement fabric exists in the passing lanes of the existing microsilica concrete overlay. The approximate depth of the pavement fabric is 1½". A suggested sequence of operations for Stage I removal is: mechanical scarification 1¼"; remove existing pavement fabric; mechanical scarification 2¼"; and hydro-scarification ½" minimum to meet the full 4" depth of Bridge Deck Scarification and satisfy the requirements of the special provision for Concrete Overlay. Cost of multiple mechanical scarification passes and removal of pavement fabric is included with Bridge Deck Scarification 4".

Full Depth Deck Slab Repair is estimated based on September 2023 field review.

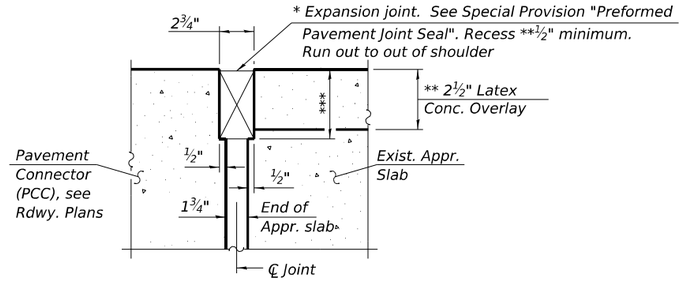
Bridge Deck Scarification shall extend across the surface of any completed full depth deck slab repair to ensure equivalent surface texture prior to placement of overlay.

See sheet 5 of 19 for typical bridge cross section.

See sheet 6 of 19 for abutment joint replacement details.



PLAN - DECK SLAB REPAIRS - S.N. 057-0169
(North End)



SECTION A-A

* Cost included with Pavement Connector (PCC) for Bridge Approach Slab

*** Per manufacturer recommendations

DECK SLAB REPAIR TABLE

Label	Size	Notes	Plan Qty. Deck Slab Repair (FD Type I) Sq. Ft.	Plan Qty. Deck Slab Repair (FD Type II) Sq. Ft.	Plan Qty. Appr. Slab Repair (Full Depth) Sq. Ft.	As Built Deck Slab Repair (FD Type I) Sq. Ft.	As Built Deck Slab Repair (FD Type II) Sq. Ft.	As Built Appr. Slab Repair (Full Depth) Sq. Ft.
A	1' x 2' x 17 Loc.	See Note 1	34					
B	1' x 2' x 24 Loc.	See Note 2	48					
1	7' x 150'	See Note 3		1050				
	Contingency Area	See Note 4			24			
		Totals	82	1050	24			

Table Notes:

Note 1 - Remove and replace existing 4"x12" aluminum drain with 6" diameter floor drains. See Sheet 5 of 19 for drain details. Cost of removal of existing drains included with Deck Slab Repair (Full Depth, Type I).

Note 2 - Remove existing 4"x12" aluminum drain. Cost included with Deck Slab Repair (Full Depth, Type I)

Note 3 - Longitudinal removal for full depth deck slab repair shall be done in alternating sections of no more than 10 feet. Adjacent sections must not be removed until both of the following requirements are met: 1) at least 72 hours shall have elapsed from the end of the previous pour, and 2) the concrete shall have attained a minimum modulus of rupture of 650 psi or a minimum compressive strength of 3500 psi.

Note 4 - A contingency value of 1% of the approach pavement area is provided for potential Approach Slab Repair (Full Depth). Pavement surface shall be evaluated following completion of the Concrete Pavement Scarification.

DECK SLAB REPAIR (S.N. 057-0169) BILL OF MATERIAL

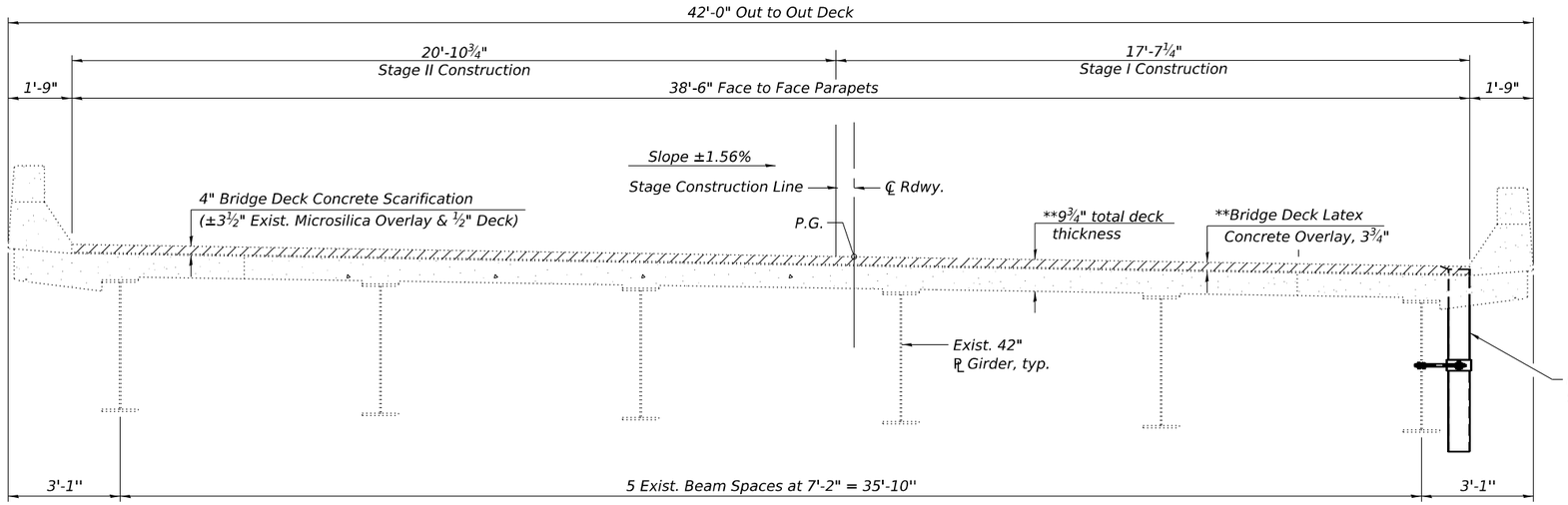
Item	Unit	Total
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	9
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	117
Approach Slab Repair (Full Depth)	Sq. Yd.	3
Concrete Pavement Scarification	Sq. Yd.	267
Bridge Deck Scarification 4"	Sq. Yd.	1050
Bridge Deck Latex Concrete Overlay, 2 1/2 Inches	Sq. Yd.	267
Bridge Deck Latex Concrete Overlay, 3 3/4 Inches	Sq. Yd.	1050
Floor Drains	Each	17

MODEL: Default
FILE NAME: S:\237\2024\23724010.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-0570169-004-Deck Repair (SB).dgn
8/7/2025 2:05:55 PM

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = baswanson	DESIGNED - KJA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK SLAB REPAIR PLAN (SB) STRUCTURE NO. 057-0169
	CHECKED - BAS	REVISED -		
PLOT SCALE =	DRAWN - KJA	REVISED -		SHEET 4 OF 19 SHEETS
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	60
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		

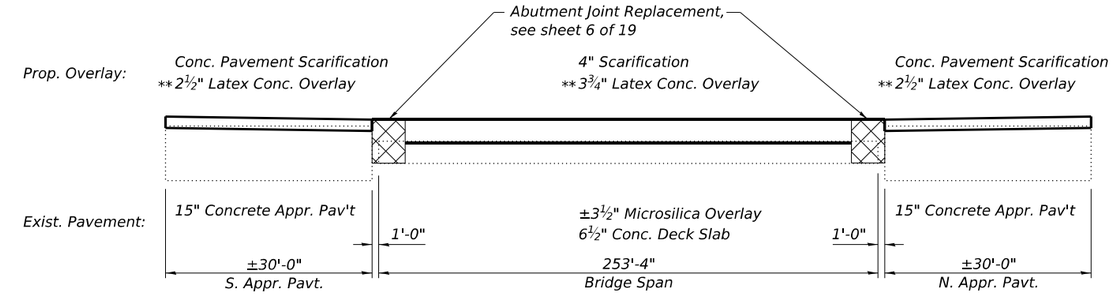


CROSS SECTION - S.N. 057-0169

(Looking North)

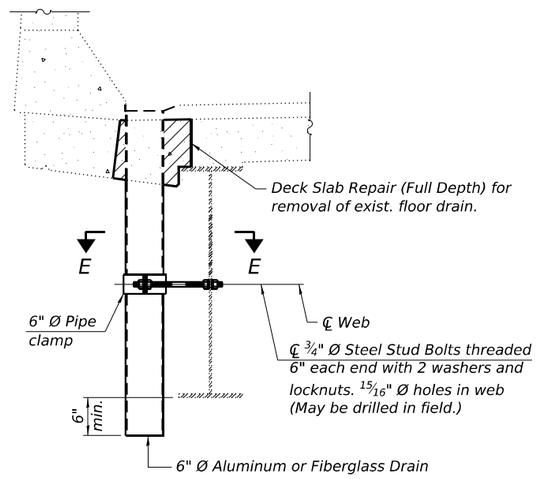
**Prior to Diamond Grinding

Notes:
Actual bridge cross slopes shall be measured and documented in the field prior to scarification.
See sheet 4 of 19 for Bill of Material for bridge deck overlay.
See sheet 7 of 19 for parapet elevations and replacement details at the expansion joints.



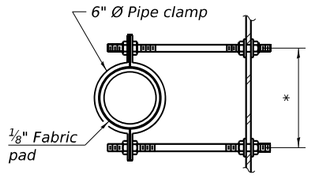
OVERLAY PROFILE SCHEMATIC

Note:
Variable scarification depth across approach pavements shall result in the proposed bridge deck surface elevation being ½" lower than existing deck surface.



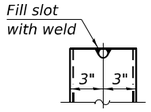
SECTION THRU PARAPET

Notes:
Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
The top portion of aluminum floor drains shall be coated to minimize reaction with wet concrete.
The clamping device shall be galvanized according to AASHTO M 232. Cost of clamping device included with Floor Drains.
Bend longitudinal deck reinforcement as needed to fit drain thru deck.

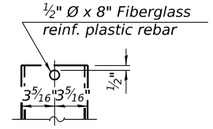


SECTION E-E

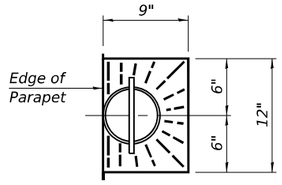
*Dimension as required by pipe clamp



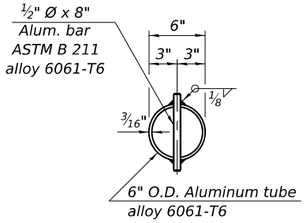
ALUMINUM TUBE



FIBERGLASS PIPE



TOP PLAN



TOP PLAN

(Showing aluminum tube)

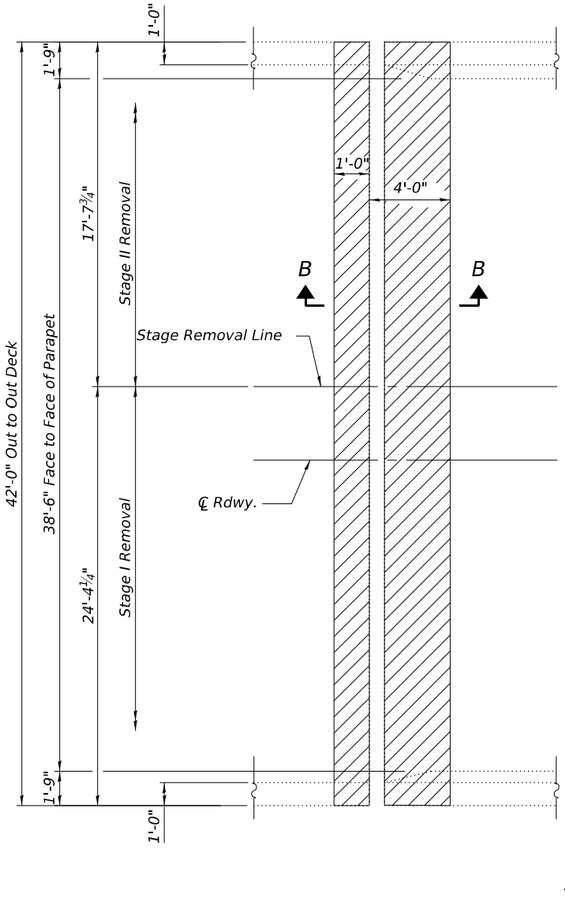
MODEL: Default
FILE NAME: S:\237\2024\237240101 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-057O169-005-Super Section (SB).dgn

8/7/2025 2:05:57 PM

MAURER-STUTZ ENGINEERS SURVEYORS

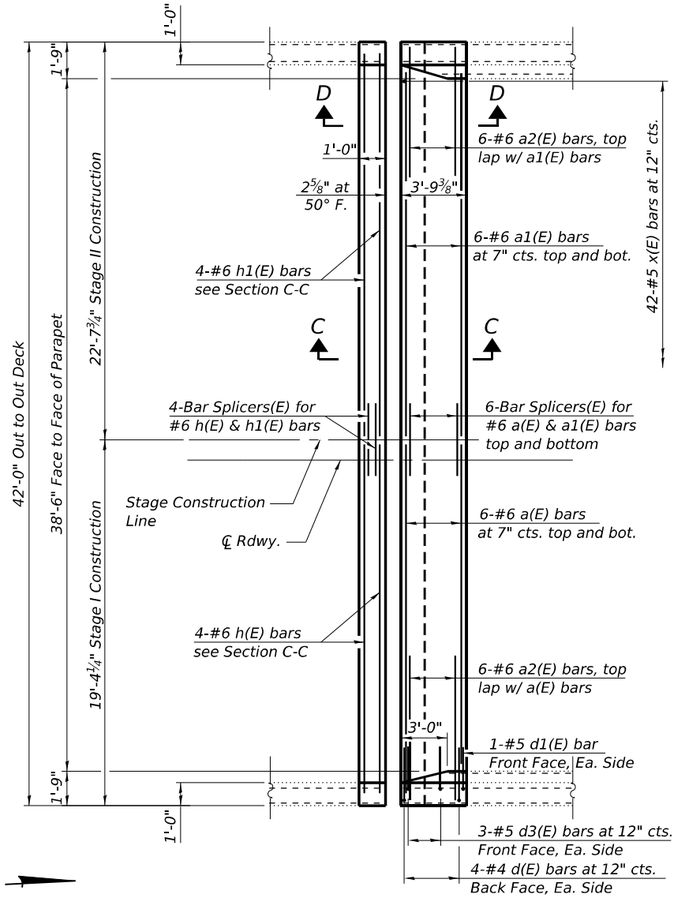
USER NAME = baswanson	DESIGNED - KJA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE (SB) STRUCTURE NO. 057-0169
	CHECKED - BAS	REVISED -		
PLOT SCALE =	DRAWN - KJA	REVISED -		
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -		SHEET 5 OF 19 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	61
		CONTRACT NO. 70F93		
		ILLINOIS	FED. AID PROJECT	



CONCRETE REMOVAL AT ABUTMENT - S.N. 057-0169

(South End Shown, North End Opposite)



CONCRETE REPLACEMENT AT ABUTMENT - S.N. 057-0169

(South End Shown, North End Opposite)

Notes:

Hatched areas indicate Concrete Removal.

For parapet dimensions and details and View D-D, see sheet 7 of 19.

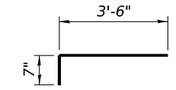
Deck Joint dimensions are based on a Rolled Rail Strip Seal Joint. If the Contractor elects to use the Welded Rail Strip Seal Joint, deck dimensions may require adjustments to satisfy the details on sheet 12 of 19.

For details of Bar Splicers, see sheet 13 of 19.

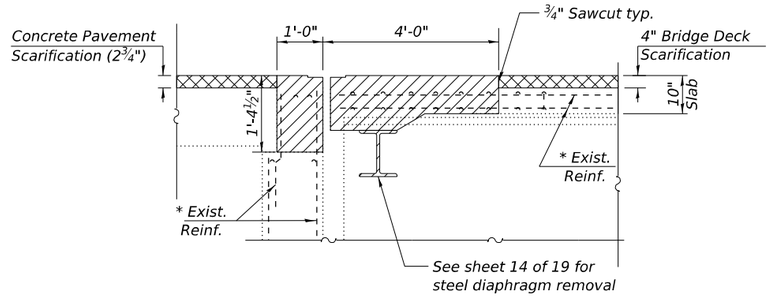
SUPERSTRUCTURE (STR. NO. 057-0169)

BILL OF MATERIAL

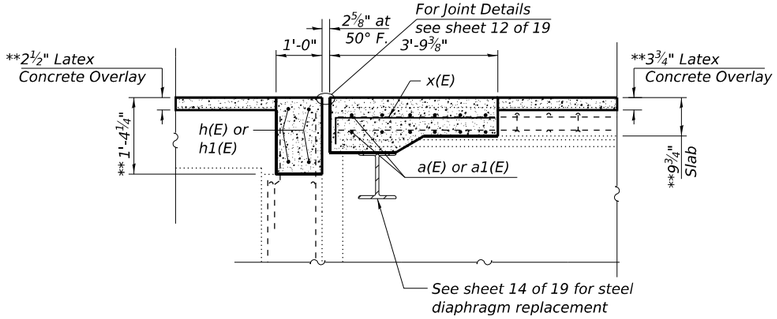
Bar	No.	Size	Length	Shape
a(E)	24	#6	18'-2"	———
a1(E)	24	#6	21'-6"	———
a2(E)	24	#6	6'-0"	———
d(E)	16	#4	4'-9"	⌋
d1(E)	4	#5	3'-7"	⌋
d2(E)	8	#4	2'-1"	⊓
d3(E)	12	#5	3'-7"	⌋
h(E)	8	#6	19'-0"	———
h1(E)	8	#6	22'-4"	———
x(E)	42	#5	4'-1"	⌐
Concrete Removal			Cu. Yd.	16.9
Concrete Superstructure			Cu. Yd.	16.9
Reinforcement Bars, Epoxy Coated			Pound	2440



BAR x(E)



SECTION B-B



SECTION C-C

** Existing reinforcement bars or other steel extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any elements that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.*

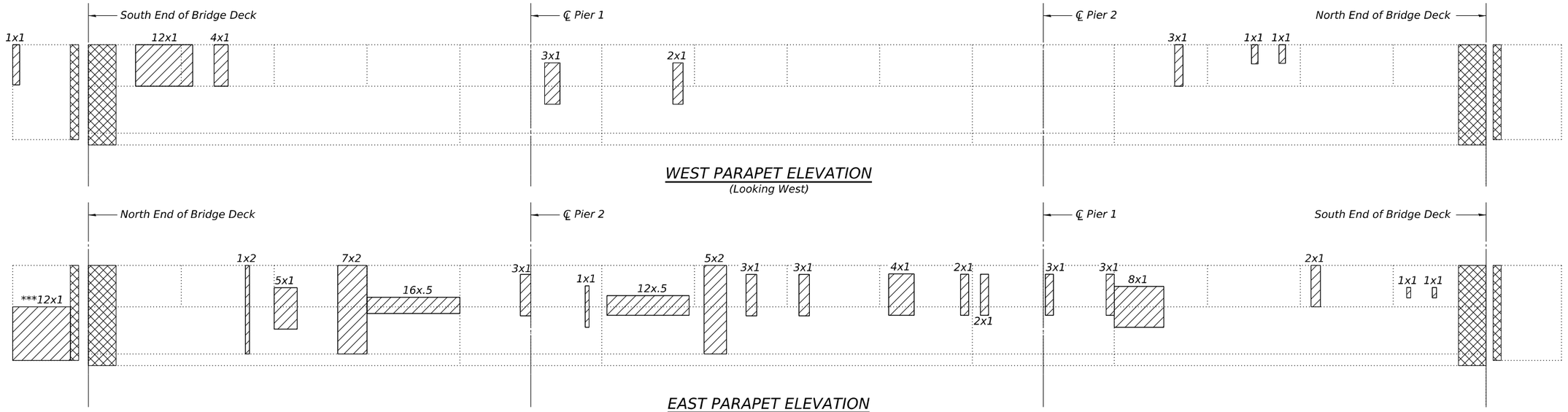
*** Prior to ¼" Diamond Grinding*

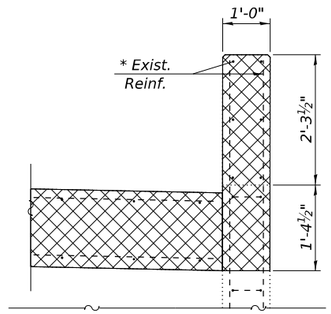
MODEL: Default
FILE NAME: S:\23\2024\23724010.01 (210-023 W01 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-0570169-006-Joint Removal and Const. (SB).dgn
8/7/2025 2:05:58 PM

MAURER-STUTZ ENGINEERS SURVEYORS

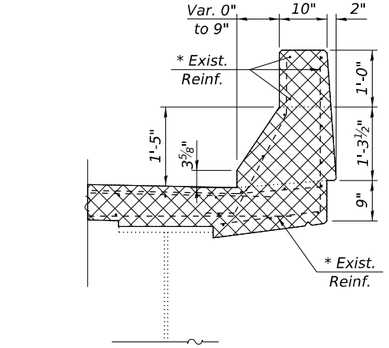
USER NAME = baswanson	DESIGNED - KJA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	JOINT REPLACEMENT DETAILS (SB) STRUCTURE NO. 057-0169
	CHECKED - BAS	REVISED -		
PLOT SCALE =	DRAWN - KJA	REVISED -		SHEET 6 OF 19 SHEETS
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	62
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		

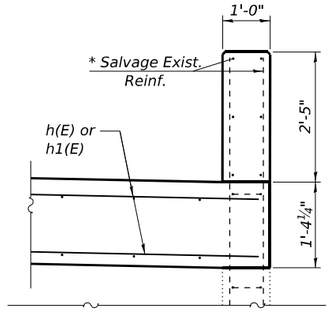




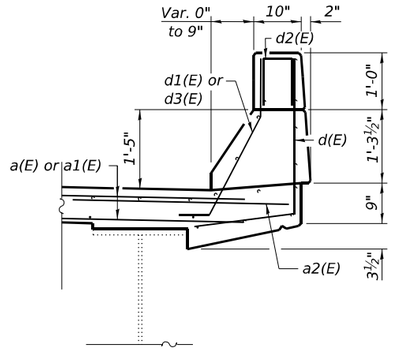
SECTION APPROACH PARAPET



SECTION THRU BRIDGE DECK PARAPET



SECTION APPROACH PARAPET
(Match Existing Section)



SECTION THRU BRIDGE DECK PARAPET
(Match Existing Section)

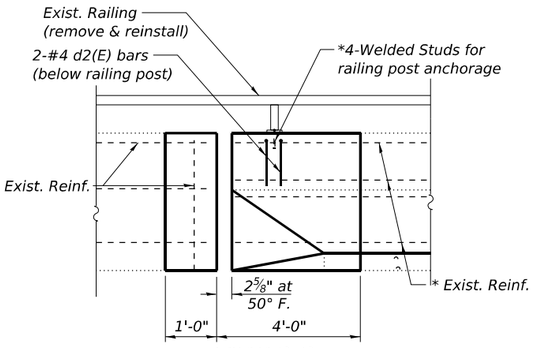
LEGEND

	Structural Repair of Concrete (Depth ≤ 5") (Parapets Only)
	Concrete Removal and Concrete Superstructure

* Existing reinforcement bars or other steel extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any elements that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

** Prior to ¼" Diamond Grinding

*** Depth of concrete repair likely to exceed 5 inches.

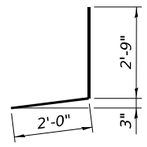


VIEW D-D

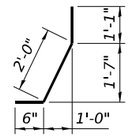
Notes:
See sheet 6 of 19 for Bill of Material for parapet removal and replacement at the abutment joint.
At any drain hole locations exposed at the face of parapet by the scarification, remove ±2" depth of concrete around the hole, clean and fill the hole with polyurethane sealant, and fill the removed concrete with fresh concrete prior to placement of the latex concrete overlay. Cost included with Bridge Deck Scarification.
Existing guardrail or railing shall be temporarily removed and re-erected where needed to allow for replacement or repair of the parapet ends. Any railing damaged during construction shall be replaced at the Contractor's expense. Cost included with Structural Repair of Concrete.

PARAPET REPAIR (S.N. 057-0169)
BILL OF MATERIAL

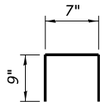
Item	Unit	Total
Structural Repair of Concrete (Depth Less Than or Equal to 5")	Sq. Ft.	108
Structural Repair of Concrete (Depth Greater Than 5")	Sq. Ft.	12



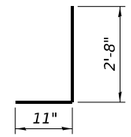
BAR d(E)



BAR d1(E)



BAR d2(E)



BAR d3(E)

MODEL: Default
FILE NAME: S:\237\2024\2372410.01 (210-023 W01 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-057-0169-007-Super Structure Details (SB).dgn
8/7/2025 2:05:59 PM

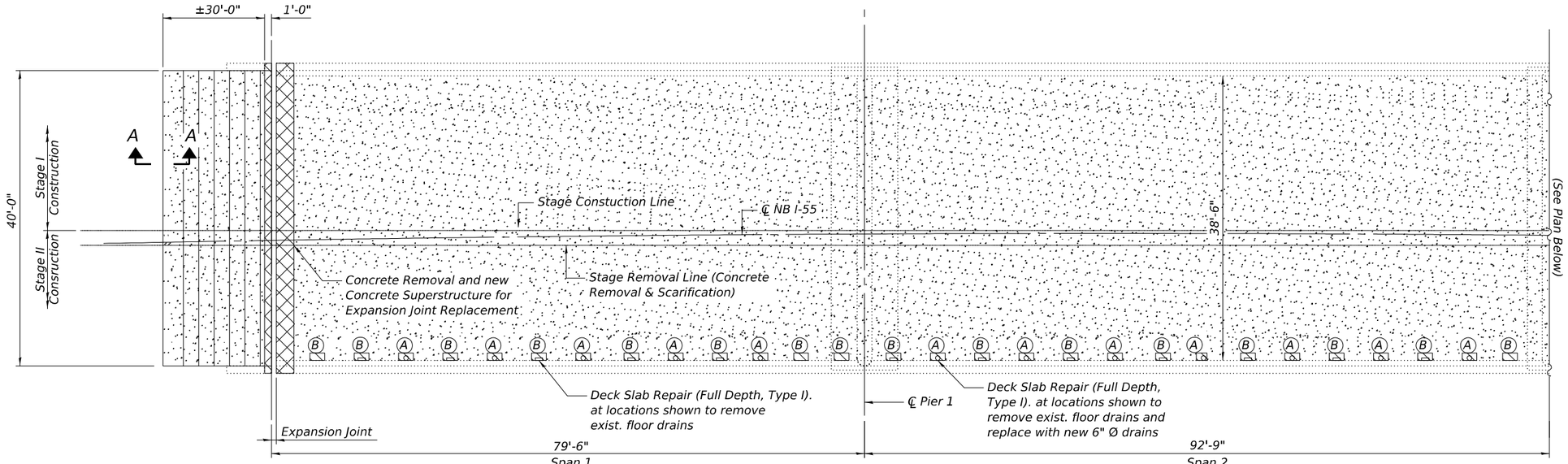
MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = baswanson		DESIGNED - KJA		REVISED -	
		CHECKED - BAS		REVISED -	
PLOT SCALE =		DRAWN - KJA		REVISED -	
PLOT DATE = 8/7/2025		CHECKED - LVM		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET REPAIR DETAILS (SB)
STRUCTURE NO. 057-0169
SHEET 7 OF 19 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	63
		CONTRACT NO. 70F93		
		ILLINOIS	FED. AID PROJECT	



** Prior to ¼" Diamond Grinding

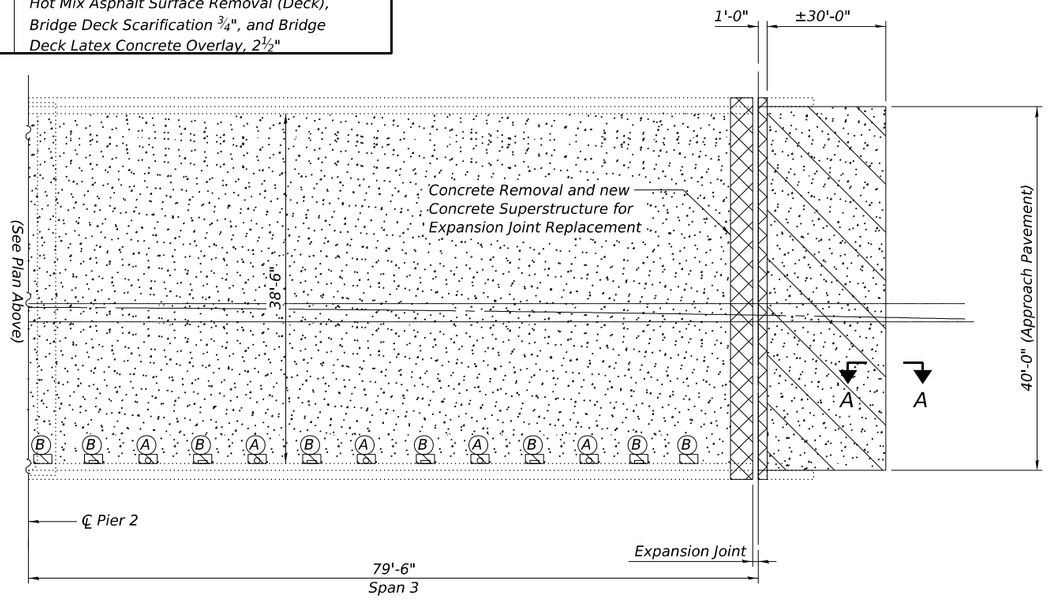
LEGEND

	Deck Slab Repair (Full Depth)
	Concrete Removal and Concrete Superstructure
	Bridge Deck Scarification, 3½" and Bridge Deck Latex Concrete Overlay, 3¾"
	Bridge Deck Scarification, 2¼" and Bridge Deck Latex Concrete Overlay, 2½"
	Hot Mix Asphalt Surface Removal (Deck), Bridge Deck Scarification ¾", and Bridge Deck Latex Concrete Overlay, 2½"

PLAN - DECK SLAB REPAIRS - S.N. 057-0170

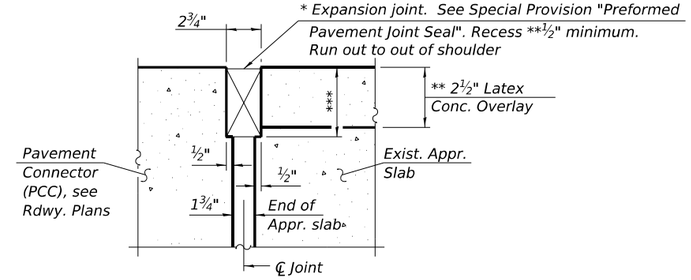
(South End)

Notes:
See sheet 9 of 19 for typical bridge cross section and Section A-A.
See sheet 10 of 19 for abutment joint replacement details.
See special provision for Deck Slab Repair for requirements pertaining to HMA Surface Removal (Deck).



PLAN - DECK SLAB REPAIRS - S.N. 057-0170

(North End)



SECTION A-A

* Cost included with Pavement Connector (PCC) for Bridge Approach Slab

*** Per manufacturer recommendations

DECK SLAB REPAIR TABLE

Label	Size	Notes	Plan Qty. Deck Slab Repair (FD Type I) Sq. Ft.	Plan Qty. Deck Slab Repair (FD Type II) Sq. Ft.	Plan Qty. Appr. Slab Repair (Full Depth) Sq. Ft.	As Built Deck Slab Repair (FD Type I) Sq. Ft.	As Built Deck Slab Repair (FD Type II) Sq. Ft.	As Built Appr. Slab Repair (Full Depth) Sq. Ft.
A	1' x 2' x 17 Loc.	See Note 1	34					
B	1' x 2' x 24 Loc.	See Note 2	48					
	Contingency Area	See Note 4			24			
		Totals	82		24			

Table Notes:
Note 1 - Remove and replace existing 4"x12" aluminum drain with 6" diameter floor drains. See Sheet 9 of 19 for drain details. Cost of removal of existing drains included with Deck Slab Repair (Full Depth, Type I).
Note 2 - Remove existing 4"x12" aluminum drain. Cost included with Deck Slab Repair (Full Depth, Type I)
Note 4 - A contingency value of 1% of the approach pavement area is provided for potential Approach Slab Repair (Full Depth). Pavement surface shall be evaluated following completion of the Bridge Deck Scarification.

DECK SLAB REPAIR (S.N. 057-0170) BILL OF MATERIAL

Item	Unit	Total
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	9
Approach Slab Repair (Full Depth)	Sq. Yd.	3
Bridge Deck Scarification 3/4"	Sq. Yd.	133
Bridge Deck Scarification 2 1/4"	Sq. Yd.	133
Bridge Deck Scarification 3 1/2"	Sq. Yd.	1050
Hot Mix Asphalt Surface Removal (Deck)	Sq. Yd.	133
Bridge Deck Latex Concrete Overlay, 2 1/2 Inches	Sq. Yd.	267
Bridge Deck Latex Concrete Overlay, 3 3/4 Inches	Sq. Yd.	1050
Floor Drains	Each	17

MODEL: Default
FILE NAME: S:\23724\2024\23724010.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-0570169-008-Deck Repair (NB).dgn
8/7/2025 2:06:02 PM

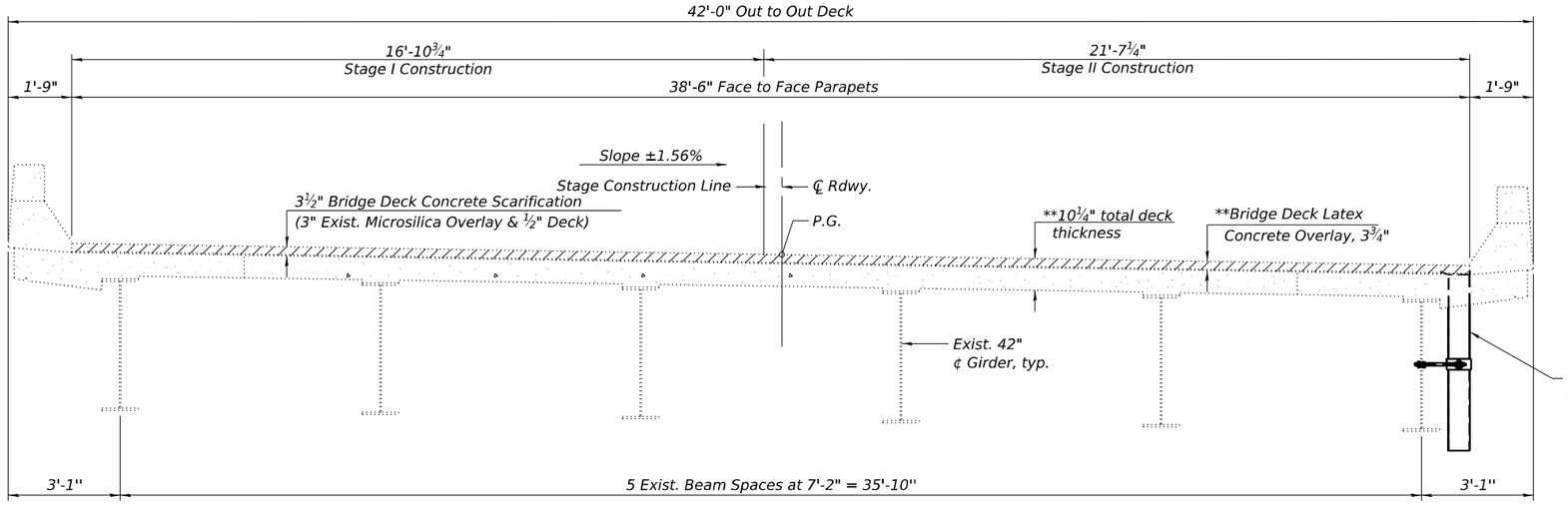
MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = baswanson	DESIGNED - KJA	REVISED -	
	CHECKED - BAS	REVISED -	
PLOT SCALE =	DRAWN - KJA	REVISED -	
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK SLAB REPAIR PLAN (NB)
STRUCTURE NO. 057-0170
SHEET 8 OF 19 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	64
		CONTRACT NO. 70F93		
		ILLINOIS FED. AID PROJECT		

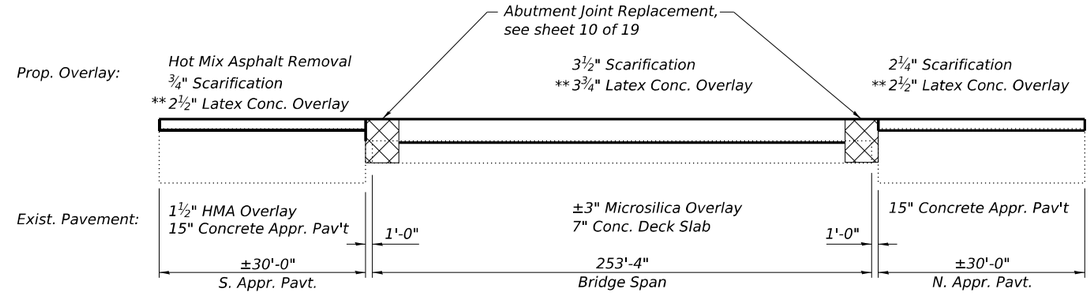


CROSS SECTION - S.N. 057-0170

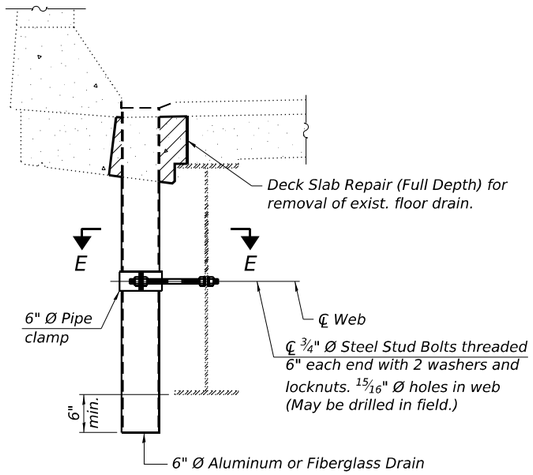
(Looking North)

**Prior to Diamond Grinding

Notes:
Actual bridge cross slopes shall be measured and documented in the field prior to scarification.
See sheet 8 of 19 for Bill of Material for bridge deck overlay.
See sheet 11 of 19 for parapet elevations and replacement details at the expansion joints.

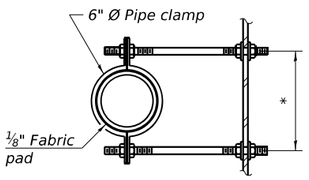


OVERLAY PROFILE SCHEMATIC



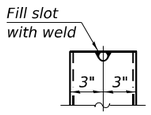
SECTION THRU PARAPET

Notes:
Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
The top portion of aluminum floor drains shall be coated to minimize reaction with wet concrete.
The clamping device shall be galvanized according to AASHTO M 232. Cost of clamping device included with Floor Drains.
Bend longitudinal deck reinforcement as needed to fit drain thru deck.

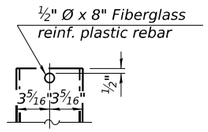


SECTION E-E

*Dimension as required by pipe clamp

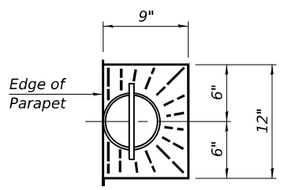


ALUMINUM TUBE

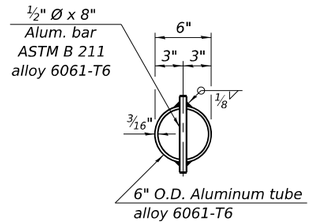


FIBERGLASS PIPE

(Looking East)



TOP PLAN



TOP PLAN

(Showing aluminum tube)

MODEL: Default
FILE NAME: S:\237\2024\23724010.01 (210-023 WO1 CN70F93 Str Repairs\CADD\CADD Sheets\70f93-0570169-009-Super Section (NB).dgn

8/7/2025 2:06:03 PM

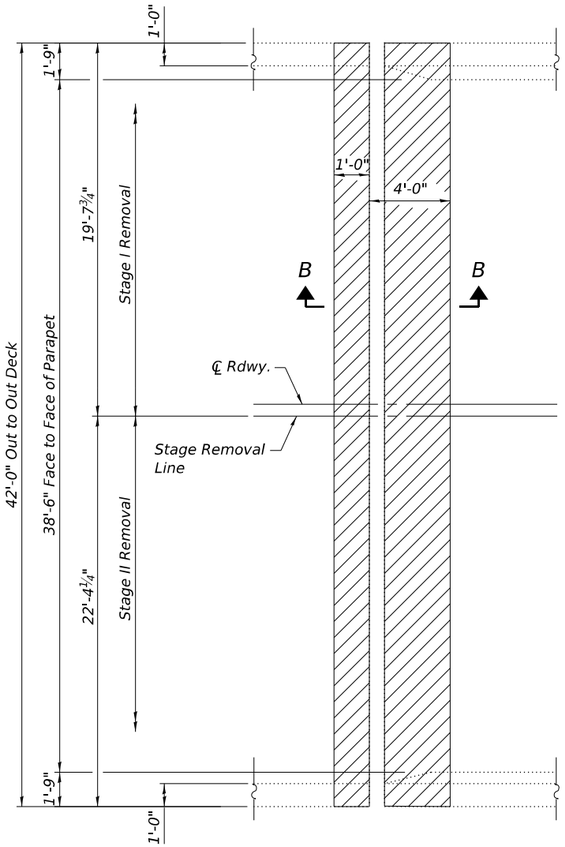
MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = baswanson	DESIGNED - KJA	REVISED -		
	CHECKED - BAS	REVISED -		
PLOT SCALE =	DRAWN - KJA	REVISED -		
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

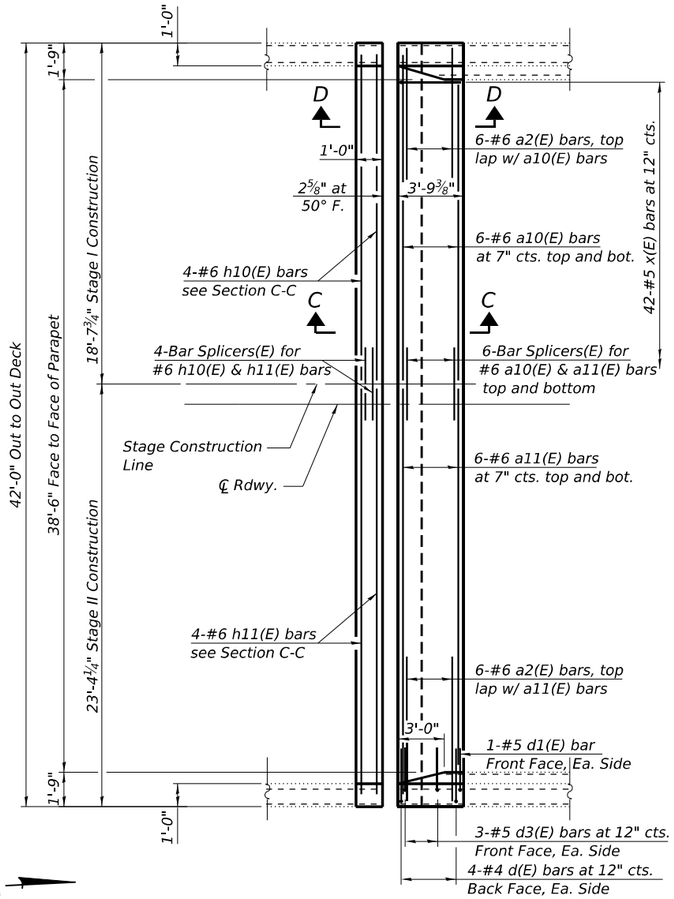
SUPERSTRUCTURE (NB)
STRUCTURE NO. 057-0170
SHEET 9 OF 19 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	65
		CONTRACT NO. 70F93		
	ILLINOIS FED. AID PROJECT			



CONCRETE REMOVAL AT ABUTMENT - S.N. 057-0170

(South End Shown, North End Opposite)



CONCRETE REPLACEMENT AT ABUTMENT - S.N. 057-0170

(South End Shown, North End Opposite)

** Existing reinforcement bars or other steel extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any elements that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.*

*** Prior to ¼" Diamond Grinding*

SUPERSTRUCTURE (STR. NO. 057-0170)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	24	#6	17'-6"	———
a11(E)	24	#6	22'-2"	———
a2(E)	24	#6	6'-0"	———
d(E)	16	#4	4'-9"	⌋
d1(E)	4	#5	3'-7"	⌋
d2(E)	8	#4	2'-1"	⊓
d3(E)	12	#5	3'-7"	⌋
h10(E)	8	#6	18'-4"	———
h11(E)	8	#6	23'-0"	———
x(E)	42	#5	4'-1"	⌐
Concrete Removal			Cu. Yd.	16.9
Concrete Superstructure			Cu. Yd.	16.9
Reinforcement Bars, Epoxy Coated			Pound	2440

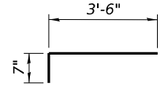
Notes:

Hatched areas indicate Concrete Removal.

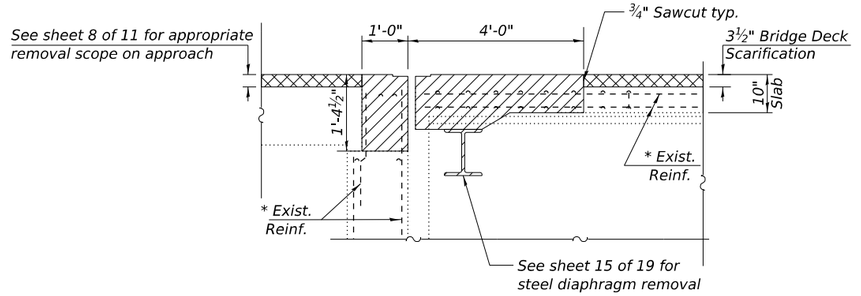
For parapet dimensions and details and View D-D, see sheet 11 of 19.

Deck Joint dimensions are based on a Rolled Rail Strip Seal Joint. If the Contractor elects to use the Welded Rail Strip Seal Joint, deck dimensions may require adjustments to satisfy the details on sheet 12 of 19.

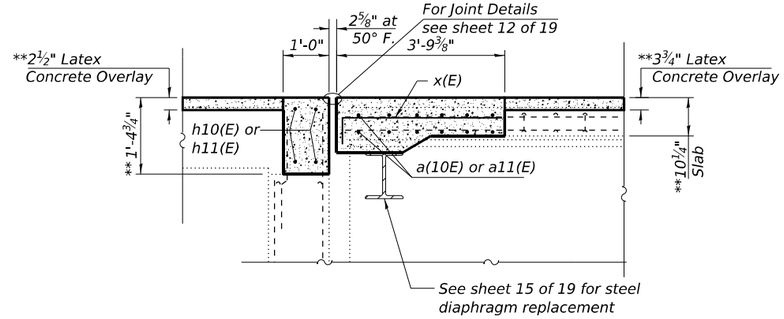
For details of Bar Splicers, see sheet 13 of 19.



BAR x(E)



SECTION B-B



SECTION C-C

MODEL: Default
FILE NAME: S:\23\2024\2372410.01 (210-023 W01 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-0570169-010-Joint Removal and Const. (NB).dgn

8/7/2025 2:06:05 PM

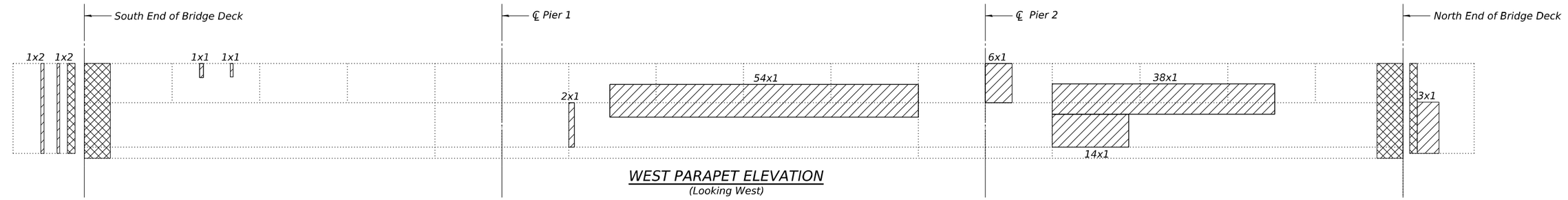
MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = baswanson	DESIGNED - KJA	REVISED -	
	CHECKED - BAS	REVISED -	
PLOT SCALE =	DRAWN - KJA	REVISED -	
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -	

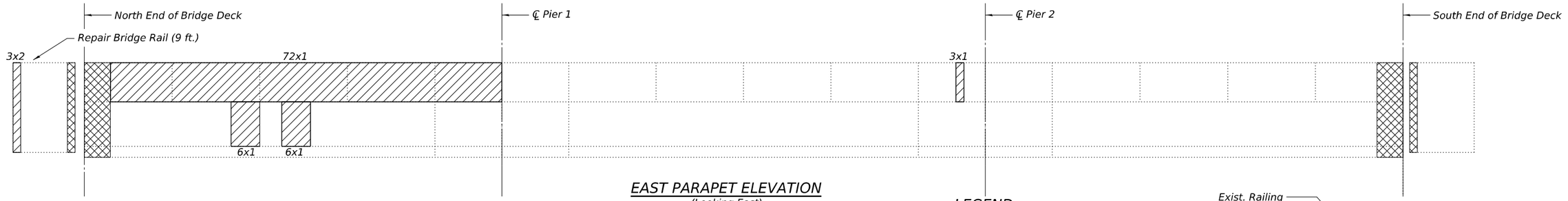
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT REPLACEMENT DETAILS (NB)
STRUCTURE NO. 057-0170
SHEET 10 OF 19 SHEETS

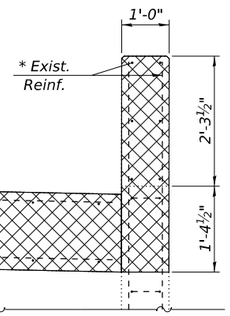
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	66
		CONTRACT NO. 70F93		
		ILLINOIS	FED. AID PROJECT	



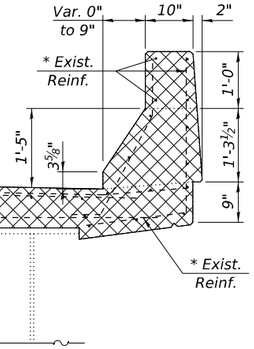
WEST PARAPET ELEVATION
(Looking West)



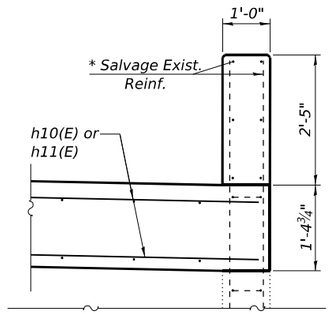
EAST PARAPET ELEVATION
(Looking East)



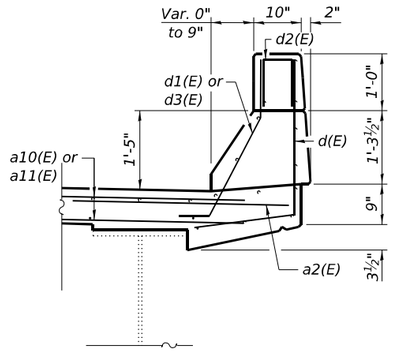
SECTION APPROACH PARAPET



SECTION THRU BRIDGE DECK PARAPET



SECTION APPROACH PARAPET
(Match Existing Section)



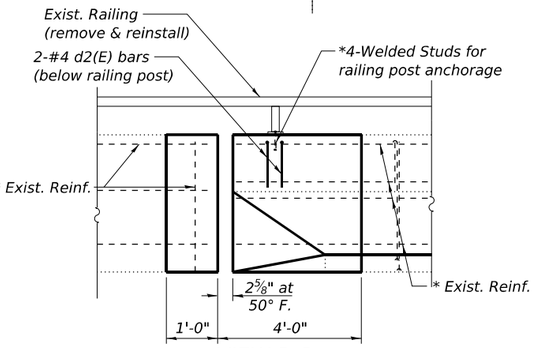
SECTION THRU BRIDGE DECK PARAPET
(Match Existing Section)

LEGEND

	Structural Repair of Concrete (Depth ≤ 5") (Parapets Only)
	Concrete Removal and Concrete Superstructure

** Existing reinforcement bars or other steel extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any elements that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.*

*** Prior to ¼" Diamond Grinding*



VIEW D-D

Notes:

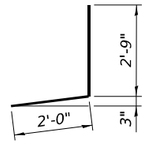
See sheet 10 of 19 for Bill of Material for parapet removal and replacement at the abutment joint.

At any drain hole locations exposed at the face of parapet by the scarification, remove ±2" depth of concrete around the hole, clean and fill the hole with polyurethane sealant, and fill the removed concrete with fresh concrete prior to placement of the latex concrete overlay. Cost included with Bridge Deck Scarification.

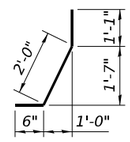
Existing guardrail or railing shall be temporarily removed and re-erected where needed to allow for replacement or repair of the parapet ends. Any railing damaged during construction shall be replaced at the Contractor's expense. Cost included with Structural Repair of Concrete.

PARAPET REPAIR (S.N. 057-0170)
BILL OF MATERIAL

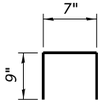
Item	Unit	Total
Structural Repair of Concrete (Depth Less Than or Equal to 5")	Sq. Ft.	216
Repair Bridge Rail	Foot	9



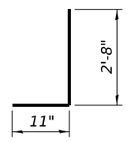
BAR d(E)



BAR d1(E)



BAR d2(E)



BAR d3(E)

MODEL: Default
FILE NAME: S:\237\2024\23724010.01 (210-023 WO1 CN70f93 Str Repairs)\CADD\CADD Sheets\70F93-057010169-011-Super Structure Details (NB).dgn

8/7/2025 2:06:06 PM

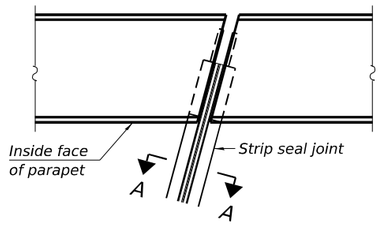
MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME =	baswanson	DESIGNED -	KJA	REVISED -	
		CHECKED -	BAS	REVISED -	
PLOT SCALE =		DRAWN -	KJA	REVISED -	
PLOT DATE =	8/7/2025	CHECKED -	LVM	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

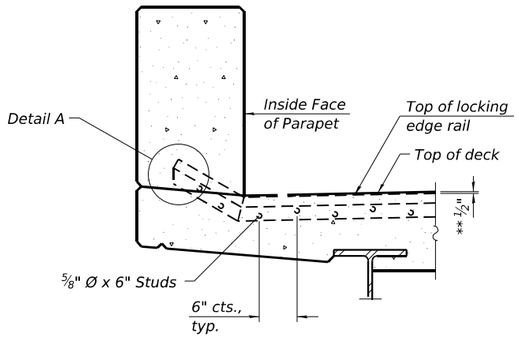
PARAPET REPAIR DETAILS (NB)
STRUCTURE NO. 057-0170
SHEET 11 OF 19 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	67
		CONTRACT NO. 70F93		
		ILLINOIS	FED. AID PROJECT	



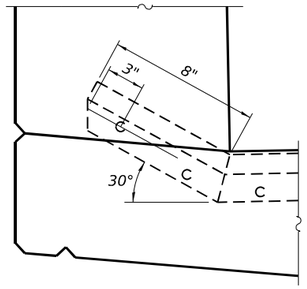
FOR SKEWS ≤ 30°

PLAN AT PARAPET



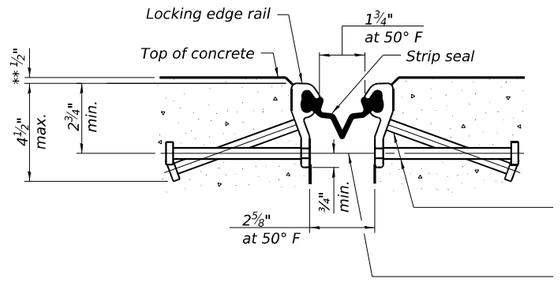
SECTION AT PARAPET

(Skews > 30° shown. Skews ≤ 30° similar except as shown in plan view.)



DETAIL A

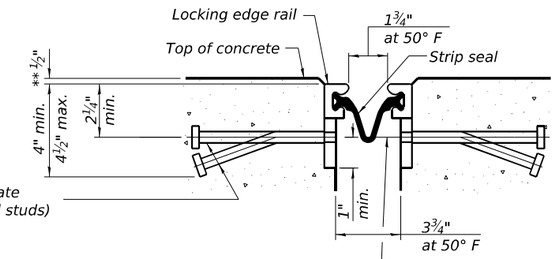
**Prior to Diamond Grinding



* 5/8" Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

3/8" Ø threaded rods in 7/16" Ø holes at 4'-0"± cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

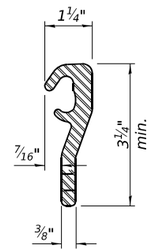
SHOWING ROLLED RAIL JOINT



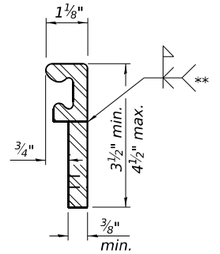
SHOWING WELDED RAIL JOINT

SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



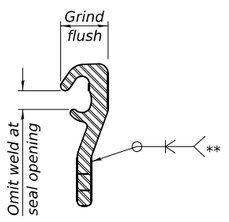
ROLLED (EXTRUDED) RAIL



WELDED RAIL

LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of ¼". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4½" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

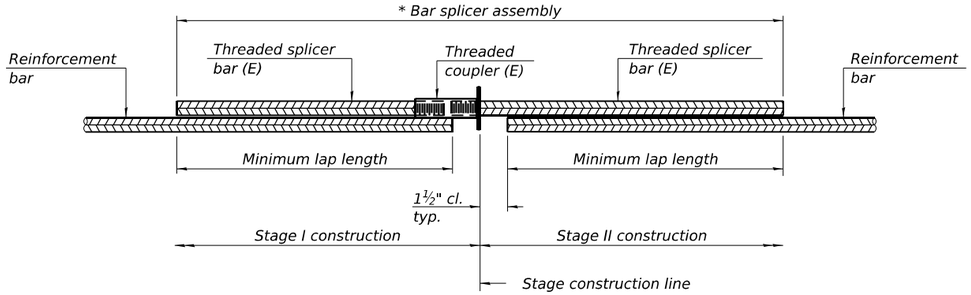
The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.

BILL OF MATERIAL (S.N. 057-0169)

Item	Unit	Total
Preformed Joint Strip Seal	Foot	83

BILL OF MATERIAL (S.N. 057-0170)

Item	Unit	Total
Preformed Joint Strip Seal	Foot	83



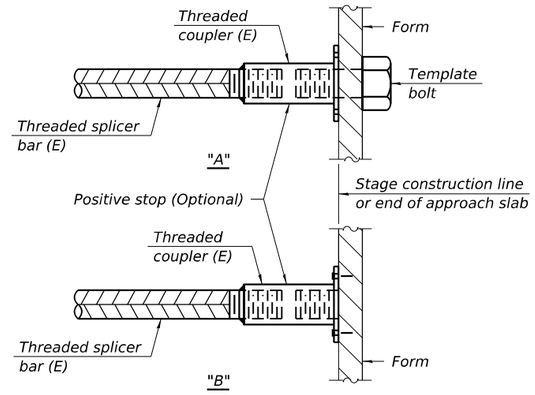
STANDARD BAR SPLICER ASSEMBLY PLAN

Only bar splicer assemblies as presented on the approved QPL list may be used.

Threaded splicer bar length = min. lap length + 1½" + thread length

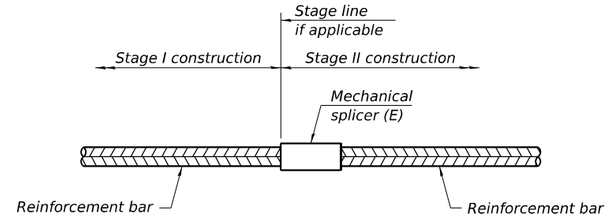
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Exp. Jt. (S.N. 057-0169)			
Ends of Deck	#6	24	3'-1"
Back Walls	#6	8	3'-6"
Exp. Jt. (S.N. 057-0170)			
Ends of Deck	#6	24	3'-1"
Back Walls	#6	8	3'-6"



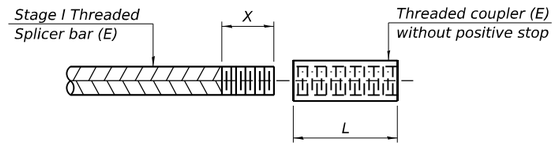
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



THREADING OF ASSEMBLIES

The threaded length "X" shall be no more than L/2. The bar should be tightened until 0-1 thread(s) is/are exposed.

Notes:
Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
All reinforcement shall be lapped and tied to the splicer bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

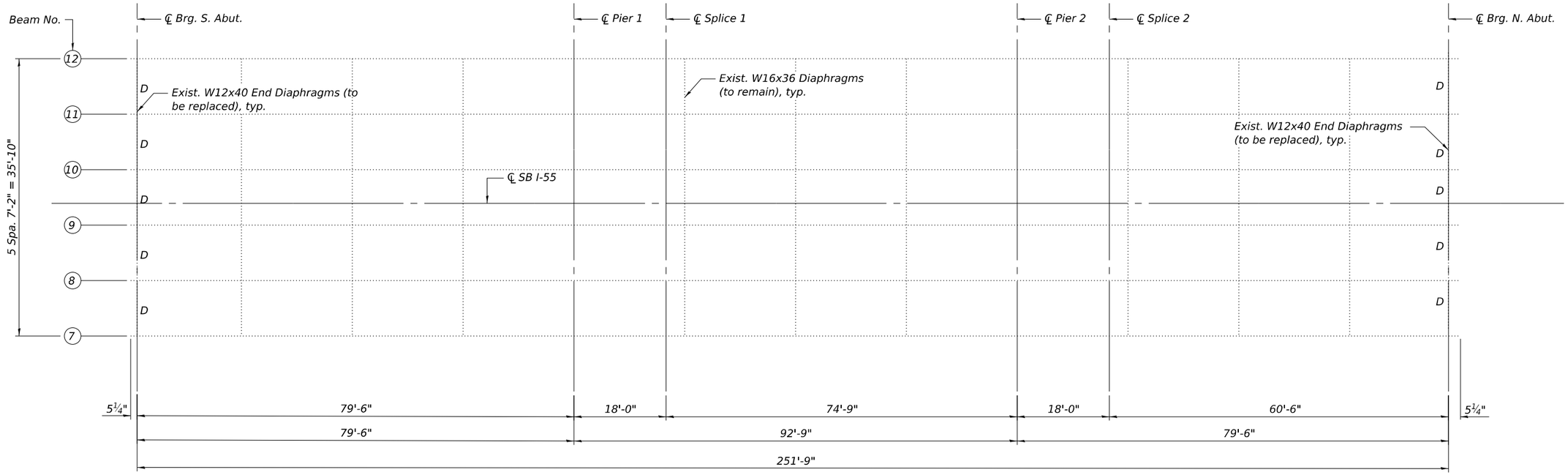
BSD-1 4-4-2025

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = baswanson	DESIGNED - KJA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BAR SPLICER ASSEMBLY DETAILS STRUCTURE NO. 057-0169 & 057-0170
	CHECKED - BAS	REVISED -		
PLOT SCALE =	DRAWN - KJA	REVISED -		SHEET 13 OF 19 SHEETS
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	69
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		

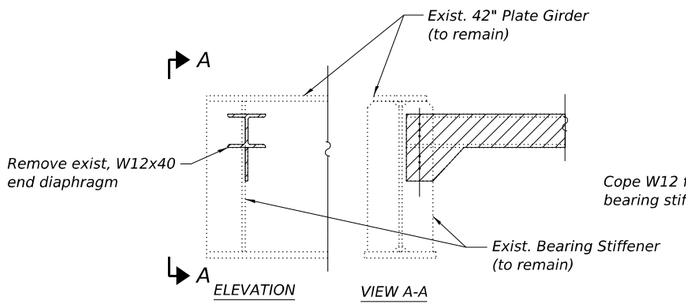
MODEL: Default
FILE NAME: S:\237\2024\23724010.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-0570169-013-Bar Splicer Assembly Details.dgn
8/7/2025 2:06:10 PM



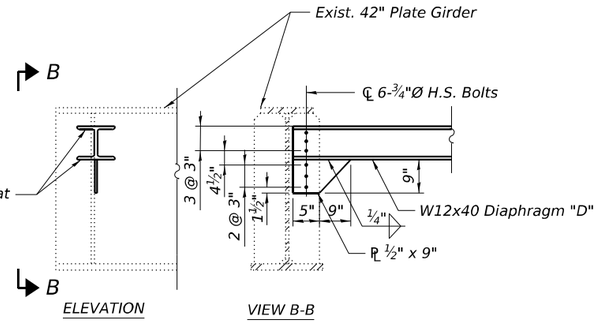
FRAMING PLAN - S.N. 057-0169

Callouts:

"D" - Remove and Replace W12x40 end diaphragms, see details this sheet



END DIAPHRAGM REMOVAL



NEW DIAPHRAGM D

Notes:

Field measurements of the existing diaphragms shall confirm geometry of member lengths and connector locations prior to fabrication of new steel diaphragms.

Fasteners shall be ASTM F 3125 Grade A325 Type 1, mechanically galvanized bolts.

Diaphragm connection holes shall be 15/16"∅ for ¾"∅ bolts. Two hardened washers shall be required at diaphragm connections.

New structural steel shall be according to either AASHTO M 270 Grade 36 or M 270 Grade 50 (galvanized).

Removal of exising diaphragms shall be paid for as Structural Steel Removal.

New diaphragms shall be paid for as Furnishing and Erecting Structural Steel.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

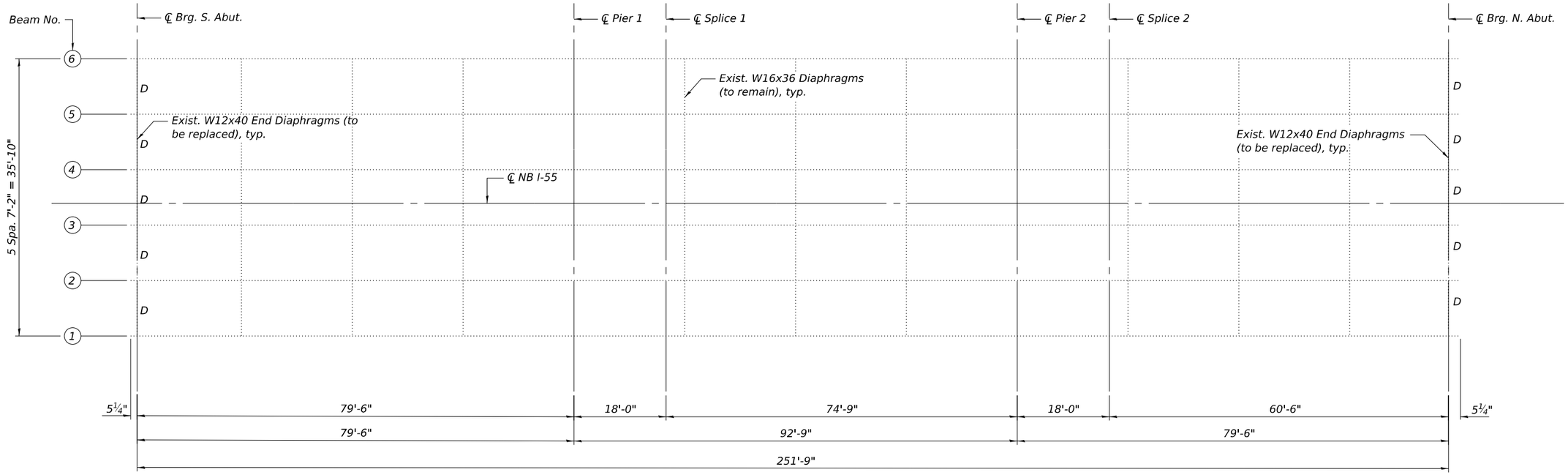
BILL OF MATERIAL
STR. NO. 057-0169

ITEM	UNIT	TOTAL
Furnishing and Erecting Structural Steel	Pound	3080
Structural Steel Removal	Pound	3010

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = baswanson	DESIGNED - KJA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURAL STEEL FRAMING PLAN (SB) STRUCTURE NO. 057-0169
	CHECKED - BAS	REVISED -		
PLOT SCALE =	DRAWN - KJA	REVISED -		
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -		SHEET 14 OF 19 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	70
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		



FRAMING PLAN - S.N. 057-0170

Notes:

Field measurements of the existing diaphragms shall confirm geometry of member lengths and connector locations prior to fabrication of new steel diaphragms.

Fasteners shall be ASTM F 3125 Grade A325 Type 1, mechanically galvanized bolts.

Diaphragm connection holes shall be $^{15}/_{16}$"∅ for $^{3}/_{4}$"∅ bolts. Two hardened washers shall be required at diaphragm connections.

New structural steel shall be according to either AASHTO M 270 Grade 36 or M 270 Grade 50 (galvanized).

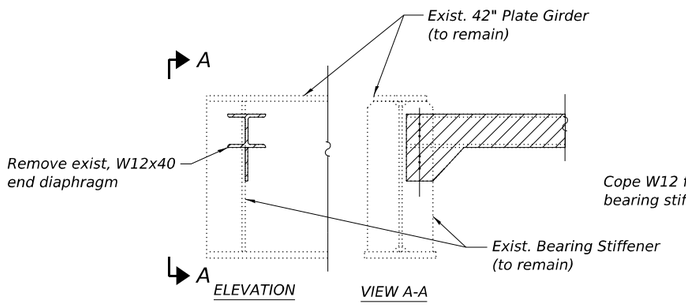
Removal of exising diaphragms shall be paid for as Structural Steel Removal.

New diaphragms shall be paid for as Furnishing and Erecting Structural Steel.

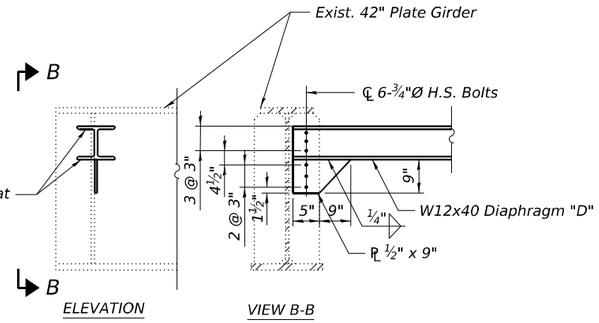
Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

Callouts:

"D" - Remove and Replace W12x40 end diaphragms, see details this sheet



END DIAPHRAGM REMOVAL



NEW DIAPHRAGM D

BILL OF MATERIAL
STR. NO. 057-0170

ITEM	UNIT	TOTAL
Furnishing and Erecting Structural Steel	Pound	3080
Structural Steel Removal	Pound	3010

MODEL: Default
FILE NAME: S:\237\2024\2372401\0.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-0570169-015-Framing Plan (NB).dgn

8/7/2025 2:06:13 PM

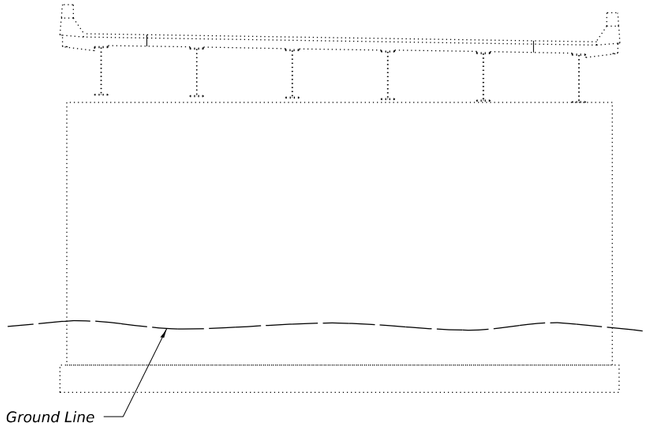
MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = baswanson		DESIGNED - KJA	REVISED -	
		CHECKED - BAS	REVISED -	
PLOT SCALE =		DRAWN - KJA	REVISED -	
PLOT DATE = 8/7/2025		CHECKED - LVM	REVISED -	

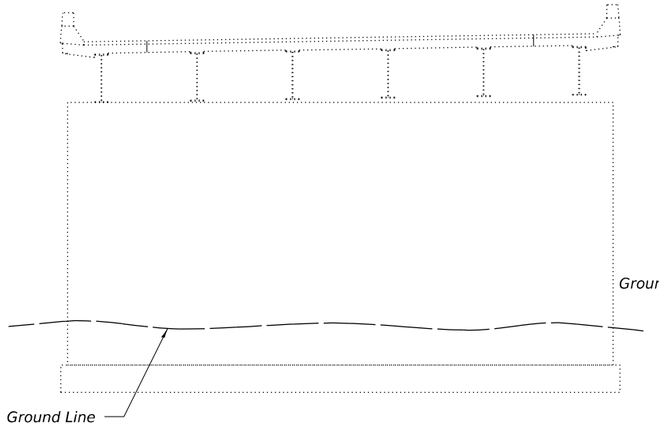
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL FRAMING PLAN (NB)
STRUCTURE NO. 057-0170
SHEET 15 OF 19 SHEETS

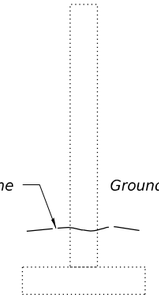
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	71
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		



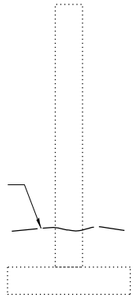
PIER 1 (SOUTH FACE)



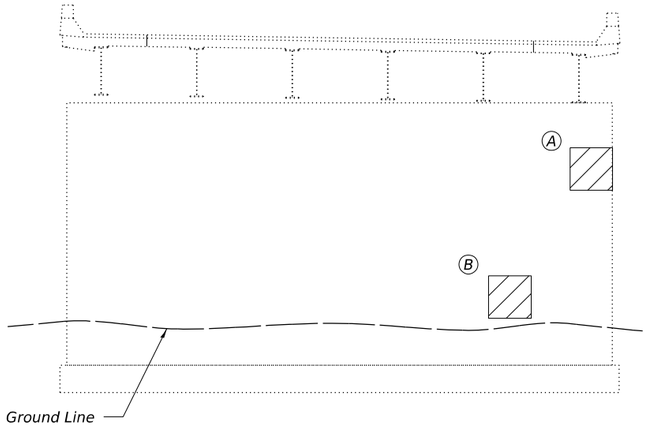
PIER 1 (NORTH FACE)



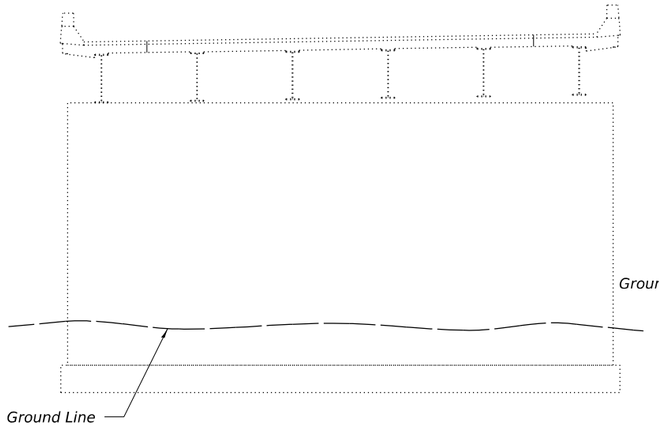
Pier 1
(WEST FACE)



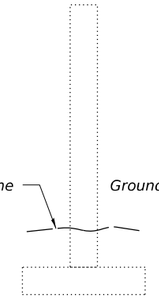
Pier 1
(EAST FACE)



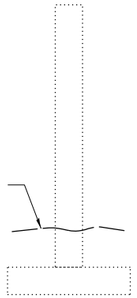
PIER 2 (SOUTH FACE)



PIER 2 (NORTH FACE)



Pier 2
(WEST FACE)



Pier 2
(EAST FACE)

Notes:
Repair areas shown are estimated from soundings on October 30, 2024.
Actual size and locations of completed repairs shall be shown on this sheet and documented in the provide tables under "As Built".

LEGEND

	Structural Repair of Concrete (Depth Equal to or Less than 5 inches)
	Structural Repair of Concrete (Depth Greater than 5 inches)

STRUCTURAL REPAIR OF CONCRETE TABLE

Label	Size	Plan Qty. SRC ≤5" Sq. Ft.	Plan Qty. SRC >5" Sq. Ft.	As Built SRC ≤5" Sq. Ft.	As Built SRC >5" Sq. Ft.
A	2' x 2'	4			
B	2' x 2'	4			
Totals		8			

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth ≤ 5 in.)	Sq. Ft.	8

MODEL: Default
FILE NAME: S:\237\2024\23724010.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-0570169-016-Pier Repair (SB).dgn

8/7/2025 2:06:14 PM

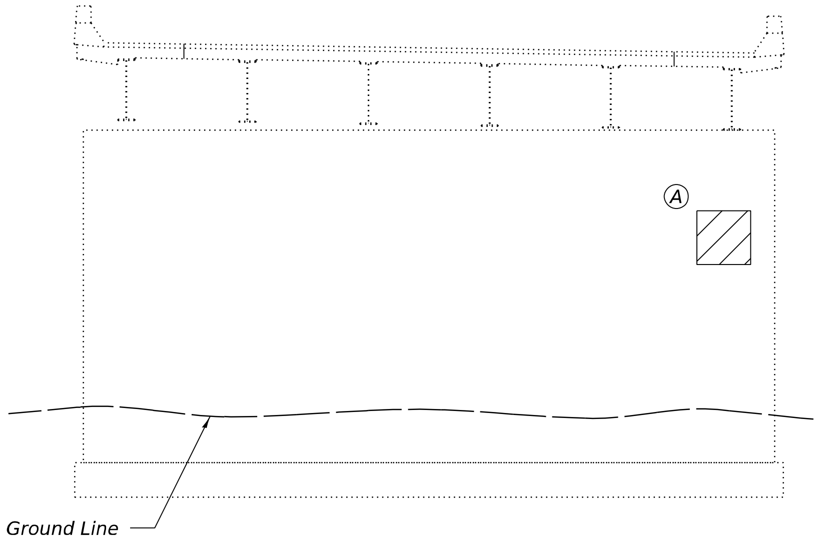
MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME =	baswanson	DESIGNED -	KJA	REVISED -	
		CHECKED -	BAS	REVISED -	
PLOT SCALE =		DRAWN -	KJA	REVISED -	
PLOT DATE =	8/7/2025	CHECKED -	LVM	REVISED -	

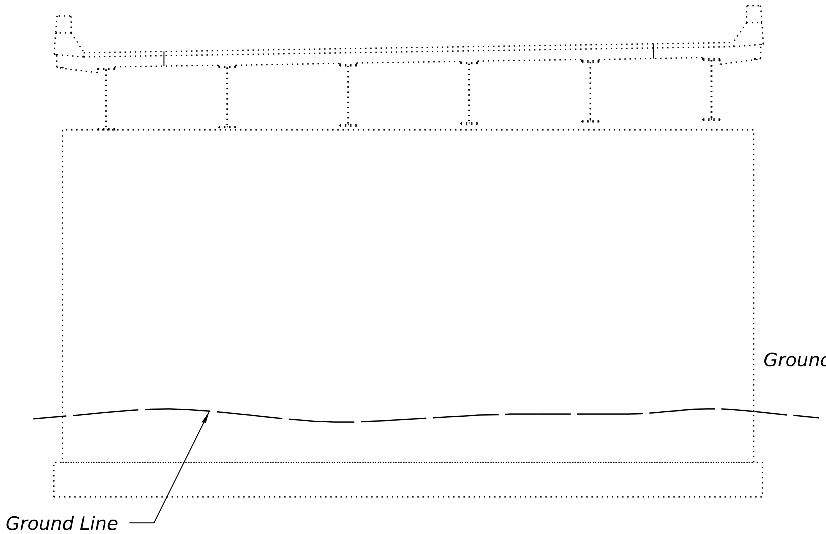
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE REPAIR - PIERS
STRUCTURE NO. 057-0169
SHEET 16 OF 19 SHEETS

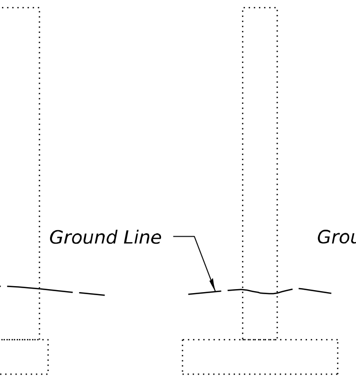
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	72
		CONTRACT NO. 70F93		
	ILLINOIS FED. AID PROJECT			



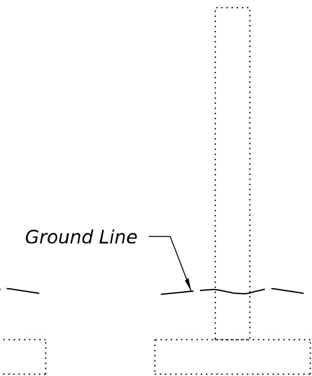
PIER 1 (SOUTH FACE)



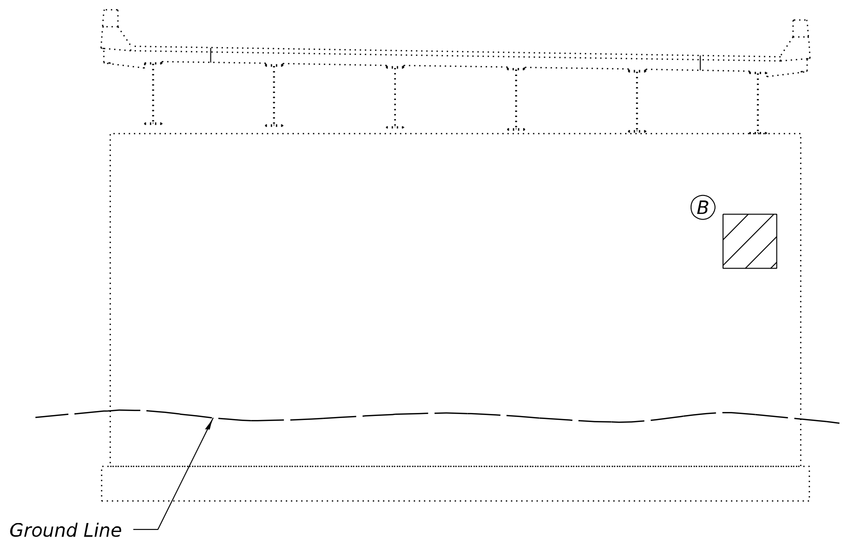
PIER 1 (NORTH FACE)



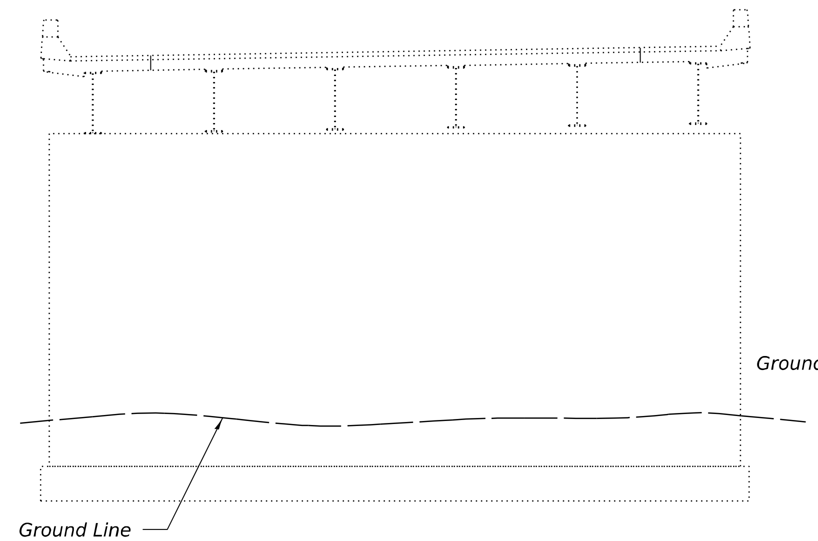
Pier 1
(WEST FACE)



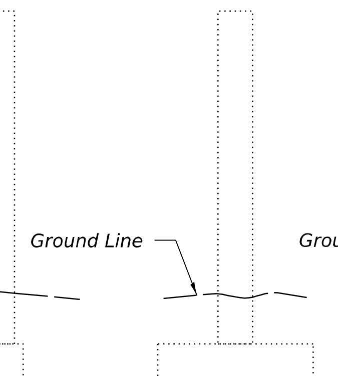
Pier 1
(EAST FACE)



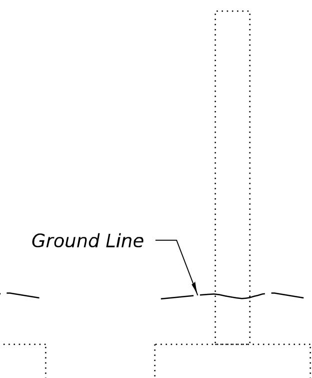
PIER 2 (SOUTH FACE)



PIER 2 (NORTH FACE)



Pier 2
(WEST FACE)



Pier 2
(EAST FACE)

Notes:
Repair areas shown are estimated from soundings on October 30, 2024.
Actual size and locations of completed repairs shall be shown on this sheet and documented in the provide tables under "As Built".

LEGEND

	Structural Repair of Concrete (Depth Equal to or Less than 5 inches)
	Structural Repair of Concrete (Depth Greater than 5 inches)

STRUCTURAL REPAIR OF CONCRETE TABLE

Label	Size	Plan Qty.		As Built	
		SRC ≤5"	SRC >5"	SRC ≤5"	SRC >5"
		Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.
A	2' x 2'	4			
B	2' x 2'	4			
	Totals	8			

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth ≤ 5 in.)	Sq. Ft.	8

MODEL: Default
FILE NAME: S:\237\2024\23724010.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-0570169-017-Pier Repair (NB).dgn

MAURER-STUTZ
ENGINEERS SURVEYORS

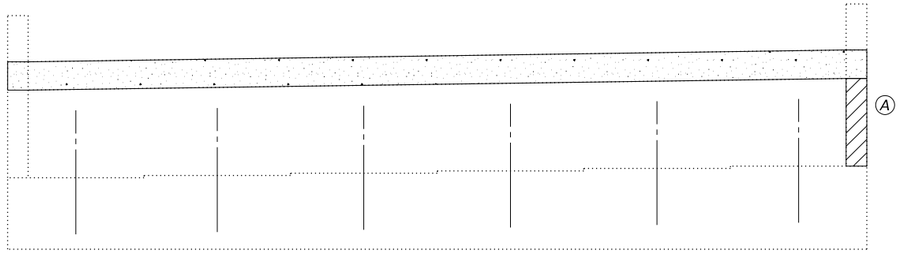
USER NAME = baswanson	DESIGNED - KJA	REVISED -
	CHECKED - BAS	REVISED -
PLOT SCALE =	DRAWN - KJA	REVISED -
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

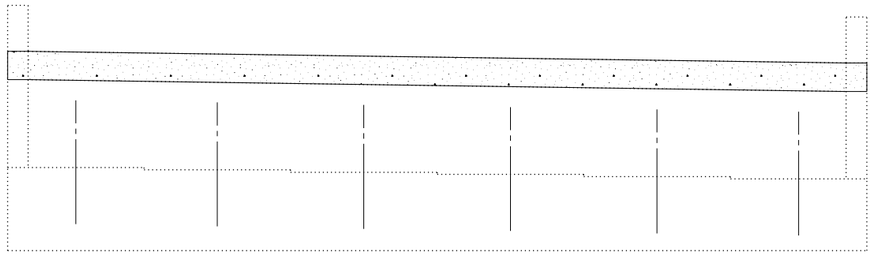
STRUCTURE REPAIR - PIERS
STRUCTURE NO. 057-0170
SHEET 17 OF 19 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	73
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		

8/7/2025 2:06:16 PM



NORTH ABUTMENT
(Looking North)



SOUTH ABUTMENT
(Looking South)

LEGEND

	Structural Repair of Concrete (Depth Equal to or Less than 5 inches)
	Structural Repair of Concrete (Depth Greater than 5 inches)
	Concrete Removal

Notes:
Repair areas shown are estimated from soundings on October 30, 2024.
Actual size and locations of completed repairs shall be shown on this sheet and documented in the provide tables under "As Built".

STRUCTURAL REPAIR OF CONCRETE TABLE

Label	Size	Plan Qty.		As Built	
		SRC ≤5"	SRC >5"	SRC ≤5"	SRC >5"
		Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.
A	1' x 4'	4			
Totals					

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth ≤ 5 in.)	Sq. Ft.	4

MODEL: Default
FILE NAME: S:\237\2024\237240010.01 (210-023 W01 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-057O169-018-Abutment Repair (SB).dgn
8/7/2025 2:06:17 PM

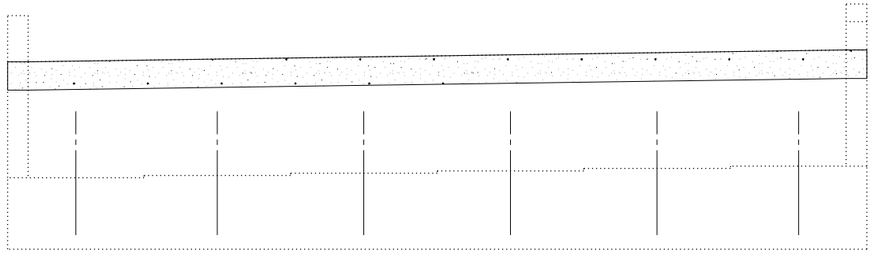
MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME =	baswanson	DESIGNED -	KJA	REVISED	-
		CHECKED -	BAS	REVISED	-
PLOT SCALE =		DRAWN -	KJA	REVISED	-
PLOT DATE =	8/7/2025	CHECKED -	LVM	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

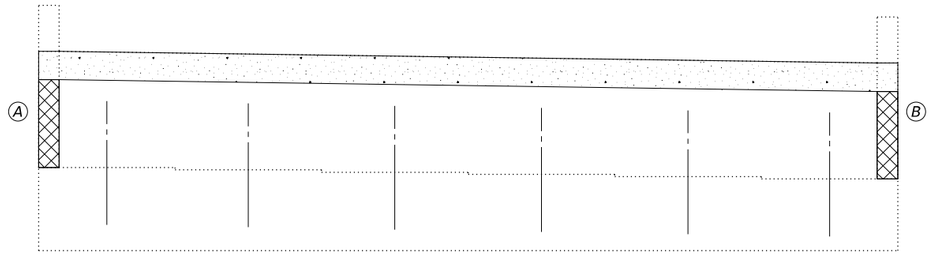
STRUCTURE REPAIR - ABUTMENT
STRUCTURE NO. 057-0169
SHEET 18 OF 19 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	74
		CONTRACT NO. 70F93		
	ILLINOIS	FED. AID PROJECT		



ELEVATION - NORTH ABUTMENT

(Looking North)



ELEVATION - SOUTH ABUTMENT

(Looking South)

LEGEND

	Structural Repair of Concrete (Depth Equal to or Less than 5 inches)
	Structural Repair of Concrete (Depth Greater than 5 inches)
	Concrete Removal

Notes:
Repair areas shown are estimated from soundings on October 30, 2024.
Actual size and locations of completed repairs shall be shown on this sheet and documented in the provide tables under "As Built".

STRUCTURAL REPAIR OF CONCRETE TABLE

Label	Size	Plan Qty.		As Built	
		SRC ≤5"	SRC >5"	SRC ≤5"	SRC >5"
		Sq. Ft.	Sq. Ft.	Sq. Ft.	Sq. Ft.
A	1' x 4'		4		
B	1' x 4'		4		
Totals			8		

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth > 5 in.)	Sq. Ft.	8

MODEL: Default
FILE NAME: S:\23724\2024\23724010.01 (210-023 W01 CN70F93 Str Repairs)\CADD\CADD Sheets\70F93-057-0169-019-Abutment Repair (NB).dgn

8/7/2025 2:06:18 PM

MAURER-STUTZ ENGINEERS SURVEYORS

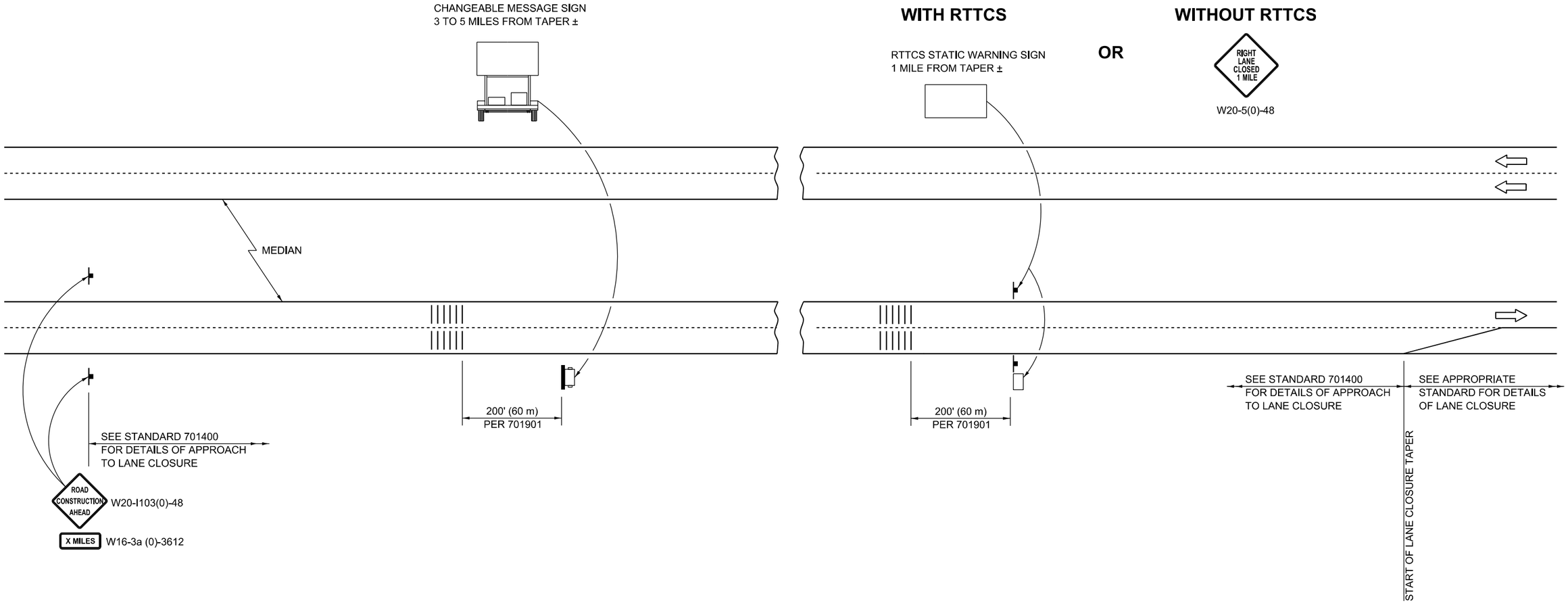
USER NAME = baswanson	DESIGNED - KJA	REVISED -		
	CHECKED - BAS	REVISED -		
PLOT SCALE =	DRAWN - KJA	REVISED -		
PLOT DATE = 8/7/2025	CHECKED - LVM	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE REPAIR - ABUTMENT
STRUCTURE NO. 057-0170
SHEET 19 OF 19 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	75
		CONTRACT NO. 70F93		
	ILLINOIS FED. AID PROJECT			

DETAIL FOR TEMPORARY RUMBLE STRIPS



SYMBOLS

- SIGN
- TEMPORARY RUMBLE STRIPS
- CHANGEABLE MESSAGE SIGN
- RTTCS STATIC WARNING SIGN

GENERAL NOTES

REMOVE THE TEMPORARY RUMBLE STRIPS PRIOR TO THE REMOVAL OF THE ADVANCED WARNING SIGNS.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

SEE HIGHWAY STANDARD 701901 FOR TEMPORARY RUMBLE STRIP INSTALLATION.

MODEL: 70106700 [Sheet]
FILE NAME: S:\237-2024\2372401\0J1 (210-023 WO1 CN76F93 Str Repairs)\CADD\CADD Sheets\D570F93-site-Detail_70106700.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = cadiaz	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.08333333 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/7/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

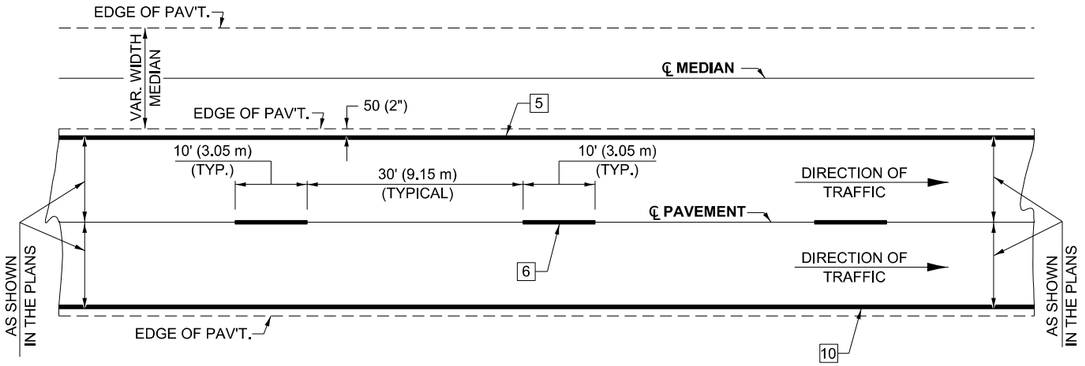
INTERSTATE 55 BRIDGE DECK OVERLAY
DETAIL FOR TEMPORARY RUMBLE STRIPS

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

DISTRICT 5 DETAIL NO. 70106700

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	76
		CONTRACT NO. 70F93		
	ILLINOIS FED. AID PROJECT			

CENTERLINE INTERSTATE OR MULTI-LANE TWO WAY DIVIDED HIGHWAY

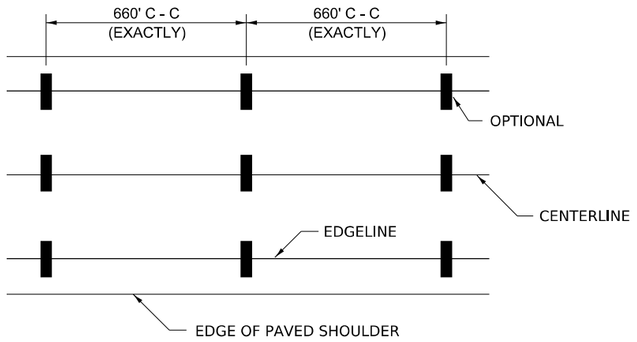


NOTE: PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.

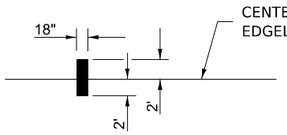
NOTE: SEE ARTICLES 780.04 & 781.03 FOR LOCATION OF STRIPES AND MARKERS RELATIVE TO EDGES OR JOINTS.

FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO STANDARD 781001.

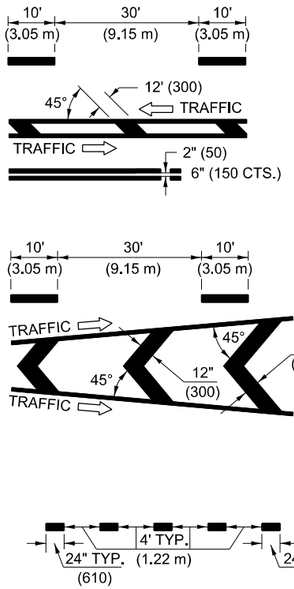
TYPICAL PAVEMENT MARKING LEGEND



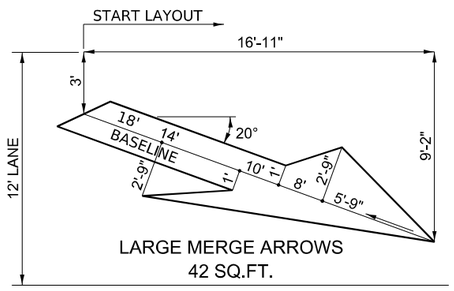
IT WILL BE NECESSARY TO HAVE A REPRESENTATIVE OF THE STATE POLICE PRESENT SO THAT THE ACCURACY OF MEASUREMENT CAN BE ATTESTED TO IN COURT.



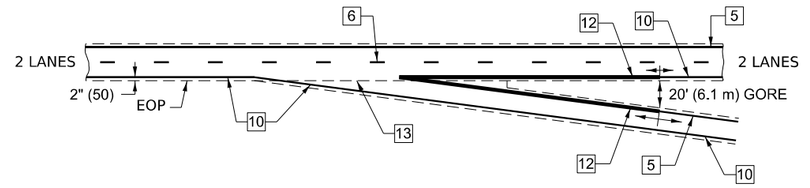
- [1] 4" (100) SKIP-DASH (YELLOW)
- [2] 4" (100) SOLID (YELLOW)
- [3] 12" (300) DIAGONAL (YELLOW)
- [4] 4" (100) DOUBLE YELLOW (NARROW)
- [5] 6" (150) SOLID (YELLOW)
- [6] 6" (150) SKIP-DASH (WHITE)
- [7] 4" (100) SKIP-DASH (WHITE)
- [8] 4" (100) SOLID (WHITE)
- [9] 12" (300) DIAGONAL (WHITE)
- [10] 6" (150) SOLID (WHITE)
- [11] 24" (600) STOP BAR (WHITE)
- [12] 8" (200) SOLID (WHITE)
- [13] 6" (150) LANE LINE EXTENSIONS (WHITE)



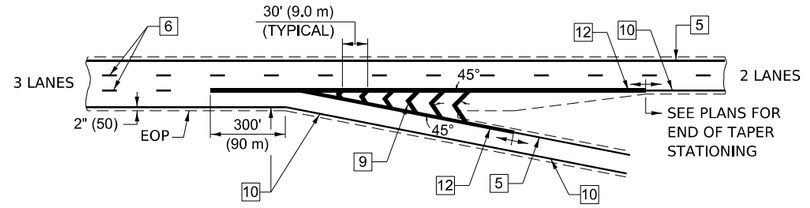
AERIAL SPEED CHECK ZONES



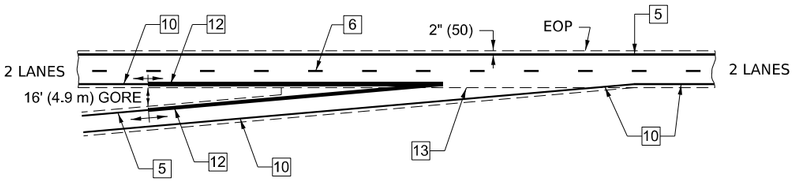
TYPICAL EXIT RAMP TERMINAL



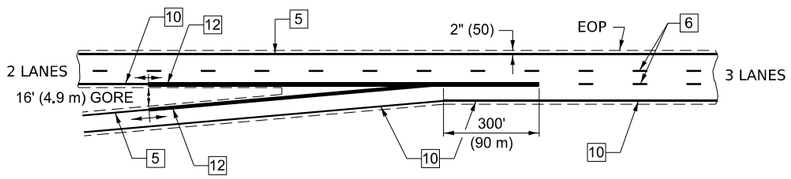
EXIT RAMP TERMINAL with EXCLUSIVE (auxiliary) LANE



TYPICAL ENTRANCE RAMP TERMINAL



ENTRANCE RAMP TERMINAL with EXCLUSIVE LANE



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

MODEL: 7800BBBB_Sht_2 [Sheet]
FILE NAME: S:\C3\2024\23724010\J1 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D570F93-uhl-Detail_7800BBBB.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = cadlaz	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.08333333 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/7/2025	DATE -	REVISED -	

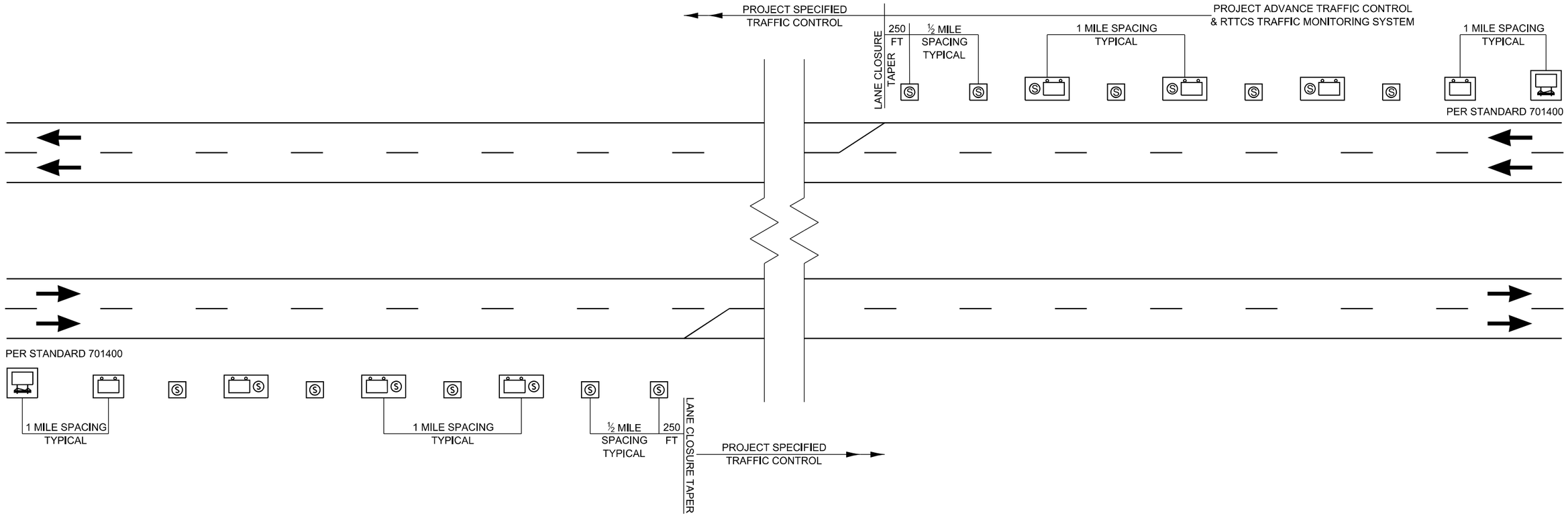
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAY
PAVEMENT MARKING (INTERSTATE & MULTI-LANE APPLICATIONS)

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

DISTRICT 5 DETAIL NO. 7800BBBB

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	77
		CONTRACT NO. 70F93		
	ILLINOIS FED. AID PROJECT			



LEGEND

REAL-TIME TRAFFIC CONTROL WARNING SIGN
PROJECT SIGN SHALL BE A 48" X 96" (1200MM X 2400MM)
SIGN THAT SAYS:
"STOPPED TRAFFIC NEXT MILE WHEN FLASHING".

STOPPED TRAFFIC
NEXT MILE
WHEN FLASHING

SINGLE PORTABLE CHANGEABLE MESSAGE SIGN PLACED 1 MILE
IN ADVANCE OF THE REAL-TIME TRAFFIC CONTROL WARNING SIGN.
IT SHALL READ: "RIGHT/LEFT LANE CLOSED // X MILES AHEAD"
THIS PORTABLE CHANGEABLE MESSAGE SIGN IS INCLUDED IN STANDARD 701400

Ⓢ REAL-TIME TRAFFIC MONITORING SENSOR UNIT

NOTES:

1. THE NUMBER OF REAL-TIME TRAFFIC CONTROL WARNINGS SIGNS MAY BE CHANGED AS DIRECTED BY THE ENGINEER. RELOCATION OF REAL-TIME TRAFFIC CONTROL STATIC WARNING SIGNS IS INCLUDED IN THE REAL-TIME TRAFFIC CONTROL PAY ITEMS.
2. REAL-TIME TRAFFIC CONTROL MONITORING SENSOR UNITS SPACED APPROXIMATELY EVERY 1/2 MILE AND REAL-TIME TRAFFIC CONTROL WARNING SIGNS SPACED EVERY 1 MILE OR AS DIRECTED BY THE ENGINEER.
3. THE FIRST REAL-TIME TRAFFIC MONITORING SENSORS UNIT IS TO BE PLACED 250 FOOT UPSTREAM OF THE TAPER.
4. THE SECOND REAL-TIME SPEED TRAFFIC MONITORING SENSOR UNIT IS TO BE PLACED 250 FOOT IN ADVANCE OF THE RIGHT LANE/LEFT LANE CLOSED 1/2 MILE SIGN (STD. 701400).
5. THE FIRST REAL-TIME TRAFFIC CONTROL WARNINGS SIGN SHOULD BE PLACED 500 FOOT IN ADVANCE OF THE RIGHT/LEFT LANE CLOSED 1 MILE SIGN (STD. 701400)
6. THE NUMBER OF RTTCS DEVICES MAY BE REDUCED BASED ON THE LOCATION OF THE PORTABLE CHANGEABLE MESSAGE SIGN PER (STD. 701400) AS DIRECTED BY THE ENGINEER.

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

DISTRICT 5 DETAIL NO. X032AAAA

MODEL: X032AAAA [Sheet]
FILE NAME: S:\237-202423724010J1 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\D570F93-uht-Detail_X032AAAA.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

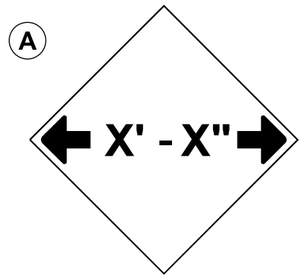
USER NAME = cadlaz	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.08333333 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/7/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAY
REAL-TIME TRAFFIC CONTROL SYSTEM

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

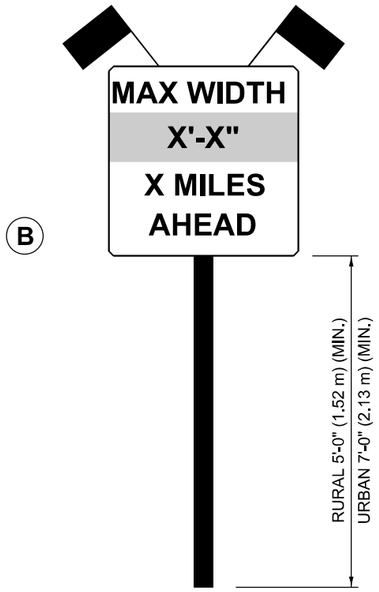
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	78
		CONTRACT NO. 70F93		
	ILLINOIS FED. AID PROJECT			



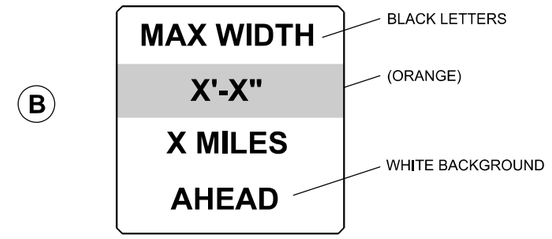
W12-2(0)-48"x48"(1200x1200)

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.



SIGN PANEL, TYPE II



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

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.

MODEL: X7020201 [Sheet]
FILE NAME: S:\237\2024\2372401\0.01 (210-023 WO1 CN70F93 Str Repairs)\CADD\CADD Sheets\DS7\0F93-Intr-Detail_X7200201.dgn

MAURER-STUTZ ENGINEERS SURVEYORS

USER NAME = cadiaz	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.08333333 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/7/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSTATE 55 BRIDGE DECK OVERLAY
WIDTH RESTRICTION SIGNING

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

DISTRICT 5 DETAIL NO. X7200201

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-2B-3,4)BR	MCLEAN	79	79
		CONTRACT NO. 70F93		
		ILLINOIS	FED. AID PROJECT	