04-24-2026 LETTING ITEM 080

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR & (70-VBR-1)BRR	LASALLE	45	1
	ILLINOIS	CONTRACT NO. 66R64		

INDEX OF SHEETS

HIGHWAY STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701321-19	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

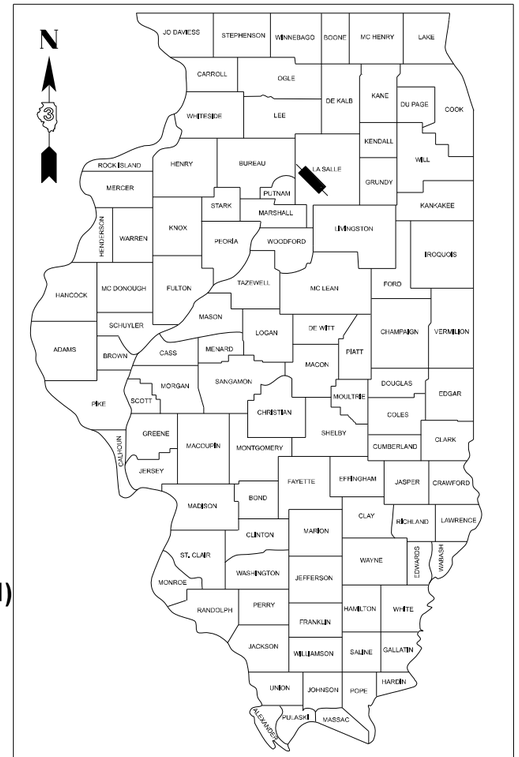
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAP ROUTE 619 **(IL 351/71)**
SECTION (70VBR)BRR & (70VBR-1)BRR
BRIDGE REPAIR
LASALLE COUNTY

C-93-023-26

D-93-007-26



LOCATION OF SECTION INDICATED THUS: -

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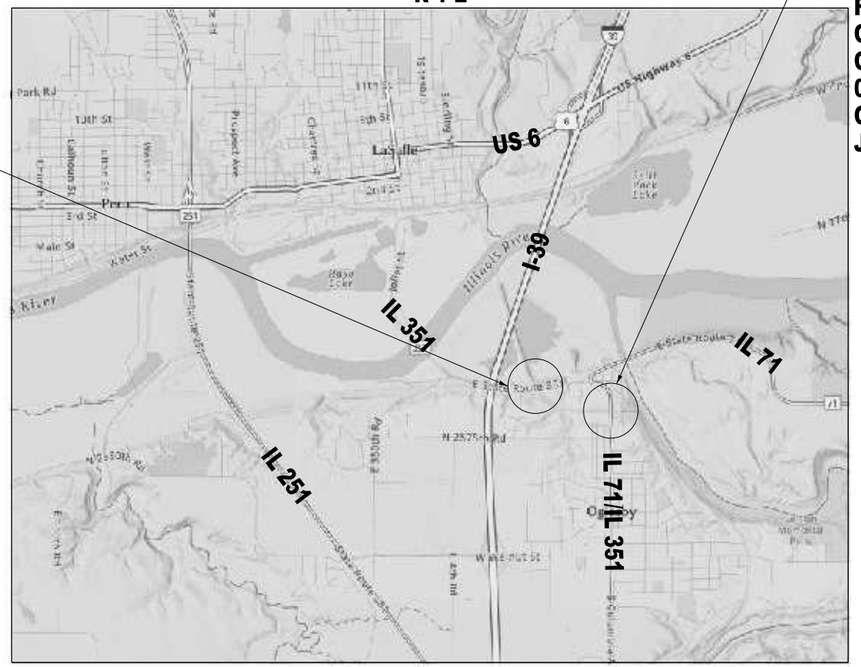

LOCATION MAP
NOT TO SCALE

FUNCTIONAL CLASSIFICATION

MINOR ARTERIAL
F.A.P. ROUTE 619 (IL RTE 351/71)
2025 ADT = 4700
P.V. = 92.6% S.U. = 5.3% M.U. = 2.1%

100' 200' 300' — 1"= 100'
0 10' 20' 30' — 1"= 10'
0 50' 100' — 1"= 50'
0 50' 100' — 1"= 40'
0 50' 100' — 1"= 30'
0 50' 100' — 1"= 20'

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 4 20 26
Trisha Thompson
REGIONAL ENGINEER

March 20 26
ENGINEER OF DESIGN AND ENVIRONMENT

March 20 26
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PROJECT ENGINEER: JUNIOR SENAT P.E.
UNIT CHIEF: RON WOODSHANK
DISTRICT NO. 3 (815) 434-6131

CONTRACT NO. 66R64

LIN ENGINEERING,LTD.
Consulting Engineers
Westmont, Illinois

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV. 3/24/26 REV. 2/18/26

GENERAL NOTES

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY.

THE DISTRICT WILL BE RESPONSIBLE FOR ALL COORDINATION REQUIRED WITH THE RAILROAD WHEN WORK WILL BE PERFORMED NEAR THE RAILROAD TRACKS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

SHORT TERM PAVEMENT MARKING	10	FT / 100 FT OF APPLICATION
HMA RESURFACING	112	LBS / SQ YD / IN

HMA MIXTURE TABLE

LOCATIONS	HMA SHOULDERS	
	10" HMA SHOULDERS	
MIXTURE USE	HMA BINDER	HMA SURFACE
	BOTTOM LIFTS	TOP LIFT
BINDER GRADE (PG)	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4% @ N50	4% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 19.0	IL 9.5
FRICTION AGGREGATE	N/A	MIXTURE C
MIXTURE WEIGHT	112.0 LB/SQ YD/IN	112.0 LB/SQ YD/IN
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA
SUBLOT SIZE	N/A	N/A
DENSITY TEST METHOD	CORE/NUCLEAR	CORE/NUCLEAR
MATERIAL TRANSFER DEVICE (REQUIRED)	NO	NO

COMMITMENTS

THE ENGINEER SHALL RECORD THE DECK SLAB REPAIR LOCATION, PATCH SIZE AND QUANTITIES ON THE DECK SLAB REPAIR "AS BUILT" PLAN DETAILS. WHEN RECORDED, THE ENGINEER SHALL FORWARD THE DECK SLAB REPAIR "AS BUILT" PLAN DETAILS TO THE BRIDGE OFFICE IN A TIMELY MANNER. BRIDGE OFFICE CONTACT PERSON IS JEFFREY BURKE. PHONE (217) 558-0282. EMAIL: JEFFREY.BURKE@ILLINOIS.GOV. THE ENGINEER SHALL NOTIFY THE DEPARTMENTS DESIGN AND PLANNING SECTION WHEN THE "AS BUILT" DECK SLAB REPAIR PLAN HAS BEEN SENT TO THE BRIDGE OFFICE. CONTACT PERSON IS JUNIOR SENAT. PHONE (815) 434-8449. EMAIL: JUNIOR.SENAT@ILLINOIS.GOV

CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGES ON EACH APPROACH OF THE EFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING CLOSURES TO N 450TH RD AND N COLUMBIA RD. THE SIGN MESSAGES SHALL BE REVISED TWO WEEKS THEREAFTER WITH MESSAGES WARNING TRAFFIC OF POTENTIAL TRAFFIC DELAYS, QUEUING AND/OR WITH MESSAGES NOTIFYING TRAFFIC TO USE ALTERNATE ROUTES. THE SIGN LOCATIONS AND MESSAGES SHALL BE DETERMINED BY THE ENGINEER.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS-BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES
OF CONSTRUCTION: _____

INSPECTORS: _____

MODEL: General Notes [Sheet]
FILE NAME: E:\2422-3\CADD_Sheets\D366R64-sht-index.dgn

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Consulting Engineers
Westmont, Illinois

USER NAME = 14nho		DESIGNED - NH		REVISED -	
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PLOT SCALE = 0.16666633 ' / in.		CHECKED - RC		REVISED -	
PLOT DATE = 1/26/2026		DATE - 1/2026		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 351/71 OVER LONE STAR CEMENT RAILROAD
GENERAL NOTES

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR & (70-VBR-1)BRR	LASALLE	45	2
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE CONTRACT MAINTENANCE 100% STATE BRIDGE 0047 SN 050-0019	CONSTRUCTION CODE CONTRACT MAINTENANCE 100% STATE BRIDGE 0047 SN 050-0218
20200100	EARTH EXCAVATION	CU YD	100	90	10
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	529	508	21
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	476	457	19
44000300	CURB REMOVAL	FOOT	319	319	
44004250	PAVED SHOULDER REMOVAL	SQ YD	508	508	
48203037	HOT-MIX ASPHALT SHOULDERS, 10"	SQ YD	529	508	21
50102400	CONCRETE REMOVAL	CU YD	27.1	15.7	11.4
50157300	PROTECTIVE SHIELD	CU YD	32		32
50300255	CONCRETE SUPERSTRUCTURE	CU YD	27.1	15.8	11.3
50300300	PROTECTIVE COAT	SQ YD	77	41	36
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	121		121
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3,770	2,130	1,640
50800515	BAR SPLICERS	EACH	52	26	26
52000110	PREFORMED JOINT STRIP SEAL	FOOT	170	96	74

* SPECIALTY ITEM

MODEL: Summary of Quantities [Sheet]
FILE NAME: E:\2422-3\CADD_Sheets\D366R84-sht-SOQ.dgn

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Westmont, Illinois

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PLOT DATE = 12/2/2025	DATE - 1/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 351/71 OVER LONE STAR CEMENT RAILROAD
SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR & (70-VBR-1)BRR	LASALLE	45	3
		CONTRACT NO. 66R64		
	ILLINOIS FED. AID PROJECT			

REV. 3/20/26REV. 2/18/26

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE CONTRACT MAINTENANCE 100% STATE BRIDGE 0047 SN 050-0019	CONSTRUCTION CODE CONTRACT MAINTENANCE 100% STATE BRIDGE 0047 SN 050-0218
52100520	ANCHOR BOLTS, 1"	EACH	6		6
53016000	DECK SLAB REPAIR (PARTIAL)	SQ YD	2		2
53016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	2		2
53212754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	24	24	
59000200	EPOXY CRACK INJECTION	FOOT	199	63	136
66101150	HOT-MIX ASPHALT SHOULDER CURB	FOOT	319	319	
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	2	1	1
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1		1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	2	1	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	12	6	6
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	88	44	44
70300100	SHORT TERM PAVEMENT MARKING	FOOT	479	278	201
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	160	93	67

* SPECIALTY ITEM

MODEL: SOQ-2 [Sheet]
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Westmont, Illinois

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PLOT DATE = 11/6/2025	DATE - 1/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 351/71 OVER LONE STAR CEMENT RAILROAD
SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR & (70-VBR-1)BRR	LASALLE	45	4
		CONTRACT NO. 66R64		
	ILLINOIS FED. AID PROJECT			

REV. 2/18/26

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE CONTRACT MAINTENANCE 100% STATE BRIDGE 0047 SN 050-0019	CONSTRUCTION CODE CONTRACT MAINTENANCE 100% STATE BRIDGE 0047 SN 050-0218
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	700.0	512.5	187.5
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	687.5	500.0	187.5
	70600251	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW) TEST LEVEL 3	EACH	4	2	2
	70600352	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE, NARROW) TEST LEVEL 3	EACH	4	2	2
*	72000100	SIGN PANEL - TYPE 1	SQ FT	15	8	7
*	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	1	1
*	72400740	REMOVE AND RELOCATE SIGN PANEL - TYPE 2	SQ FT	11		11
*	73000100	WOOD SIGN SUPPORT	FOOT	60	28	32
*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	4,092	1,654	2,438
*	78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	220	220	
*	78100300	REPLACEMENT REFLECTOR	EACH	8	8	
*	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	24	24	
*	78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	21	14	7
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1,473	660	813

* SPECIALTY ITEM

MODEL: SOQ-3 [Sheet]
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Westmont, Illinois

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PLOT SCALE = 0.16666667 ' / in.	CHECKED - RC	REVISED -	
PLOT DATE = 11/15/2025	DATE - 1/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 351/71 OVER LONE STAR CEMENT RAILROAD
SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET 3 OF 4 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR & (70-VBR-1)BRR	LASALLE	45	5
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		

REV. 3/24/26 REV. 2/18/26

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE CONTRACT MAINTENANCE 100% STATE BRIDGE 0047 SN 050-0019	CONSTRUCTION CODE CONTRACT MAINTENANCE 100% STATE BRIDGE 0047 SN 050-0218
X0327999	ANTI-GRAFFITI COATING	SQ FT	1,572	1,572	
X1300003	CLEAN APPROACH SLAB DRAIN	EACH	6	4	2
X5030539	FLOOR DRAINS TO BE CLEANED	EACH	8		8
X5051204	STRUCTURAL STEEL REMOVAL	POUND	77		77
X5091742	REMOVE AND RE-ERECT EXISTING BRIDGE RAIL	FOOT	55		55
X6350204	LINEAR DELINEATOR PANELS, 4 INCH	EACH	16	16	
X6350206	LINEAR DELINEATOR PANELS, 6 INCH	EACH	8	6	2
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	0.5	0.5
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	84	42	42
X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	8	8	
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	5	4	1
Z0012500	CONCRETE CURB REPAIR	FOOT	4	4	

* SPECIALTY ITEM

MODEL: SOQ-4 [Sheet]
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Westmont, Illinois

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PLOT DATE = 11/15/2025	DATE - 1/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 351/71 OVER LONE STAR CEMENT RAILROAD
SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET 4 OF 4 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR & (70-VBR-1)BRR	LASALLE	45	6

CONTRACT NO. 66R64

ILLINOIS | FED. AID PROJECT

REV. 4/7/26 REV. 3/24/26 REV. 2/18/26

TEMPORARY CONCRETE BARRIER

STAGE	FROM STATION	TO STATION	LT/RT	FOOT
S.N. 050-0019				
1	33+90.27	39+01.99	LT/RT	512.50
S.N. 050-0218				
1	956+92.52	958+80.01	LT/RT	187.50
			ROUNDED TOTAL	700.0

RELOCATE TEMPORARY CONCRETE BARRIER

STAGE	FROM STATION	TO STATION	LT/RT	FOOT
S.N. 050-0019				
2	33+88.23	38+87.62	LT/RT	500.00
S.N. 050-0218				
2	956+92.52	958+80.01	LT/RT	187.50
			ROUNDED TOTAL	687.5

PAVEMENT MARKING REMOVAL - WATER BLASTING

FROM STATION	TO STATION	LT/RT	WIDTH	AREA (SQ FT)
S.N. 050-0019				
31+94.00	40+61.44	LT	4.00	288.87
31+94.00	34+10.30	RT	4.00	72.28
31+94.00	40+61.44	LT/RT	6.00	108.43
34+91.76	40+61.44	RT	4.00	189.95
S.N. 050-0218				
954+14.96	961+62.37	LT/RT	4.00	498.27
956+90.98	961+62.37	RT	4.00	157.13
956+90.98	961+62.37	LT	4.00	157.13
		ROUNDED TOTAL		1,473

BARRIER WALL REFELCTORS, TYPE C

STAGE	FROM STATION	TO STATION	LT/RT	EACH
S.N. 050-0019				
1	35+24.81	37+19.04	LT	7
2	35+46.54	37+40.77	RT	7
S.N. 050-0218				
1	957+01.61	958+54.78	RT	7
			TOTAL	21

GUARDRAIL REFLECTORS, TYPE A

STAGE	FROM STATION	TO STATION	LT/RT	EACH
1	33+24.88	35+27.31	LT	9
1	37+17.58	39+16.54	LT	9
2	34+93.24	35+49.04	RT	2
2	37+38.27	38+37.84	RT	4
			TOTAL	24

LINEAR DELINEATOR PANELS, 6 INCH

STAGE	FROM STATION	TO STATION	LT/RT	EACH
S.N. 050-0019				
1	35+24.81	37+19.04	LT	3
2	35+46.54	37+40.77	RT	3
S.N. 050-0218				
1	957+01.61	958+54.78	RT	2
			TOTAL	8

IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW) TEST LEVEL 3

STAGE	STATION	LT/RT	EACH
S.N. 050-0019			
1	33+90.27	RT	1
1	39+01.99	RT	1
S.N. 050-0218			
1	956+92.52	LT	1
1	958+80.01	LT	1
		TOTAL	4

IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE, NARROW) TEST LEVEL 3

STAGE	STATION	LT/RT	EACH
S.N. 050-0019			
2	33+88.23	LT	1
2	38+87.62	LT	1
S.N. 050-0218			
2	956+92.52	LT	1
2	958+80.01	RT	1
		TOTAL	4

MODIFIED URETHANE PAVEMENT MARKING - LINE 4"

FROM STATION	TO STATION	LT/RT	FOOT
S.N. 050-0019			
31+94.00	40+61.44	LT	866.61
31+94.00	34+10.30	RT	216.85
34+91.76	40+61.44	RT	569.86
S.N. 050-0218			
954+14.96	961+62.37	LT/RT	1,494.82
956+90.98	961+62.37	RT	471.39
956+90.98	961+62.37	LT	471.39
		ROUNDED TOTAL	4,092

MODIFIED URETHANE PAVEMENT MARKING - LINE 6"

FROM STATION	TO STATION	LT/RT	FOOT
S.N. 050-0019			
31+94.00	40+61.44	LT/RT	216.86
		ROUNDED TOTAL	220

RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL

FROM STATION	TO STATION	LT/RT	EACH
31+94.00	35+00.00	LT/RT	4
37+64.31	40+61.44	LT/RT	4
		TOTAL	8

REPLACEMENT REFLECTOR

FROM STATION	TO STATION	LT/RT	EACH
31+94.00	35+00.00	LT/RT	4
37+64.31	40+61.44	LT/RT	4
		TOTAL	8

LINEAR DELINEATOR PANELS, 4 INCH

FROM STATION	TO STATION	LT/RT	EACH
33+24.88	35+27.31	LT	8
34+93.24	35+49.04	RT	2
37+17.58	39+16.54	LT	4
37+38.27	38+37.84	RT	2
		TOTAL	16

EARTH EXCAVATION

FROM STATION	TO STATION	LT/RT	VOLUME (CU YD)
S.N. 050-0019			
33+33.57	35+00.00	LT	24.59
33+56.59	35+00.00	RT	21.40
37+64.31	39+17.56	LT	22.70
37+64.31	39+06.99	RT	21.14
S.N. 050-0218			
959+29.02	959+91.54	RT	9.26
ROUNDED TOTAL			100

PAVED SHOULDER REMOVAL

FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
33+33.57	35+00.00	LT	116.33
33+56.59	35+00.00	RT	128.25
37+64.31	39+17.56	LT	136.22
37+64.31	39+06.99	RT	126.83
ROUNDED TOTAL			508

SUBBASE GRANULAR MATERIAL, TYPE B 6"

FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
S.N. 050-0019			
33+33.57	35+00.00	LT	116.33
33+56.59	35+00.00	RT	128.25
37+64.31	39+17.56	LT	136.22
37+64.31	39+06.99	RT	126.83
S.N. 050-0218			
959+29.02	959+91.54	RT	20.84
ROUNDED TOTAL			529

HOT-MIX ASPHALT SHOULDERS, 10"

FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
S.N. 050-0019			
33+33.57	35+00.00	LT	116.33
33+56.59	35+00.00	RT	128.25
37+64.31	39+17.56	LT	136.22
37+64.31	39+06.99	RT	126.83
S.N. 050-0218			
959+29.02	959+91.54	RT	20.84
ROUNDED TOTAL			529

BITUMINOUS MATERIALS (TACK COAT)

FROM STATION	TO STATION	LT/RT	POUND
S.N. 050-0019			
33+33.57	35+00.00	LT	104.70
33+56.59	35+00.00	RT	115.42
37+64.31	39+17.56	LT	122.60
37+64.31	39+06.99	RT	114.14
S.N. 050-0218			
959+29.02	959+91.54	RT	18.76
ROUNDED TOTAL			476

CURB REMOVAL

FROM STATION	TO STATION	LT/RT	FOOT
33+33.57	35+00.00	LT	165.65
37+64.31	39+17.56	LT	153.25
ROUNDED TOTAL			319

HOT-MIX ASPHALT SHOULDER CURB

FROM STATION	TO STATION	LT/RT	FOOT
33+33.57	35+00.00	LT	165.65
37+64.31	39+17.56	LT	153.25
ROUNDED TOTAL			319

SIGN PANEL - TYPE 1

FROM STATION	LT/RT	TYPE	AREA (SQ FT)
35+00.00	LT	D1-1	7.50
958+73.54	LT	I1-I100	7.00
ROUNDED TOTAL			15

REMOVE SIGN PANEL ASSEMBLY - TYPE A

FROM STATION	LT/RT	EACH
35+00.00	LT	1
958+73.54	LT	1
TOTAL		2

REMOVE AND RELOCATE SIGN PANEL - TYPE 2

FROM STATION	LT/RT	AREA (SQ FT)
958+73.54	LT	10.50
ROUNDED TOTAL		11

WOOD SIGN SUPPORT

FROM STATION	LT/RT	FOOT
35+00.00	LT	28.00
958+73.54	LT	32.00
ROUNDED TOTAL		60

MODEL: Schedule of Quantities-1 [Sheet]
FILE NAME: E:\2422-3\CADD_Sheets\ID366R64-sht-schedules.dgn

LIN ENGINEERING,LTD.
Consulting Engineers
Westmont, Illinois

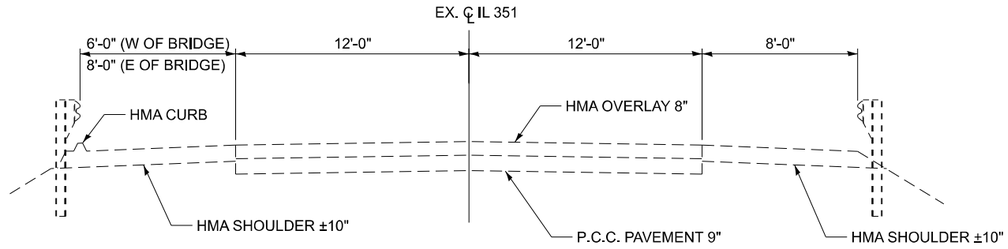
USER NAME = cbarh	DESIGNED - NH	REVISED -	
	DRAWN - CB	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - RC	REVISED -	
PLOT DATE = 1/26/2026	DATE - 1/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 351/71 OVER LONE STAR CEMENT RAILROAD
SCHEDULE OF QUANTITIES

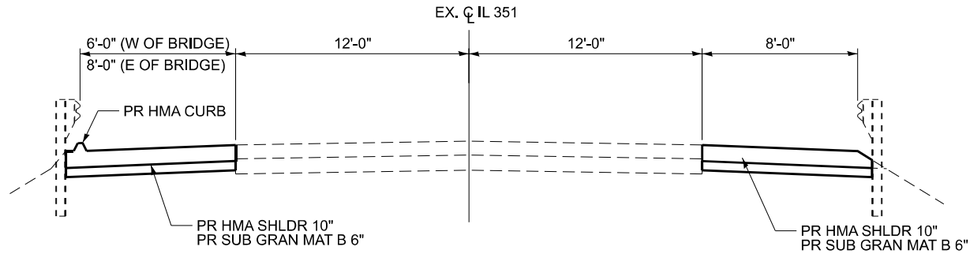
SCALE: N.T.S. | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR & (70-VBR-1)BRR	LASALLE	45	8
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		



EXISITNG TYPICAL SECTION

STRUCTURE NO. 050-0019
STA. 33+00 TO STA. 35+15
STRUCTURE OMISSION STA. 35+15 TO STA. 37+51
ST. 37+51 TO STA. 40+00



PROPOSED TYPICAL SECTION

STRUCTURE NO. 050-0019
STA. 33+00 TO STA. 35+15
STRUCTURE OMISSION STA. 35+15 TO STA. 37+51
ST. 37+51 TO STA. 40+00

NOTE: SEE SCHEDULES FOR LOCATION(S) OF SHOULDER RECONSTRUCTION

MODEL: ####
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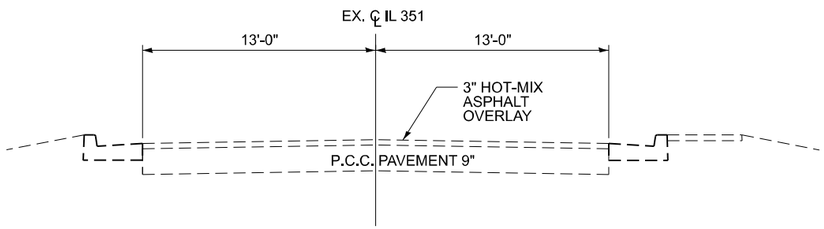
USER NAME = cbarh	DESIGNED - RW	REVISED -	
	DRAWN - RW	REVISED -	
	CHECKED - YP	REVISED -	
PLOT DATE = 1/29/2026	DATE - 10/20/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 351/71 OVER LONE STAR CEMENT RAILROAD
S.N. 050-0019 TYPICAL SECTIONS

SCALE: N.T.S. | SHEET 1 OF 2 SHEETS | STA. | TO STA.

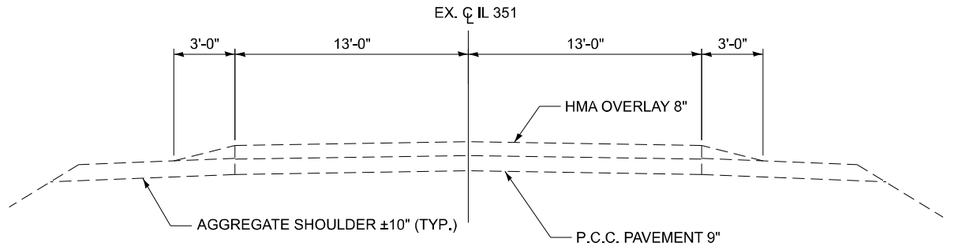
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR & (70-VBR-1)BRR	LASALLE	45	9
		CONTRACT NO. 66R64		
		ILLINOIS	FED. AID PROJECT	



EXISTING TYPICAL SECTION

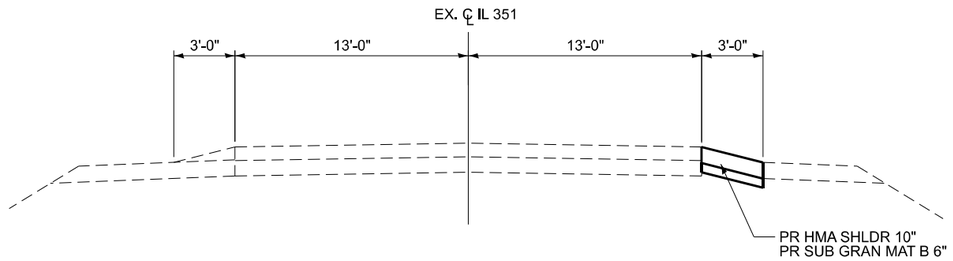
STRUCTURE NO. 050-0218
STA. 953+65 TO STA. 956+65

STRUCTURE OMISSION
STA. 956+65 TO STA. 959+06



EXISTING TYPICAL SECTION

STRUCTURE NO. 050-0218
STA. 959+06 TO STA. 962+00



NOTE: SEE SCHEDULES FOR LOCATION(S) OF SHOULDER RECONSTRUCTION

PROPOSED TYPICAL SECTION

STRUCTURE NO. 050-0218
STA. 959+06 TO STA. 962+00

MODEL: ####
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USER NAME = cbarh	DESIGNED - RW	REVISED -	
	DRAWN - RW	REVISED -	
	CHECKED - YP	REVISED -	
PLOT DATE = 1/29/2026	DATE - 10/20/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 351/71 OVER LONE STAR CEMENT RAILROAD
S.N. 050-0218 TYPICAL SECTIONS

SCALE: N.T.S. | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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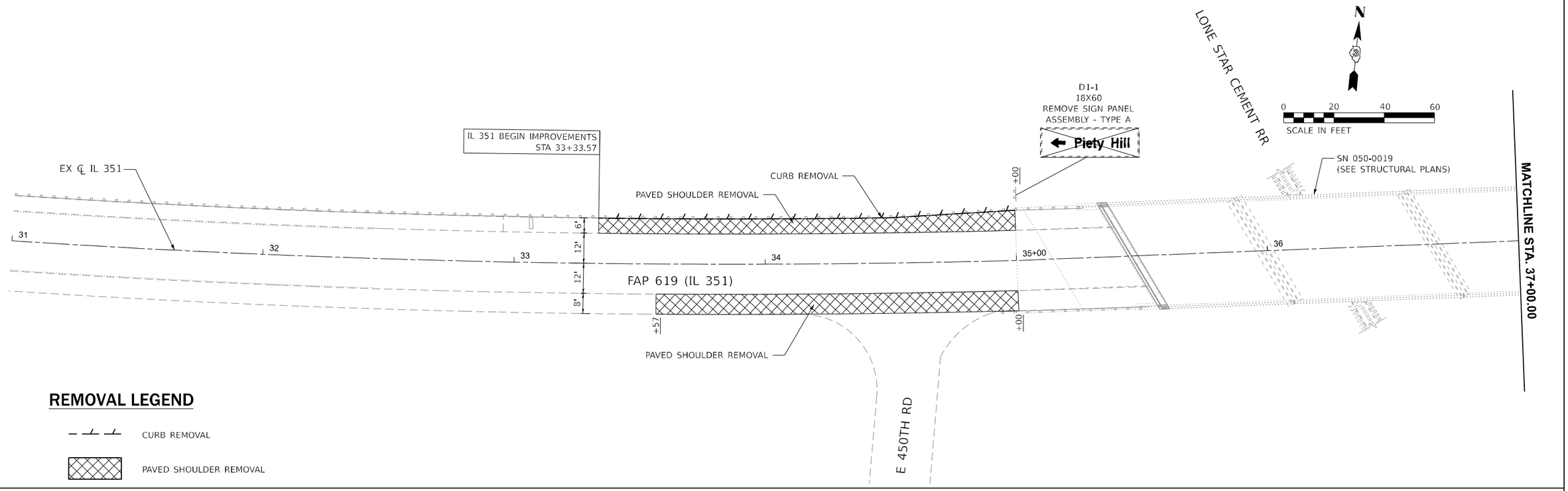
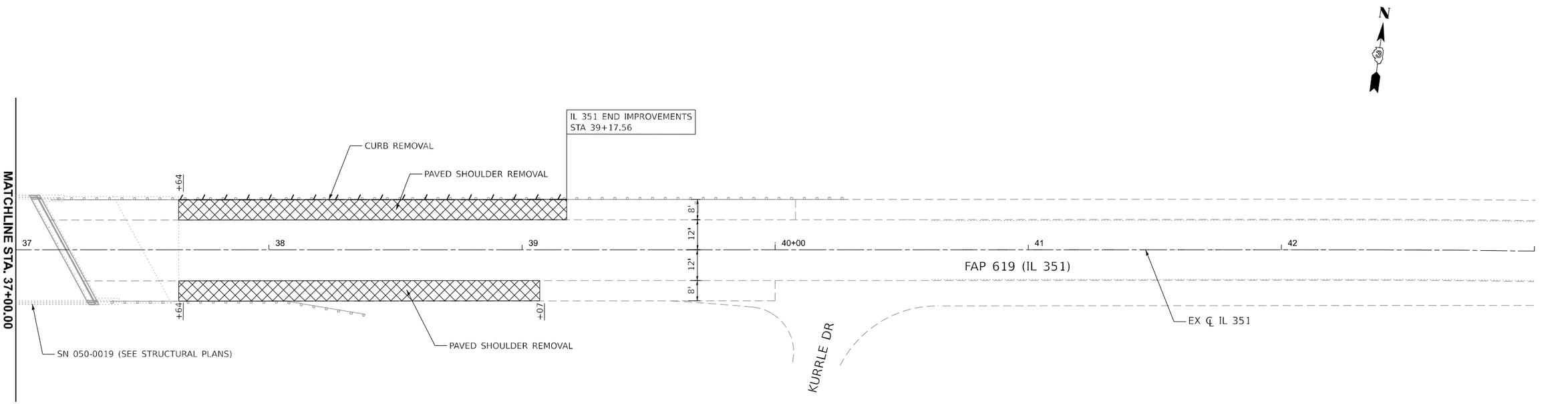
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		



REMOVAL LEGEND

CURB REMOVAL

PAVED SHOULDER REMOVAL



MODEL: ExCL - Removal 1 [Sheet]
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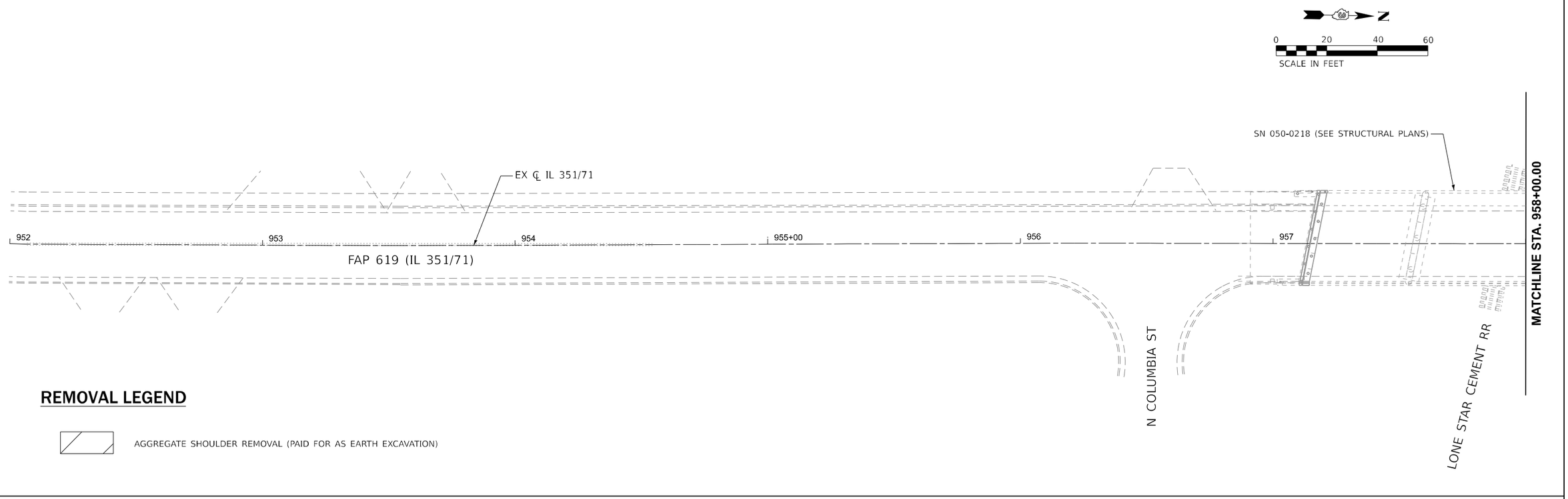
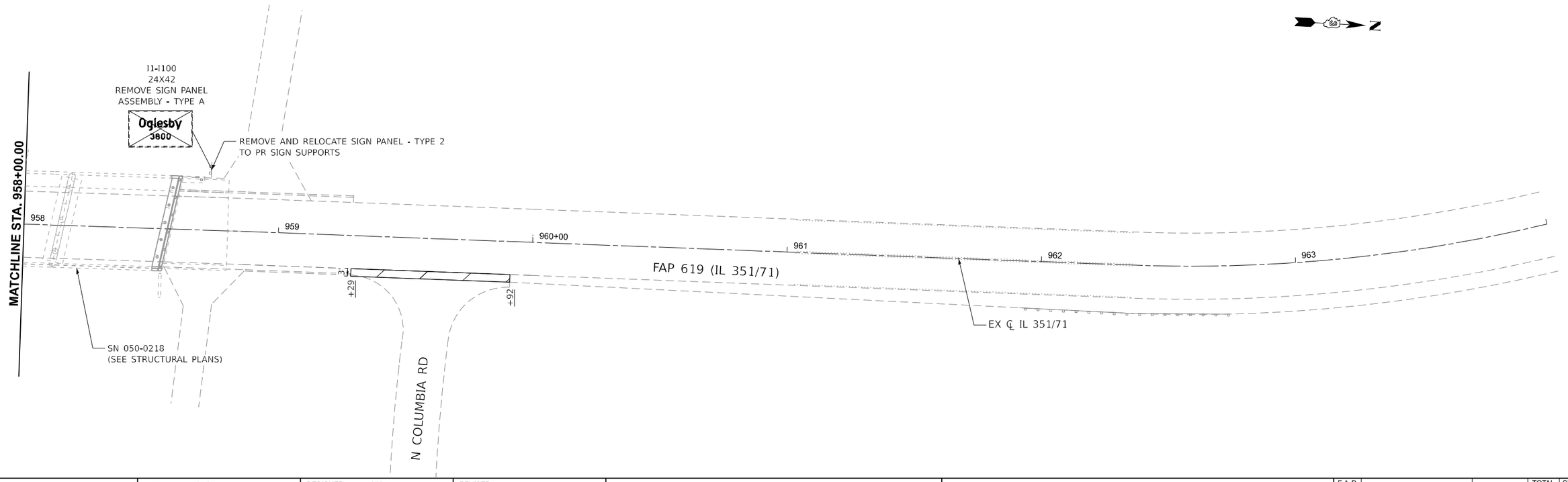
LIN ENGINEERING,LTD. Consulting Engineers Westmont, Illinois	USER NAME = 14nho	DESIGNED - NH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 351/71 OVER LONE STAR CEMENT RAILROAD REMOVAL PLAN
		DRAWN - NH	REVISED -		
	PLOT SCALE = 0.16666633 ' / In.	CHECKED - RC	REVISED -		
	PLOT DATE = 1/30/2026	DATE - 1/2026	REVISED -		SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. 33+33.57 TO STA. 39+17.56

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR & (70-VBR-1)BRR	LASALLE	45	11
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		



REMOVAL LEGEND

AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)



MODEL: ExCL1 - Plan 1 [Sheet]
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LIN ENGINEERING,LTD. Consulting Engineers Westmont, Illinois	USER NAME = cbarh	DESIGNED - NH	REVISED -
		DRAWN - NH	REVISED -
	PLOT SCALE = 0.16666633 ' / In.	CHECKED - RC	REVISED -
	PLOT DATE = 1/29/2026	DATE - 1/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 351/71 OVER LONE STAR CEMENT RAILROAD
REMOVAL PLAN

SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. 959+29.02 | TO STA. 959+91.54

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR & (70-VBR-1)BRR	LASALLE	45	12
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. MAINTENANCE OF TRAFFIC PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING THE EXECUTION OF THIS CONTRACT. THE CONTRACTOR MAY MODIFY THE MAINTENANCE OF TRAFFIC PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
2. TEMPORARY PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR ANY SHORT TERM PAVEMENT MARKINGS ON FINAL SURFACES.
3. ALL TRAFFIC CONTROL DEVICES SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED AS SPECIFIED IN THE TRAFFIC CONTROL SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.
4. SEE STRUCTURAL PLANS FOR BRIDGE REPAIR INFORMATION.
5. ALL EXISTING AND TEMPORARY PAVEMENT MARKINGS FROM PRIOR STAGES THAT ARE IN CONFLICT SHALL BE REMOVED.
6. EXISTING RAISED REFLECTIVE PAVEMENT MARKER REFLECTORS THAT CONFLICT WITH THE REVISED TRAFFIC PATTERNS, SHALL BE REMOVED FROM THE EXISTING CASINGS LOCATED IN THE PAVEMENT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL.

SUGGESTED SEQUENCE OF OPERATIONS

PRE-STAGE

1. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES, TEMPORARY SIGNAGE & TEMPORARY PAVEMENT MARKINGS TO CLOSE THE WB & EB IL 351/71 OUTSIDE SHOULDER AT S.N. 050-0019 AND THE NB OUTSIDE SHOULDER & N COLUMBIA RD AT S.N. 050-0218 UTILIZING APPLICABLE HIGHWAY STANDARDS. WORK SHALL BE PERFORMED ON ONE SIDE OF THE ROAD AT A TIME.
2. REMOVE PAVED SHOULDER ALONG THE OUTSIDE OF NB, WB & EB IL 351/71 AS SHOWN IN THE REMOVAL PLANS. WORK SHALL BE PERFORMED ON ONE SIDE OF THE ROAD AT A TIME.
3. CONSTRUCT PROPOSED HMA SHOULDER ALONG THE OUTSIDE OF NB, WB & EB IL 351/71 AT LOCATIONS SHOWN IN THE ROADWAY PLANS. WORK SHALL BE PERFORMED ON ONE SIDE OF THE ROAD AT A TIME.

STAGE 1

1. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES, TEMPORARY SIGNAGE, TEMPORARY CONCRETE BARRIER WALL AND DELINEATION, TEMPORARY IMPACT ATTENUATORS & TEMPORARY PAVEMENT MARKINGS TO CLOSE THE EB LANE OF IL 351 AT SN 050-0019 AND THE SB LANE OF IL 351/71 AS WELL AS THE WEST SIDEWALK AT SN 050-0218 AS SHOWN IN THE STAGE 1 STAGING PLANS OR AS DIRECTED BY THE ENGINEER AND ACTIVATE TEMPORARY BRIDGE SIGNALS.
2. INSTALL PROTECTIVE SHIELDING AT LOCATIONS SHOWN ON THE STRUCTURAL PLANS.
3. PERFORM THE STAGE 1 PORTION OF THE STRUCTURE REPAIRS AS SHOWN ON THE STRUCTURE PLANS.

STAGE 2

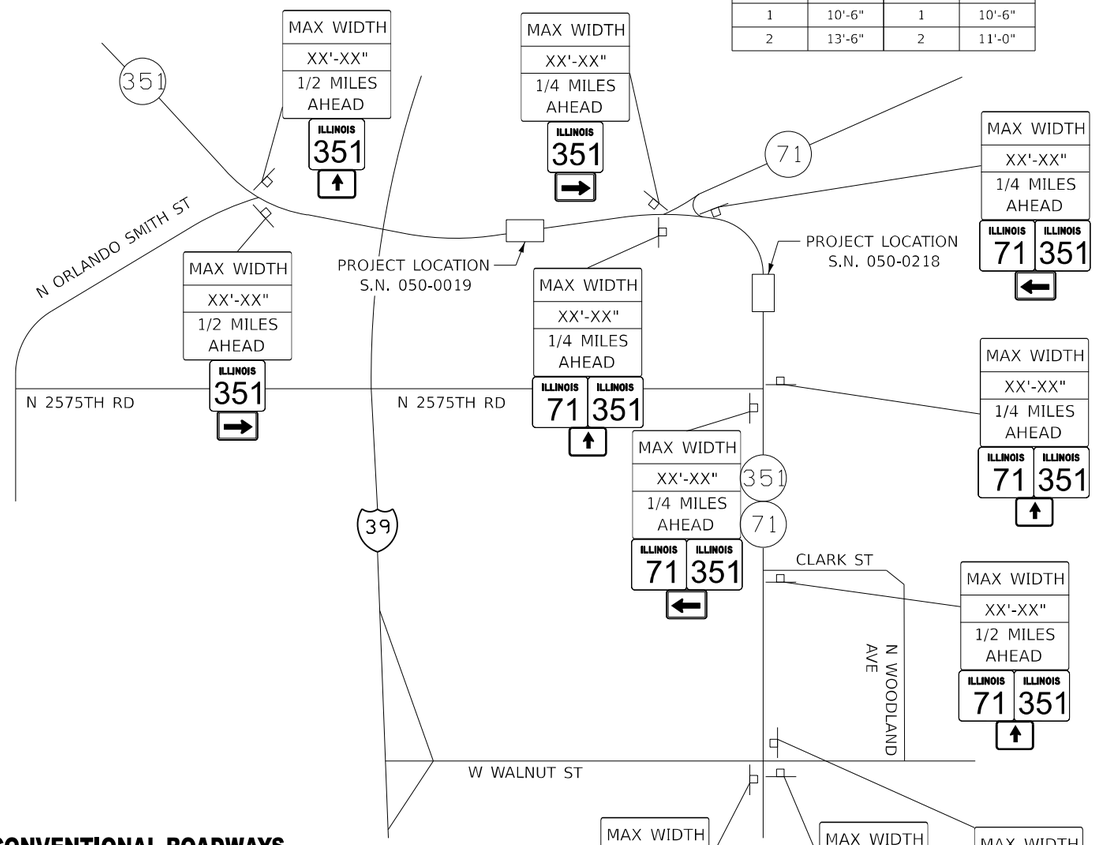
1. RELOCATE TEMPORARY CONCRETE BARRIER, TEMPORARY IMPACT ATTENUATORS & PLACE TEMPORARY PAVEMENT MARKINGS TO CLOSE THE WB LANE OF IL 351 AT SN 050-0019 AND THE NB LANE OF IL 351/71 AT SN 050-0218 AS SHOWN IN THE STAGE 2 STAGING PLANS OR AS DIRECTED BY THE ENGINEER AND ACTIVATE TEMPORARY BRIDGE SIGNALS.
2. PERFORM THE STAGE 2 PORTION OF THE STRUCTURE REPAIRS AS SHOWN ON THE STRUCTURE PLANS.

POST-STAGE

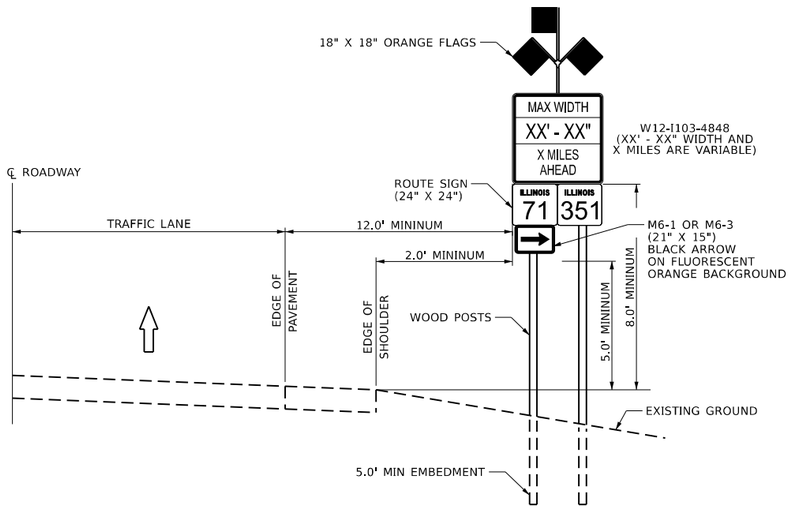
1. REMOVE PROTECTIVE SHIELDING AT LOCATIONS SHOWN ON THE STRUCTURAL PLANS.
2. UTILIZE HIGHWAY STANDARDS 701301 & 701311 TO PLACE FINAL PAVEMENT MARKINGS.

WIDTH RESTRICTION SIGNING DETAIL

S.N. 050-0019 SIGN VALUES		S.N. 050-0218 SIGN VALUES	
STAGE	DIMENSION	STAGE	DIMENSION
1	10'-6"	1	10'-6"
2	13'-6"	2	11'-0"



WIDTH RESTRICTION SIGN CONVENTIONAL ROADWAYS



MODEL: General Notes [Sheet]
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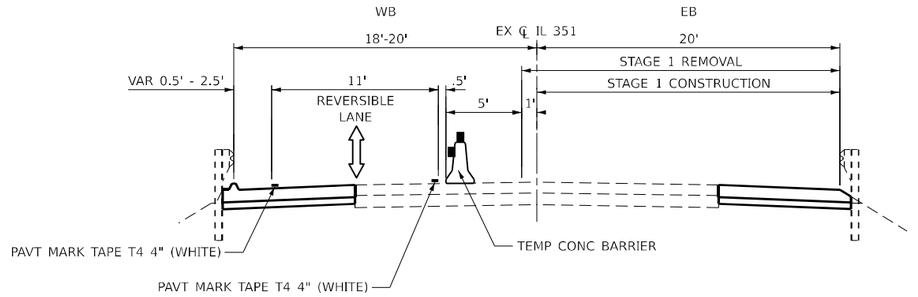
LIN ENGINEERING,LTD. Consulting Engineers Westmont, Illinois	USER NAME = 14nho	DESIGNED - NH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - NH	REVISED -	
	PLOT SCALE = 0.1666633 ' / In.	CHECKED - RC	REVISED -	
	PLOT DATE = 1/26/2026	DATE - 1/2026	REVISED -	

IL 351/71 OVER LONE STAR CEMENT RAILROAD
STAGING GENERAL NOTES & SUGGESTED SEQUENCE

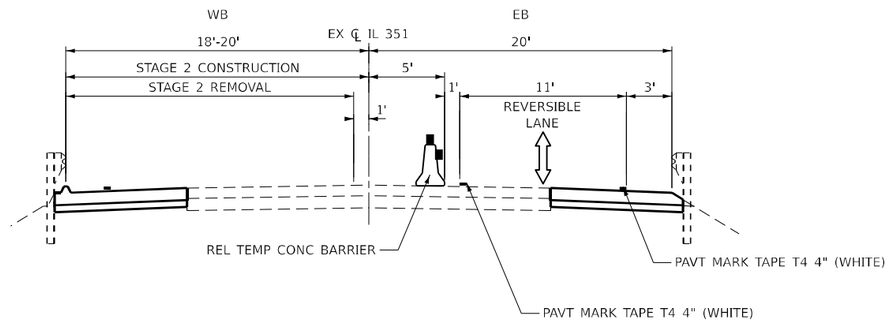
SCALE: N.T.S. | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR & (70-VBR-1)BRR	LASALLE	45	13
		CONTRACT NO. 66R64		
		ILLINOIS	FED. AID PROJECT	



S.N. 050-0019 STAGE 1 TYPICAL SECTION

IL RTE 351 OVER LONE STAR CEMENT RAILROAD
LOOKING EAST



S.N. 050-0019 STAGE 2 TYPICAL SECTION

IL RTE 351 OVER LONE STAR CEMENT RAILROAD
LOOKING EAST

MODEL: Staging Typicals [Sheet]
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Westmont, Illinois

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	DRAWN - CB	REVISED -	
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PLOT DATE = 1/28/2026	DATE - 1/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

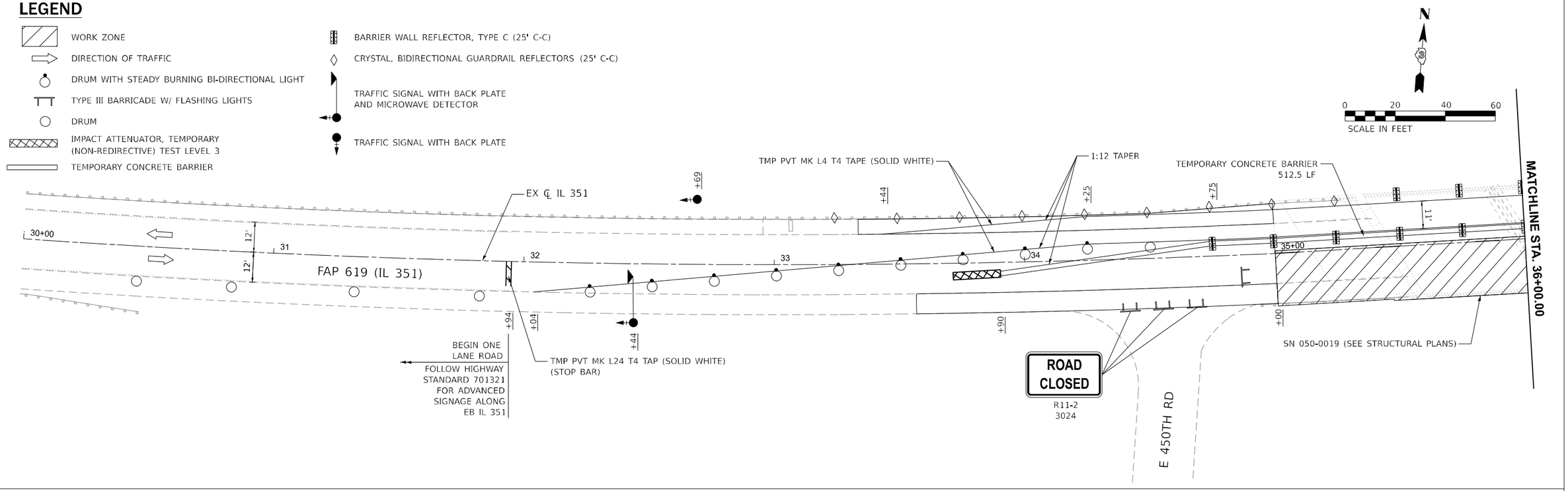
IL 351/71 OVER LONE STAR CEMENT RAILROAD
STAGING TYPICAL SECTIONS

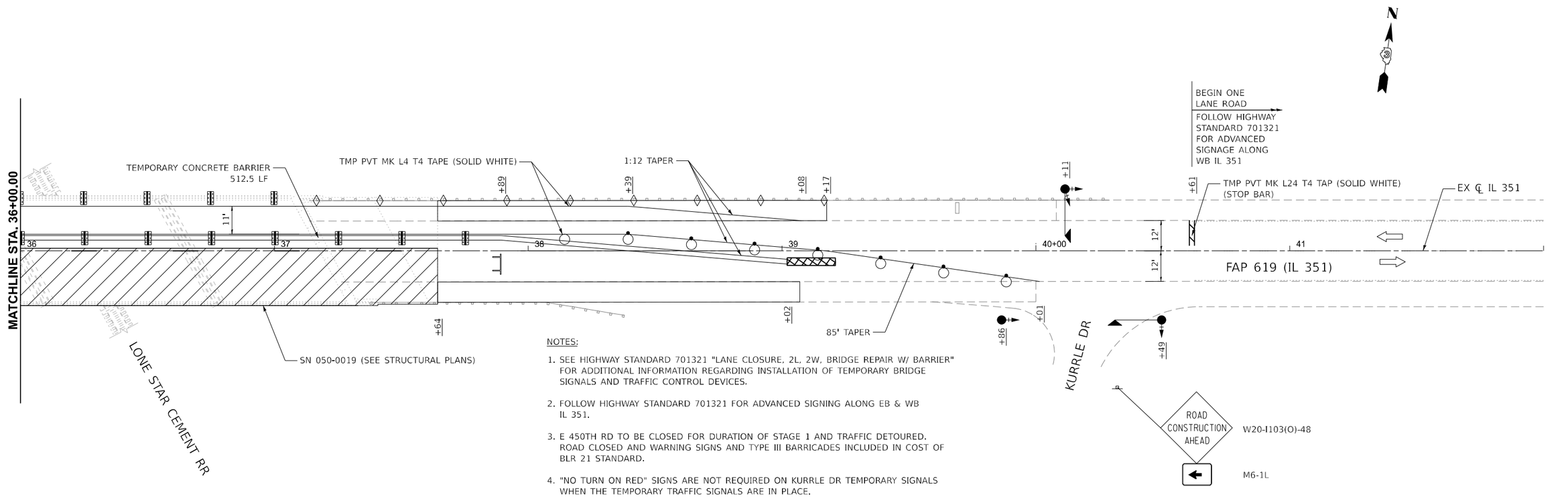
SCALE: N.T.S. | SHEET 2 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR & (70-VBR-1)BRR	LASALLE	45	14
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TYPE III BARRICADE W/ FLASHING LIGHTS
- DRUM
- IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
- TEMPORARY CONCRETE BARRIER
- BARRIER WALL REFLECTOR, TYPE C (25' C-C)
- CRYSTAL, BIDIRECTIONAL GUARDRAIL REFLECTORS (25' C-C)
- TRAFFIC SIGNAL WITH BACK PLATE AND MICROWAVE DETECTOR
- TRAFFIC SIGNAL WITH BACK PLATE





NOTES:

1. SEE HIGHWAY STANDARD 701321 "LANE CLOSURE, 2L, 2W, BRIDGE REPAIR W/ BARRIER" FOR ADDITIONAL INFORMATION REGARDING INSTALLATION OF TEMPORARY BRIDGE SIGNALS AND TRAFFIC CONTROL DEVICES.
2. FOLLOW HIGHWAY STANDARD 701321 FOR ADVANCED SIGNING ALONG EB & WB IL 351.
3. E 450TH RD TO BE CLOSED FOR DURATION OF STAGE 1 AND TRAFFIC DETOURED. ROAD CLOSED AND WARNING SIGNS AND TYPE III BARRICADES INCLUDED IN COST OF BLR 21 STANDARD.
4. "NO TURN ON RED" SIGNS ARE NOT REQUIRED ON KURRLE DR TEMPORARY SIGNALS WHEN THE TEMPORARY TRAFFIC SIGNALS ARE IN PLACE.

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PLOT SCALE = 0.16666633 ' / In.	CHECKED - RC	REVISED -	
PLOT DATE = 1/29/2026	DATE - 1/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 351/71 OVER LONE STAR CEMENT RAILROAD
SN 050-0019 STAGING PLAN - STAGE I

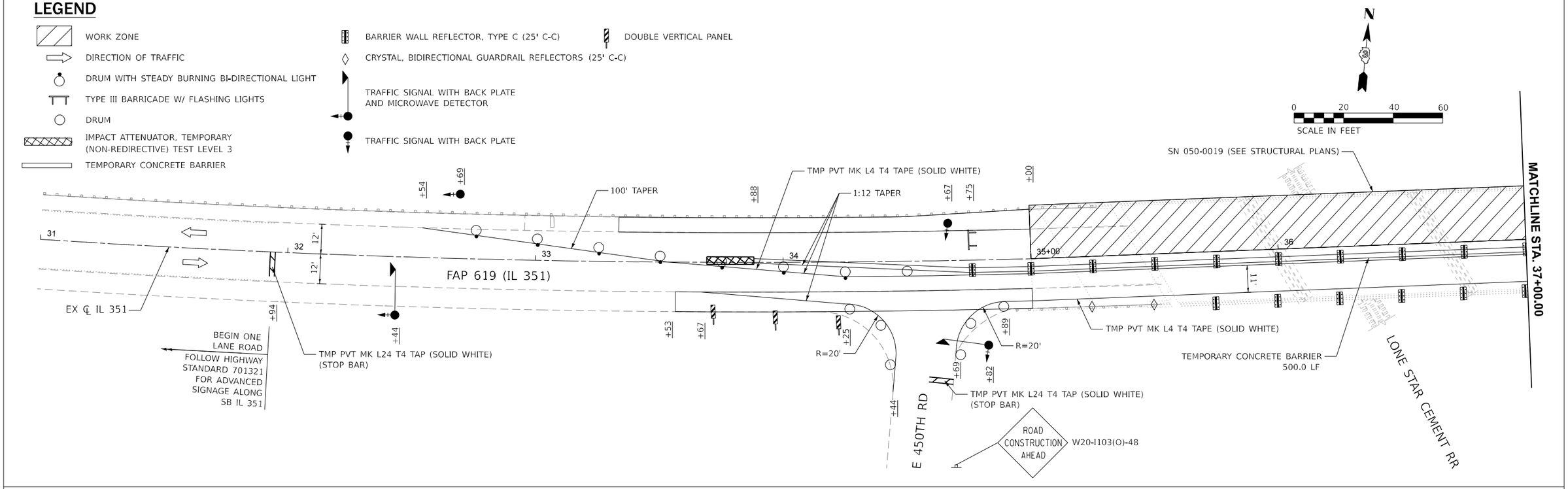
SCALE: 1"=20' | SHEET 3 OF 7 SHEETS | STA. 32+94.02 | TO STA. 40+61.44

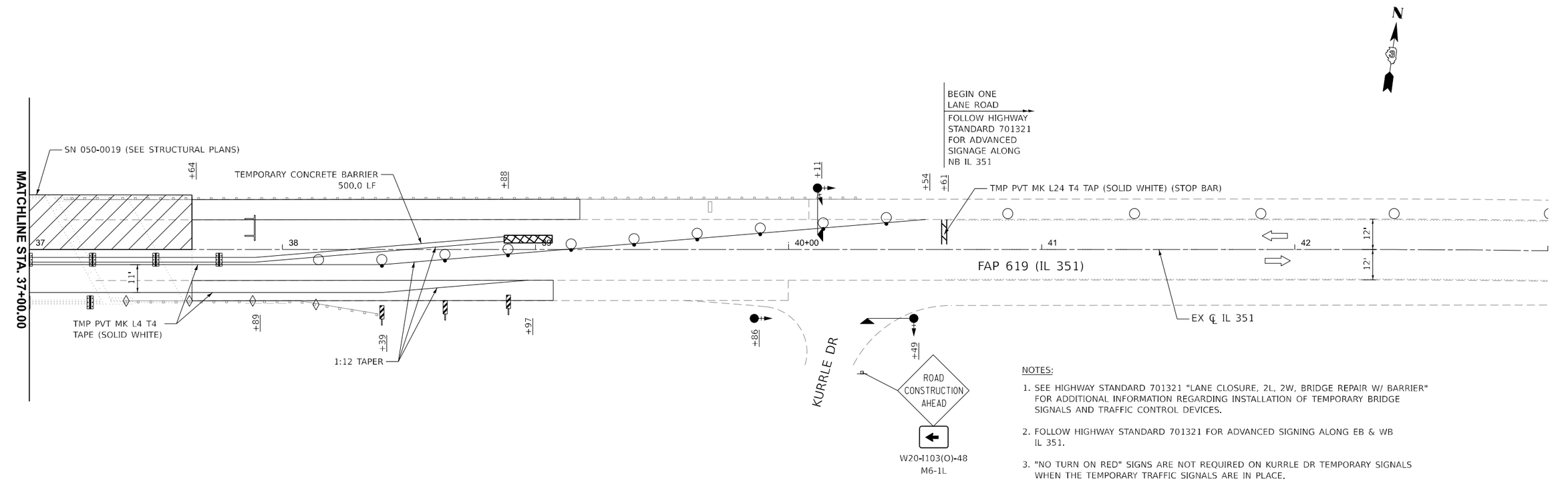
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR & (70-VBR-1)BRR	LASALLE	45	15
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		

MODEL: ExCL - Plan 1 [Sheet]
FILE NAME: E:\2422-3\CADD_Sheets\D366R64-sht-Staging-050-0019-Stage1.dgn

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TYPE III BARRICADE W/ FLASHING LIGHTS
- DRUM
- IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
- TEMPORARY CONCRETE BARRIER
- BARRIER WALL REFLECTOR, TYPE C (25' C-C)
- CRYSTAL, BIDIRECTIONAL GUARDRAIL REFLECTORS (25' C-C)
- TRAFFIC SIGNAL WITH BACK PLATE AND MICROWAVE DETECTOR
- TRAFFIC SIGNAL WITH BACK PLATE
- DOUBLE VERTICAL PANEL





NOTES:

1. SEE HIGHWAY STANDARD 701321 "LANE CLOSURE, 2L, 2W, BRIDGE REPAIR W/ BARRIER" FOR ADDITIONAL INFORMATION REGARDING INSTALLATION OF TEMPORARY BRIDGE SIGNALS AND TRAFFIC CONTROL DEVICES.
2. FOLLOW HIGHWAY STANDARD 701321 FOR ADVANCED SIGNING ALONG EB & WB IL 351.
3. "NO TURN ON RED" SIGNS ARE NOT REQUIRED ON KURRLE DR TEMPORARY SIGNALS WHEN THE TEMPORARY TRAFFIC SIGNALS ARE IN PLACE.

MODEL: ExCL - Plan 1 [Sheet]
FILE NAME: E:\2422-3\CADD_Sheets\D366R64-sht-Staging-050-0019-Stage2.dgn

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Consulting Engineers
Westmont, Illinois

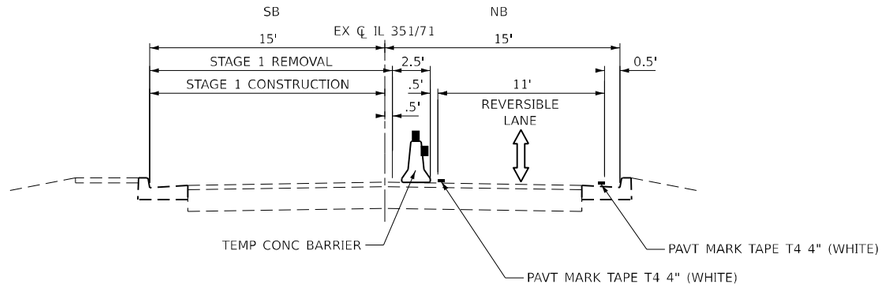
USER NAME = cbarh	DESIGNED - NH	REVISED -	
	DRAWN - NH	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - RC	REVISED -	
PLOT DATE = 1/29/2026	DATE - 1/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 351/71 OVER LONE STAR CEMENT RAILROAD
SN 050-0019 STAGING PLAN - STAGE II

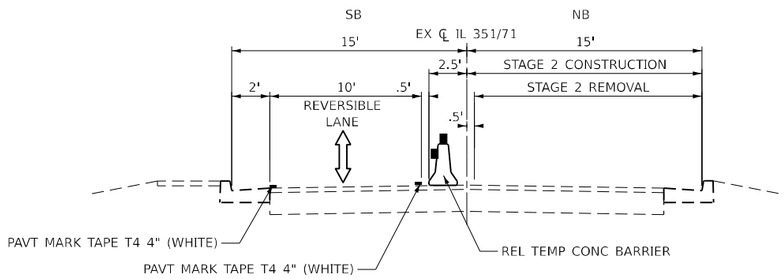
SCALE: 1"=20' | SHEET 4 OF 7 SHEETS | STA. 32+94.02 TO STA. 40+61.44

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR & (70-VBR-1)BRR	LASALLE	45	16
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		



S.N. 050-0218 STAGE 1 TYPICAL SECTION

IL RTE 351/71 OVER LONE STAR CEMENT RAILROAD
LOOKING NORTH



S.N. 050-0218 STAGE 2 TYPICAL SECTION

IL RTE 351/71 OVER LONE STAR CEMENT RAILROAD
LOOKING NORTH

MODEL: Staging Typicals-1 [Sheet]
FILE NAME: E:\2422-3\CADD_Sheets\D366R64-sht-stagingtyp.dgn

LIN ENGINEERING,LTD.
Consulting Engineers
Westmont, Illinois

USER NAME = 14nho	DESIGNED - NH	REVISED -	
	DRAWN - CB	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - RC	REVISED -	
PLOT DATE = 11/13/2025	DATE - 1/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 351/71 OVER LONE STAR CEMENT RAILROAD
STAGING TYPICAL SECTIONS

SCALE: N.T.S. | SHEET 5 OF 7 SHEETS | STA. | TO STA.

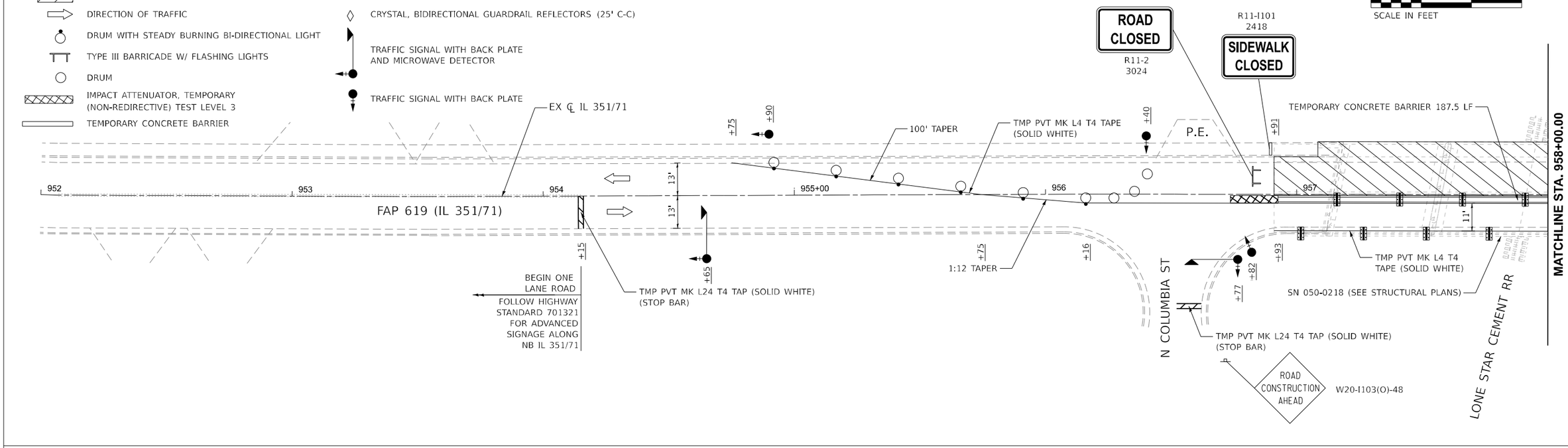
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR & (70-VBR-1)BRR	LASALLE	45	17
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		

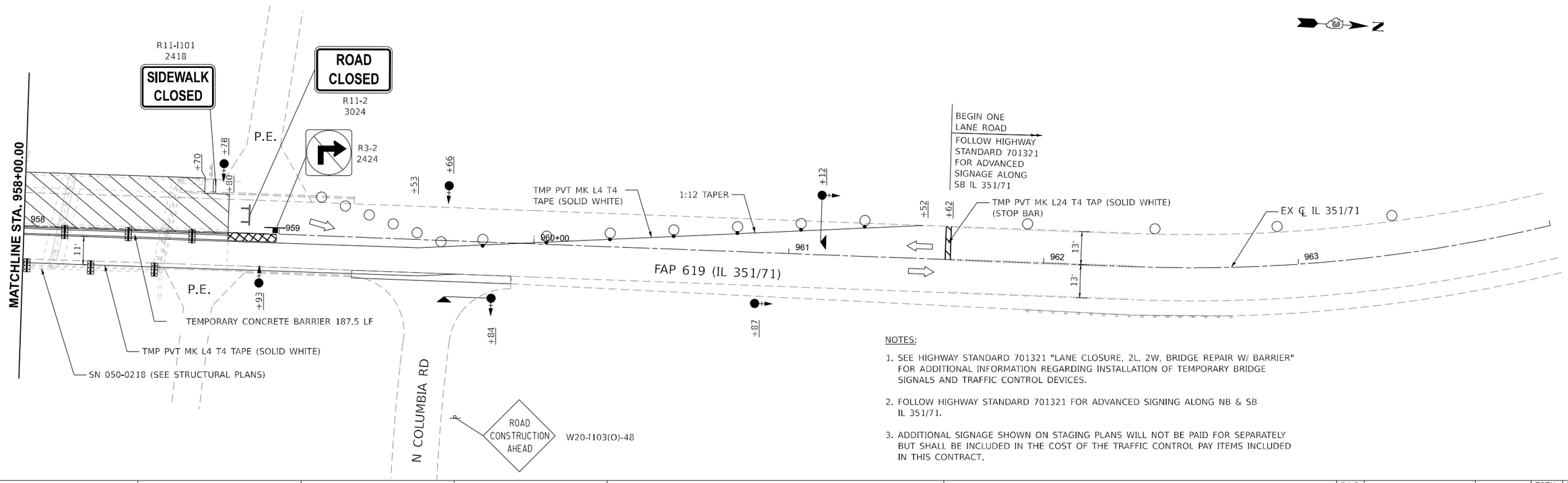
LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TYPE III BARRICADE W/ FLASHING LIGHTS
- DRUM
- IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
- TEMPORARY CONCRETE BARRIER
- BARRIER WALL REFLECTOR, TYPE C (25' C-C)
- CRYSTAL, BIDIRECTIONAL GUARDRAIL REFLECTORS (25' C-C)
- TRAFFIC SIGNAL WITH BACK PLATE AND MICROWAVE DETECTOR
- TRAFFIC SIGNAL WITH BACK PLATE

N

0 20 40 60
SCALE IN FEET





NOTES:

1. SEE HIGHWAY STANDARD 701321 "LANE CLOSURE, 2L, 2W, BRIDGE REPAIR W/ BARRIER" FOR ADDITIONAL INFORMATION REGARDING INSTALLATION OF TEMPORARY BRIDGE SIGNALS AND TRAFFIC CONTROL DEVICES.
2. FOLLOW HIGHWAY STANDARD 701321 FOR ADVANCED SIGNING ALONG NB & SB IL 351/71.
3. ADDITIONAL SIGNAGE SHOWN ON STAGING PLANS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL PAY ITEMS INCLUDED IN THIS CONTRACT.

MODEL: ExCL1 - Plan 1 [Sheet]
FILE NAME: E:\2422-3\CADD_Sheets\D366R64-sht-Staging-050-0218-Stage1.dgn

LIN ENGINEERING,LTD.
Consulting Engineers
Westmont, Illinois

USER NAME = 14nho	DESIGNED - NH	REVISED -
	DRAWN - NH	REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED - RC	REVISED -
PLOT DATE = 1/30/2026	DATE - 1/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 351/71 OVER LONE STAR CEMENT RAILROAD
SN 050-0218 STAGING PLAN - STAGE I

SCALE: 1"=20' | SHEET 6 OF 7 SHEETS | STA. 954+14.96 | TO STA. 961+62.37

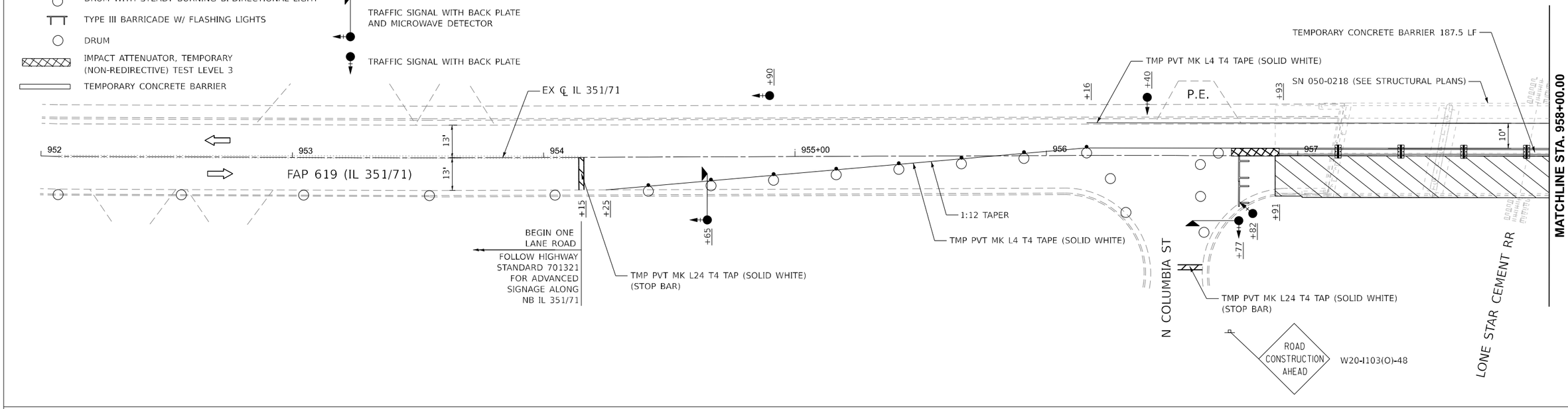
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR & (70-VBR-1)BRR	LASALLE	45	18
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		

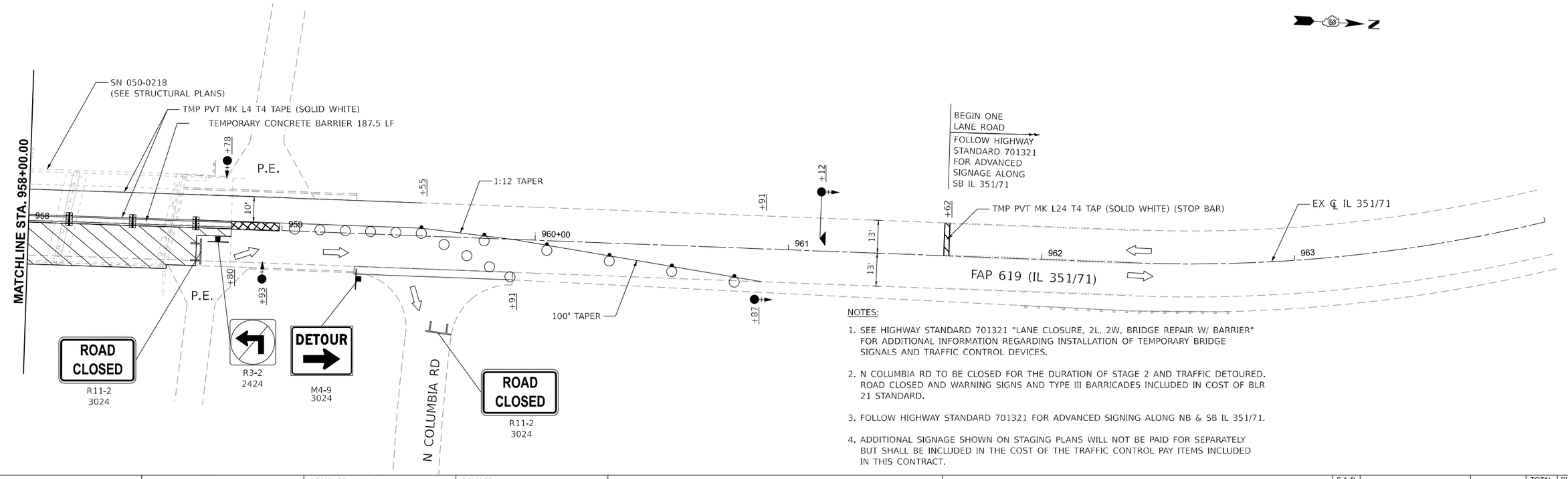
LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TYPE III BARRICADE W/ FLASHING LIGHTS
- DRUM
- IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
- TEMPORARY CONCRETE BARRIER
- BARRIER WALL REFLECTOR, TYPE C (25' C-C)
- CRYSTAL, BIDIRECTIONAL GUARDRAIL REFLECTORS (25' C-C)
- TRAFFIC SIGNAL WITH BACK PLATE AND MICROWAVE DETECTOR
- TRAFFIC SIGNAL WITH BACK PLATE

N

0 20 40 60
SCALE IN FEET





NOTES:

1. SEE HIGHWAY STANDARD 701321 "LANE CLOSURE, 2L, 2W, BRIDGE REPAIR W/ BARRIER" FOR ADDITIONAL INFORMATION REGARDING INSTALLATION OF TEMPORARY BRIDGE SIGNALS AND TRAFFIC CONTROL DEVICES.
2. N COLUMBIA RD TO BE CLOSED FOR THE DURATION OF STAGE 2 AND TRAFFIC DETOURED. ROAD CLOSED AND WARNING SIGNS AND TYPE III BARRICADES INCLUDED IN COST OF BLR 21 STANDARD.
3. FOLLOW HIGHWAY STANDARD 701321 FOR ADVANCED SIGNING ALONG NB & SB IL 351/71.
4. ADDITIONAL SIGNAGE SHOWN ON STAGING PLANS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL PAY ITEMS INCLUDED IN THIS CONTRACT.

MODEL: ExCL1 - Plan 1 [Sheet]
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LIN ENGINEERING,LTD.
Consulting Engineers
Westmont, Illinois

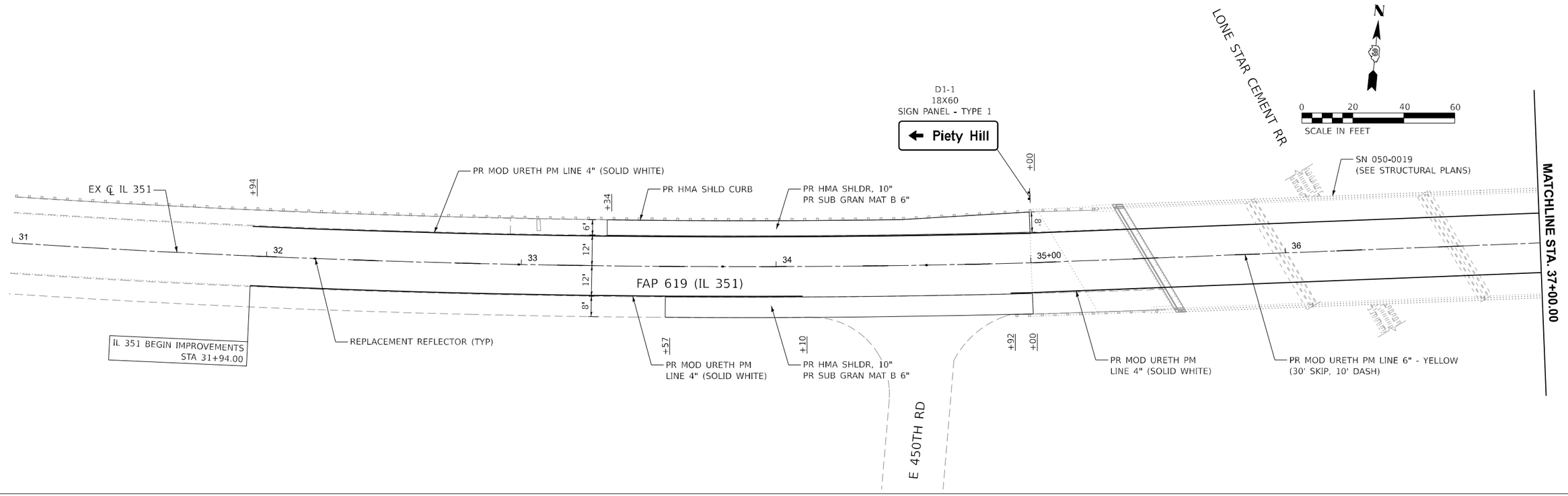
USER NAME = 14nho	DESIGNED - NH	REVISED -	
	DRAWN - NH	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - RC	REVISED -	
PLOT DATE = 1/30/2026	DATE - 1/2026	REVISED -	

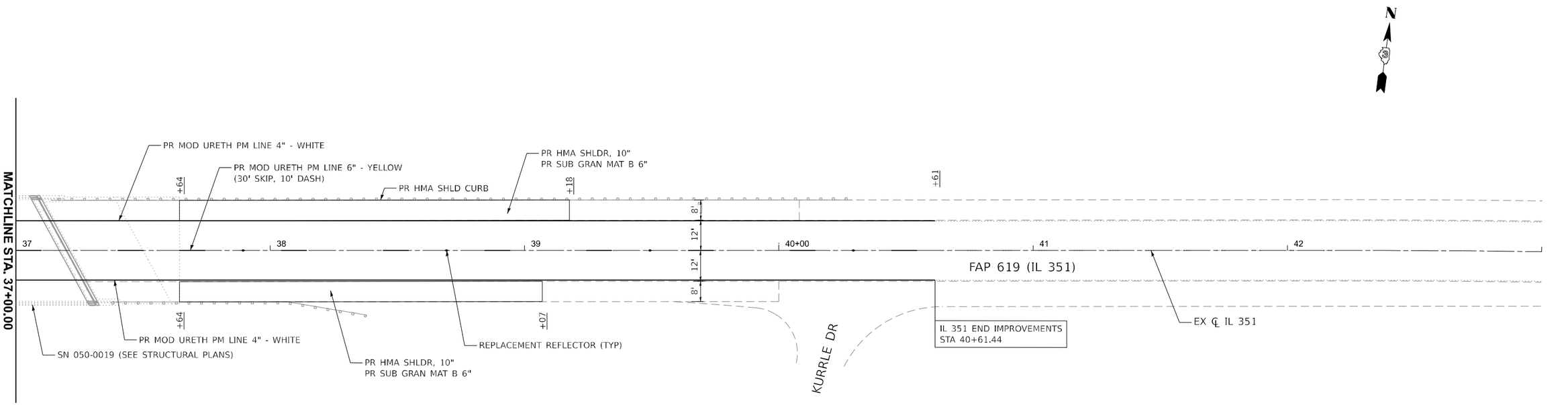
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 351/71 OVER LONE STAR CEMENT RAILROAD
SN 050-0218 STAGING PLAN - STAGE II

SCALE: 1"=20' | SHEET 7 OF 7 SHEETS | STA. 954+14.96 | TO STA. 961+62.37

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR & (70-VBR-1)BRR	LASALLE	45	19
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		





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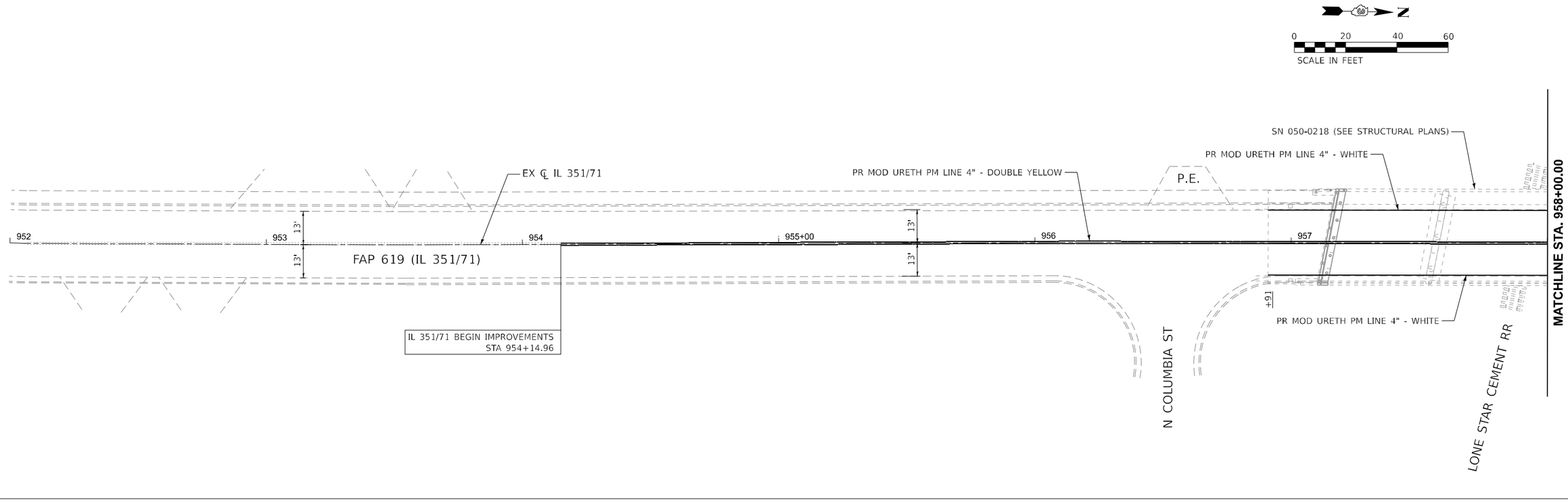
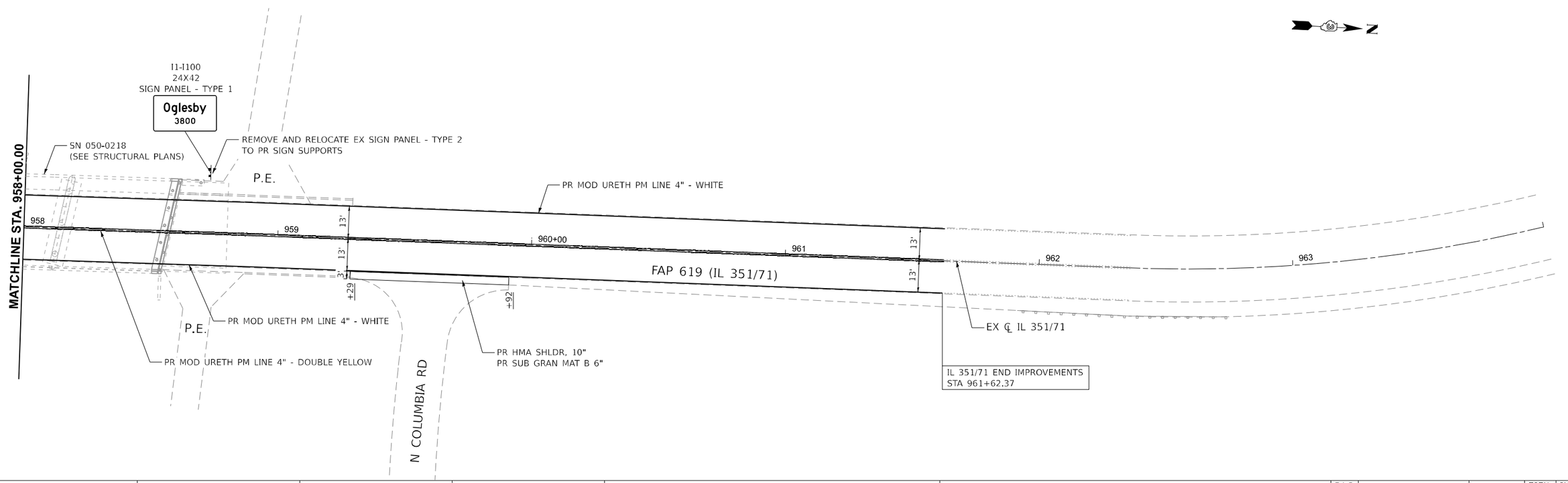
FILE NAME: E:\2422-3\CADD_Sheets\D366R64-sht-Plan-01.dgn

LIN ENGINEERING,LTD. Consulting Engineers Westmont, Illinois	USER NAME = cbarh	DESIGNED - NH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 351/71 OVER LONE STAR CEMENT RAILROAD SN 050-0019 ROADWAY PLAN
		DRAWN - NH	REVISED -		
	PLOT SCALE = 0.16666633 ' / In.	CHECKED - RC	REVISED -		
	PLOT DATE = 1/29/2026	DATE - 1/2026	REVISED -		SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. 31+94.00 TO STA. 40+61.44

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR & (70-VBR-1)BRR	LASALLE	45	20
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		





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LIN ENGINEERING,LTD.
Consulting Engineers
Westmont, Illinois

USER NAME = 14nho	DESIGNED - NH	REVISED -	
	DRAWN - NH	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - RC	REVISED -	
PLOT DATE = 1/28/2026	DATE - 1/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 351/71 OVER LONE STAR CEMENT RAILROAD
SN 050-0218 ROADWAY PLAN

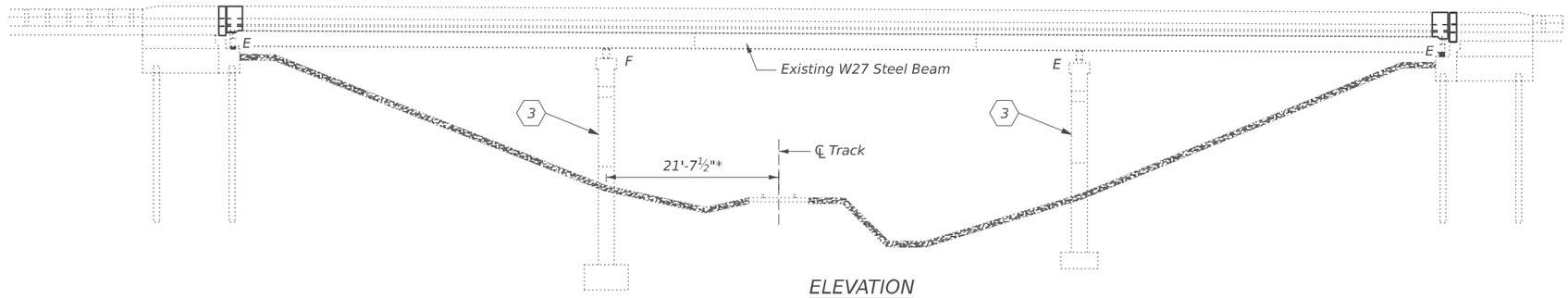
SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. 954+14.96 | TO STA. 961+62.37

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR & (70-VBR-1)BRR	LASALLE	45	21
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		

Existing Structure: S.N. 050-0019 was originally built in 1939 as F.A.P. Rte. 619 over Lone Star Cement Railroad. In 1995, the bridge was widened by constructing a new replacement superstructure, new abutments, and extending the existing intermediate piers. The bridge is a three-span continuous bridge, with total length of 176'-6" from back to back of abutments. The superstructure consists of steel beams composite with concrete deck. The substructure consists of stub abutments on steel H-piles and intermediate, multi-column piers on crashwall and spread footing. The proposed repairs will be performed using staged construction.

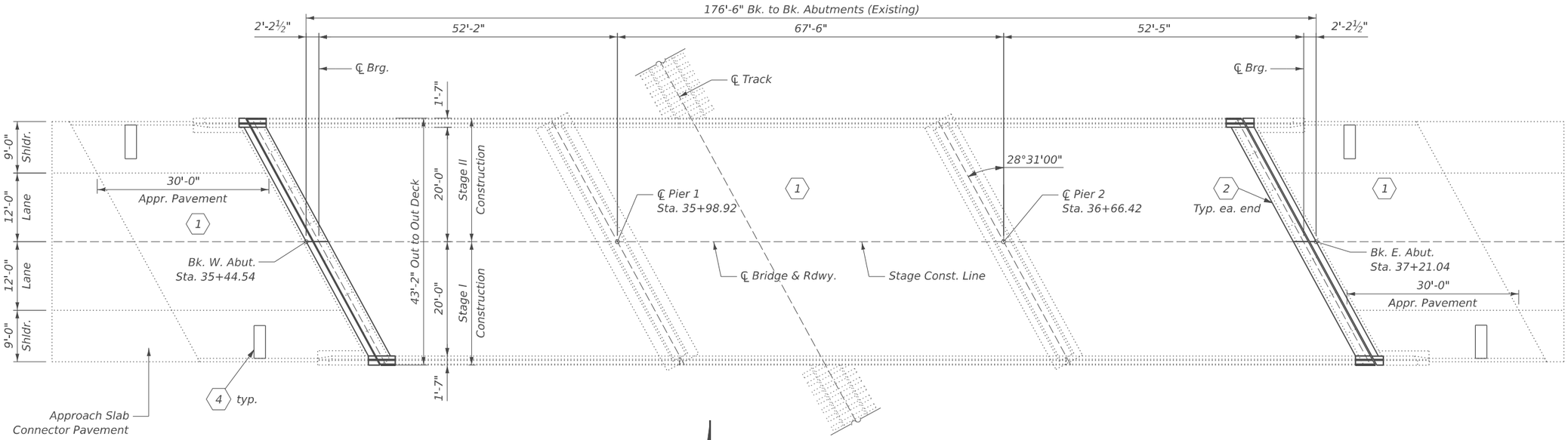
SCOPE OF WORK: (see ⬡ in Plan and Elevation)

1. Perform partial depth approach slab repairs.
2. Replace existing expansion joints with strip seal joints at both abutments.
3. Perform concrete repairs on piers.
4. Clean approach slab drain and outlet pipes.



ELEVATION

* Perpendicular to ℄ Track



N

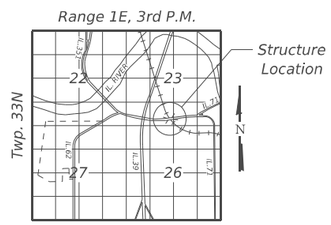
PLAN

DESIGN STRESSES

FIELD UNITS

New Construction
f'c = 4,000 psi
f'y = 60,000 psi (Reinf.)

Existing Structure
f 'c = 3,500 psi
fy = 60,000 psi (Reinf.)
fy = 50,000 psi (Structural Steel)



LOCATION SKETCH

LICENSED STRUCTURAL ENGINEER
HEMAL PATEL
081-008021
STATE OF ILLINOIS

Hemal Patel

Date: 01/29/2026
Expires: 11/30/2026

GENERAL PLAN & ELEVATION
F.A.P. RTE 619 (IL. RTE. 351)
OVER LONE STAR CEMENT RR
SEC. (70-VBR-1)BRR
LASALLE COUNTY
STATION 36+32.25
STRUCTURE NO. 050-0019

10-4 Engineering, PLLC

USER NAME = DanielPruchnick		DESIGNED - HP		REVISED - ####	
		DRAWN - DP		REVISED - ####	
PLOT SCALE = $SCALE$		CHECKED - VP		REVISED - ####	
PLOT DATE = 1/19/2026		DATE - 01/29/2026		REVISED - ####	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 050-0019
SHEET S-1 OF S-10 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(70-VBR-1)BRR	LASALLE	45	22
		CONTRACT NO. 66R64		
		ILLINOIS FED. AID PROJECT		

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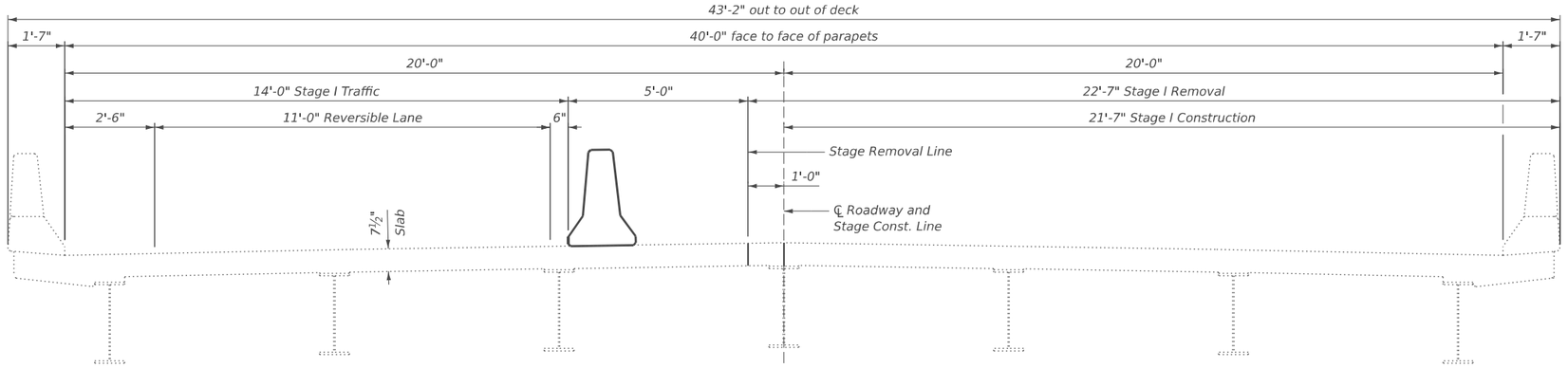
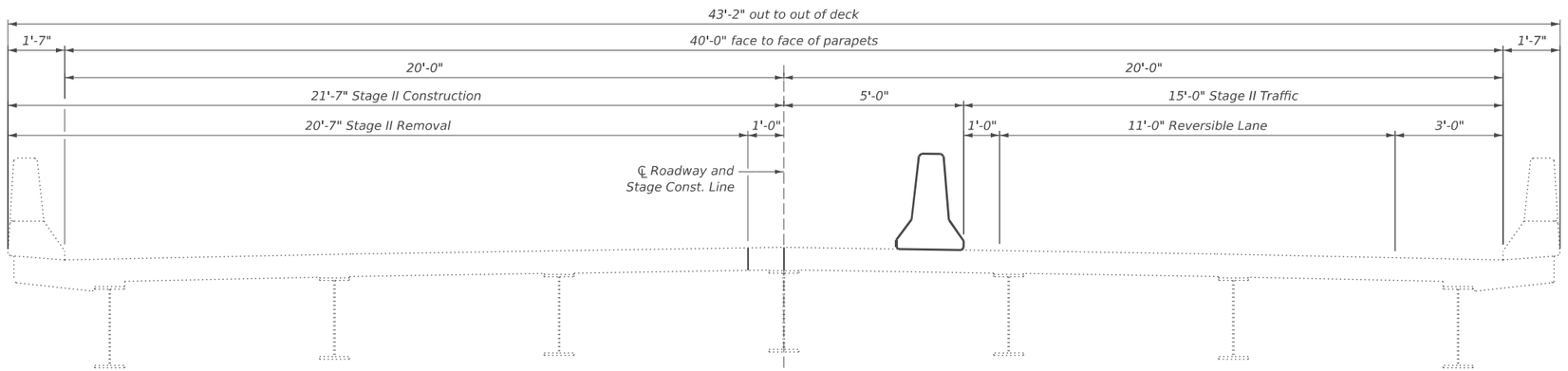


CROSS SECTION - STAGE I
(LOOKING EAST)



CROSS SECTION - STAGE II
(LOOKING EAST)

GENERAL NOTES

Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make the necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of work. However, the Contractor will be paid for the quantity actually furnished at the unit price for the work.

Reinforcement bars designated (E) shall be epoxy coated.

Protective Coat shall be applied to the finished surfaces of all new concrete areas and the deck and approach slab repairs.

The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructure.

Areas of deck and approach slab repairs are estimated. The actual repair areas shall be delineated by the Engineer in the field and show actual repair locations and limits in the as-built plans.

Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F.

Cost of removal and disposal of existing expansion joints shall be included with the cost of concrete removal.

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

INDEX OF SHEETS

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd.	15.7	-	15.7
Concrete Superstructure	Cu. Yd.	15.8	-	15.8
Protective Coat	Sq. Yd.	41	-	41
Reinforcement Bars, Epoxy Coated	Pound	2,130	-	2,130
Bar Splicers	Each	26	-	26
Preformed Joint Strip Seal	Foot	96	-	96
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	-	24	24
Epoxy Crack Injection	Foot	23	40	63
Anti-Graffiti Coating	Sq. Ft.	-	1,572	1,572
Clean Approach Slab Drain	Each	4	-	4
Approach Slab Repair (Partial Depth)	Sq. Yd.	4	-	4
Concrete Curb Repair	Foot	4	-	4

USER NAME = DanielPruchnick	DESIGNED - HP	REVISED - ####	
	DRAWN - DP	REVISED - ####	
PLOT SCALE = $SCALE$	CHECKED - VP	REVISED - ####	
PLOT DATE = 3/10/2026	DATE - 01/29/2026	REVISED - ####	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, INDEX OF SHEETS, & TOTAL BOM
STRUCTURE NO. 050-0019
SHEET S-2 OF S-10 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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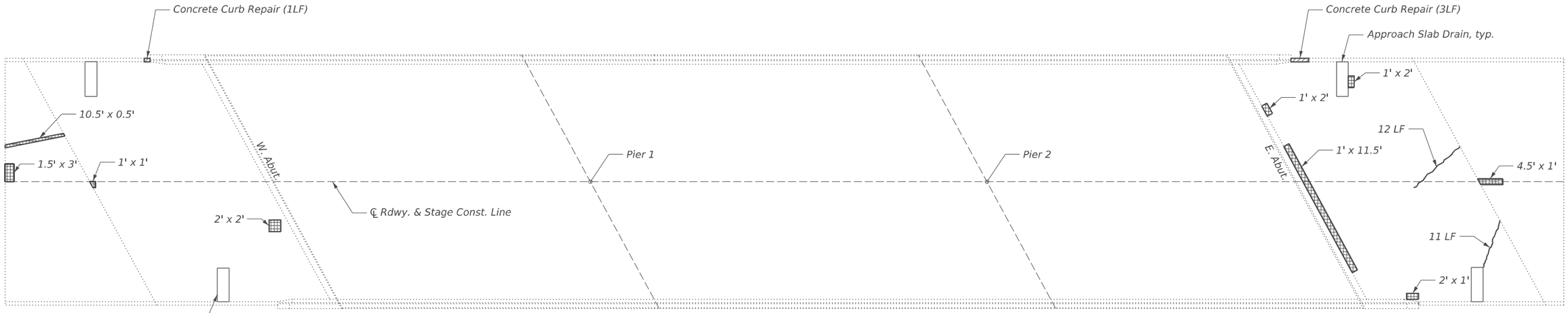
		CONTRACT NO. 66R64		
		ILLINOIS FED. AID PROJECT		



PLAN - DECK & APPROACH SLAB REPAIRS

N

LEGEND

- Concrete Curb Repair
- Approach Slab Repair (Partial Depth)
- Epoxy Crack Injection

Note:
Based on the bridge inspection, no deck repairs are anticipated. If any full depth deck repairs are identified during construction in the span over the railroad track, protective shield shall be provided extending a min. 5' beyond the deck repair limits.

Notes:
1. *The approach slab drains (including inlet box and outlet pipe) shall be cleaned after removing the grates. Contractor shall ensure that no damage is done to existing grates to be reused. Cost of all labor and materials necessary to remove existing grates and reinstalling grates is included in the cost per unit each for the pay item "Clean Approach Slab Drain".*

BILL OF MATERIAL

Item	Unit	Total
Approach Slab Repair (Partial Depth)	Sq. Yd.	4
Concrete Curb Repair	Foot	4
Epoxy Crack Injection	Foot	23
Clean Approach Slab Drain	Each	4

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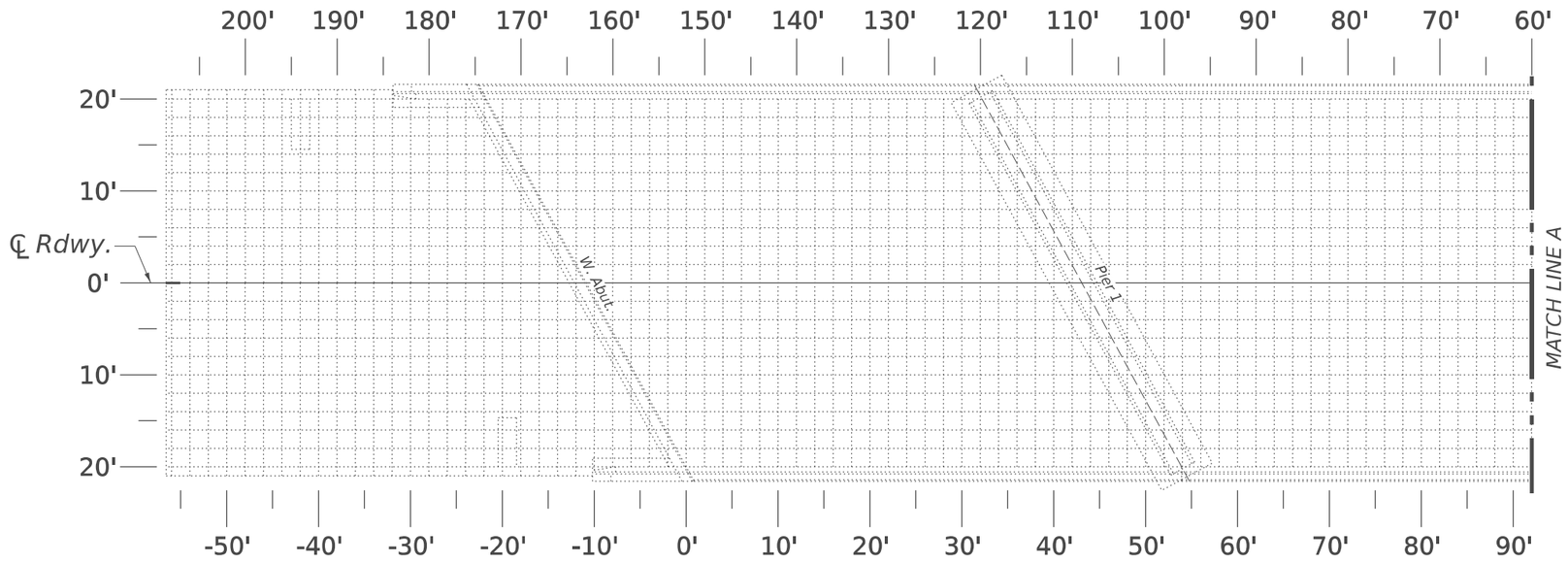
10-4 Engineering, PLLC

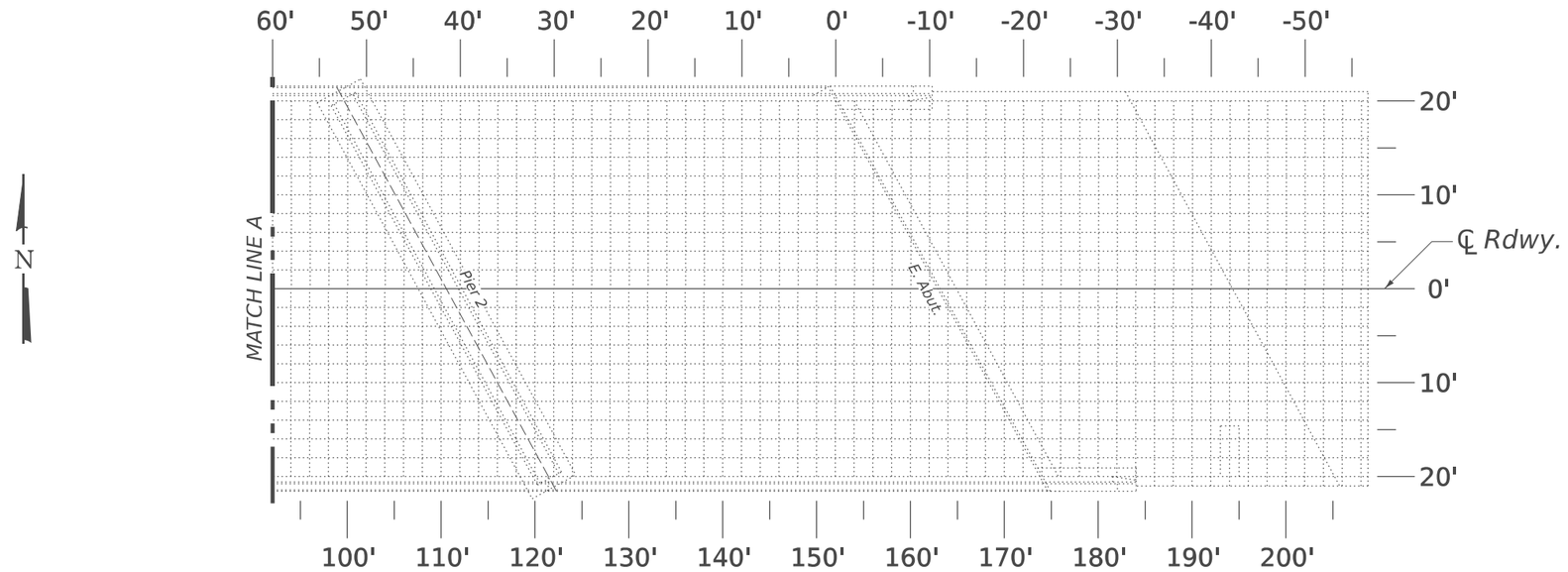
USER NAME = DanielPruchnick	DESIGNED - HP	REVISED - ####	
	DRAWN - DP	REVISED - ####	
PLOT SCALE = $SCALE$	CHECKED - VP	REVISED - ####	
PLOT DATE = 1/19/2026	DATE - 01/29/2026	REVISED - ####	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK & APPROACH SLAB REPAIR DETAILS
STRUCTURE NO. 050-0019
SHEET S-3 OF S-10 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(70-VBR-1)BRR	LASALLE	45	24
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		





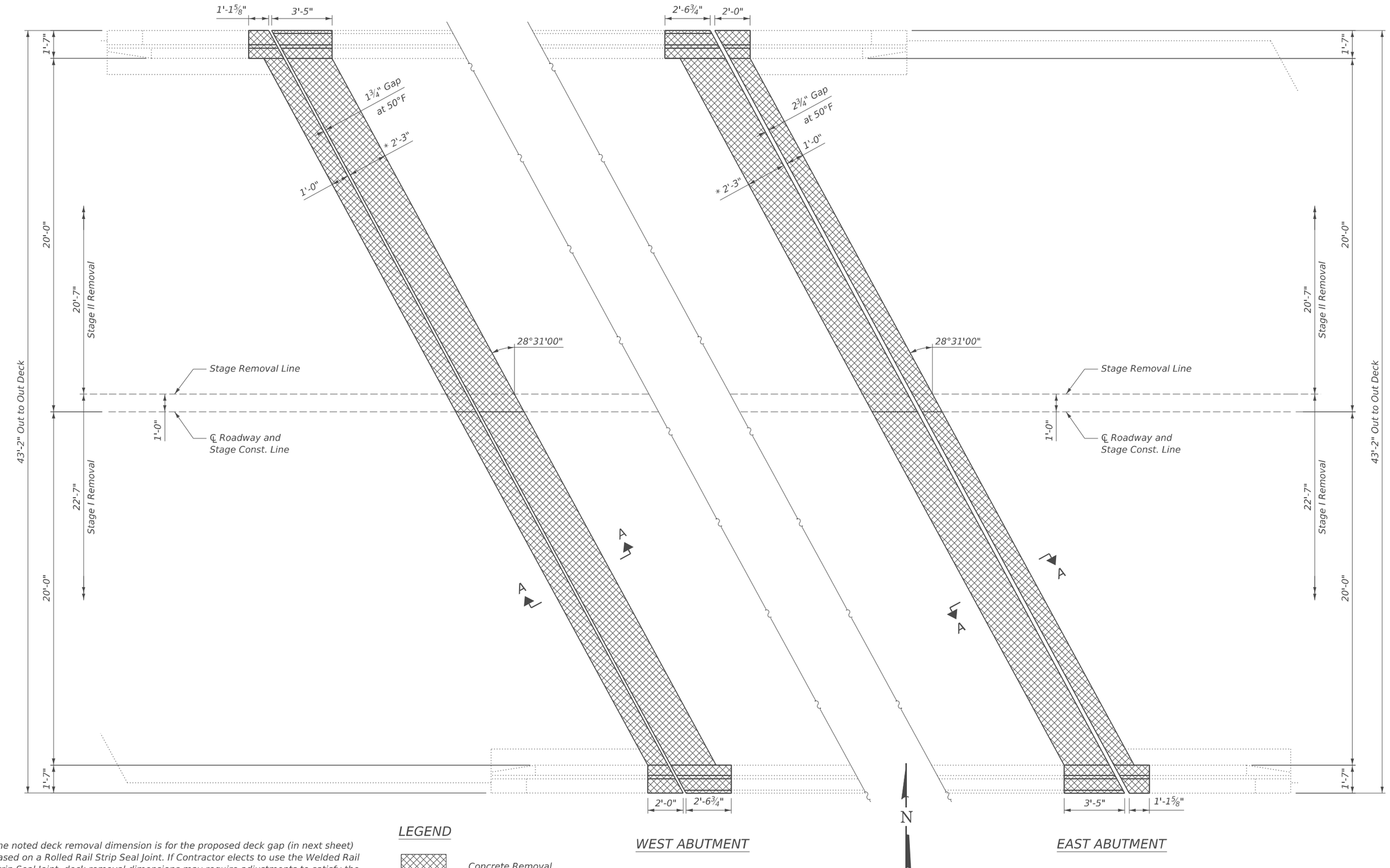
"AS-BUILT" PLAN
DECK & APPROACH REPAIRS

Note:
When all deck slab repairs have been completed, the Engineer shall record the actual deck slab repair locations and repair areas on this "As-Built" plan sheet. When all deck repairs have been shown on this detail, the "As-Built" deck slab repairs shall be submitted to the Bridge Office for their record.

10-4 Engineering, PLLC

USER NAME = DanielPruchnick	DESIGNED - HP	REVISED - ####	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	"AS-BUILT" DECK & APPROACH SLAB REPAIR DETAILS STRUCTURE NO. 050-0019	
	DRAWN - DP	REVISED - ####			
PLOT SCALE = $SCALE$	CHECKED - VP	REVISED - ####			
PLOT DATE = 1/19/2026	DATE - 01/29/2026	REVISED - ####		SHEET S-4 OF S-10 SHEETS	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(70-VBR-1)BRR	LASALLE	45	25
		CONTRACT NO. 66R64		
		ILLINOIS FED. AID PROJECT		



WEST ABUTMENT

EAST ABUTMENT

LEGEND

Concrete Removal

(*) The noted deck removal dimension is for the proposed deck gap (in next sheet) based on a Rolled Rail Strip Seal Joint. If Contractor elects to use the Welded Rail Strip Seal Joint, deck removal dimensions may require adjustments to satisfy the details on Base Sheet S-8. See Preformed Joint Strip Seal sheet for more details.

10-4 Engineering, PLLC

USER NAME = DanielPruchnick	DESIGNED - HP	REVISED - ####
	DRAWN - DP	REVISED - ####
PLOT SCALE = $SCALE$	CHECKED - VP	REVISED - ####
PLOT DATE = 1/19/2026	DATE - 01/29/2026	REVISED - ####

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL DETAILS
STRUCTURE NO. 050-0019

SHEET S-5 OF S-10 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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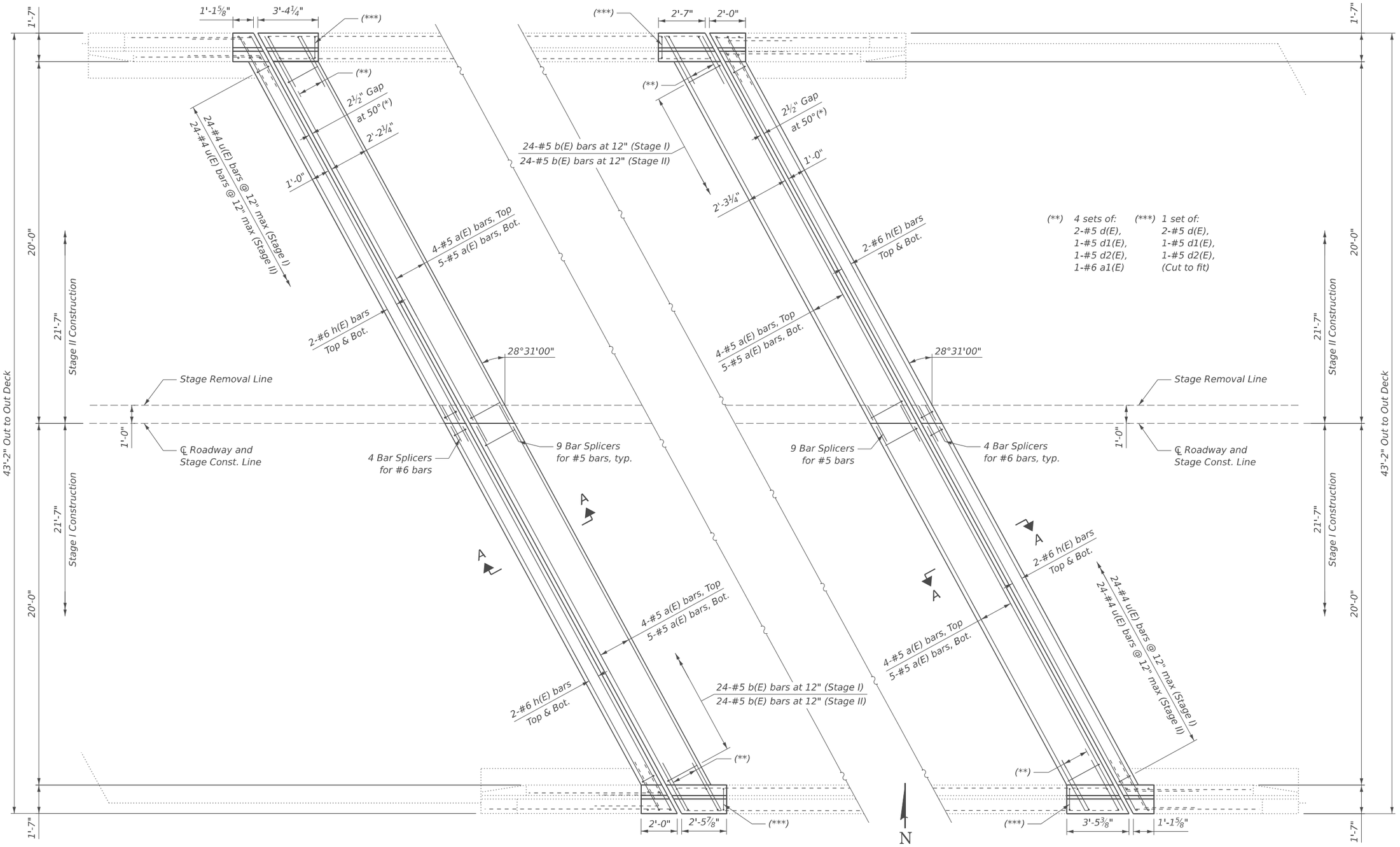
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		



(**) 4 sets of:
2-#5 d(E),
1-#5 d1(E),
1-#5 d2(E),
1-#6 a1(E)

(***) 1 set of:
2-#5 d(E),
1-#5 d1(E),
1-#5 d2(E),
(Cut to fit)

(*) *The noted deck dimension is for the proposed deck gap (in next sheet) based on a Rolled Rail Strip Seal Joint. If Contractor elects to use the Welded Rail Strip Seal Joint, deck dimensions may require adjustments to satisfy the details on Base Sheet S-8. See Preformed Joint Strip Seal sheet for more details.*

WEST ABUTMENT

EAST ABUTMENT

10-4 Engineering, PLLC	USER NAME = DanielPruchnick	DESIGNED - HP	REVISED - ####	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RECONSTRUCTION DETAILS STRUCTURE NO. 050-0019
		DRAWN - DP	REVISED - ####		
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	PLOT DATE = 1/19/2026	DATE - 01/29/2026	REVISED - ####		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(70-VBR-1)BRR	LASALLE	45	27
		CONTRACT NO. 66R64		
		ILLINOIS FED. AID PROJECT		

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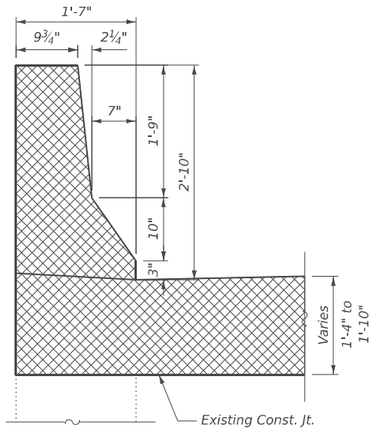
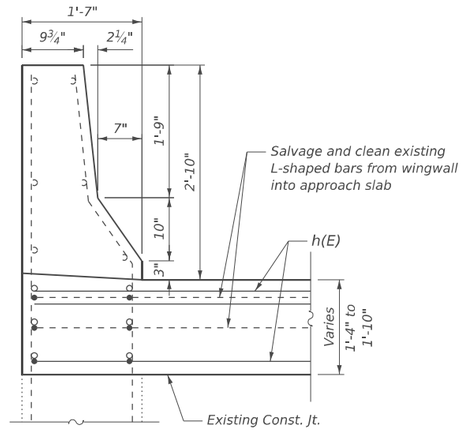


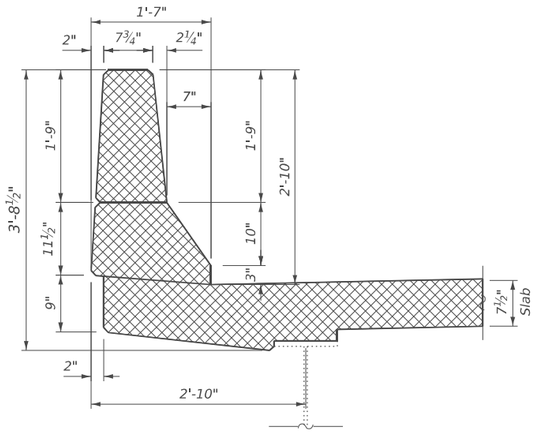
SECTION THRU WING WALL (REMOVAL)

(West Abut. Shown, East Abut. similar)



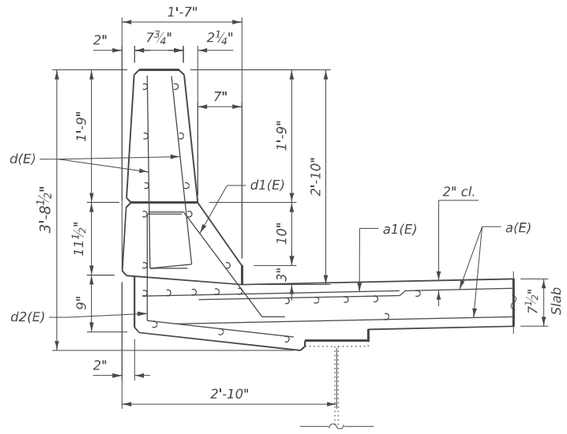
SECTION THRU WING WALL (RECONSTRUCTION)

(West Abut. Shown, East Abut. similar)



SECTION THRU PARAPET (REMOVAL)

(West Abut. Shown, East Abut. similar)



SECTION THRU PARAPET (RECONSTRUCTION)

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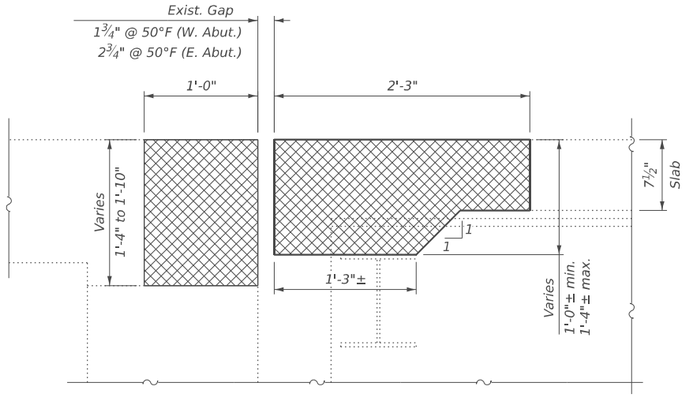
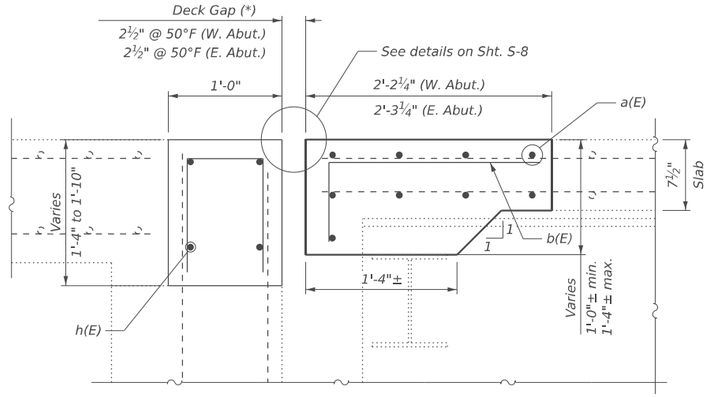


SECTION A-A (REMOVAL)

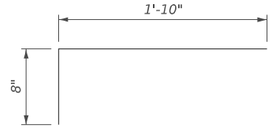
(West Abut. Shown, East Abut. similar)



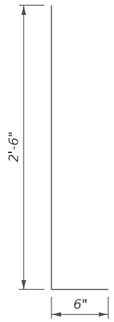
SECTION A-A (RECONSTRUCTION)

(West Abut. Shown, East Abut. similar)

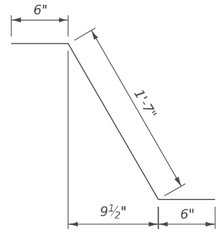
Note:
Dimensions are at right angles to abutment unless otherwise noted.



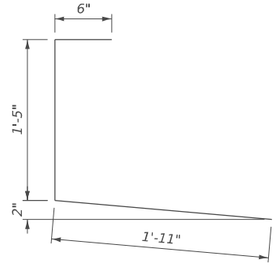
BAR b(E)



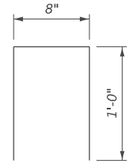
BAR d(E)



BAR d1(E)



BAR d2(E)



BAR u(E)

BAR LIST - BOTH ABUTMENTS

Bar	No.	Size	Length	Shape
a(E)	36	#5	23'-10"	
a1(E)	16	#6	6'-0"	
b(E)	96	#5	2'-6"	
d(E)	40	#5	3'-0"	
d1(E)	20	#5	2'-7"	
d2(E)	20	#5	3'-10"	
h(E)	16	#6	24'-2"	
u(E)	96	#4	2'-8"	

BILL OF MATERIAL

Item	Unit	Total
Concrete Removal	Cu. Yd.	15.7
Concrete Superstructure	Cu. Yd.	15.8
Protective Coat	Sq. Yd.	41
Reinforcement Bars, Epoxy Coated	Pound	2,130
Bar Splicers	Each	26

(*) Deck gap dimension noted is based on a Rolled Rail Strip Seal Joint. If Contractor elects to use the Welded Rail Strip Seal Joint, deck dimensions may require adjustments to satisfy the details on Base Sheet S-8. Please see Preformed Joint Strip Seal sheet for more details.

USER NAME = DanielPruchnick	DESIGNED - HP	REVISED - ####	
	DRAWN - DP	REVISED - ####	
PLOT SCALE = $SCALE$	CHECKED - VP	REVISED - ####	
PLOT DATE = 1/28/2026	DATE - 01/29/2026	REVISED - ####	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT SECTIONS, DETAILS, & BAR LIST
STRUCTURE NO. 050-0019
SHEET S-7 OF S-10 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(70-VBR-1)BRR	LASALLE	45	28
		CONTRACT NO. 66R64		
	ILLINOIS FED. AID PROJECT			

MODEL: Bz_Sheet_Consultant
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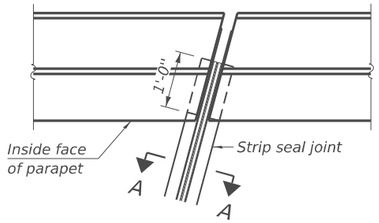
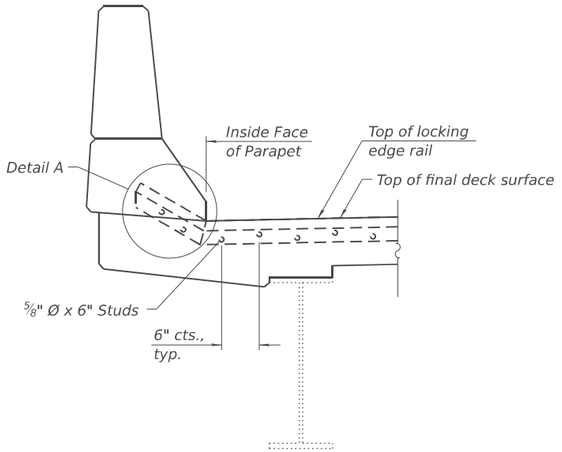
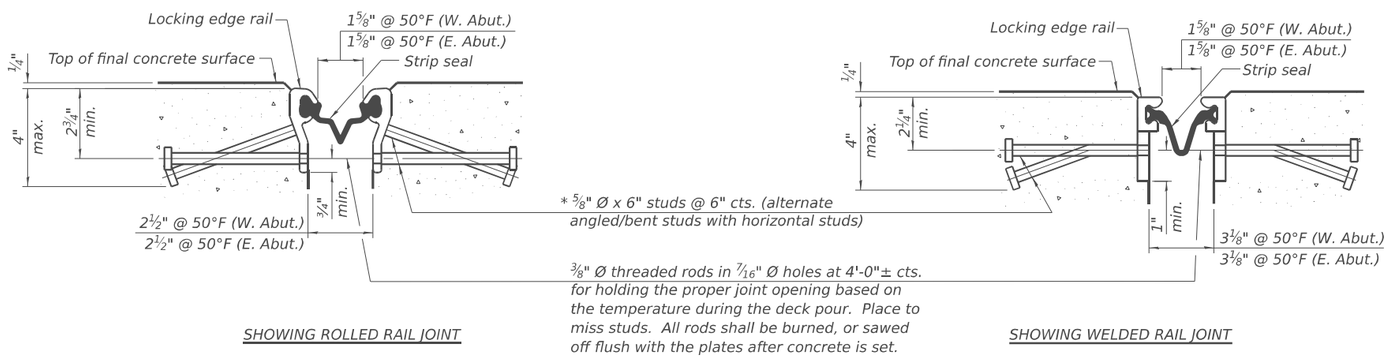


FOR SKEWS ≤ 30°

PLAN AT PARAPET



SECTION AT PARAPET

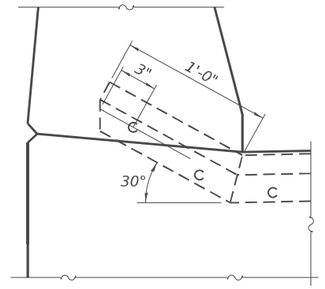


SHOWING ROLLED RAIL JOINT

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.



DETAIL A

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of 1/4". 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.

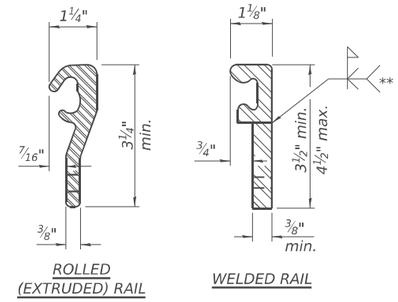
The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4 1/2" 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.



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.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	96

EJ-SS

4-4-2025

10-4 Engineering, PLLC

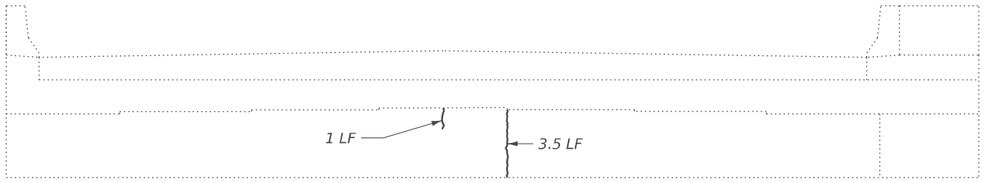
USER NAME = DanielPruchnick		DESIGNED - HP		REVISED - ####	
		DRAWN - DP		REVISED - ####	
PLOT SCALE = $SCALE$		CHECKED - VP		REVISED - ####	
PLOT DATE = 1/19/2026		DATE - 01/29/2026		REVISED - ####	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 050-0019
SHEET S-8 OF S-10 SHEETS

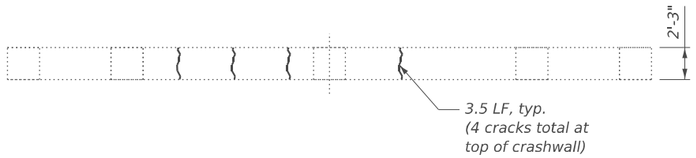
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(70-VBR-1)BRR	LASALLE	45	29
		CONTRACT NO. 66R64		
	ILLINOIS FED. AID PROJECT			

MODEL: BI_Sheet_Consultant
FILE NAME: C:\Users\DanielPruchnick\10-4 Engineering\10-4 Engineering - Documents\Projects\02-103-00 IDOT PTB 213-037 D3 Phase II V-V\600 CADD DESIGN\606 StructuralWO-3_C66R64IWO3_050-0019\Sheet\Page 8_Preformed Joint Seal Details.dgn



ELEVATION - EAST ABUTMENT

(Looking East)



N

PLAN - PIER 1 CRASHWALL (WEST PIER)

LEGEND

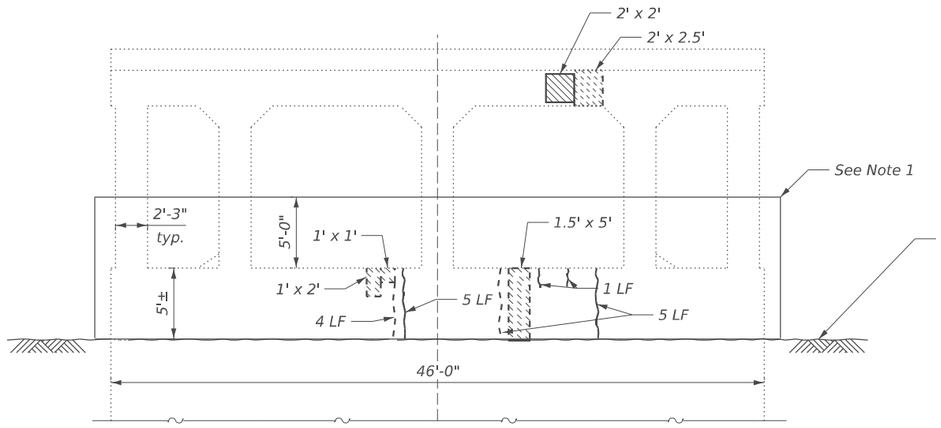
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches) (Near Face)

Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches) (Far Face)

Epoxy Crack Injection (Near Face)

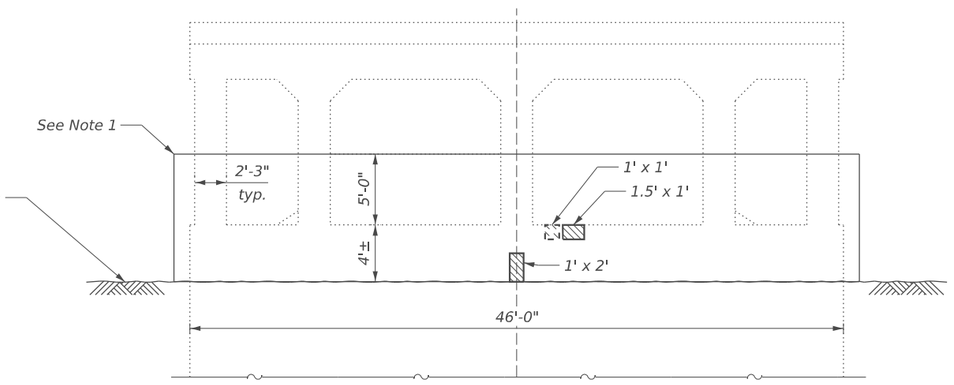
Epoxy Crack Injection (Far Face)

Notes:
1. Remove graffiti and clean all exposed concrete surfaces within these limits and apply anti-graffiti coating. This includes all four (4) faces of each column, as well as the top face and all four (4) sides of the crashwall.



ELEVATION - PIER 1 (WEST PIER)

(Looking east at west face)



ELEVATION - PIER 2 (EAST PIER)

(Looking east at west face)

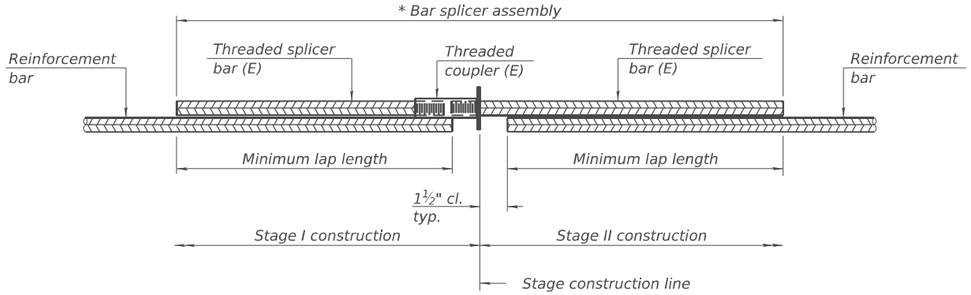
BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	24
Epoxy Crack Injection	Foot	40
Anti-Graffiti Coating	Sq. Ft	1,572

10-4 Engineering, PLLC

USER NAME = DanielPruchnick	DESIGNED - HP	REVISED - ####	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUBSTRUCTURE REPAIRS STRUCTURE NO. 050-0019	
	DRAWN - DP	REVISED - ####			
PLOT SCALE = $SCALE$	CHECKED - VP	REVISED - ####		SHEET S-9 OF S-10 SHEETS	
PLOT DATE = 1/19/2026	DATE - 01/29/2026	REVISED - ####			

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(70-VBR-1)BRR	LASALLE	45	30
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		



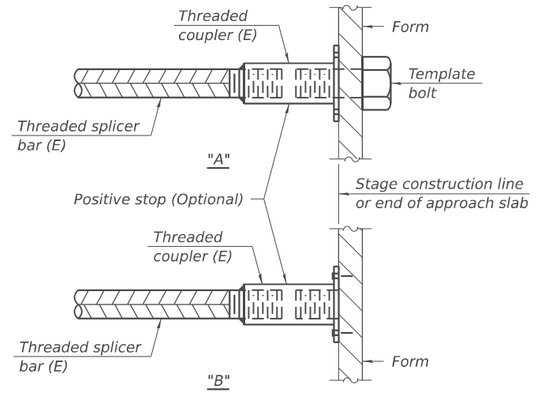
STANDARD BAR SPLICER ASSEMBLY PLAN

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

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

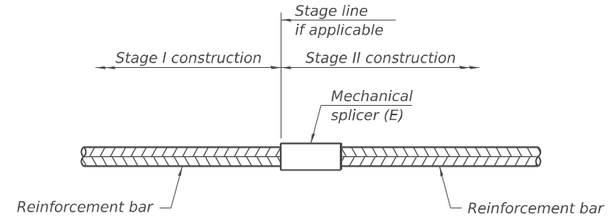
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
W. Abut. - Deck	#5	9	3'-10"
W. Abut. - (Block out)	#6	4	4'-5"
E. Abut. - Deck	#5	9	3'-10"
E. Abut. - (Block out)	#6	4	4'-5"



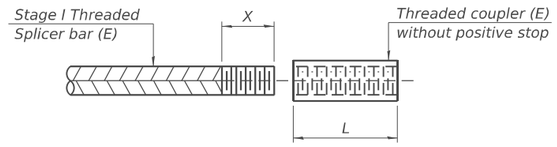
INSTALLATION AND SETTING METHODS

"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

USER NAME = DanielPruchnick	DESIGNED - HP	REVISED - ####	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - DP	REVISED - ####	
PLOT SCALE = $SCALE$	CHECKED - VP	REVISED - ####	
PLOT DATE = 1/28/2026	DATE - 01/29/2026	REVISED - ####	

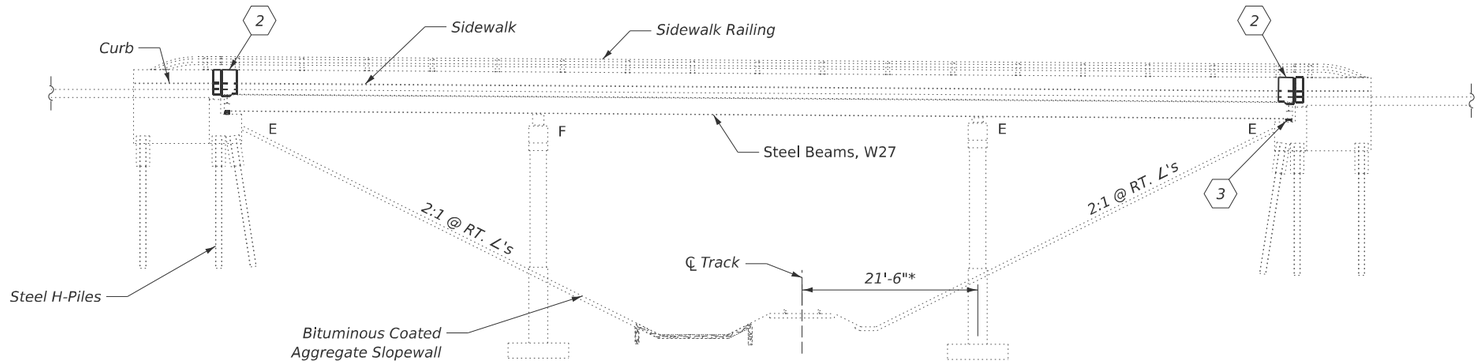
BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 050-0019
SHEET S-10 OF S-10 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(70-VBR-1)BRR	LASALLE	45	31
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		

Existing Structure:
S.N. 050-0218 was originally built in 1995 under FAP 619, Section 70 VBR. It is a 3-span continuous steel I-Beam bridge with 7½" thick reinforced concrete composite deck. The substructure consists of stub abutments supported on steel H-piles and multi-column piers with spread footings. The bridge's out-to-out deck width is 37'-7" and its total length is 145'-0" from back to back of abutment. The proposed repairs will be performed using stage construction.

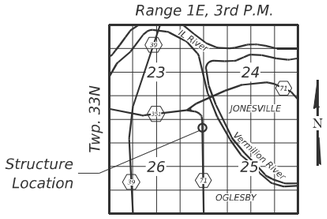
SCOPE OF WORK: (see ⬡ In Plan & Elevation)

1. Perform partial depth deck and approach slab repairs.
2. Replace existing joints with new strip seal joints at both abutments. Remove and re-erect bridge railing as required at the sidewalk barrier.
3. Replace bearing retainers at the north abutment.
4. Clean bridge deck floor drains & approach slab inlets.

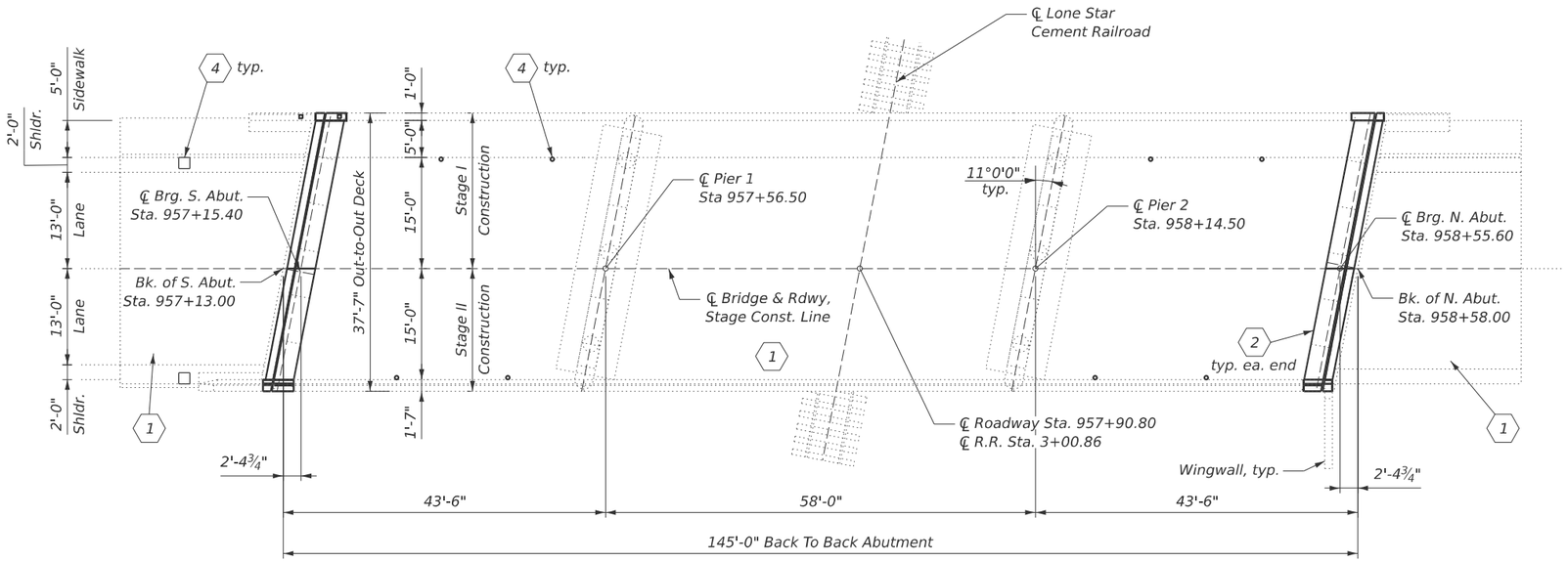


* Perpendicular to ℄ Track

ELEVATION



LOCATION SKETCH



N

PLAN

LICENSED STRUCTURAL ENGINEER
HEMAL PATEL
081-008021
STATE OF ILLINOIS

Date: 01/29/2026
Expires: 11/30/2026

GENERAL PLAN & ELEVATION
F.A.P. RTE. 619 (IL 351/71)
OVER LONE STAR CEMENT R.R.
SECTION (2HB)BRR
LASELLE COUNTY
STATION 957+85.50
STRUCTURE NO. 050-0218

10-4 Engineering, PLLC

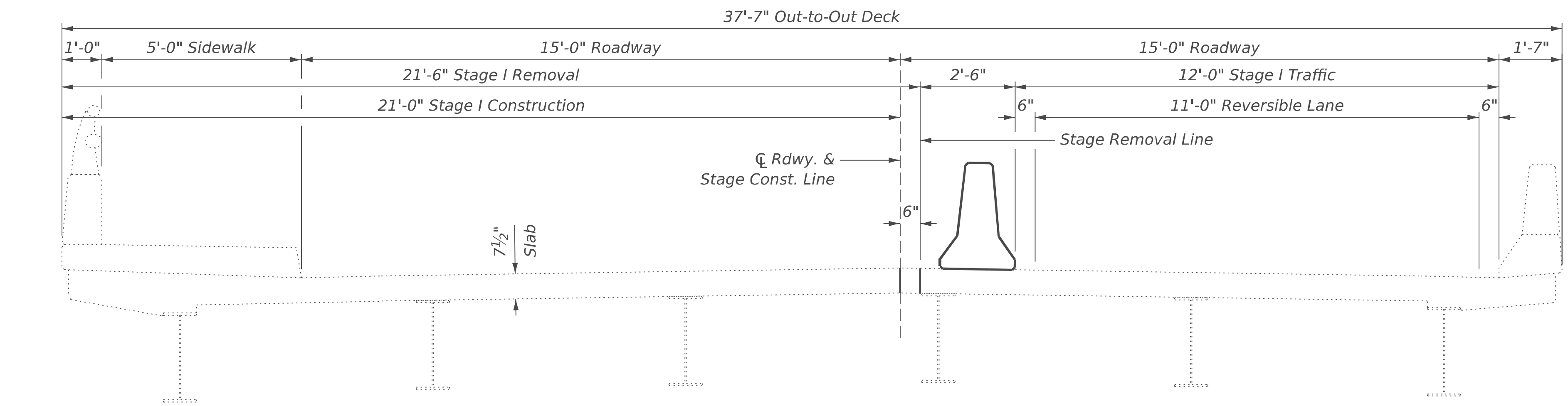
USER NAME = DanielPruchnick		DESIGNED - HP		REVISED - ####	
		DRAWN - DP		REVISED - ####	
PLOT SCALE = $SCALE$		CHECKED - VP		REVISED - ####	
PLOT DATE = 8/22/2025		DATE - 01/29/2026		REVISED - ####	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

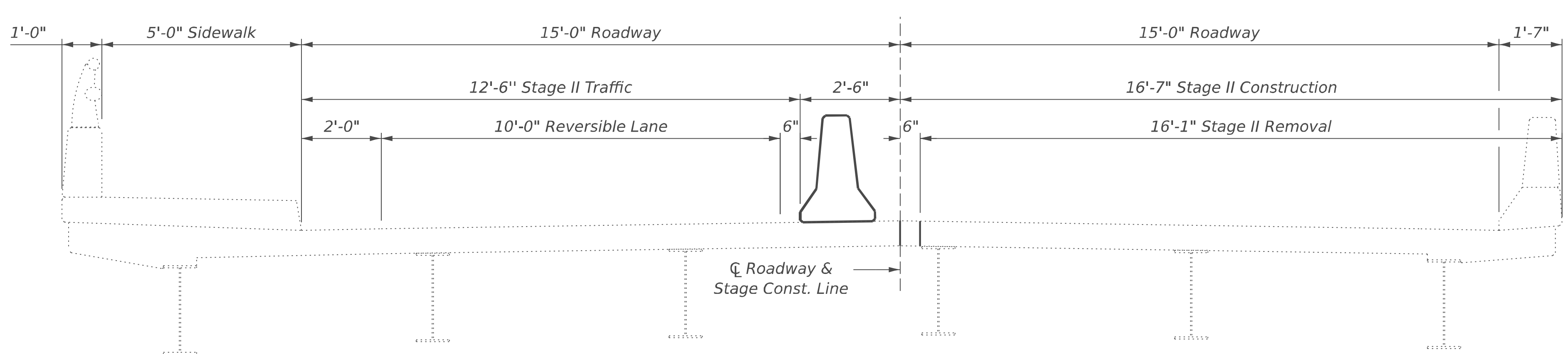
GENERAL PLAN & ELEVATION
STRUCTURE NO. 050-0218
SHEET S-1 OF S-12 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR	LASALLE	45	32
		CONTRACT NO. 66R64		
		ILLINOIS FED. AID PROJECT		

MODEL: Bf_Sheet_Consultant
FILE NAME: C:\Users\DanielPruchnick\10-4 Engineering\10-4 Engineering - Documents\Projects\02-103-20 IDOT PTB 213-037 D3 Phase II V-A\600 CADD DESIGN\606 Structural\WO-3_C66R64\WO3_050-0218\Sheet\Page 1_GP&E_WO3_050-0218.dgn



CROSS SECTION - STAGE I
(LOOKING NORTH)



CROSS SECTION - STAGE II
(LOOKING NORTH)

GENERAL NOTES

Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make the necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of work. However, the Contractor will be paid for the quantity actually furnished at the unit price for the work.

Reinforcement bars designated (E) shall be epoxy coated.

Protective Coat shall be applied to the finished surfaces of all new concrete areas and the deck and approach slab repairs.

The deck surface shall have its final finish tinted according to Article 420.09(e)(1) of the Standard Specifications. Cost included with concrete superstructure.

Areas of deck and approach slab repairs are estimated. The actual repair areas shall be delineated by the Engineer in the field and show actual repair locations and limits in the as-built plans.

Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F.

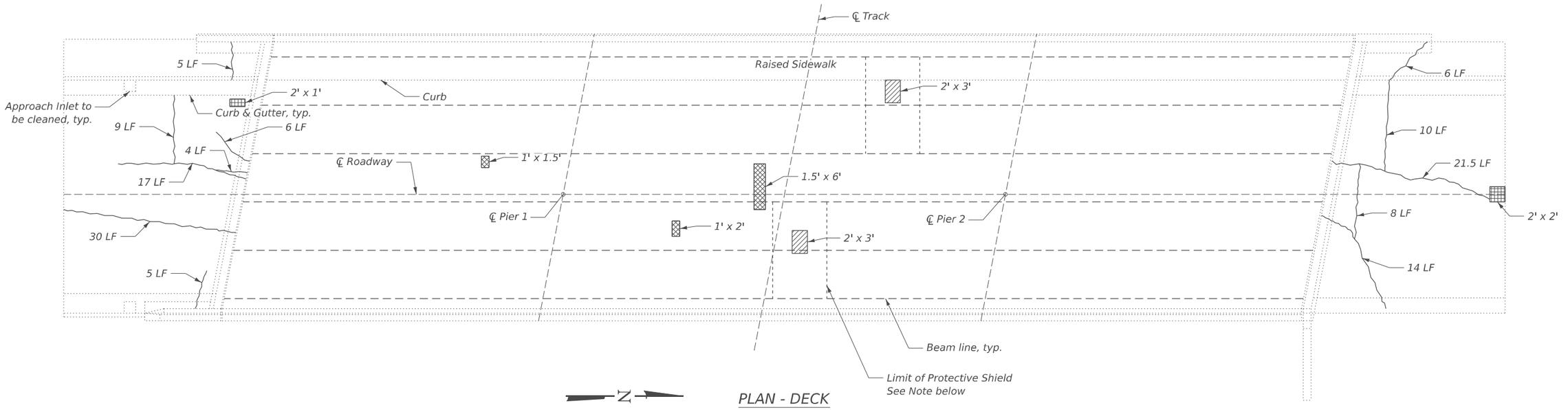
Cost of removal and disposal of existing expansion joints shall be included with the cost of concrete removal.

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

INDEX OF SHEETS

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd.	11.4	-	11.4
Protective Shield	Sq. Yd.	32	-	32
Concrete Superstructure	Cu. Yd.	11.3	-	11.3
Protective Coat	Sq. Yd.	36	-	36
Furnishing and Erecting Structural Steel	Pound	123	-	123
Reinforcement Bars, Epoxy Coated	Pound	1,640	-	1,640
Bar Splicers	Each	26	-	26
Preformed Joint Strip Seal	Foot	74	-	74
Anchor Bolts, 1"	Each	6	-	6
Deck Slab Repair (Partial)	Sq. Yd.	2	-	2
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	2	-	2
Epoxy Crack Injection	Foot	136	-	136
Clean Approach Slab Drain	Each	2	-	2
Floor Drains to be Cleaned	Each	8	-	8
Structural Steel Removal	Pound	77	-	77
Remove and Re-Erect Existing Bridge Rail	Foot	55	-	55
Approach Slab Repair (Partial Depth)	Sq. Yd.	1	-	1



PLAN - DECK

Note:
For full depth deck repairs in the span over the railroad track, protective shield shall be provided extending a min. 5' beyond the deck repair limits. For any partial depth deck repairs in this span, if the depth of deck removal exceeds 3 3/4" and the repair need to be full depth, protective shield shall be provided for the full depth repair.

LEGEND

- Approach Slab Repair (Partial Depth)
- Deck Slab Repair (Full Depth, Type I)
- Deck Slab Repair (Partial)
- Epoxy Crack Injection

BILL OF MATERIAL

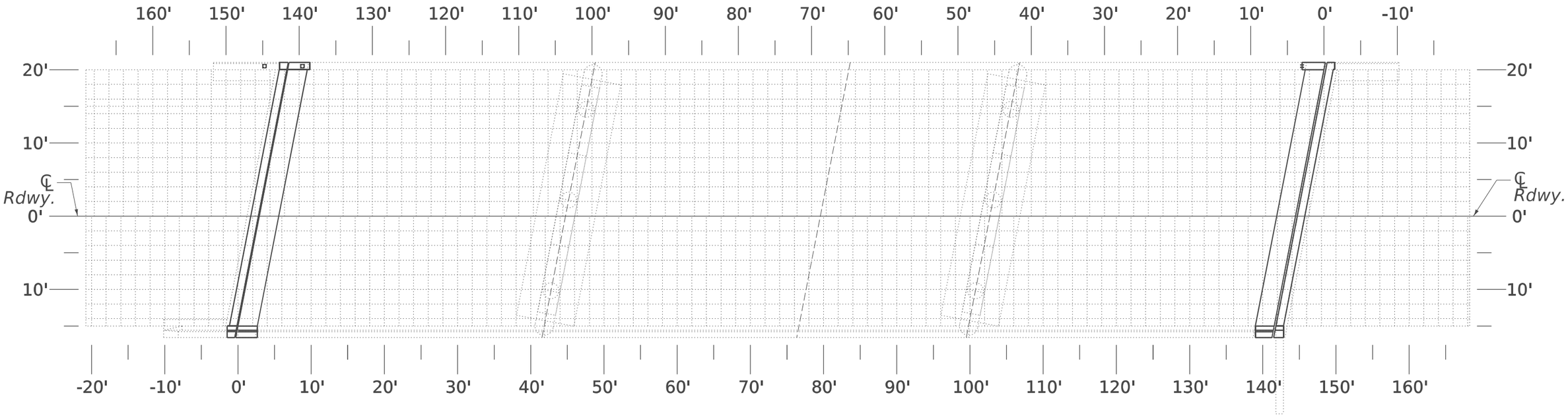
Item	Unit	Total
Approach Slab Repair (Partial Depth)	Sq. Yd.	1
Deck Slab Repair (Partial)	Sq. Yd.	2
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	2
Epoxy Crack Injection	Foot	136
Clean Approach Slab Drain	Each	2
Floor Drains to be Cleaned	Each	8

10-4 Engineering, PLLC

USER NAME = DanielPruchnick	DESIGNED - HP	REVISED - ####	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK & APPROACH SLAB REPAIR DETAILS STRUCTURE NO. 050-0218	SHEET S-3 OF S-12 SHEETS
	DRAWN - DP	REVISED - ####			
PLOT SCALE = $SCALE$	CHECKED - VP	REVISED - ####			
PLOT DATE = 1/20/2026	DATE - 01/29/2026	REVISED - ####			

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR	LASALLE	45	34
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		

MODEL: Br_Sheet_Consultant
FILE NAME: C:\Users\DanielPruchnick\10-4 Engineering\10-4 Engineering - Documents\Projects\02-103-00 IDOT PTB 213-037 D3 Phase II V-A\600 CADD DESIGN\606 Structural\WO-3_C66R641WO3_050-0218\Sheet\Page 3_Deck & Approach Slab Plans.dgn



"AS-BUILT" PLAN
DECK & APPROACH REPAIRS

N

Note:
When all deck slab repairs have been completed, the Engineer shall record the actual deck slab repair locations and repair areas on this "As-Built" plan sheet. When all deck repairs have been shown on this detail, the "As-Built" deck slab repairs shall be submitted to the Bridge Office for their record.

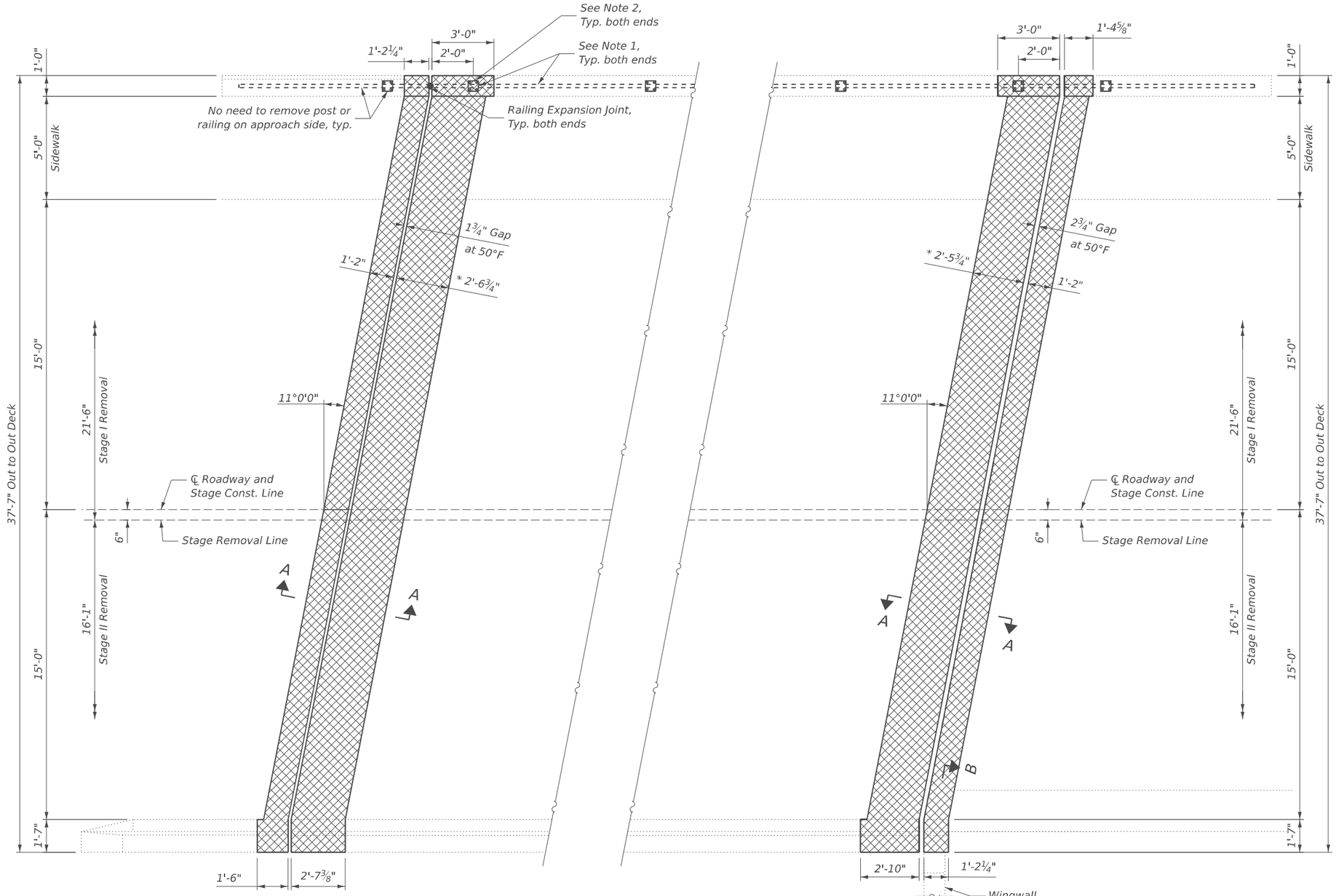
10-4 Engineering, PLLC

USER NAME = DanielPruchnick	DESIGNED - HP	REVISED - ####	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	"AS-BUILT" DECK & APPROACH SLAB REPAIR DETAILS STRUCTURE NO. 050-0218	
	DRAWN - DP	REVISED - ####			
PLOT SCALE = $SCALE$	CHECKED - VP	REVISED - ####			
PLOT DATE = 1/19/2026	DATE - 01/29/2026	REVISED - ####		SHEET S-4 OF S-12 SHEETS	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR	LASALLE	45	35
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		

MODEL: Br_Sheet_Consultant
FILE NAME: C:\Users\DanielPruchnick\10-4 Engineering\10-4 Engineering - Documents\Projects\02-103-00 IDOT PTB 213-037 D3 Phase II V-V\600 CADD DESIGN\606 Structural\WO-3_C66R64\WO3_050-0218\Sheet\Page 4_Deck & Approach Slab Cridlines.dgn

Notes:
1. Remove and store existing rails and post as needed for the expansion joint replacement.
2. Remove and discard the anchor bolt assembly along with parapet removal.



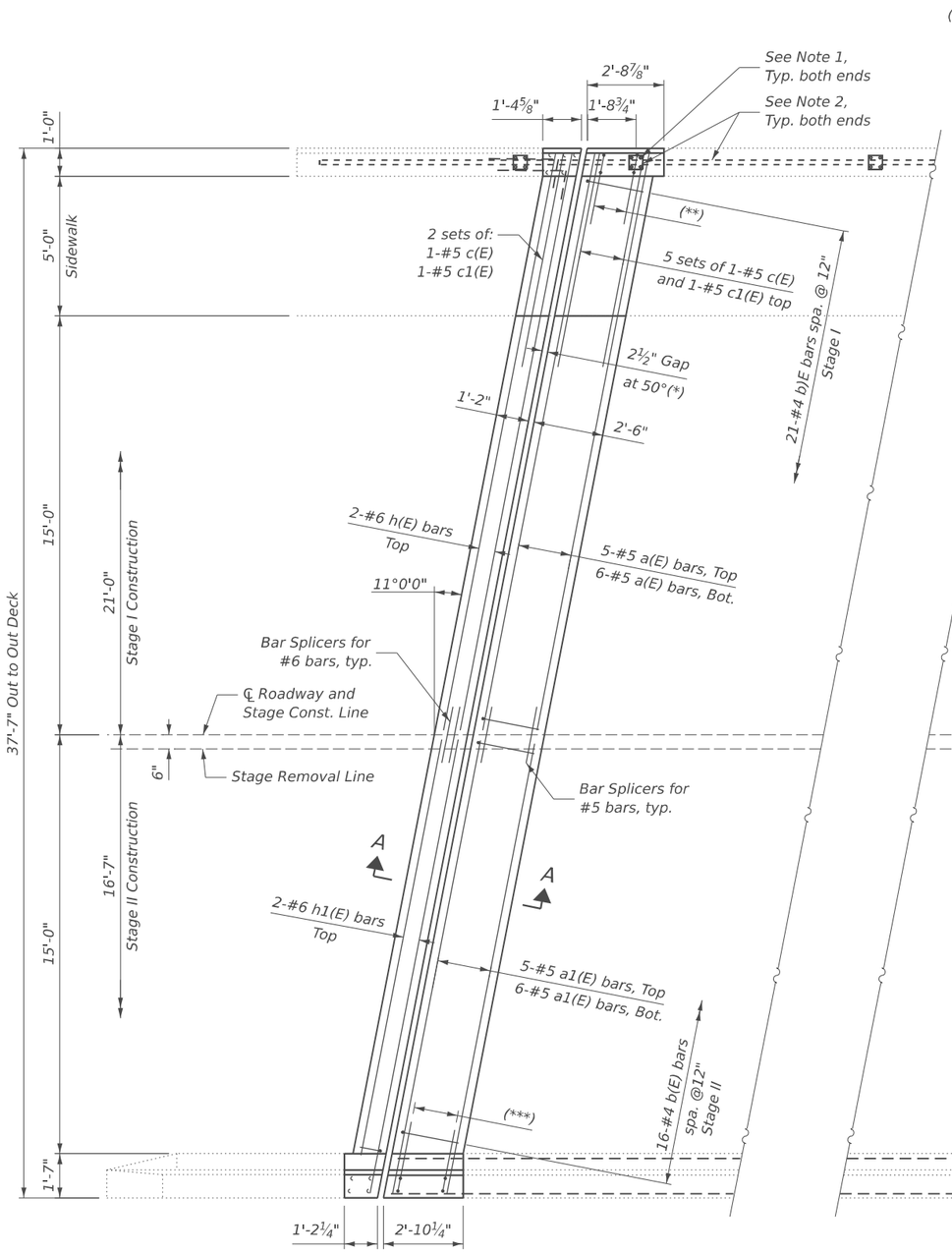
(*) The noted deck removal dimension is for the proposed deck gap (in next sheet) based on a Rolled Rail Strip Seal Joint. If Contractor elects to use the Welded Rail Strip Seal Joint, deck removal dimensions may require adjustments to satisfy the details on Base Sheet S-8. See Preformed Joint Strip Seal sheet for more details.

USER NAME = DanielPruchnick	DESIGNED - HP	REVISED - ####	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - DP	REVISED - ####	
PLOT SCALE = $SCALE$	CHECKED - VP	REVISED - ####	
PLOT DATE = 3/10/2026	DATE - 01/29/2026	REVISED - ####	

REMOVAL DETAILS
STRUCTURE NO. 050-0218
SHEET S-5 OF S-12 SHEETS

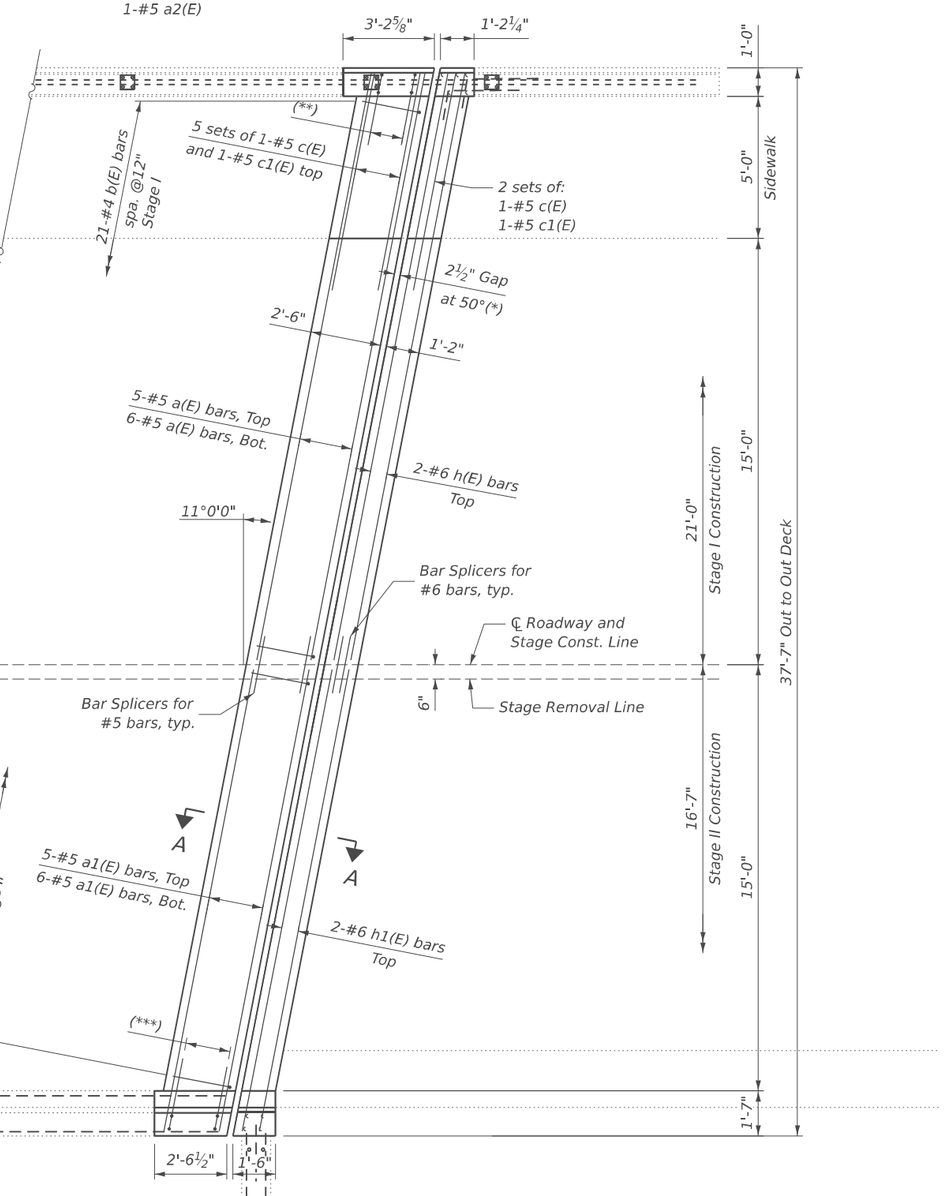
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR	LASALLE	45	36
		CONTRACT NO. 66R64		
		ILLINOIS FED. AID PROJECT		

Notes:
1. Install a new anchor bolt assembly in new parapet for the aluminum railing per Rail Post Detail in Sheet S-10.
2. Re-install the post and rails after the expansion joint replacement is completed.



(**) 5 sets of:
1-#4 d3(E)
1-#6 d4(E)
1-#4 d5(E)

(***) 5 sets of:
2-#5 d(E)
1-#5 d1(E)
1-#5 d2(E)
1-#5 a2(E)



(*) The noted deck dimension is for the proposed deck gap (in next sheet) based on a Rolled Rail Strip Seal Joint. If Contractor elects to use the Welded Rail Strip Seal Joint, deck dimensions may require adjustments to satisfy the details on Base Sheet S-8. See Preformed Joint Strip Seal sheet for more details.

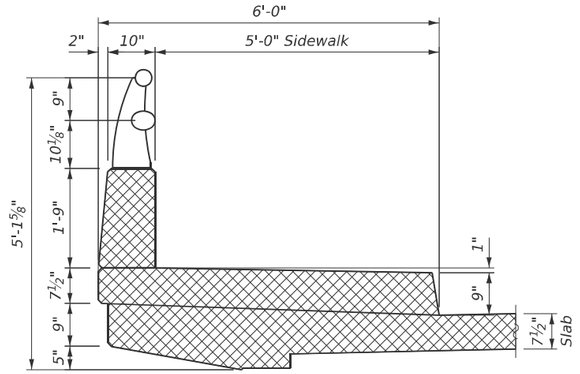
SOUTH ABUTMENT

NORTH ABUTMENT

USER NAME = DanielPruchnick	DESIGNED - HP	REVISED - ####	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - DP	REVISED - ####	
PLOT SCALE = $SCALE$	CHECKED - VP	REVISED - ####	
PLOT DATE = 1/28/2026	DATE - 01/29/2026	REVISED - ####	

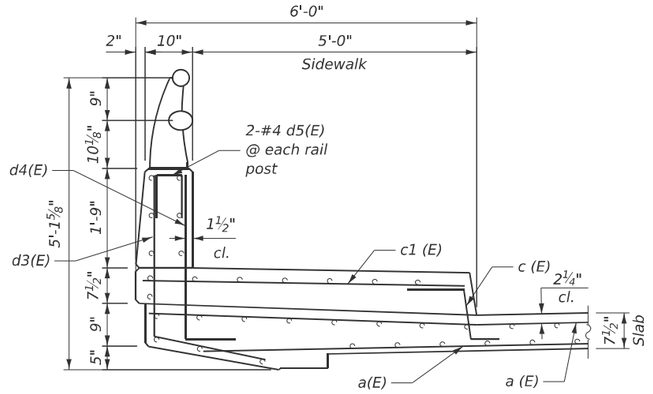
RECONSTRUCTION DETAILS
STRUCTURE NO. 050-0218
SHEET S-6 OF S-12 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR	LASALLE	45	37
		CONTRACT NO. 66R64		
		ILLINOIS FED. AID PROJECT		



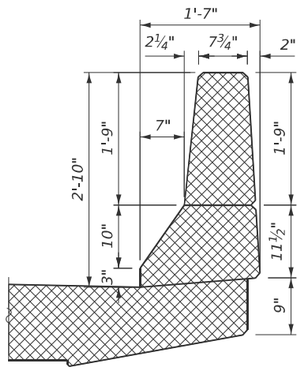
SECTION THRU SIDEWALK (REMOVAL)

(North Abut. Shown, South Abut. similar)



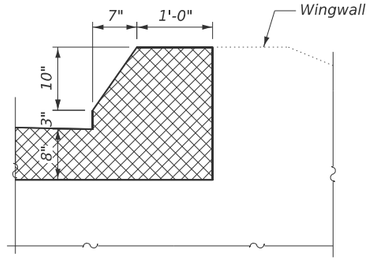
SECTION THRU SIDEWALK (RECONSTRUCTION)

(North Abut. Shown, South Abut. similar)

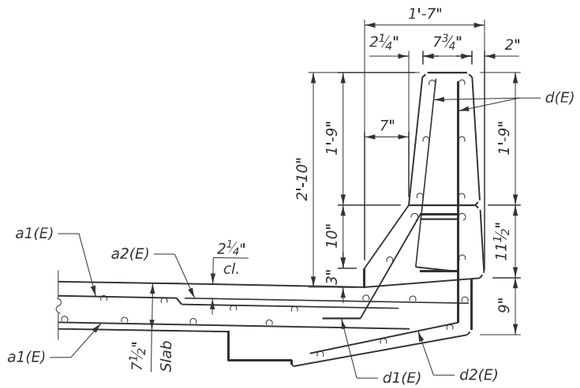


SECTION THRU PARAPET (REMOVAL)

(North Abut. Shown, South Abut. similar)

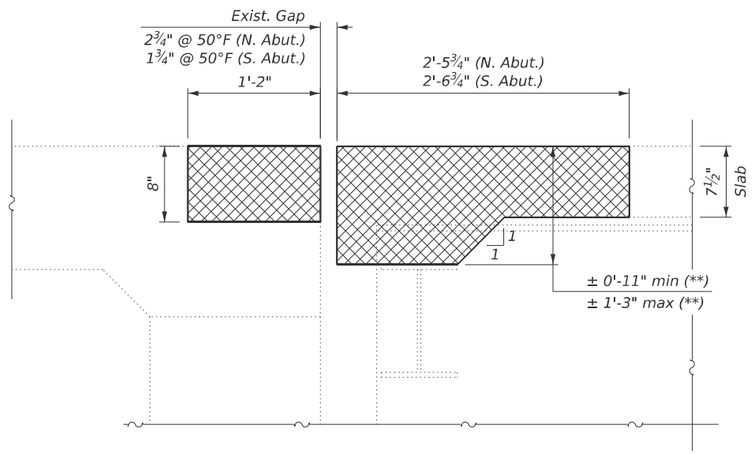


SECTION B-B



SECTION THRU PARAPET (RECONSTRUCTION)

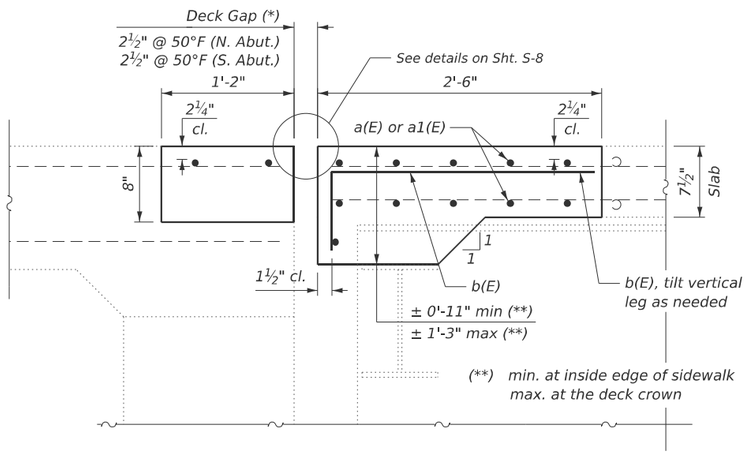
(North Abut. Shown, South Abut. similar)



SECTION A-A (REMOVAL)

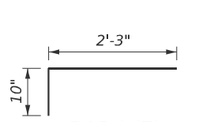
(North Abut. Shown, South Abut. similar)

Note:
Dimensions are at right angles to abutment unless otherwise noted.

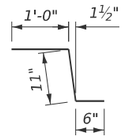


SECTION A-A (RECONSTRUCTION)

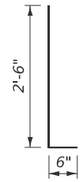
(North Abut. Shown, South Abut. similar)



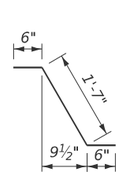
BAR b(E)



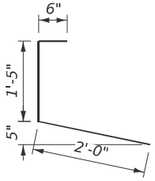
BAR c(E)



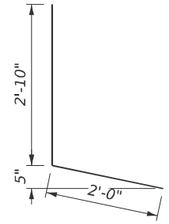
BAR d(E)



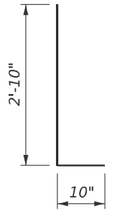
BAR d1(E)



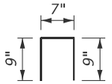
BAR d2(E)



BAR d3(E)



BAR d4(E)



BAR d5(E)

BAR LIST - BOTH ABUTMENTS

Bar	No.	Size	Length	Shape
a(E)	22	#5	20'-9"	
a1(E)	22	#5	16'-3"	
a2(E)	10	#5	6'-0"	
b(E)	74	#4	3'-1"	
c(E)	14	#5	2'-5"	
c1(E)	14	#5	5'-8"	
d(E)	20	#5	3'-0"	
d1(E)	10	#5	2'-7"	
d2(E)	10	#5	3'-11"	
d3(E)	10	#4	4'-10"	
d4(E)	10	#6	3'-8"	
d5(E)	4	#4	2'-1"	
h(E)	4	#6	21'-0"	
h1(E)	4	#6	16'-7"	

BILL OF MATERIAL

Item	Unit	Total
Concrete Removal	Cu. Yd.	11.4
Concrete Superstructure	Cu. Yd.	11.3
Protective Coat	Sq. Yd.	36
Reinforcement Bars, Epoxy Coated	Pound	1,640
Bar Splicers	Each	26
Remove and Re-Erect Existing Bridge Rail	Foot	55

(*) Deck gap dimension noted is based on a Rolled Rail Strip Seal Joint. If Contractor elects to use the Welded Rail Strip Seal Joint, deck dimensions may require adjustments to satisfy the details on Base Sheet S-8. Please see Preformed Joint Strip Seal sheet for more details.

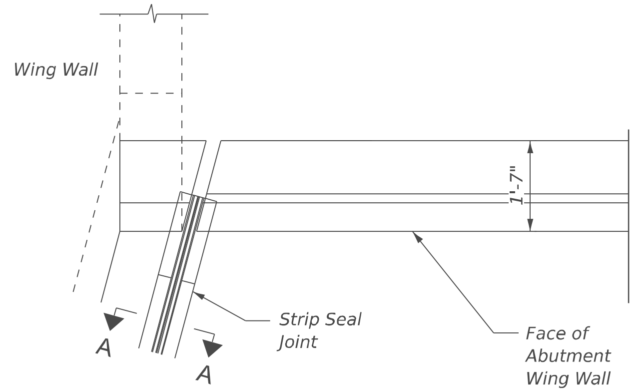
USER NAME = DanielPruchnick	DESIGNED - HP	REVISED - ####	
	DRAWN - DP	REVISED - ####	
PLOT SCALE = $SCALE$	CHECKED - VP	REVISED - ####	
PLOT DATE = 1/28/2026	DATE - 01/29/2026	REVISED - ####	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT SECTIONS, DETAILS, & BAR LIST
STRUCTURE NO. 050-0218

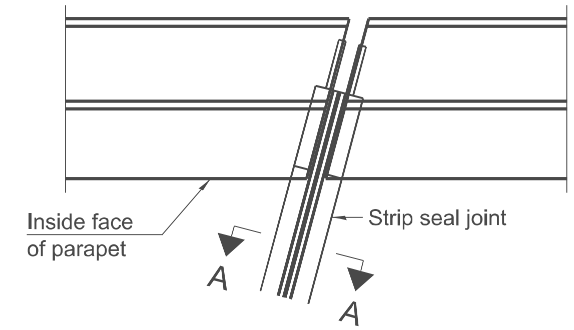
SHEET S-7 OF S-12 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR	LASALLE	45	38
		CONTRACT NO. 66R64		
ILLINOIS	FED. AID PROJECT			



FOR SKEWS ≤ 30°

PLAN AT PARAPET (NE QUADRANT)



FOR SKEWS ≤ 30°

PLAN AT PARAPET (SE QUADRANT)

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.

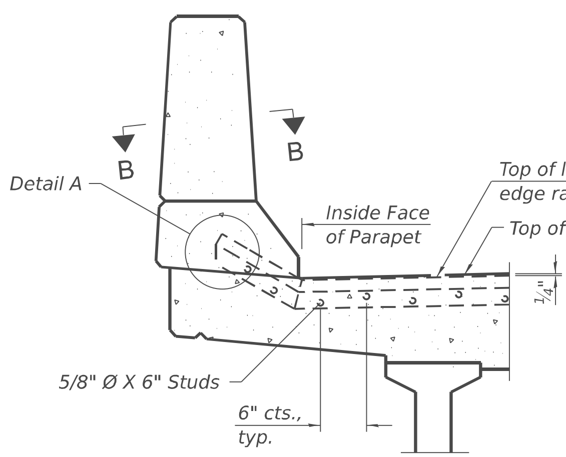
All steel components shall be galvanized after fabrication according to article 520.03 of the Standard Specifications.

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.

Cost of parapet sliding plates, embedded plates, and anchorage studs included with Preformed Joint Strip Seal.

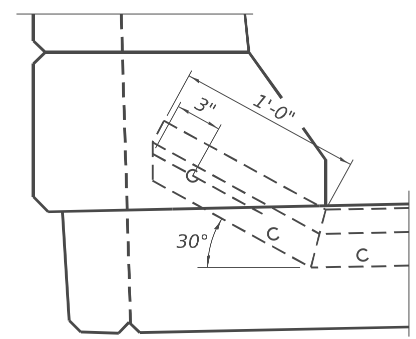
34" f-shape barrier shown, 42" f-shape similar as noted.

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.

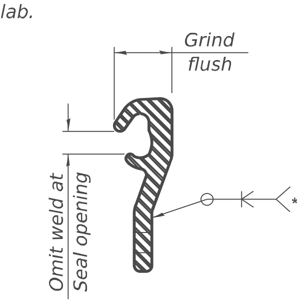


ELEVATION AT PARAPET

(SKEWS > 30° SHOWN. SKEWS ≤ 30° SIMILAR EXCEPT AS SHOWN IN PLAN VIEW.)

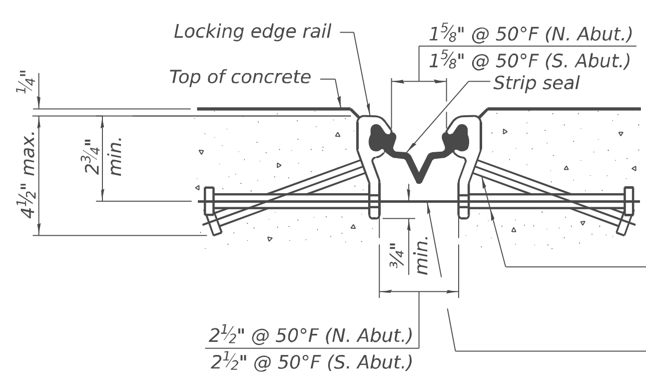


DETAIL A



LOCKING EDGE RAIL SPLICE

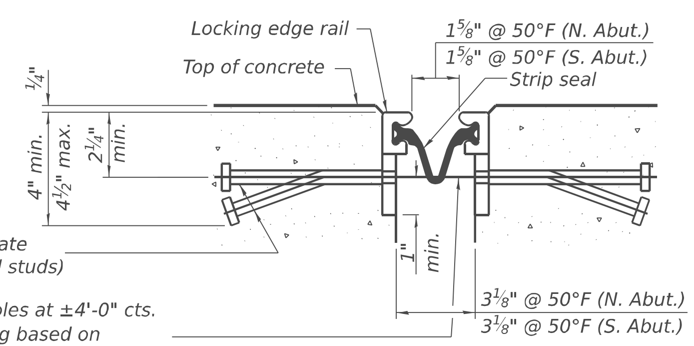
The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.



SHOWING ROLLED RAIL JOINT

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

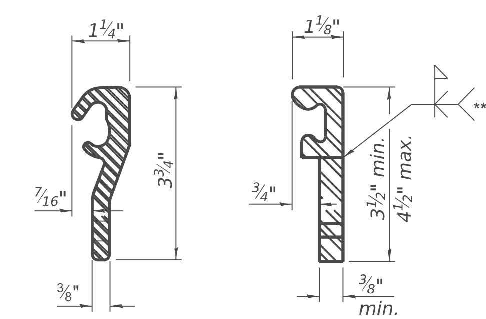
3/8" Φ threaded rods in 3/16" Φ holes at ±4'-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.



SHOWING 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.



LOCKING EDGE RAILS

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

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	74

MODEL: Br. Sheet_Consultant
FILE NAME: C:\Users\DanielPruchnick\10-4 Engineering\10-4 Engineering - Documents\Projects\02-103-00 IDOT PTB 213-037 D3 Phase II V-V\600 CADD DESIGN\606 Structural\WO-3_C66R64\WO3_050-0218\Sheet\Page 8_Preformed Joint Seal Details - East side South Elevation

10-4 Engineering, PLLC

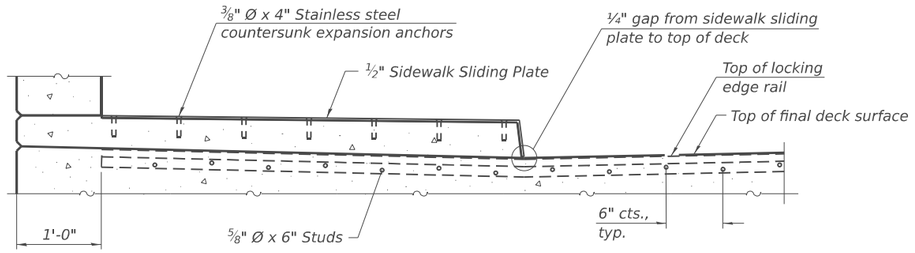
USER NAME = DanielPruchnick	DESIGNED - HP	REVISED - ####	
	DRAWN - DP	REVISED - ####	
PLOT SCALE = $SCALE$	CHECKED - VP	REVISED - ####	
PLOT DATE = 1/19/2026	DATE - 01/29/2026	REVISED - ####	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

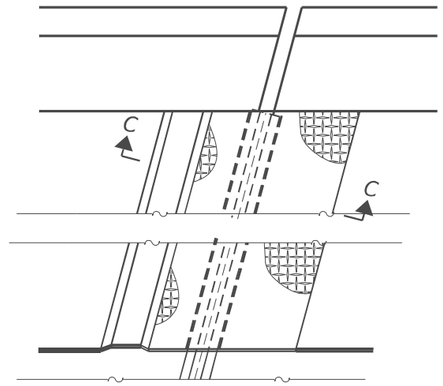
PREFORMED JOINT STRIP SEAL - EAST
STRUCTURE NO. 050-0218

SHEET S-8 OF S-12 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR	LASALLE	45	39
		CONTRACT NO. 66R64		
		ILLINOIS	FED. AID PROJECT	

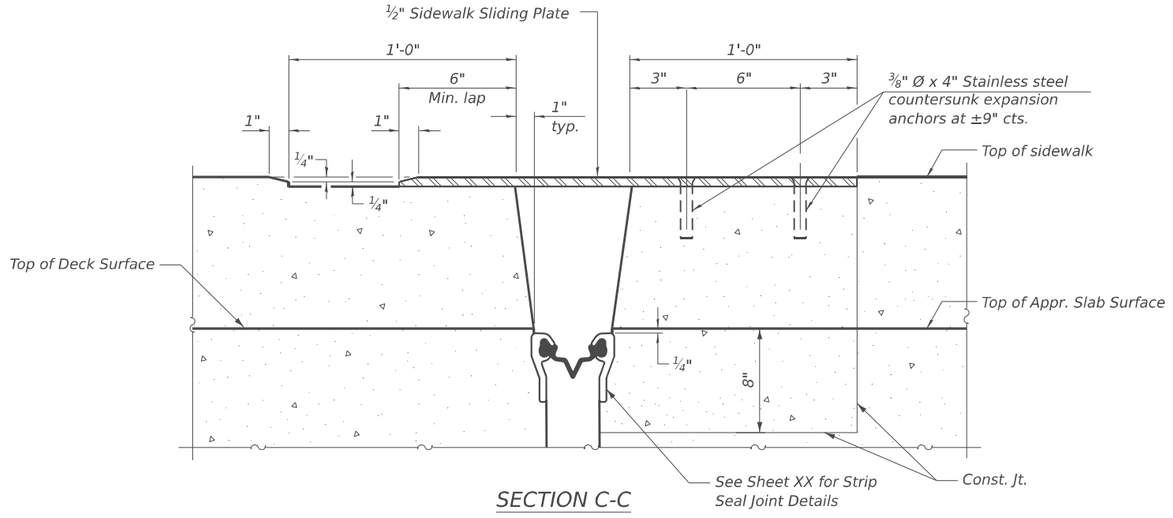


SECTION AT RAISED SIDEWALK

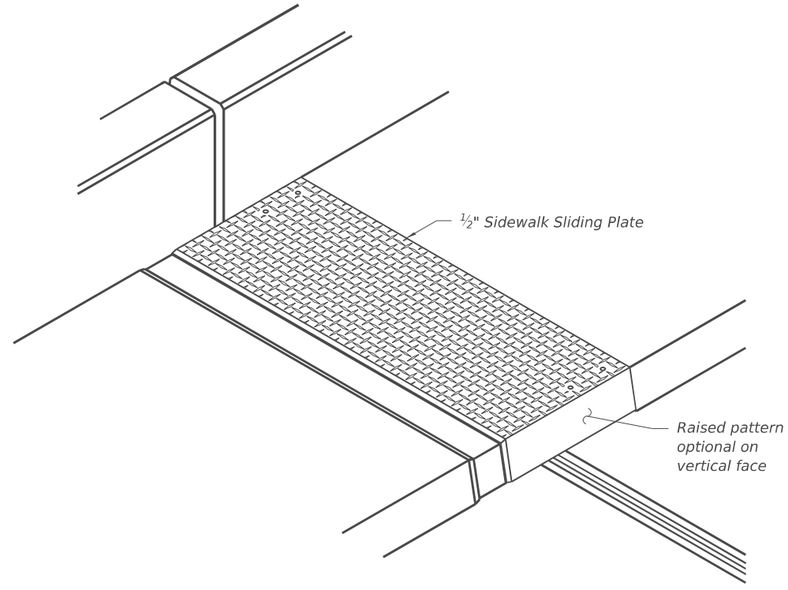


(FOR SKEWS ≤ 30°)

PLAN AT RAISED SIDEWALK



SECTION C-C



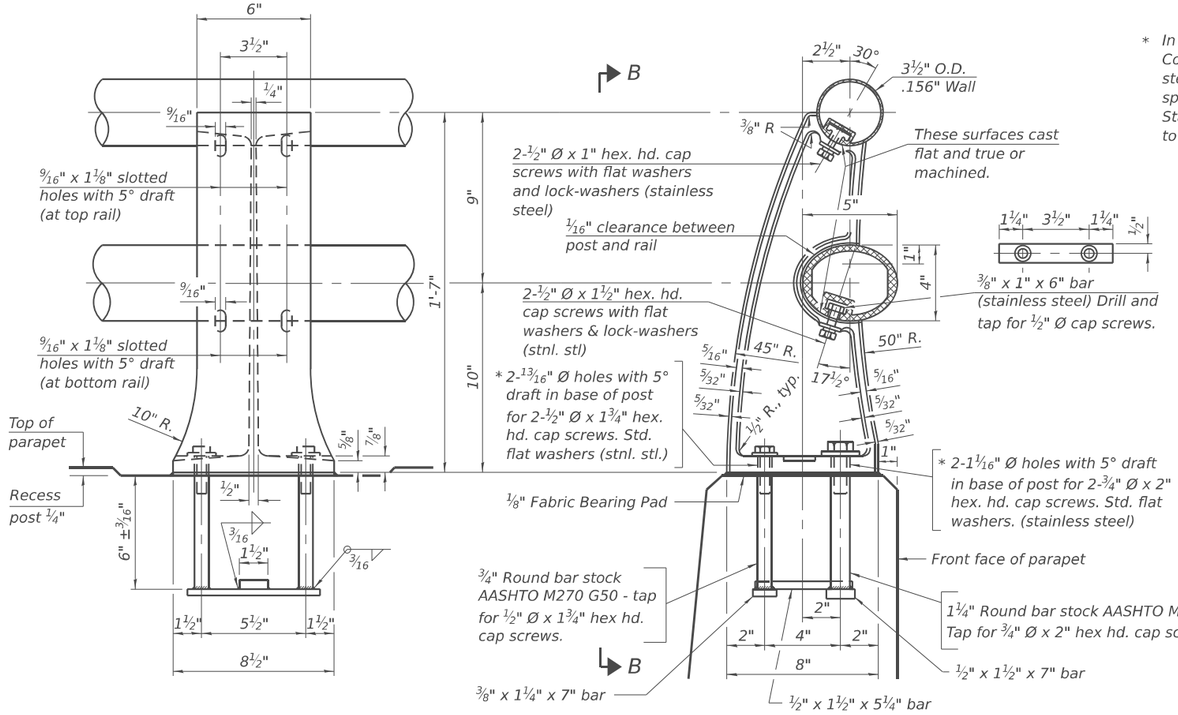
TRIMETRIC VIEW

Note:
Cost of sidewalk sliding plates, and expansion anchors are included with Preformed Joint Strip Seal.

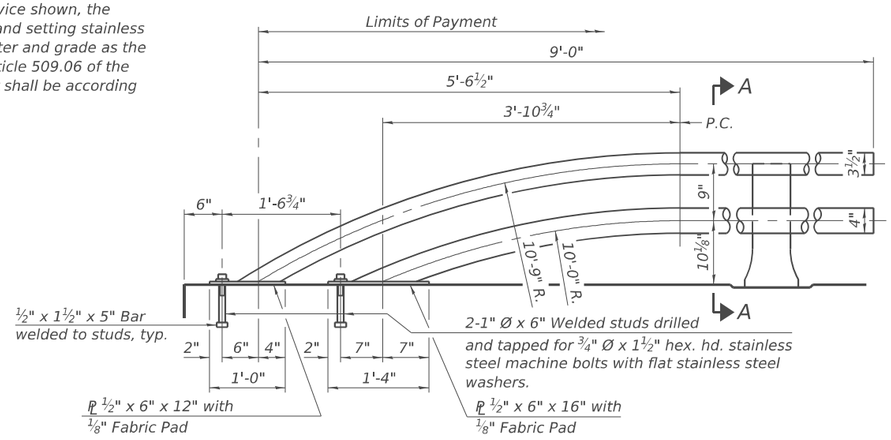
10-4 Engineering, PLLC

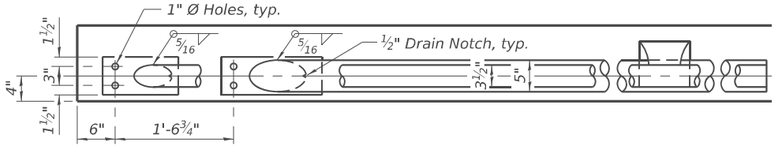
USER NAME = DanielPruchnick	DESIGNED - HP	REVISED - ####	**STATE OF ILLINOIS**	**PREFORMED JOINT STRIP SEAL - WEST**	
	DRAWN - DP	REVISED - ####	**DEPARTMENT OF TRANSPORTATION**	**STRUCTURE NO. 050-0218**	
PLOT SCALE = $SCALE$	CHECKED - VP	REVISED - ####		SHEET S-9 OF S-12 SHEETS	
PLOT DATE = 8/22/2025	DATE - 01/29/2026	REVISED - ####			

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR	LASALLE	45	40
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		



* *In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 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.*





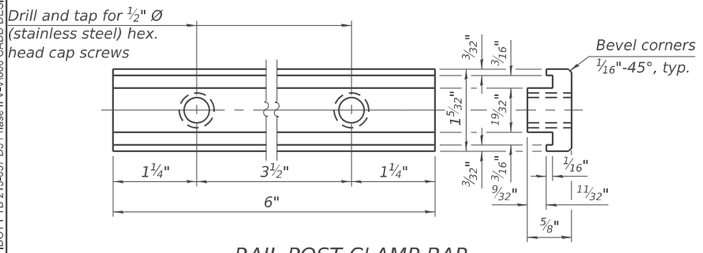
RAIL TERMINAL SECTION

Note: The end rail post shall be set back as required for the terminal rail section.

VIEW B-B

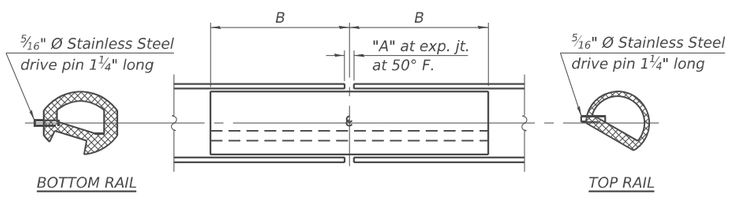
SECTION A-A

RAIL POST DETAILS

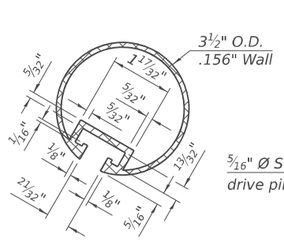


RAIL POST CLAMP BAR

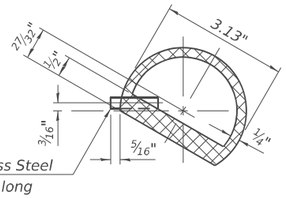
For Top Rail



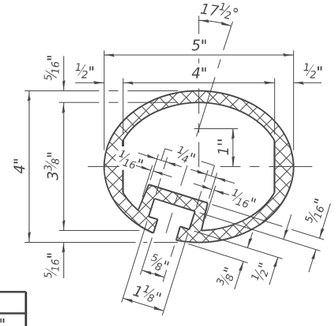
RAIL SPLICE



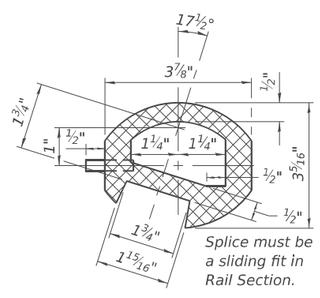
SECTION THRU TOP RAIL



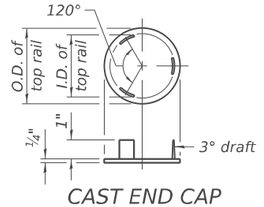
SECTION THRU TOP RAIL SPLICE



SECTION THRU BOTTOM RAIL

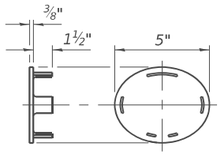


SECTION THRU BOTTOM RAIL SPLICE



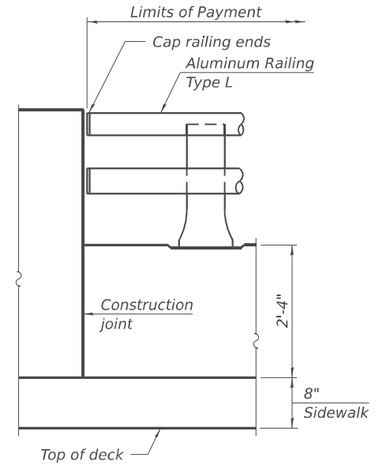
CAST END CAP

For top rail
Drive Fit Type



CAST END CAP

For bottom rail
Drive Fit Type



RAIL END TREATMENT FOR TYPE 5 AND 6 TERMINAL

Notes:

All Posts shall be normal to parapet.

All joints in rail shall be spliced per detail.

All exposed rail ends shall be capped per detail.

Provide 1-⅛" and 2-1⁄16" Aluminum Shims for 25% of the Posts. Rail elements shall be parallel to Grade, high spots shall be ground and low spots shimmed.

Place reinforcement bars to miss anchor rod locations.

See sheet of for rail post spacing.

RAILING CRITERIA

NCHRP 350 Test Level	4
Post Spacing Range	7'-0" - 10'-0"
Rail Weight (plf)	40

SPLICE DIMENSIONS

Location	T	A	B
All locs. not over exp. jts.	0	⅜"	1'-2"
Over Strip Seal Jt.	≤4"	2½"	1'-2"
Over Finger or Modular Jt.	≤9½"	5½"	1'-7¾"
Over Finger or Modular Jt.	≤15"	8¼"	2'-1¼"

T = ; total movement along centerline of roadway at expansion joint.

R-20 5-15-2023

10-4 Engineering, PLLC

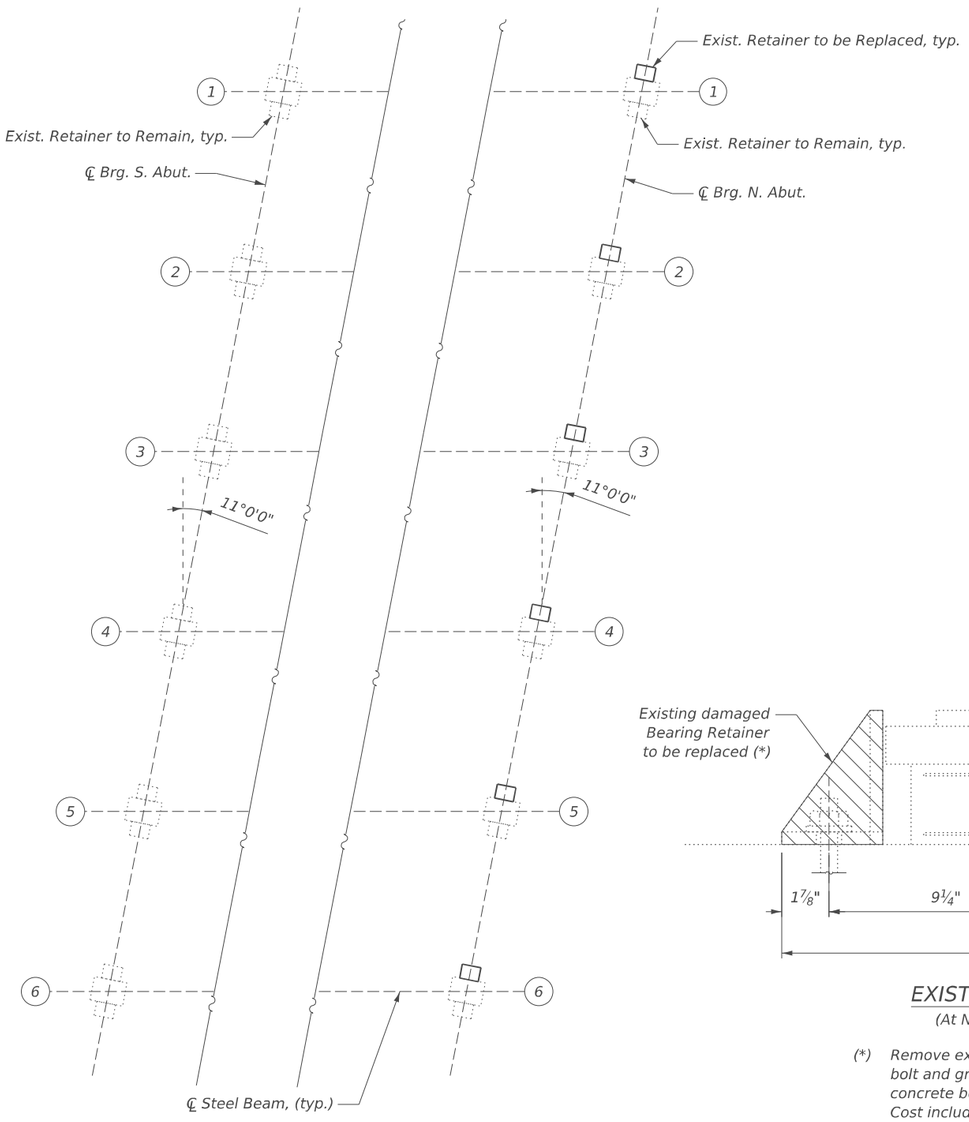
USER NAME = DanielPruchnick		DESIGNED - HP		REVISED - ####	
		DRAWN - DP		REVISED - ####	
PLOT SCALE = $SCALE$		CHECKED - VP		REVISED - ####	
PLOT DATE = 1/28/2026		DATE - 01/29/2026		REVISED - ####	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

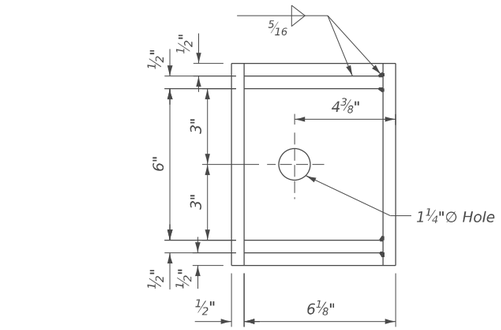
ALUMINUM RAILING, TYPE L
STRUCTURE NO. 050-0218
SHEET S-10 OF S-12 SHEETS

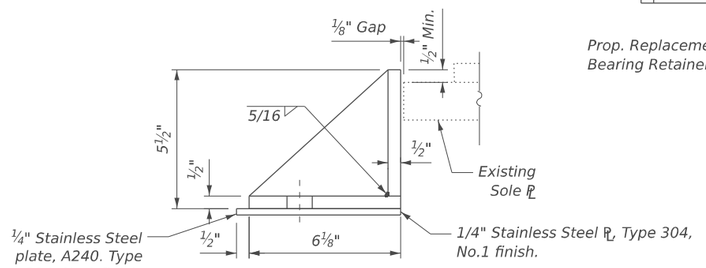
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR	LASALLE	45	41
		CONTRACT NO. 66R64		
		ILLINOIS	FED. AID PROJECT	

MODEL: Br_Sheet_Consultant
FILE NAME: C:\Users\DanielPruchnick\10-4 Engineering\10-4 Engineering - Documents\Projects\02-103-00 IDOT PTB 213-037 D3 Phase II V-A\600 CADD DESIGN\606 Structural\WO-3_C66R64\WO3_050-0218\Sheet\Page 10_R20 Railing Detail.dgn



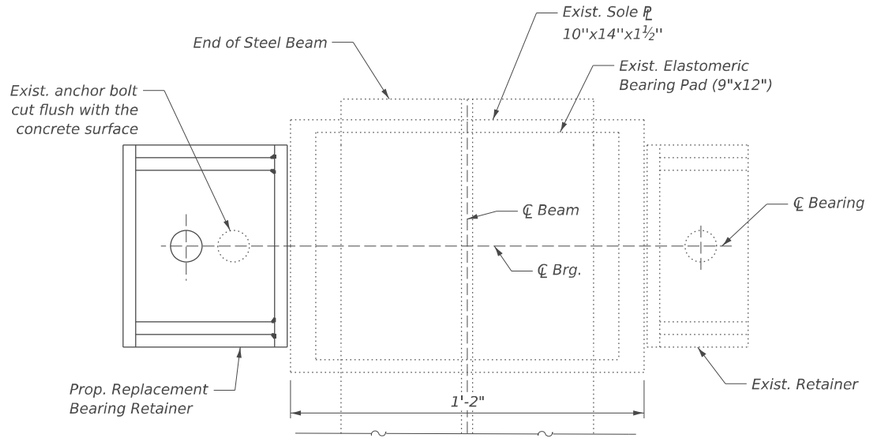
FRAMING PLAN



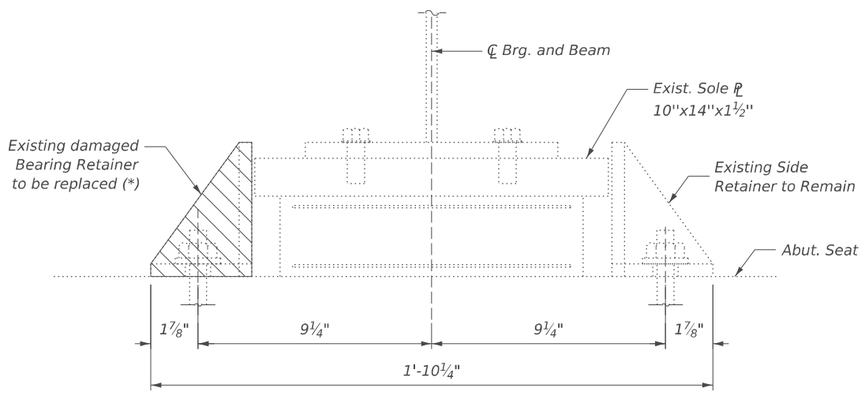


NEW RETAINER DETAIL

(6 locations)



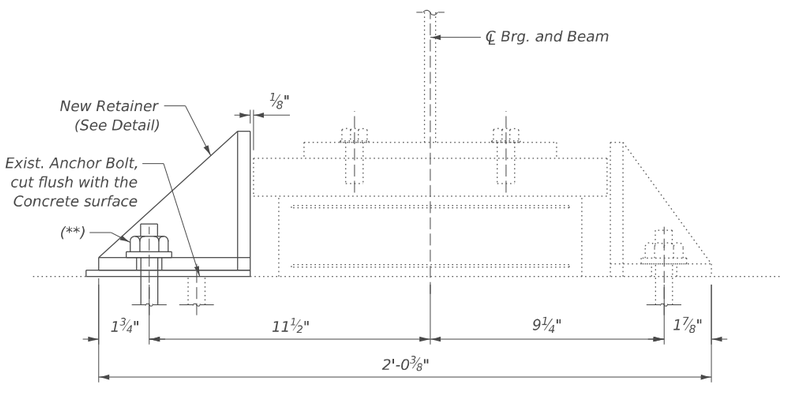
NEW RETAINER PLAN VIEW



EXISTING RETAINER SECTION

(At North Abutment, Looking North)

(*) Remove existing side retainer, and cut off anchor bolt and grind it smooth to the top of the existing concrete bearing seat.
Cost included with Structural Steel Removal.



NEW RETAINER SECTION

(At North Abutment, Looking North)

(**) 1" dia. anchor bolt, drill and grout, 12'' min. embedment into concrete, with 2 1/2" x 2 1/2"x 5/16" ℄ washer

Note:
The structural steel plates shall conform to the requirements of AASHTO M270 Grade 36.
Anchor bolts shall be ASTM F1554 all-thread Grade 36.
ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36.
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
All side retainers shall be hot dip galvanized according to AASHTO M111.

BILL OF MATERIAL

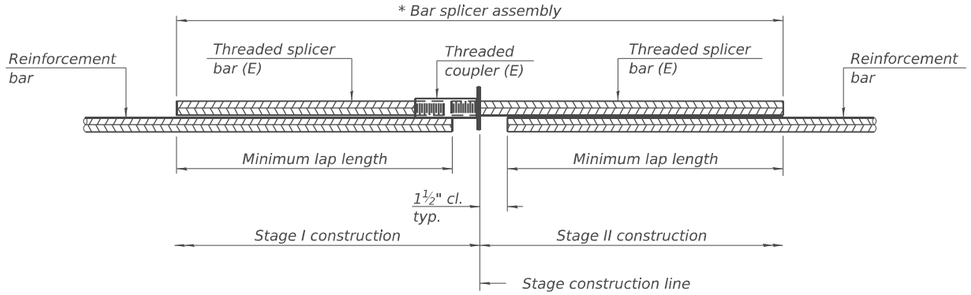
Item	Unit	Total
Furnishing and Erecting Structural Steel	Pound	123
Anchor Bolts, 1"	Each	6
Structural Steel Removal	Pound	77

USER NAME = DanielPruchnick	DESIGNED - HP	REVISED - ####	
	DRAWN - DP	REVISED - ####	
PLOT SCALE = $SCALE$	CHECKED - VP	REVISED - ####	
PLOT DATE = 1/29/2026	DATE - 01/29/2026	REVISED - ####	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING RETAINER REPLACEMENT
STRUCTURE NO. 050-0218
SHEET S-11 OF S-12 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR	LASALLE	45	42
		CONTRACT NO. 66R64		
	ILLINOIS FED. AID PROJECT			



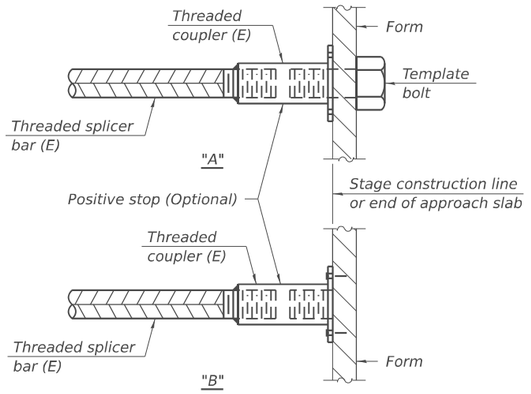
STANDARD BAR SPLICER ASSEMBLY PLAN

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

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

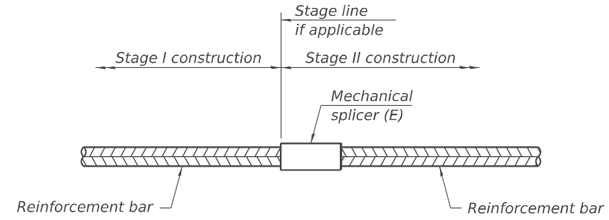
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
N. Abut. - Deck	#5	11	3'-10"
N. Abut. - (Block out)	#6	2	4'-0"
S. Abut. - Deck	#5	11	3'-10"
S. Abut. - (Block out)	#6	2	4'-0"



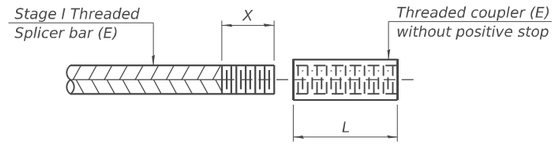
INSTALLATION AND SETTING METHODS

"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

USER NAME = DanielPruchnick	DESIGNED - HP	REVISED - ####
	DRAWN - DP	REVISED - ####
PLOT SCALE = $SCALE$	CHECKED - VP	REVISED - ####
PLOT DATE = 1/28/2026	DATE - 01/29/2026	REVISED - ####

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO.050-0218
SHEET S-12 OF S-12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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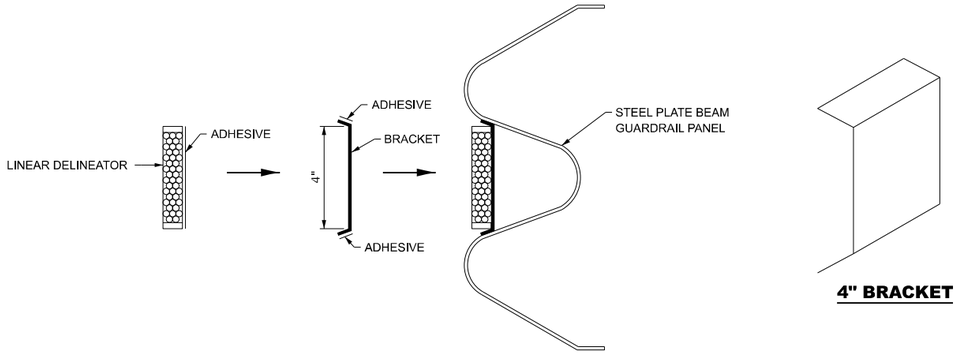
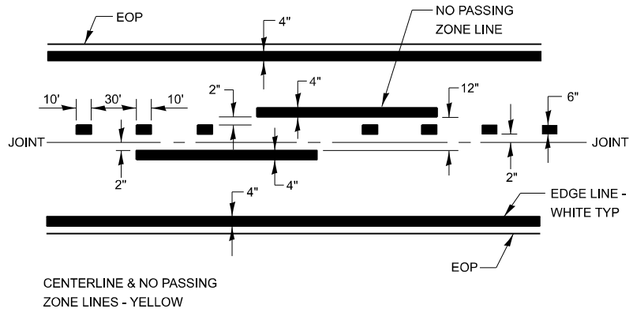
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		



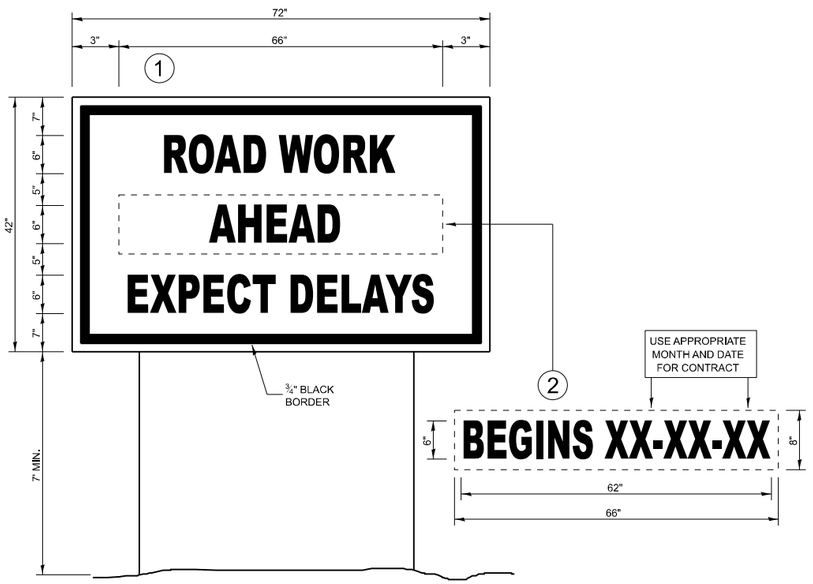
4" BRACKET

LINEAR DELINEATOR APPLICATION TO STANDARD GALVANIZED GUARDRAIL

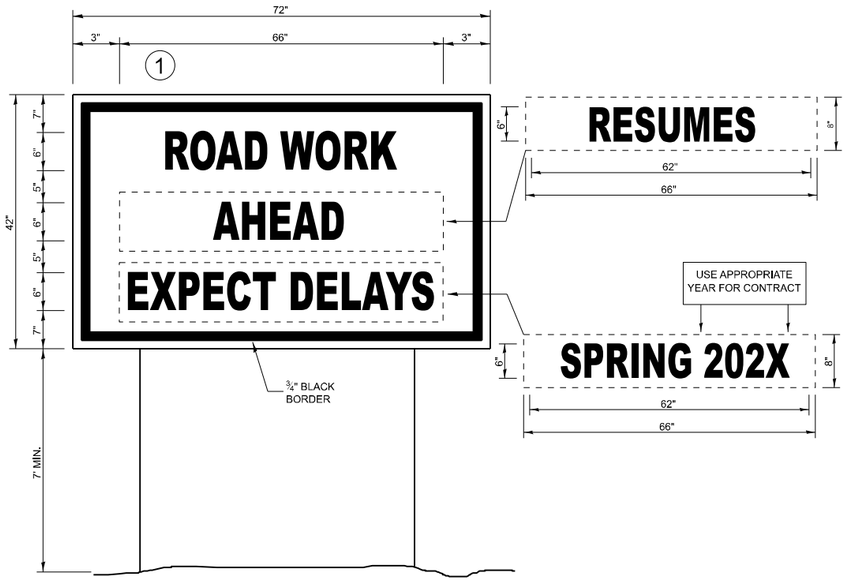
LINEATOR DELINEATOR SHALL BE APLLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS



PAVEMENT MARKING



TEMPORARY INFORMATION SIGNING



WINTER SHUT DOWN SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN①WITH INSTALLED PANEL②A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL②ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL②WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

MODEL: Details [Sheet]
FILE NAME: E:\2422-3\CADD_Sheets\D366R64-sht-details.dgn

LIN ENGINEERING,LTD.
Consulting Engineers
Westmont, Illinois

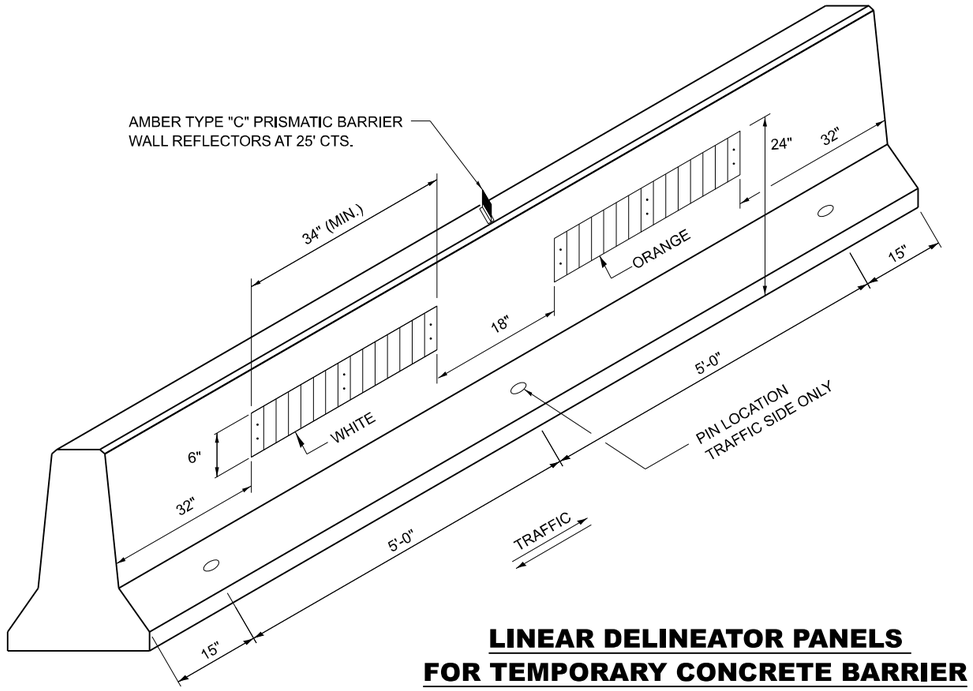
USER NAME = 14nho		DESIGNED -	NH	REVISED -
		DRAWN -	NH	REVISED -
PLOT SCALE = 0.16666667 ' / in.		CHECKED -	RC	REVISED -
PLOT DATE = 11/14/2025		DATE -	1/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

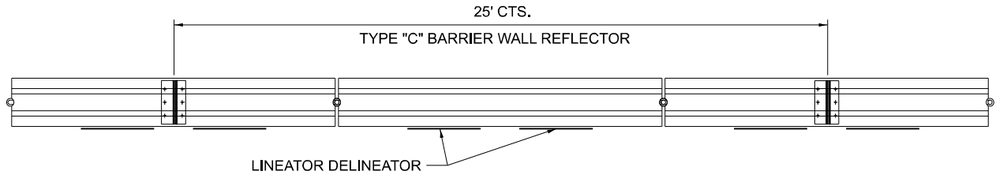
IL 351/71 OVER LONE STAR CEMENT RAILROAD
DETAILS

SCALE: N.T.S. | SHEET 1 OF 2 SHEETS | STA. | TO STA.

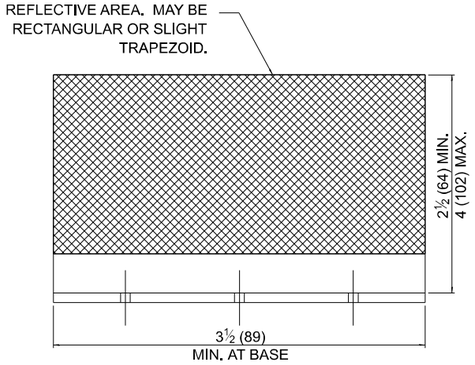
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR & (70-VBR-1)BRR	LASALLE	45	44
		CONTRACT NO. 66R64		
	ILLINOIS FED. AID PROJECT			

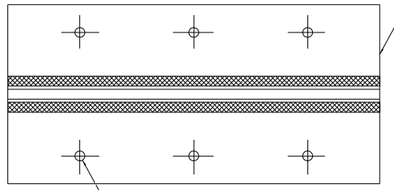


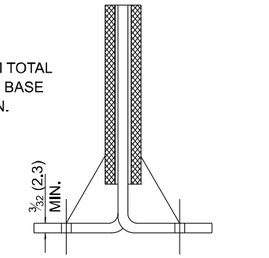
LINEAR DELINEATOR PANELS FOR TEMPORARY CONCRETE BARRIER



TYPE "C" REFLECTOR FOR TEMPORARY CONCRETE BARRIER

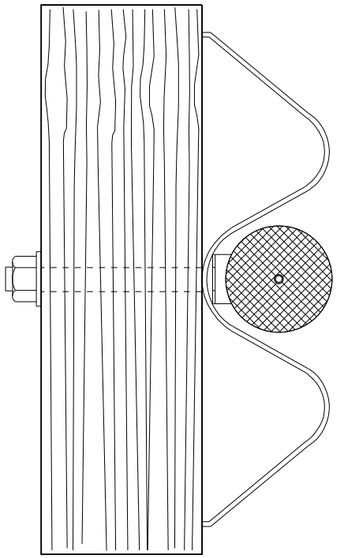




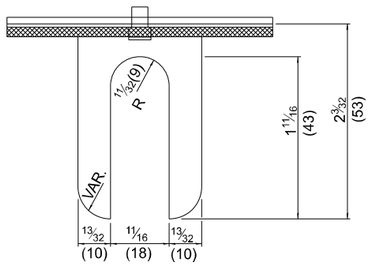


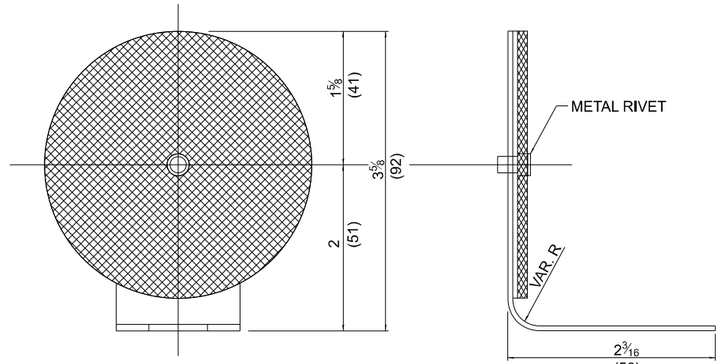
REFLECTOR TYPE C

TEMPORARY CONCRETE BARRAIER WALL



TYPICAL MOUNTING DETAIL FOR GUARDRAIL TYPE "A" REFLECTOR





REFLECTOR TYPE A

(MONODIRECTIONAL SHOWN)
STEEL PLATE BEAM GUARDRAIL

MODEL: ####
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USER NAME = cbarh	DESIGNED - RW	REVISED -	
	DRAWN - RW	REVISED -	
	CHECKED - YP	REVISED -	
PLOT DATE = 11/5/2025	DATE - 6/7/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 351/71 OVER LONE STAR CEMENT RAILROAD
GUARDRAIL / BARRIER WALL DELINEATION DETAILS

SCALE: N.T.S. | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	(2HB)BRR & (70-VBR-1)BRR	LASALLE	45	45
		CONTRACT NO. 66R64		
	ILLINOIS	FED. AID PROJECT		