03-08-2024 LETTING ITEM 011

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT IS LOCATED IN GRANT TOWNSHIP

POSTED SPEED LIMIT = 45 MPH

FUNCTIONAL CLASS = OTHER PRINCIPAL ARTERIAL

EXPIRES NOV. 30. 2025

DEC. 05, 2023

TRAFFIC_DATA

2021 ADT = 11.500

EXPIRES NOV. 30, 2024

DEC. 05, 2023

0

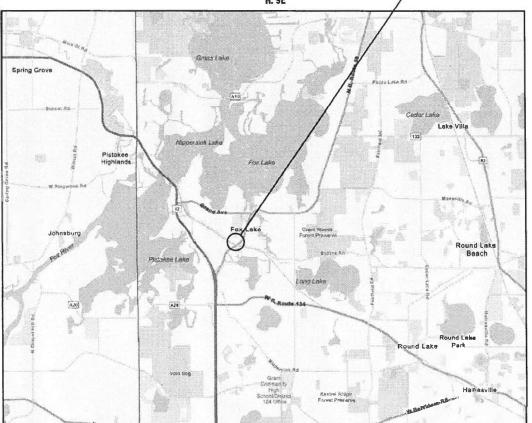
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 104 (IL 59) **OVER METRA RAILROAD & ROLLINS ROAD SECTION FAP 0104 22 BJ** PROJECT NHPP-E662(524) **BRIDGE DECK OVERLAY** AND JOINT REPAIR (STRUCTURE NO. 049-0171) LAKE COUNTY

C-91-262-22



LOCATION MAP

GROSS LENGTH = 1100 FT. = 0.208 MILE NET LENGTH = 1100 FT. = 0.208 MILE

CONTRACT NO. 62R92

1-800-892-0123 OR 811

0

ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS

PROJECT ENGINEER: RODRIGO LEDEZMA, P.E. (847–705–4580)

PROJECT MANAGER: J. ALAIN MIDY, P.E. (847-221-3056)

PROJECT LOCATION **STRUCTURE NO. 049–0171** R. 9E

D-91-209-22

FAP 0104 22 BJ

LAKE ILLINOIS CONTRACT NO. 62R92







PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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- DRAINAGE PLAN 14-22 STRUCTURAL PLAN
- D1 STANDARD DETAIL BD-32: BUTT JOINT AND HMA TAPER DETAILS
- D1 STANDARD DETAIL BM-21: REMOVE AND RERECT STEEL PLATE BEAM GUARDRAIL
- D1 STANDARD DETAIL TC-10: TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
- D1 STANDARD DETAIL TC-11: RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
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- D1 STANDARD DETAIL TC-16: SHORT-TERM PAVEMENT MARKING LETTERS AND SYMBOLS
- D1 STANDARD DETAIL TC-22: DISTRICT ONE ARTERIAL ROAD INFORMATION SIGN

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
542301-03	PRECAST REINFORCE CONCRETE FLARED END SECTION
610001-09	SHOULDER INLET WITH CURB
630001-13	STEEL PLATE BEAM GUARDRAIL
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24' (600MM) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-09	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

IDOT DISTRICT 1 STANDARD DETAILS

STANDARD NO. <u>DESCRIPTION</u>	
BD - 32 BUTT JOINT AND HMA TAPER DETAIL BM - 21 REMOVE AND RERECT STEEL PLATE TC - 10 RAISED REFLECTIVE PAVEMENT MAR TC - 13 DISTRICT ONE TYPICAL PAVEMENT M TC - 22 DISTRICT ONE ARTERIAL ROAD INFO	BEAM GUARDRAIL FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS KERS (SNOW PLOW RESISTANT) ARKINGS ETTERS AND SYMBOLS

HMA MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ NDES	QUALITY MANAGEMENT PROGRAM (QMP)			
HMA OVERLAY AND BUTT JOINT					
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1¾"	4% AT 70 GYR.	QC/QA			
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA)					

- 1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN.
- 2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

GENERAL NOTES

- 1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC TELEPHONE AND GAS FACILITIES (48 HOUR NOTIFICATION REQUIRED).
- 2. EXISTING COMED FACILITIES WITHIN THE PROJECT LIMITS TO BE PROTECTED FROM DAMAGE BY CONTRACTOR. IF LARGE EQUIPMENT WILL BE USED NEAR EXISTING OVERHEAD LINES, FACILITY PROTECTION MAY BE REQUIRED. IF FACILITY PROTECTION IS REQUIRED, PLEASE CALL 1-800-334-7661 TO CREATE A TICKET FOR LINE PROTECTION AS SOON AS
- 3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 4. REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.
- 5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 6. THE CONTRACTOR SHALL TAKE EXTREME CARE WHEN PERFORMING DEMOLITION AND REMOVAL AROUND THE EXITING FACILITIES TO REMAIN IN PLACE. IF EXISTING ELEMENTS ARE DAMAGED, THE CONTRACTOR SHALL REPAIR/RESTORE TO MATCH THE EXISTING CONDITIONS OR BETTER.
- 7. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCES, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING
- 8. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OUTSIDE THE REMOVAL LINES SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
- 9. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 10. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- 11. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 12. TWO WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT MR. FADI SULTAN, AREA TRAFFIC FIELD ENGINEER, AT FADI.SULTAN@ILLINOIS.GOV.

ORION
ENGINEERS

USER NAME = npatel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2023	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

IND	EX OF SHEETS,	, STATE	STANDARDS, AND	GENERAL NOTES
F./	A.P. 104 (IL 59)	OVER	METRA RAILROAD	& ROLLINS RD
SCALE:	SHEET	OF	SHEETS STA.	TO STA.

F.A.P. RTE.	SEC	TION		COUNTY	TOTAL SHEETS	SHE
104	04 FAP 0104 22 BJ			LAKE	32	2
				CONTRACT	NO. 6	2R92
		ILLINOIS	FED. A	D PROJECT		

					80% FED 20% STATE
		I	<u> </u>	I	
5	CODE	ITEM	UNIT	TOTAL	BR I DGE 0059
Γ.	NO.	I I EIM	ONT	QUANTITY	049-0171
	20100500	TREE REMOVAL, ACRES	ACRE	0.04	0.04
	20101100	TREE TRUNK PROTECTION	EACH	6	6
	2440454				
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	202	202
	25000300	SEEDING, CLASS 3	ACRE	0.05	0.05
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	5	5
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	5	5
	25100900	TURF REINFORCEMENT MAT	SQ YD	202	202
	28000400	PERIMETER EROSION BARRIER	FOOT	120	120
	28100107	STONE RIPRAP, CLASS A4	SQ YD	48	48
	28200200	FILTER FABRIC	SQ YD	48	48
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	529	529
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	243	243
	40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	100	100
	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	80	80
	50102400	CONCRETE REMOVAL	CU YD	20.5	20.5
	50157300	PROTECTIVE SHIELD	SQ YD	1729	1729
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	23.3	23.3
	50300300	PROTECTIVE COAT	SQ YD	2621	2621

			1	TOTAL	80% FED 20% STATE BRIDGE
SP	CODE	ITEM	UNIT	TOTAL	0059
J1	NO.	1120		QUANTITY	049-0171
	50201250	CONCRETE SUBERSTRUCTURE (ARRESONCE STAR)	CU YD	29.9	29.9
	50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	0 10	29.9	29.9
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	6 ,500	6 ,500
	50800515	BAR SPLICERS	EACH	24	24
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	160	160
				-	_
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	3	3
	542A1897	PIPE CULVERTS, CLASS A, TYPE 3 12"	FOOT	60	60
	58700300	CONCRETE SEALER	SQ FT	190	190
	30700300		34 11	130	130
	61000050	CONCRETE THRUST BLOCKS	EACH	2	2
	61000225	TYPE F INLET BOX, STANDARD 610001	EACH	3	3
	61000225	TIPE F INLET BOX, STANDARD 010001	EACH	3	3
	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4
	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2
	63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	305	305
	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	75	75
	66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2
	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1
	00901001	REGULATED SUBSTAINCES FRE-CONSTRUCTION FLAN	L 30IVI	1	1
	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1
	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	15	15
	67100100	MOBILIZATION	L SUM	1	1



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.P. 104 (IL 59) OVER METRA RAILROAD & ROLLINS RD

SHEET 1 OF 2 SHEETS STA. TO STA.

CONSTRUCTION CODE

					CONSTRUCTION CODE 80% FED 20% STATE
SP	CODE NO.	ITEM	UNIT	TOTAL QUANT I TY	BRIDGE 0059
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	180	049-0171 180
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	860	860
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2167	2167
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	8600	8600
	70307120	TENFORANT FAVENCINI MARKING - LINE 4 - TITE IV TAFE	1001	8000	8000
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	700	700
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	700	700
	70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
	70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2815	2815
	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	19	19
	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	101	101
	7000000	THE TENED EASTE FAVERENT MAINTING ETNE 12	1001	101	101
	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	36	36
	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	3319	3319
	78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	195	195
	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	91	91
	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	8	8
	78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	172	172
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	27	27
	, 0300200	TATION REFERENCE TAVERENT MARKET REPOVAL	LACIT	21	

-	*	70012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN			
	*	Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	8	8
			LESS THAN 5 INCHES)	34 11	204	204
\dashv	*	Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR	SQ FT	204	204
\dashv				34 10	-273	2273
\dashv	*	Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	2249	2249
\dashv				30 10		2273
\dashv	*	Z0006016	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 3/4 INCHES	SQ YD	2249	2249
\dashv						
	*	Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	15	15
	*	Z0001495	BRIDGE APPROACH SHOULDER REMOVAL	SQ YD	113	113
- *	*	A/83UU52	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT	EACH	35	35
*	*	X7830052	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT	EACH	25	35
1						
	*	X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	35	35
	*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
\dashv	*	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12
_						
+		73030230	BRIDGE BECK GROOTING (EGNOTIONINAL)	3Q 1D	1440	1440
	*	X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	1446	1446
	*	X0326766	CLEAN & RESEAL RELIEF JOINT	FOOT	72	72
\dashv		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	2558	2558
\dashv		70200202	DAVEMENT MARKING REMOVAL WATER REACTING			049-0171
	SP	NO.	ITEM	UNIT	QUANTITY	0059
_		CODE			TOTAL	BRIDGE
						80% FED 20% STATE

ORION

 USER NAME
 = npatel
 DESIGNED
 REVISED

 DRAWN
 REVISED

 PLOT SCALE
 = 2.0000 \(\) / in.
 CHECKED
 REVISED

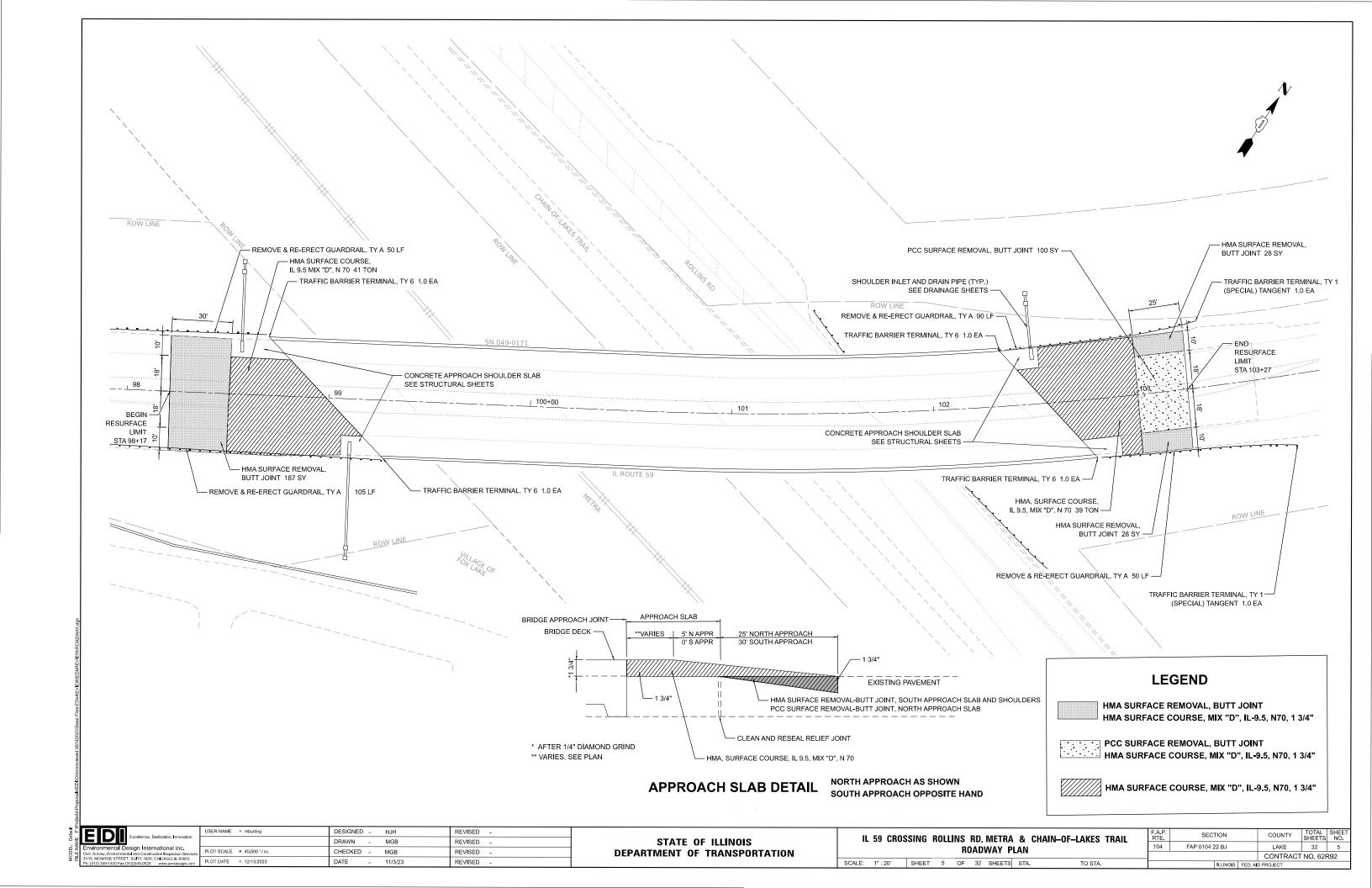
 PLOT DATE
 = 12/14/2023
 DATE
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES F.A.P. 104 (IL 59) OVER METRA RAILROAD & ROLLINS RD F.A.P. SECTION COUNTY TOTAL SHEET NO.

104 FAP 0104 22 BJ LAKE 32 4

CONTRACT NO. 62R92



SUGGESTED MAINTENANCE OF TRAFFIC SEQUENCING

STAGE 1

REMOVE PERMANENT PAVEMENT MARKINGS TO THE LIMITS SHOWN IN THE PLANS AND THE SCHEDULE OF PAVEMENT MARKING REMOVAL

INSTALL ALL STAGE 1 CONSTRUCTION TRAFFIC CONTROL SIGNS, DRUMS, BARRICADES, TEMPORARY CONCRETE BARRIER, TEMPORARY IMPACT ATTENUATORS, AND TEMPORARY PAVEMENT MARKINGS AS DETAILED IN STAGE 1 PLANS AND APPROPRIATE STANDARD DRAWINGS.

SHIFT ALL TRAFFIC TO THE EAST OF THE CENTERLINE OF SN 049-0171.

COORDINATE WORK TO BE COMPLETED IN THIS STAGE WITH DETAILS IN THE BRIDGE PLANS.

STAGE 2

REMOVE STAGE 1 TEMPORARY PAVEMENT MARKINGS THAT WOULD CONFLICT WITH STAGE 2 TRAFFIC MOVEMENT

INSTALL ALL STAGE 2 CONSTRUCTION TRAFFIC CONTROL SIGNS, DRUMS, BARRICADES, TEMPORARY CONCRETE BARRIER, TEMPORARY IMPACT ATTENUATORS, AND TEMPORARY PAVEMENT MARKINGS AS DETAILED IN STAGE 1 PLANS AND APPROPRIATE STANDARD DRAWINGS.

SHIFT ALL TRAFFIC TO THE WEST OF THE CENTERLINE OF SN 049-0171.

COORDINATE WORK TO BE COMPLETED IN THIS STAGE WITH DETAILS IN THE BRIDGE PLANS.

POST STAGE

REMOVE ALL CONSTRUCTION TRAFFIC CONTROL AND TEMPORARY CONSTRUCTION ITEMS.

REMOVE ANY REMAINING EXISTING TEMPORARY PAVEMENT MARKINGS WITHIN THE PERMANENT PAVEMENT MARKING LIMITS.

INSTALL PERMANENT PAVEMENT MARKINGS.

MAINTENANCE OF TRAFFIC GENERAL NOTES

- 1. THE MAINTENANCE OF TRAFFIC CONTROL (MOT) PLANS SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. HOWEVER, THE CONTRACTOR MAY MODIFY THE MOT PLANS TO MEET CONSTRUCTION NEEDS, BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE MOT PLANS SHALL BE SUBMITTED TO THE TRAFFIC CONTROL SUPERVISOR FOR APPROVAL.
- 2. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY PROPOSED CHANGE TO THE MOT PLANS.
- 3. 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 EVENT. THE SIGNS SHALL BE REMOVED TWO WEEKS THEREAFTER UNLESS THEY ARE NEEDED IN A SUBSEQUENT FUTURE EVENT THAT WILL OCCUR WITHIN TWO WEEKS ON THE SAME APPROACH OF THE EFFECTED ROADWAY. CHANGEABLE MESSAGE SIGN LOCATION SHALL BE AS DIRECTED BY THE ENGINEER.
- 4. TEMPORARY TRAFFIC SIGNAL TIMING SHALL BE UTILIZED AT IL 59 AND DEVLIN ROAD FOR STAGES 1 AND 2 OF THE TRAFFIC CONTROL PLAN.
- 5. TYPE C BI-DIRECTIONAL CRYSTAL REFLECTORS INSTALLED ON EXISTING BRIDGE PARAPET SHALL BE REMOVED AT THE CONCLUSION OF MOT OPERATIONS AT NO ADDITIONAL COST TO THE DEPARTMENT.

SCHEDULE OF TEMPORARY BARRIER AND REFLECTORS

	Station		Temp Co	nc Barrier	Reflectors		
Location			Set	Relocate	Parapet, Ty C		
Location			Stage 1	Stage 2	Stage 1	Stage 2	
	Begin	End	Foot	Foot	Each	Each	
Temp Conc Barrier at CL	97+00	104+00	700	700	56	56	
E Bridge Parapet 25' c-c	99+28	102+80			30		
W Bridge Parapet 25' c-c	98+69	102+33				30	
TOTAL	700	700	17	72			

SCHEDULE OF PAVEMENT MARKING AND REMOVA	۸L
---	----

							rmoplastic	PM		Andified L	Jrethane PN	л	Temp Mark	Pavement	Short-Tern
ltem	Location	Sta	tion	Of	fset	12"	6"	4"	Letters & Symbols	12"	6"	4"	4"	Mark Rem Water Blast	Pvt Mark
		Begin	End	Min	Max	Foot	Foot	Foot	Sq Ft	Foot	Foot	Foot	Foot	Sq Ft	Sq Ft
						STAGE 1		I	I			1	ı		
Remove Mark-Water Blast	West 4" White Edgeline	95+00	98+10	18' Lt	18' Lt									103	
	West 4" White Edgeline	103+50	105+70	18' Lt	18' Lt									73	-
	West Ctr Dbl Yellow 4" Line	95+00	98+10	6' Lt	6' Lt									413	-
	West Ctr Dbl Yellow 4" Line	103+50	105+70	6' Lt	6' Lt									293	-
	East Ctr Dbl Yellow 4" Line	95+00	104+00	0' Lt	6' Rt									1200	
	Median Striping 12" Line	96+00 th		6' Lt	6' Rt									48	
	East 4" White Edgeline	95+00	105+00	18' Rt	22' Rt									333	-
	4" Turn Lane Line	104+30	106+00	6' Rt	6' Rt			1	-					57	
Remove Mark-Water Blast	"Only" & Arrow in Turn Lane	104+40	104+60	0' Rt	O' Rt									37	+
4" White Temp Tape, Type IV	West Edgeline	95+00	105+70	0' Rt	18' Lt								1070		
4" Yellow Temp Tape, Type IV	Center Double Stripe	95+00	105+70	0' Lt	15' Rt								2140		
4" White Temp Tape, Type IV	East Edgeline	95+00	104+70	18' Rt	27' Rt								970		
1						STAGE 2		ı					1		
Temp Marking Removal	Stage 1 West Edgeline	95+00	98+10	0' Rt	18' Lt									-	103
Temp Marking Removal	Stage 1 West Edgeline	103+30	105+70	0' Rt	18' Lt										80
Temp Marking Removal	Stage 1 Ctr Dbl Yellow Stripe	95+00	98+10	0' Lt	14' Rt										207
Temp Marking Removal	Stage 1 Ctr Dbl Yellow Stripe	103+30	105+70	0' Lt	15' Rt										160
Temp Marking Removal	Stage 1 East Edgeline	95+00	98+10	18' Rt	27' Rt										103
Temp Marking Removal	Stage 1 East Edgeline	103+30	104+70	22' Rt	23' Rt										47
4" White Temp Tape, Type IV	West Edgeline	95+00	105+70	18' Lt	27' Lt								1070		
4" Yellow Temp Tape, Type IV	Center Double Stripe	95+00	105+70	0' Rt	15' Lt								2140		
4" White Temp Tape, Type IV	East Edgeline	95+00	104+70	0' Lt	18' Rt								970		
		1			PC	ST STAG	<u> </u>		1				1	T	т
Temp Marking Removal	Stage 2 West Edgeline	95+00	105+70	18' Lt	27' Lt										357
Temp Marking Removal	Stage 2 Ctr Dbl Yellow Stripe	95+00	105+70	0' Rt	15' Lt										713
Temp Marking Removal	Stage 2 East Edgeline	95+00	104+70	0' Lt	18' Rt										323
		,		PE	RMANENT	PAVEMEN	T MARKIN	G							_
4" White Edge Line	West Edgeline	95+00	98+89	18' Lt	18' Lt			389						<u> </u>	
4" White Edge Line	West Edgeline	98+89	102+44	18' Lt	18' Lt							355			
4" White Edge Line	West Edgeline	102+44	103+26	18' Lt	18' Lt			82							
4" White Edge Line	West Edgeline	103+26	106+00	11' Lt	18' Lt							274			
4" Yellow Centerline	West CL Double Yellow	95+00	98+92	6' Lt	6' Lt			784							
4" Yellow Centerline	West CL Double Yellow	98+92	102+52	6' Lt	6' Lt							720			
4" Yellow Centerline	West CL Double Yellow	102+52	103+26	6' Lt	6' Lt			148							
4" Yellow Centerline	West CL Double Yellow	103+26	106+00	0' Lt	6' Lt							548			
4" Yellow Centerline	East CL Double Yellow	95+00	99+05	6' Rt	6' Rt			810							
4" Yellow Centerline	East CL Double Yellow	99+05	102+61	6' Rt	6' Rt							712			
4" Yellow Centerline	East CL Double Yellow	102+61	103+26	6' Rt	6' Rt			130							
4" Yellow Centerline	East CL Double Yellow	103+26	104+32	0' Rt	6' Rt							212			
4" White Edge Line	East Edgeline	95+00	99+17	18' Rt	18' Rt			417							
4" White Edge Line	East Edgeline	99+17	102+71	18' Rt	18' Rt							354			
4" White Edge Line	East Edgeline	102+71	103+26	18' Rt	18' Rt			55							
4" White Edge Line	East Edgeline	103+26	104+70	18' Rt	22' Rt							144			
6" White Lane Line	Turn Lane Line	104+32	106+00	6' Rt	6' Rt						168				
6" White Dotted Line	Turn Lane Line Extension	102+50	103+26	6' Rt	6' Rt		19								
6" White Dotted Line	Turn Lane Line Extension	103+26	104+32	6' Rt	6' Rt						27				
12" Yellow Median Hatch	Hatch 75' c-c sk 45 deg RF	95+00	99+00	6' Lt	6' Rt	85									
12" Yellow Median Hatch	Hatch 75' c-c sk 45 deg RF	99+00	102+56	6' Lt	6' Rt					76					
12" Yellow Median Hatch	Hatch 75' c-c sk 45 deg RF	102+56	103+32	6' Lt	6' Rt	16									
12" Yellow Median Hatch	Hatch 75' c-c sk 45 deg RF	103+32	104+00	6' Lt	0' Rt					15				ļ	
			404.55	OI D+	l a.s.	1		I			1	I		1	1
Turn Lane Letters & Symbols	Word "ONLY" and turn arrow TOTAL	104+35	104+55	0' Rt	0' Rt	101	19	2,815	37 37	91	195	3,319	8,360	2,558	2,093

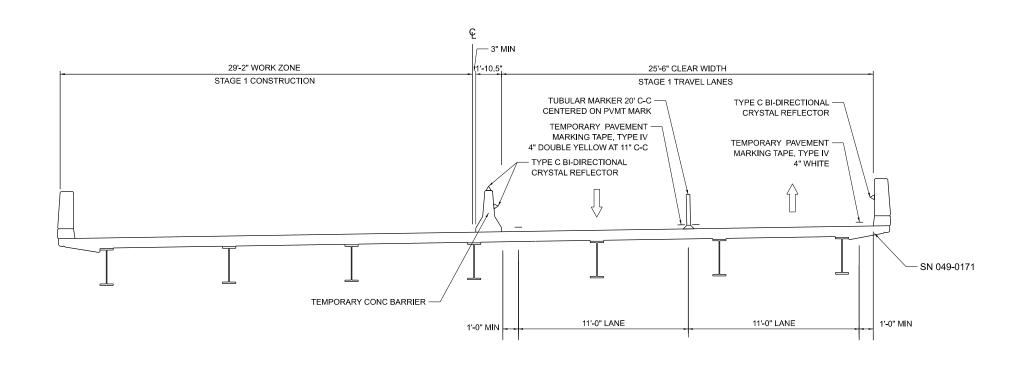
	F.A.P.			$\overline{}$
IL 59 CROSSING ROLLINS RD, METRA & CHAIN-OF-LAKES TRAIL	RTE. SEC		CTION	
MOT NOTES, SCHEDULES, AND CONSTRUCTION SEQUENCE	104	FAP 0104 22	2 BJ	
1101 110120, 0011250220, 71115 001101110111011 022021102				
SCALE: NA SHEET 6 OF 32 SHEETS STA. TO STA.			ILLINOIS	FED. AIT

COUNTY

LAKE

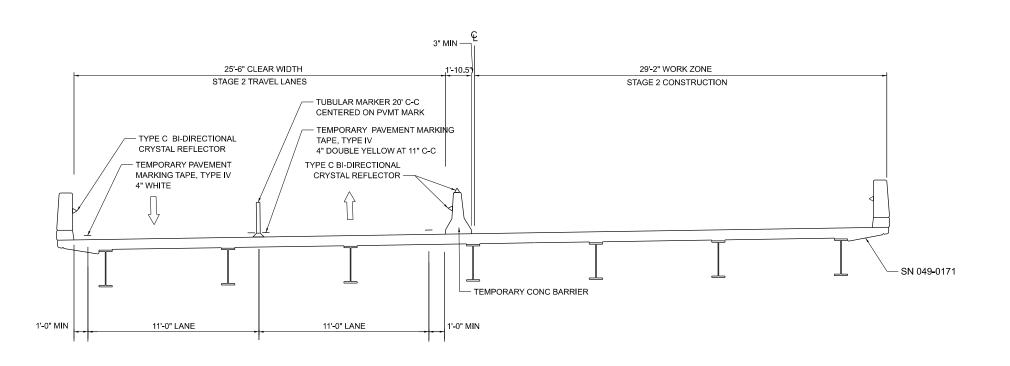
32

CONTRACT NO. 62R92



STAGE 1

(LOOKING NORTH)



STAGE 2

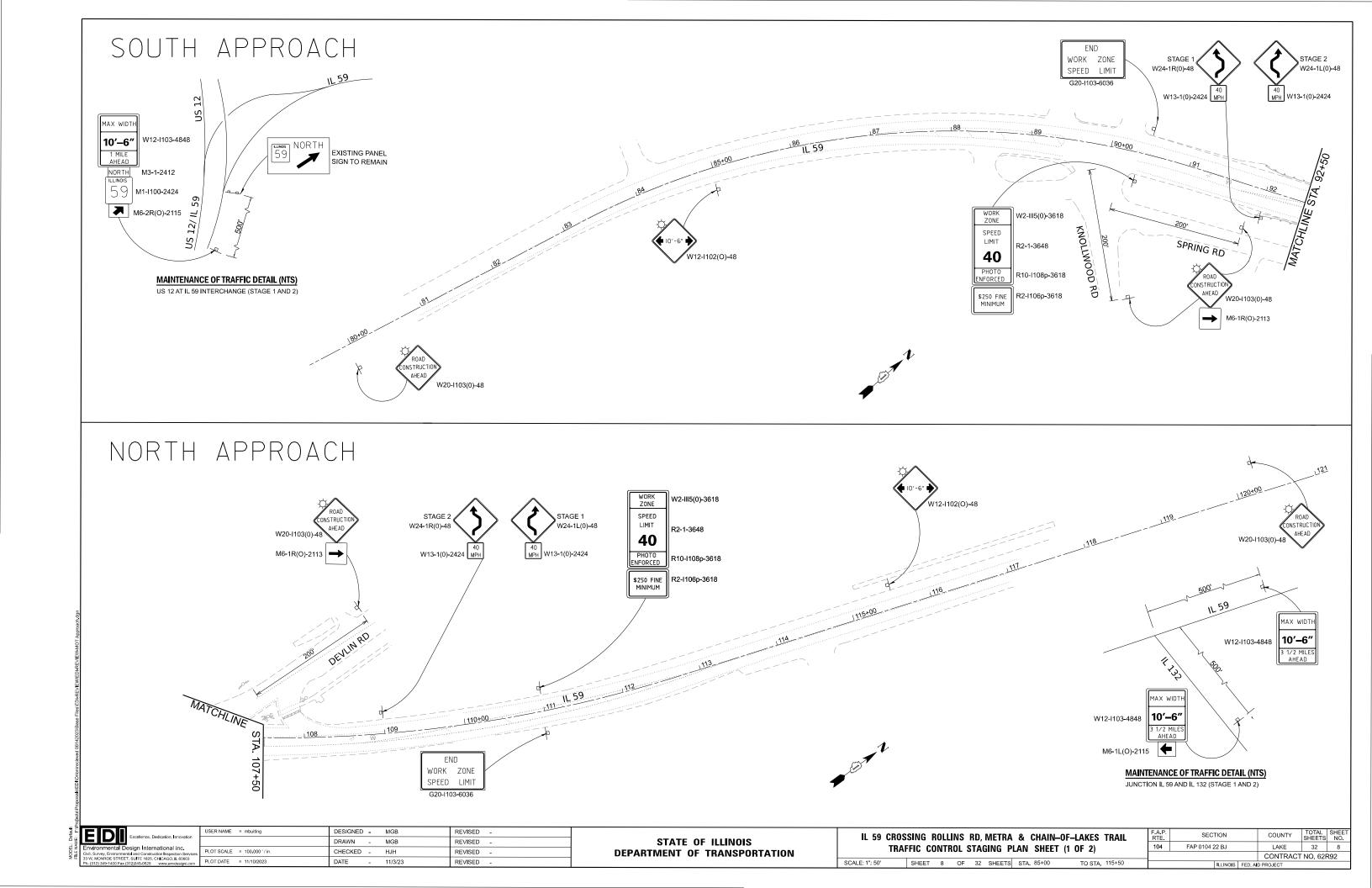
(LOOKING NORTH)

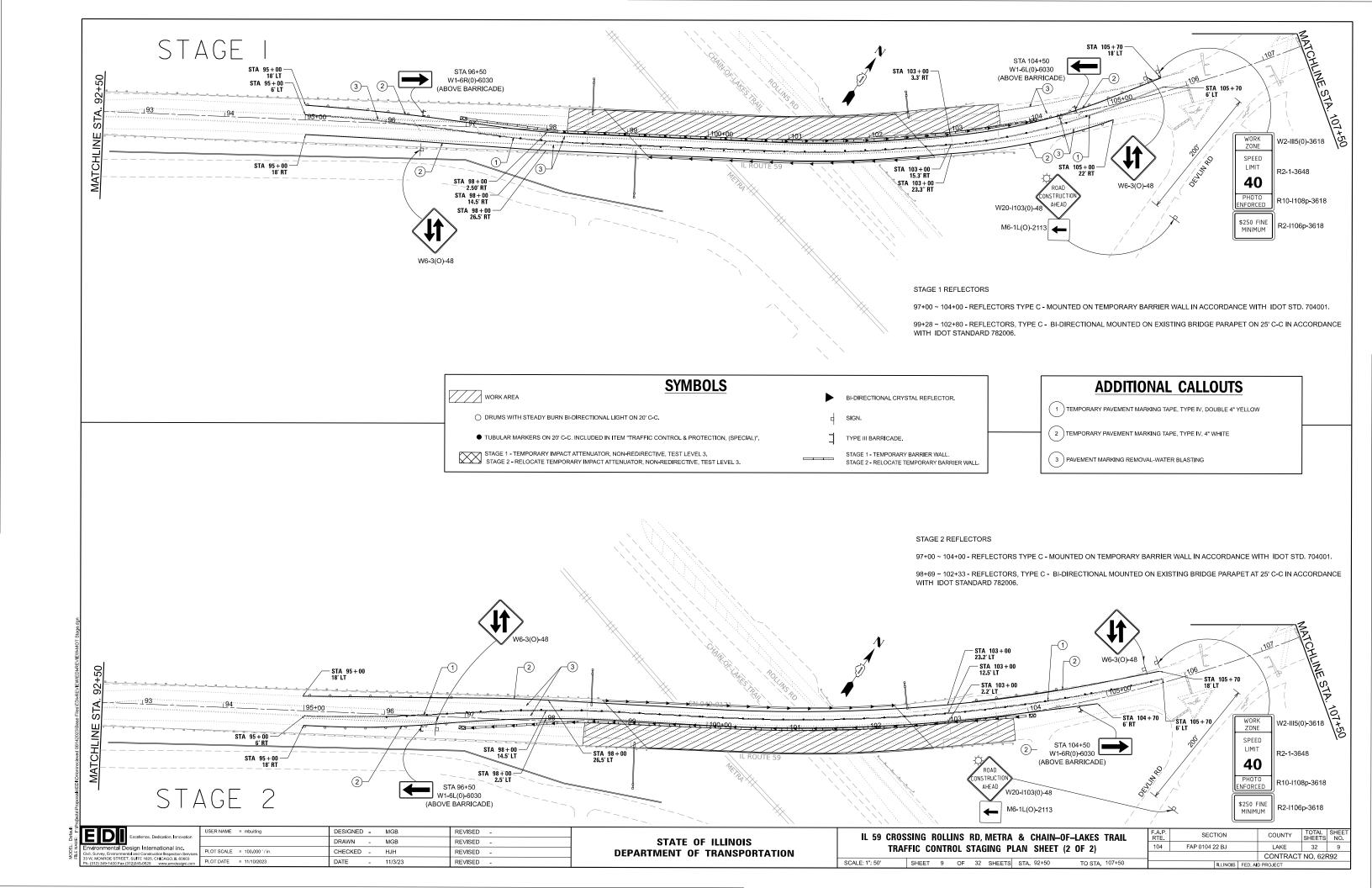
- Delaun VME: F∴P		US							
	Excellence, Dedication, Innovation								
į≥	Environmental Design International inc.								
FILE	Civil, Survey, Environmental and Construction Inspection Services								
E III	33 W. MONROE STREET, SUITE 1825, CHICAGO, IL 60603	PL							
	Ph. (312) 345-1400 Fax (312)345-0529 www.envdesigni.com	, ~							

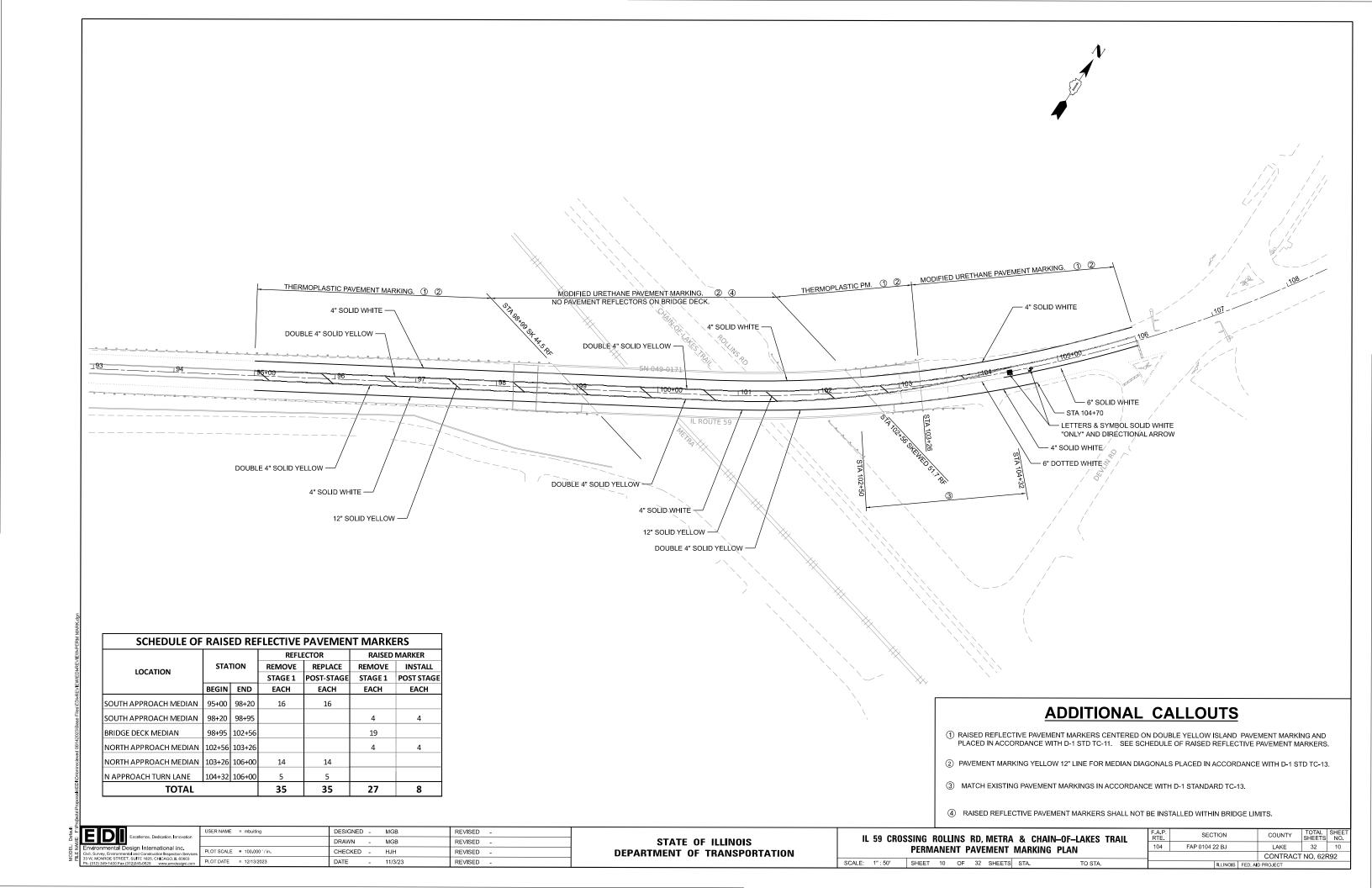
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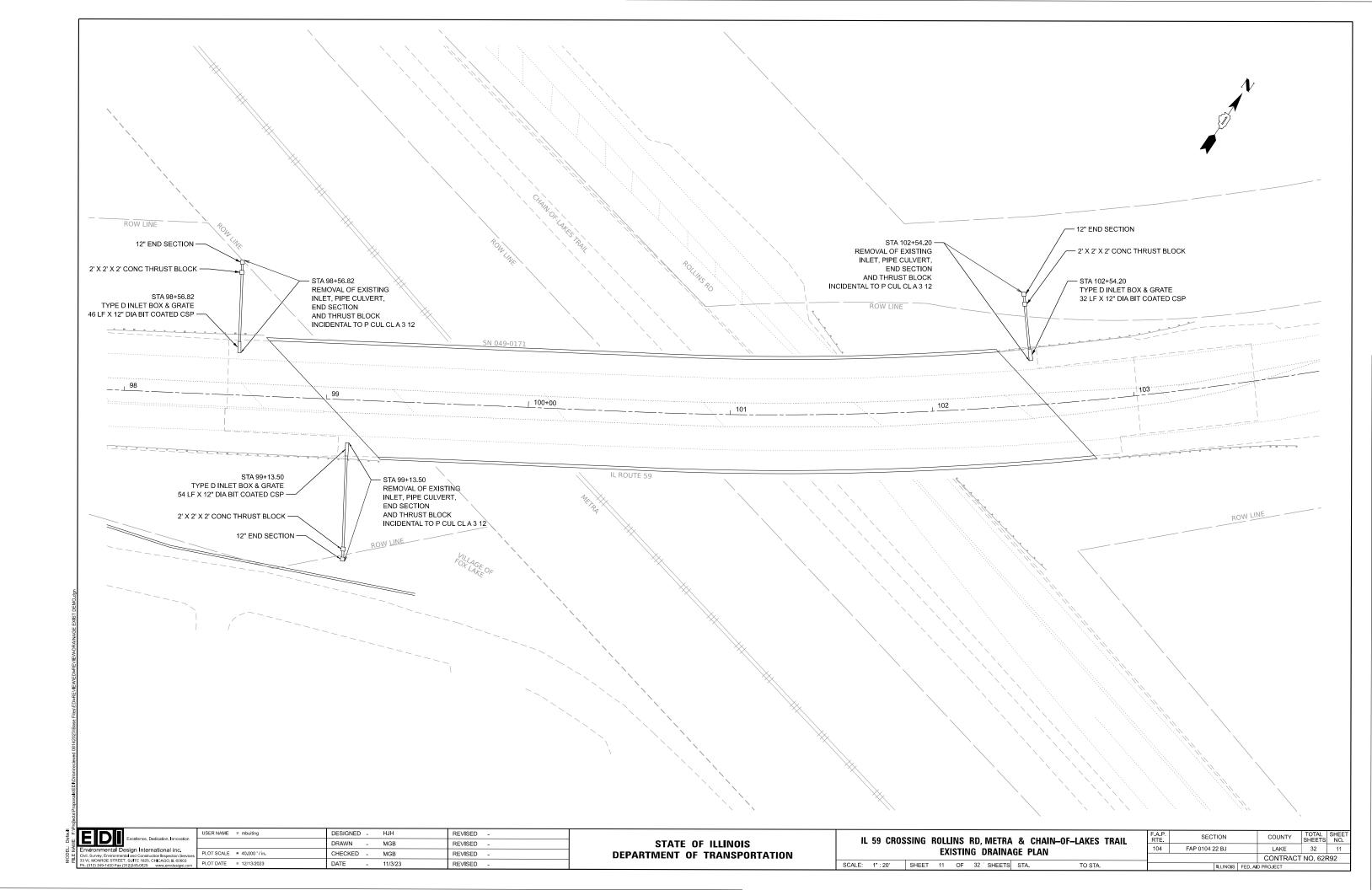
STATE OF ILLINOIS							
DEPARTMENT	OF	TRANSPORTATION					

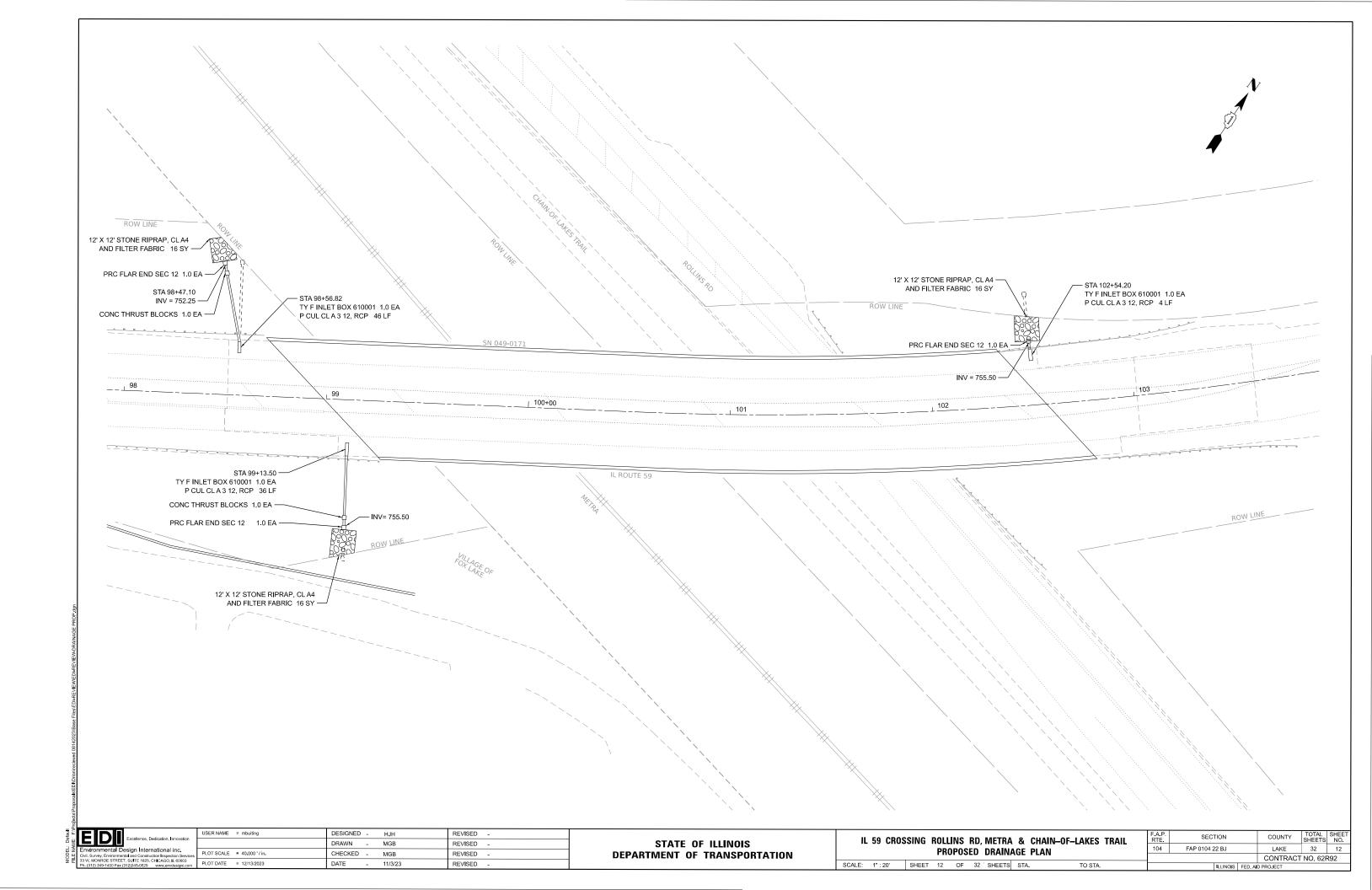
IL 59 CROSSING ROI	TRAIL F.A	F.A.P. SECTION		COUNTY	TOTAL SHEETS	SHEET NO.				
TRAFFIC CO	10	104 FAP 0104 22 BJ			LAKE	32	7			
111/11/10 00						CONTRACT	NO. 62F	R92		
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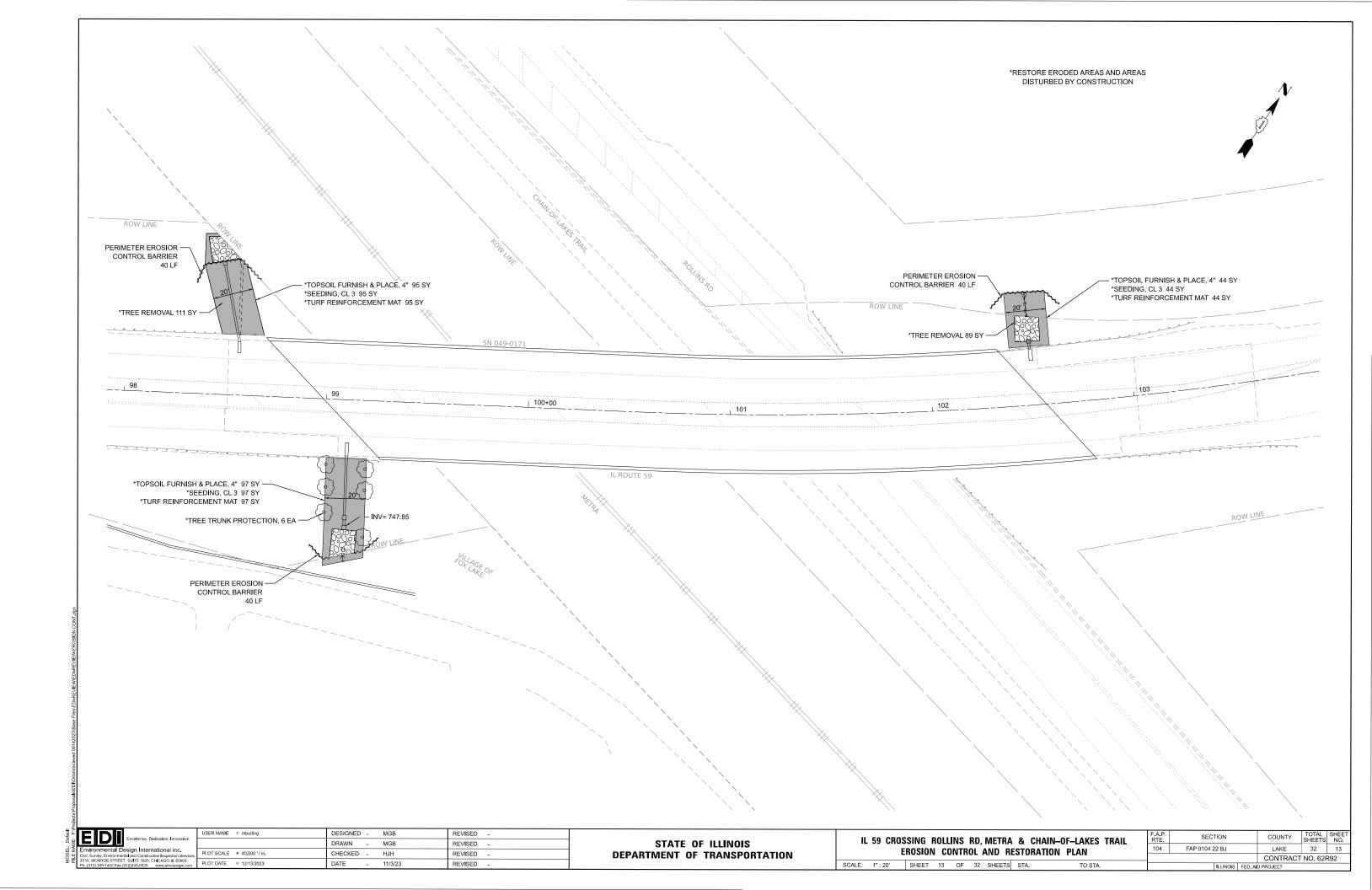












Existing Structure: INDEX OF SHEETS DESIGN STRESSES Cast in Place Concrete (New Construction) S.N. 049-0171 was constructed in 1992. The bridge consists of four spans of reinforced concrete deck on continous steel 51 General Plan and Elevation f'c = 4,000 psi (Superstructure)rolled sections The substructure consists of closed concrete abutments and multi-column concrete piers on piles. 52 General Data fy = 60,000 psi (Reinforcement)53 Stage Construction Details Traffic Control: Stage construction will be utilized. Two lanes of traffic shall be maintained on the southern half of 54 Approach Shoulder Details IL-59 for Stage I Construction. Two lanes of traffic shall be maintained on the northern half of IL-59 for Stage II . S5 Deck Plan Repair DESIGN SPECIFICATIONS Construction. 56 Expansion Joint Details *S*7 Bar Splicer Assembly and Mechanical Splicer Details 2002 AASHTO Standard Specifications No salvage. Preformed Joint Strip Seal 58 17th Edition Substructure Repairs Limit of Protective Shield Bridge Deck Scarification & Joint Reconstruction, -G Pier 1 Overlay - ⊈ Pier 2 — € Pier 3 - & E. Abut. Bearing typ. Chain-of-Lakes Rollins Rd. Trail Removal and replace approach shoulder with drainage inlet, typ. - Metra Railroad Track ELEVATION 372'-37%" Back to Back Abutment (Along Tangent to P.C.) 107'-01/8" 3'-115/8" 111'-11/4" 76'-3½" 3'-115%" 70'-0" Span 1 Span 2 Span 3 Span 4 Structure Location -Range 9E, 3 P.M E. Abut. Bearing Removal and replace î W. Abut approach shoulder with Bearing P.C. Sta. = drainage inlet, typ. 100+52.65 ¢ Pier 2 → € Pier 1 → Back of West Abut 44°39'32" 102+00 Sta. 99+00.03 Back of East Abut. 101+00 100+Q0 Sta. 102+61.44-LOCATION SKETCH ___________ @ Pier 2 © Pier 3 © Pier 1 Sta. = 100+81 $-\bar{S}ta. = 101+88$ Sta. = 99+74- Removal and replace -Tangent to approach shoulder Pollins Pa Curve @ P.C. -Preform ¾" Scarificatìon, Metra R.R. tracks full and partial depth deck Expansion Joint repairs and apply $2\frac{3}{4}$ " replacement at GENERAL PLAN AND ELEVATION Concrete Latex Overlay Abutment, typ. ILLINOIS ROUTE 59 OVER METRA RAILROAD AND ROLLINS ROAD F.A.P. ROUTE 104 - SEC. 22-BJ PLANLAKE COUNTY STA. 99+00.03 TO STA. 102+61.44 STRUCTURE NO. 049-0171

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 049-0171

SHEET S1 OF S9 SHEETS

 F.A.U. RTE.
 SECTION
 COUNTY
 TOTAL SHEETS
 SHEET NO.

 0104
 FAP 0104 22 BJ
 LAKE
 32
 14

 CONTRACT
 NO. 62R92

GENERAL NOTES

- 1. Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.
- 2. Reinforcement bars designated "(E)" shall be epoxy coated.
- 3. Reinforcement bar bending details shall be in accordance with the latest "Manual of Standard Practice for Detailing Reinforced Concrete Structures, ACI 315".
- 4. Reinforcement bar bending dimensions are out to out.
- 5. Contractor shall not scale dimensions from the Contract Plans for construction purposes. Scales shown are for information only.
- 6. No construction joints except those shown on the plans shall be allowed unless approved by the Engineer.
- 7. No concrete cutting shall be permitted until the cutting limits have been outlined by the Contractor and approved by the Engineer.
- 8. Joint openings shall be adjusted according with Article 520.04 of the Standard Specs. when the deck is poured at an ambient temperature other than 50° F.

SCOPE OF WORK

- 1. Perform $\frac{3}{4}$ " Bridge Deck Scarification.
- 2. Perform deck slab repairs as required.
- Reconstruct bridge deck expansion joints at the West and East Abutments. Install new preformed joints strip seal.
- 4. Apply a 2¾" Bridge Deck Latex Concrete Overlay on bridge deck.
- 5. Remove and replace Bridge Approach shoulder slabs.
- Perform Bridge Deck Grooving and Diamond Grinding.
 Apply Protective Coat to the top and inside faces of
- parapets, reconstructed transverse expansion joints, and surface of the new overlay.
- 8. Perform substructure repairs and apply concrete sealer to new concrete surfaces.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu Yd	20.5
Protective Shield	Sq Yd	1,309
Concrete Superstructure	Cu Yd	23.3
Protective Coat	Sq Yd	2,621
Concrete Superstructure (Approach Slab)	Cu Yd	29.9
Reinforcement Bars, Epoxy Coated	Pound	6,500
Bar Splicers	Each	24
Preformed Joint Strip Seal	Foot	160
Concrete Sealer	Sq Ft	190
Clean & Reseal Relief Joint	Foot	72
Bridge Deck Grooving (Longitudinal)	Sq Yd	1,446
Bridge Approach Shoulder Removal	Sq Yd	113
Approach Slab Repair (Partial Depth)	Sq Yd	15
Bridge Deck Latex Concrete Overlay, 2 3/4 Inches	Sq Yd	2,249
Bridge Deck Scarification 3/4"	Sq Yd	2,249
Structural Repair of Concrete		
(Depth Equal to or Less than 5 Inches)	Sq Ft	204
Structural Repair of Concrete		
(Depth Greater than 5 Inches)	Sq Ft	8
Deck Slab Repair (Full Depth, Type II)	Sq Yd	10
Diamond Grinding (Bridge Section)	Sq Yd	2,088

ORION ENGINEERS

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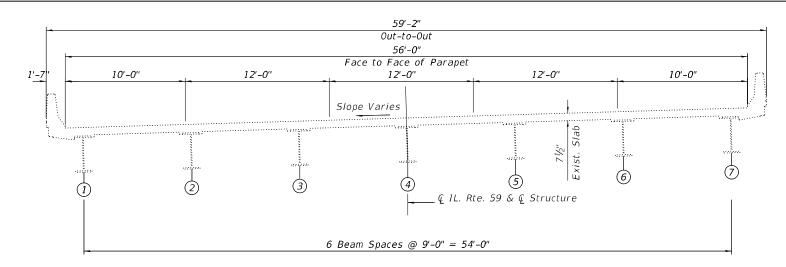
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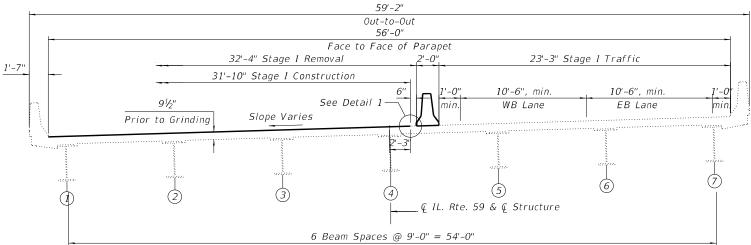
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

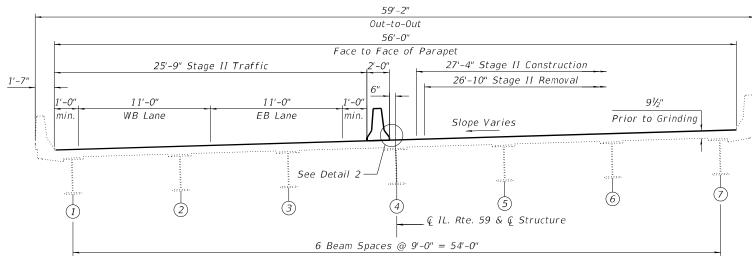
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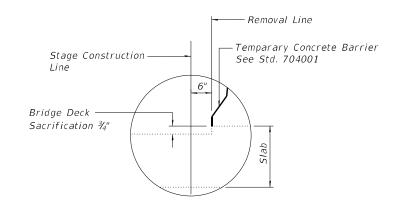
EXISTING (Looking East)



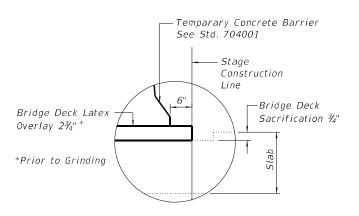
STAGE I
(Looking East)



STAGE II (Looking East)



<u>DETAIL 1</u> (Showing Removal)



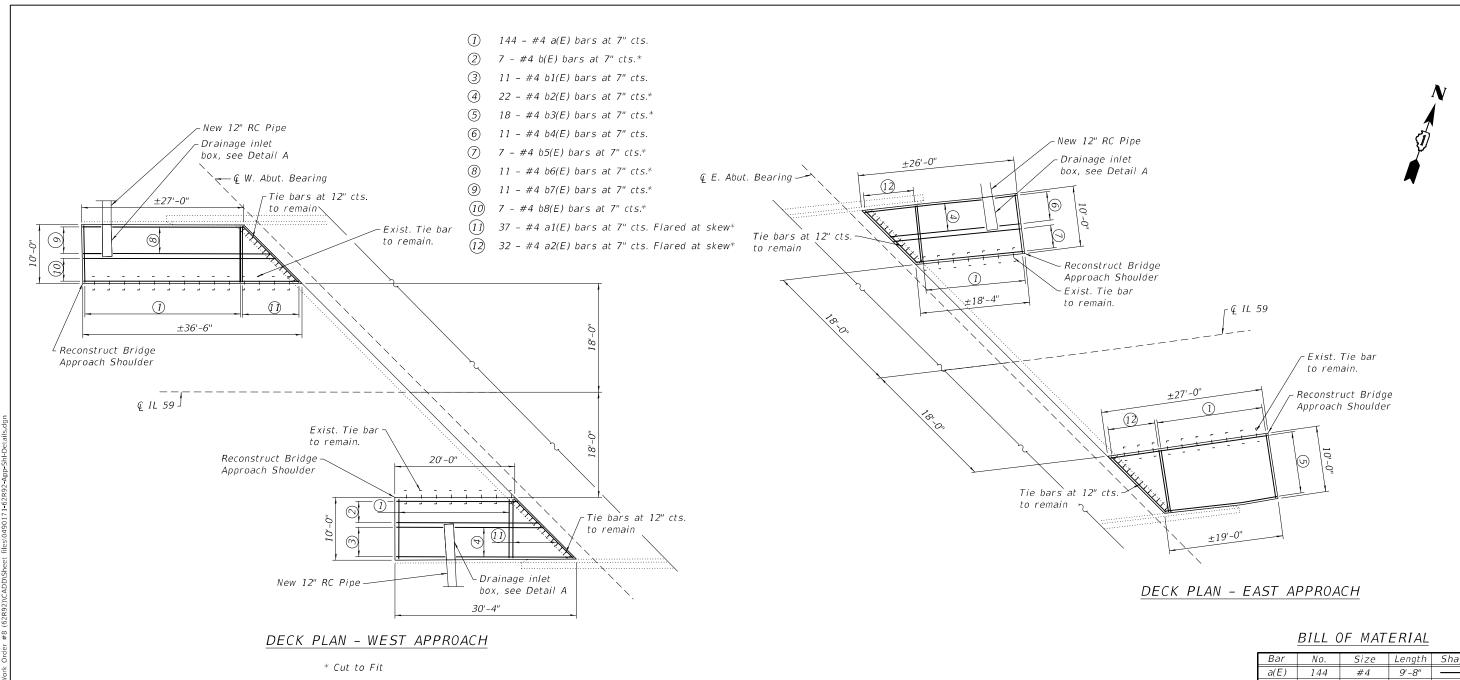
<u>DETAIL 2</u> (Showing Removal)

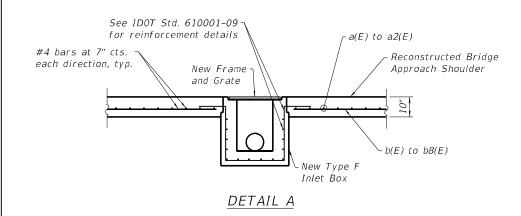
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 049-0171

SHEET S3 OF S9 SHEETS





NOTES

- The Contractor shall field verify all approach shoulder dimensions prior to starting work.
- Any existing tie bars damaged during approach slab removal shall be replaced with dowel bars drilled and grouted into the existing approach slab at no additional cost.

Bar	No.	Size	Length	Shape
a(E)	144	#4	9'-8"	
a1(E)	37	#4	14'-0"	
a2(E)	32	#4	12'-4"	
b(E)	7	#4	24'-0"	
b1(E)	11	#4	8'-4"	
b2(E)	22	#4	20'-0"	
b3(E)	18	#4	26'-8"	
b4(E)	11	#4	4'-0"	
b5(E)	7	#4	21'-5"	
b6(E)	11	#4	26'-4"	
b7(E)	11	#4	3'-2"	
b8(E)	7	#4	36'-2"	
Bridge	Approach	7	Sa Yd.	113
Shoulde	er Remov	al	Jy ra.	115
Concret	e Supers	structure	Cu Yd.	29.9
(Approa	ch Slab)	Cu Tu.	23.3	
Reinfor	cement E	Pound	2,850	
Ероху С	Coated		i ouilu	2,030
All Daint	f a = a = a = a =	t chall be	. F	

All Reinforcement shall be Epoxy coated

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ENGINEERS

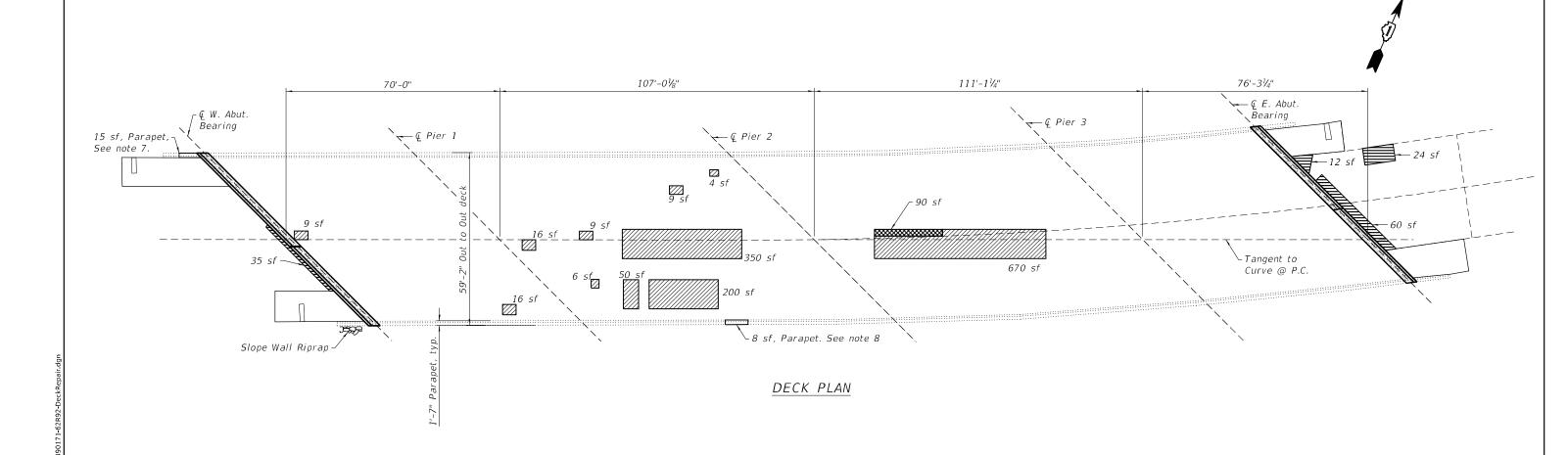
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROACH SHOULDER DETAILS
STRUCTURE NO. 049-0171

SHEET S4 OF S9 SHEETS

F.A.U. RTE	SECTION		COUNTY	TOTAL SHEETS	SHEE NO.
0104	FAP 0104 22 BJ		LAKE	32	17
		CONTRAC	T NO. 6	2R92	
	ILLINOIS	FED. A	D PROJECT		



LEGEND



Concrete Removal * Concrete Superstructure * Approach Slab Repair (Partial Depth) Deck Slab Repair (Full Depth, Type II) Deck Slab Repair (Partial Depth)**

*See sheet S6 for quantities for Concrete Removal and Concrete Superstructure

** Deck Slab Repair (Partial Depth) to be paid under Bridge Deck Latex Concrete Overlay, 23/4"

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Protective Coat	Sq. Yd.	2,621
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	1,446
Approach Slab Repair (Partial Depth)	Sq. Yd.	15
Bridge Deck Latex Concrete Overlay, 2¾"	Sq. Yd.	2,249
Bridge Deck Scarification 3/4"	Sq. Yd.	2,249
Structural Repair of Concrete	Sg. Ft.	15
(Depth Equal to or Less Than 5 Inches)	39.71.	13
Structural Repair of Concrete	Sg. Ft.	8
(Depth Greater Than 5 Inches)	J4. Ft.	0
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	10
Diamond Grinding (Bridge Section)	Sq. Yd.	2,088

NOTES

- 1. Deck Slab Repair areas estimated based on District 1 Bureau of Maintenance field notes and the visual inspection completed in 2022. Actual repair areas and locations shall be determined by the Engineer and shown on the as-built plans.
- 2. For Expansion Joint Reconstruction Details, See Sheet S6.
- 3. Bridge Deck Scarification, 3/4" and Bridge Deck Latex Concrete Overlay, 23/4" shall be performed over the limits of the bridge deck, excluding the transverse joint reconstruction areas.
- 4. Diamond Grinding shall be performed over the limits of the bridge deck excluding exterior 2 feet.
- 5. Protective coat shall be applied to the proposed concrete overlay, top and inside faces of the parapet and the transverse joint reconstruction areas.
- 6. For Approach Shoulder Details, See Sheet S4.
- 7. Cost to be included under Strucutural Repair of Concrete (Depth Equal to or Less Than 5 Inches)
- 8. Cost to be included under Strucutural Repair of Concrete (Depth Greater than 5 Inches)

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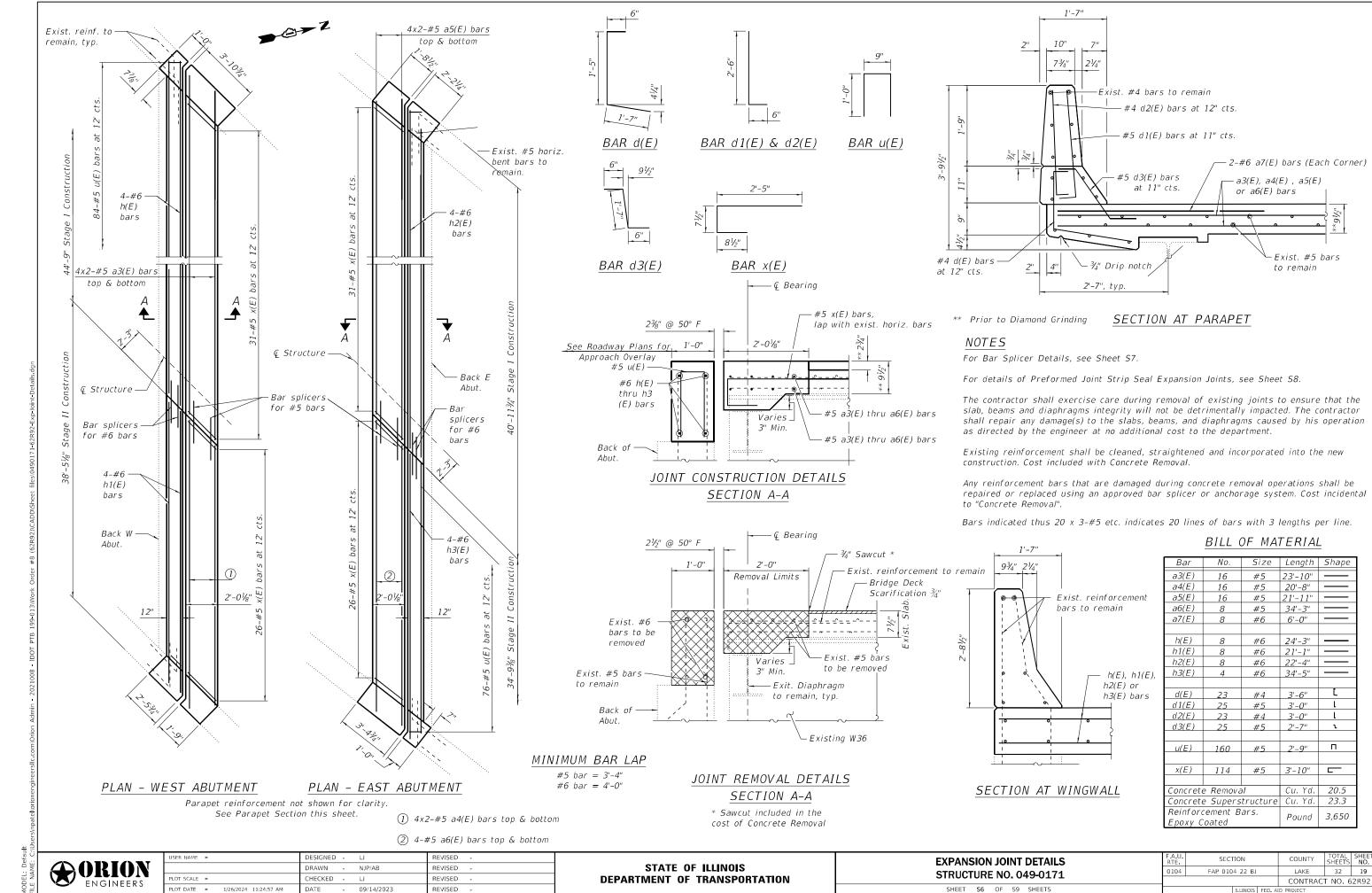
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STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

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SHEET	S5	OF	59	SHEETS	

SECTION FAP 0104 22 BJ LAKE 32 18 0104 CONTRACT NO. 62R92

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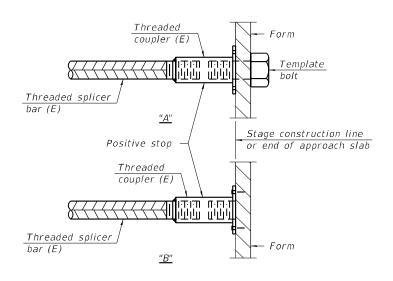
STANDARD BAR SPLICER ASSEMBLY PLAN

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

Threaded splicer bar length = min. lap length + $1\frac{1}{2}$ " + thread length

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

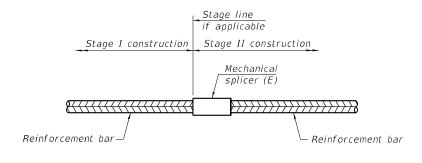
Location	Bar size	No. assemblies required	Minimum Iap length
West Abut.	#6	4	4'-0"
West Deck	#5	8	3'-6"
East Abut.	#6	4	4'-0"
East Deck	#5	8	3'-6"



INSTALLATION AND SETTING METHODS

"A": Set bar splicer assembly by means of a template bolt "B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E): Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

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.

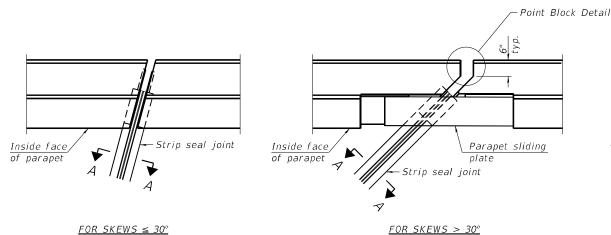
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for

See approved list of bar splicer assemblies and mechanical splice alternatives.

ORION ENGINEERS

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PLAN AT PARAPET

Top of locking

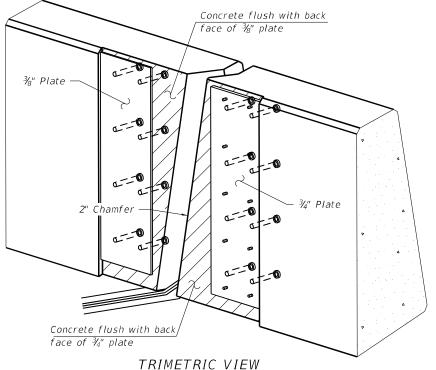
Top of deck

edge rail

FOR SKEWS > 30°

1'-0" ¾" Ø x 6" Studs (6 per side 34" parapet) ኘ 📅 ¾" Embedded plate full depth ¾" Embedded plate, Min. lap full depth 1/2" Parapet sliding plate 1'-0" ¾" Ø Countersunk bolts (8 per side 34" parapet) <u>Direction</u> of traffic

SECTION B-B



Notes:

The strip seal shall be made continuous and shall have a minimum thickness of $\frac{1}{4}$ ". 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 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 $\frac{3}{16}$ " 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 top surface of sidewalk sliding plates shall have a raised pattern according to ASTM A786.

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

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.

SECTION AT PARAPET

6" cts.,

Parapet sliding

Inside Face

of Parapet

nlate

2" Max.

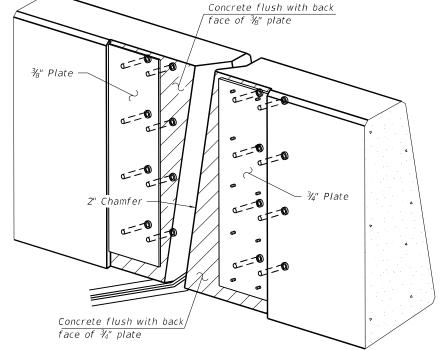
В

%" Ø x 6" Studs

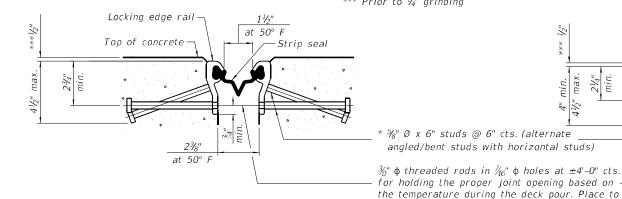
Detail A -

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

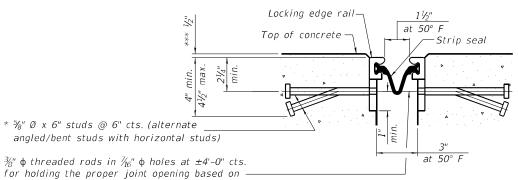
DETAIL A



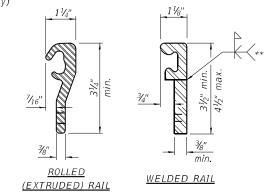
(Showing embedded plates only) *** Prior to 1/4" grinding



SHOWING ROLLED RAIL JOINT

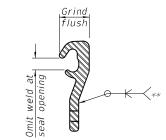


SHOWING WELDED RAIL JOINT



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	160

SECTION A-A

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

miss studs. All rods shall be burned, or sawed

off flush with the plates after concrete is set.

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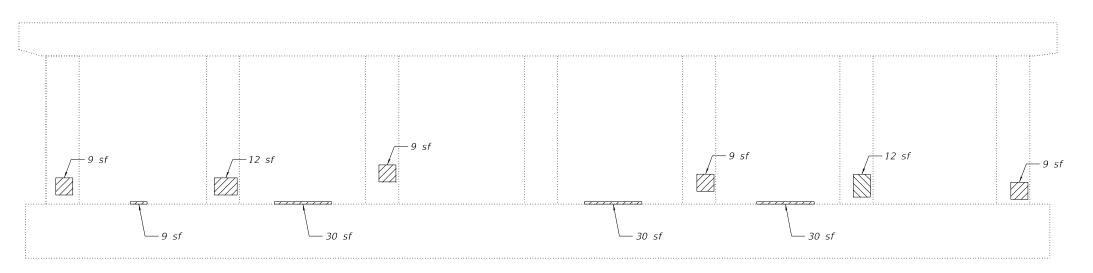
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** PREFORMED JOINT STRIP SEAL **STRUCTURE NO. 049-0171** SHEET S8 OF S9 SHEETS

U. E.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
04	FAP 0104 22 BJ		LAKE	32	21
			CONTRAC	T NO. 6	2R92
	TILIMOIS	FED A	D PROJECT		

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WEST ABUTMENT

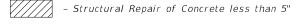


PIER 3 - LOOKING NORTH



EAST ABUTMENT

<u>LEGEND</u>

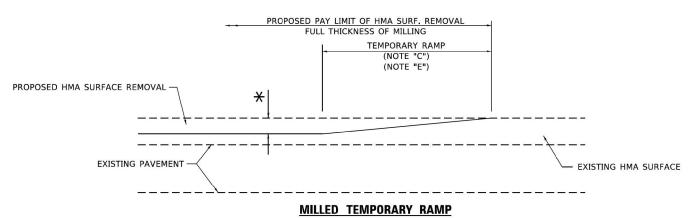


BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Sealer	Sq Ft	190
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq Ft	189

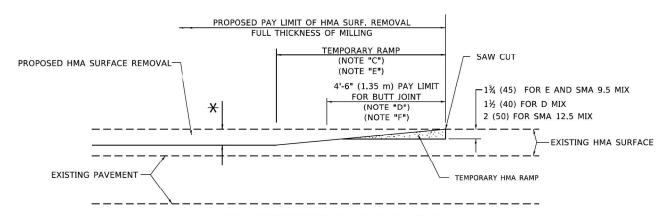


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	DRAWN -	NJP/AB	REVISED	-
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PLOT DATE = 12/14/2023 3:00:39 PM	DATE -	09/14/2023	REVISED	-



(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

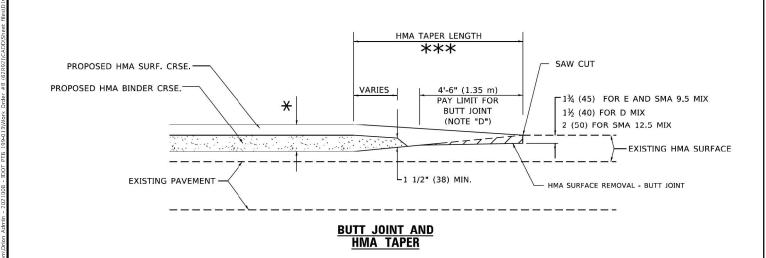


HMA CONSTRUCTED TEMPORARY RAMP

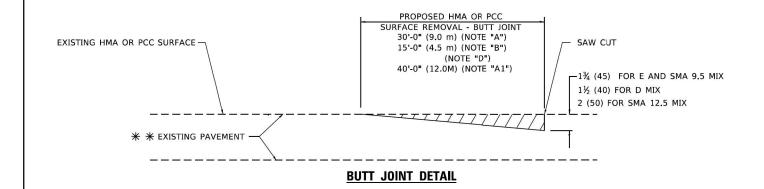
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

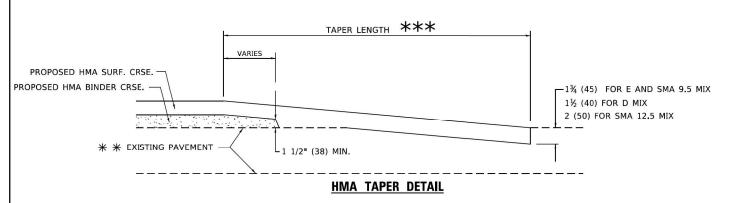
OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING





TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A") 10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

- THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
- THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

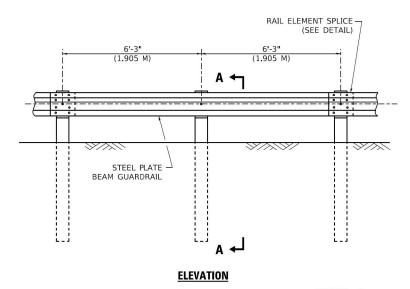


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PLOT DATE = 12/14/2023	DATE -	REVISED -

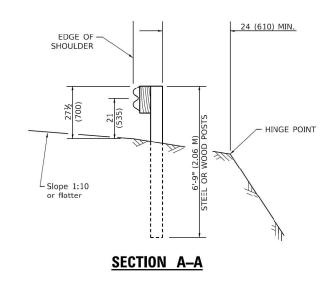
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

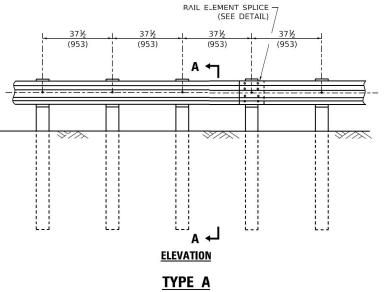
•	IIVIA TALLII D	LIAILS		BD400-05 BD
	IMA TADER N	ETAILS	104	FAP 0104
	BUTT JOINT AND HMA TAPER DETAILS	F.A.P. RTE	SECTIO	

4 22 BJ LAKE 32 23 CONTRACT NO. 62R92 SCALE: N.T.S SHEET 1

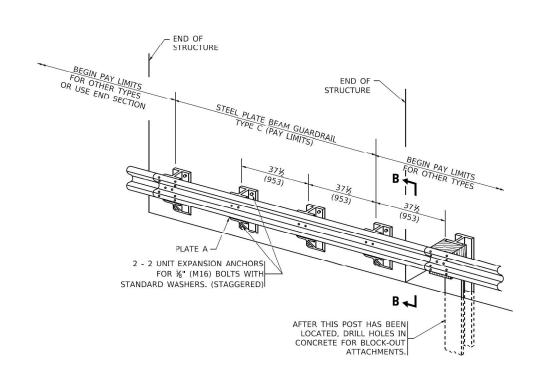


TYPE A 6'-3" (1.905 M) TYPICAL POST SPACING

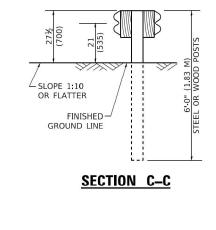


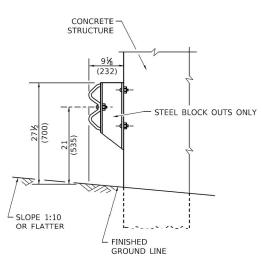


37½ (953) CLOSED POST SPACING

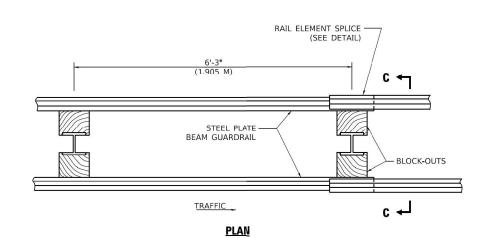


TYPE C 37½ (953) BLOCK-OUT SPACING





SECTION B-B



TYPE D

DOUBLE STEEL PLATE BEAM GUARDRAIL 6'-3" (1.905 M) TYPICAL POST SPACING

GENERAL NOTES

ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).

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

THE EXISTING STEEL POSTS MAY BE DRILLED TO MATCH THE BOLT PATTERN SHOWN HEREIN FOR THE WOOD BLOCK-OUT, OR A NEW STEEL POST SHALL BE PROVIDED.

THIS DETAIL IS APPLICABLE TO THE GUARDRAIL SYSTEM USED PRIOR TO JANUARY 1, 2007.
FOR DETAILS ON THE MIDWEST GUARDRAIL
SYSTEM, SEE STANDARD 630001.

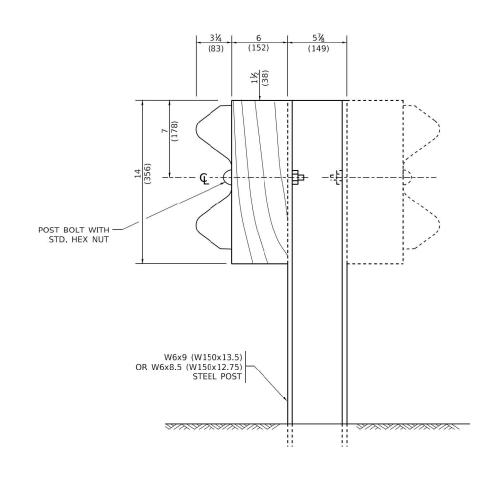
		<u>3EU110</u>

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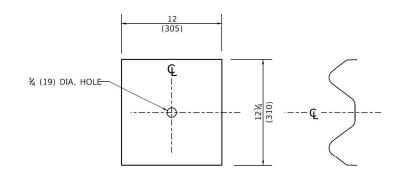
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

REMOVE AND REERECT						F.A.P. RTE
	STEEL	PI ATE	RFAM	GUARDRAII		104
	JILLE	ILAIL	DEAM	GOAIIDIIAII	<u> </u>	
SCALE: N.T.S	SHEET 1	OF 4	SHEETS	STA.	TO STA.	

SECTION FAP 0104 22 BJ LAKE 32 24 BM-21 CONTRACT NO. 62R92



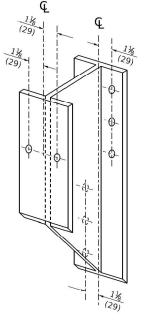
STEEL POST CONSTRUCTION



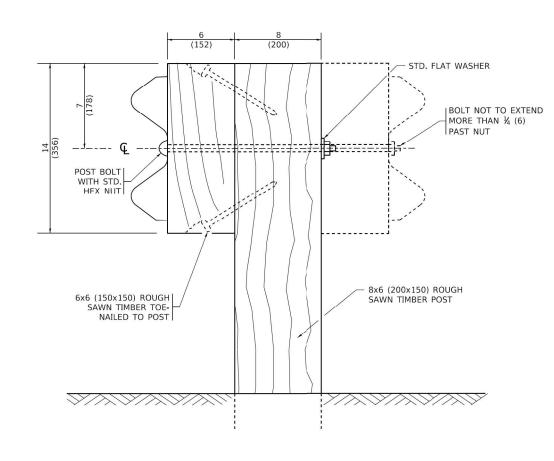
NOTE:

PLATE A SHALL BE PLACED BETWEEN RAIL ELEMENT AND BLOCK-OUT AT NON-SPLICE MOUNTING POINTS ONLY WHEN STEEL BLOCK-OUTS ARE USED.

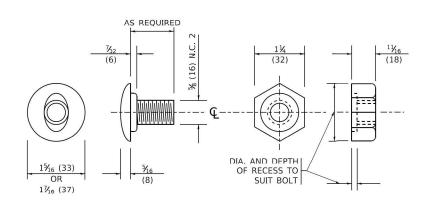
PLATE A



STEEL BLOCK-OUT DETAIL



WOOD POST CONSTRUCTION

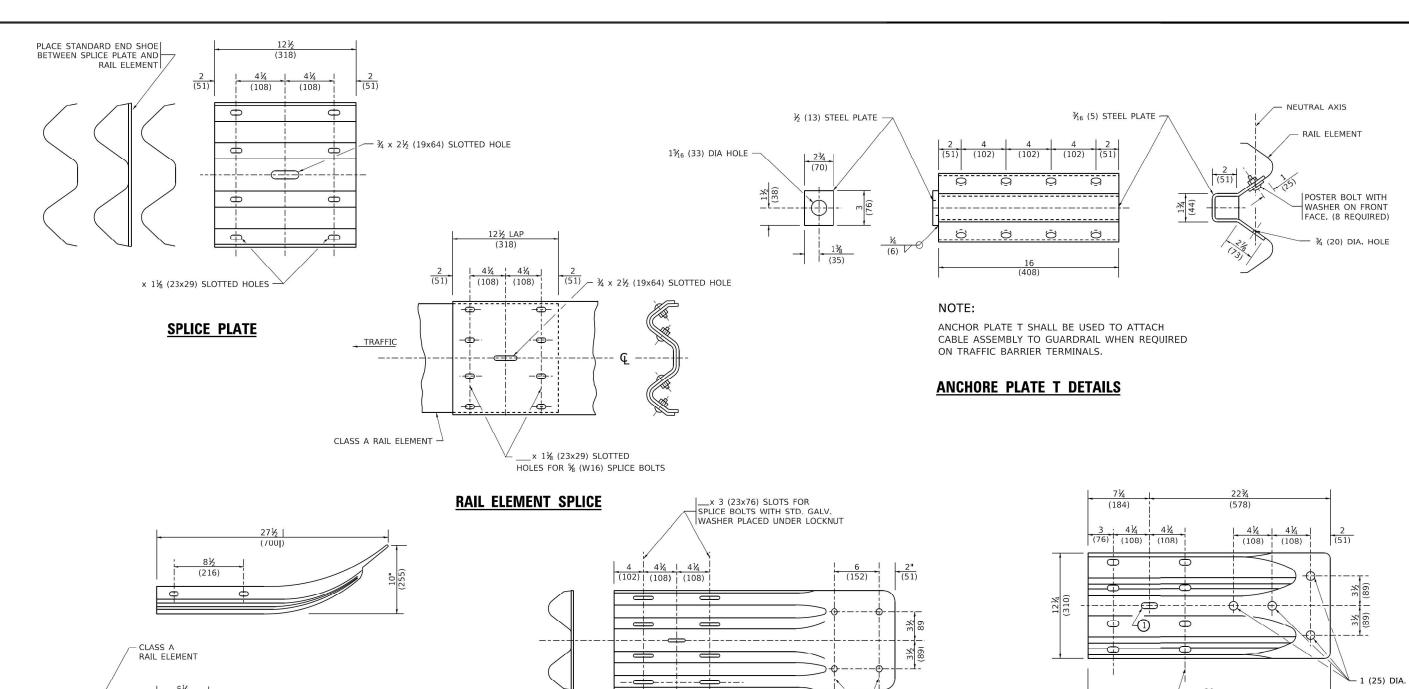


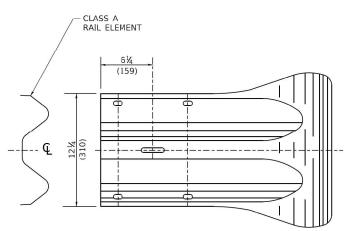
POST OR SPLICE BOLT & NUT



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	PLOT DATE = 12/14/2023	DATE -	REVISED -

REMOVE AND REERECT	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	
STEEL PLATE BEAM GUARDRAIL	104	FAP 0104 22 BJ	LAKE	32	25
STEEL FEATE BEAIN GUAIDHAIL		BM-21	CONTRACT	F NO. 62	2R92
SCALE: N.T.S SHEET 2 OF 4 SHEETS STA. TO STA.		ILLINOIS FED. A	ID PROJECT		





END SECTION

NOTE:

¾ x 3½ (19x89) SLOTTED HOLE—

WHEN END SHOE IS ATTACHED TO A BRIDGE PARAPET WHICH HAS AN EXPANSION JOINT, THE BOLTS SHALL BE PROVIDED WITH A LOCKNUT OR DOUBLE NUT AND SHALL BE TIGHTENED ONLY TO A POINT THAT WILL ALLOW GUARDRAIL MOVEMENT.

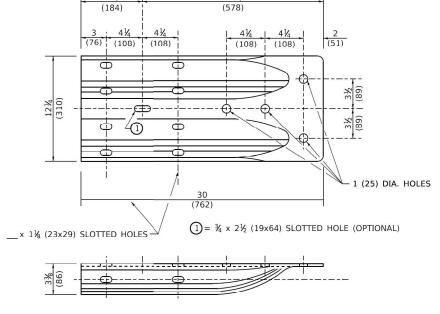
(914)

END SHOE

1 (25) DIA. HOLE

THE STANDARD END SHOE SHALL BE ATTACHED TO THE CONCRETE WITH PRE-DRILLED OR SELF-DRILLING ANCHOR BOLTS. THE ANCHOR CONE SHALL BE SET FLUSH WITH THE SURFACE OF THE CONCRETE.

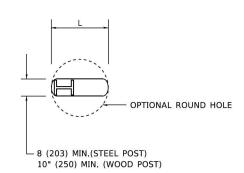
EXTERNALLY THREADED STUDS PROTRUDING FROM THE SURFACE OF THE CONCRETE WILL NOT BE PERMITTED.



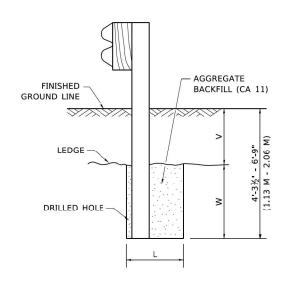
ALTERNATE END SHOE

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PLOT DATE = 12/14/2023	DATE -	REVISED -

REMOVE AND REERECT						F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	STEEL PLATE BEAM GUARDRAIL						104	FAP 0104 22 BJ	LAKE	32	26
SIEEL PLAIE BEAW GUARDRAIL							BM-21	CONTRACT	NO. 62	2R92	
SCALE: N.T.S SHEET 3 OF 4 SHEETS STA. TO STA.							ILLINOIS FED. A	ID PROJECT			



<u>PLAN</u>

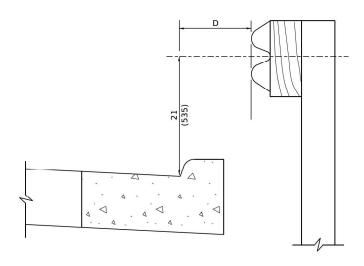


NOTE:

LEDGE LINE IS TOP OF ROCK LEDGE OR HARD SLAG FILL.

ELEVATION

FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED



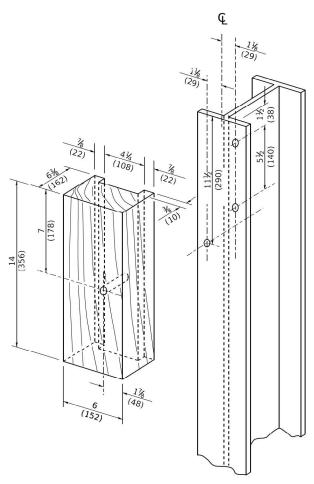
NOTE:

IF IT IS NECESSARY FOR D TO BE MORE THAN 12 (300) AND LESS THAN 10'-0" (3.0 M) TYPE M-2 (M-5) CURB AND GUTTER (STD. 606001) SHALL BE USED IN FRONT OF AND IN ADVANCE OF THE GUARDRAIL.

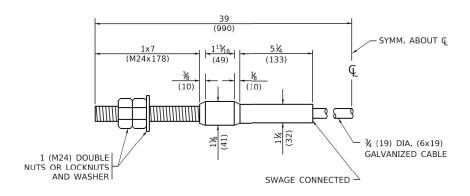
GUARDRAIL PLACED BEHIND CURB

(D = O DESIRABLE TO 12 (300) MAXIMUM)

V	W	L		
V	VV	STEEL POST	WOOD POST	
0 - 18	24	21	23	
(0 - 460)	(610)	(530)	(580)	
>18 - 41.5	12	8	10	
(> 460 - 825)	(305)	(203)	(250)	
>41.5 - 53.5	12 - 0	8	10	
(> 825 - 1.13 M)	(350 - 0)	(203)	(250)	



WOOD BLOCK – OUT AND STEEL POST DETAILS



CABLE ASSEMBLY

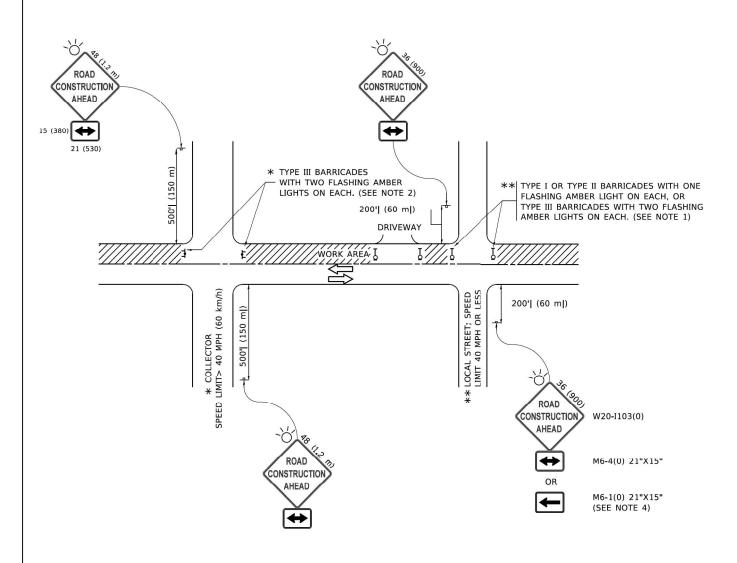
(40,000 LBS (18,100 KG) MIN. BREAKING STRENGTH)
TIGHTEN TO TAUT TENSION

	ORION	
\	ENGINEERS	

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	DRAWN -	REVISED -
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PLOT DATE = 12/14/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVE AND REERECT	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STEEL PLATE BEAM GUARDRAIL	104	FAP 0104 22 BJ	LAKE	32	27
		BM-21	CONTRACT	NO. 62	2R92
SCALE: N.T.S SHEET 4 OF 4 SHEETS STA. TO STA.		ILLINOIS FED. A	ID PROJECT		



NOTES:

- 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER;
- a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
- THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY
 b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION
 OF THE CLOSED PORTION.
- 3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710)
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE
 4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL
 BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

- 5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- 6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

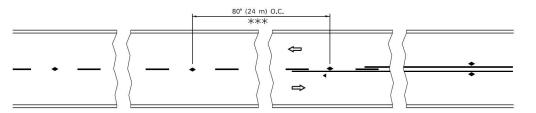


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFF	IC	CONTR	OL	. AND	PROTEC	TION FOR	
		•			•	DRIVEWAYS	;
SHEET	1	OF	1	SHEETS	STA.	TO	STA.

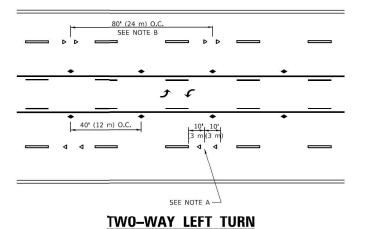
F.A.P. RTE	SEC ⁻	COUNTY	TOTAL SHEETS	SHE		
104	FAP 010	LAKE	32	28		
	TC-10	CONTRACT	NO. 62	2R92		
		ILLINOIS	FED. A	D PROJECT		



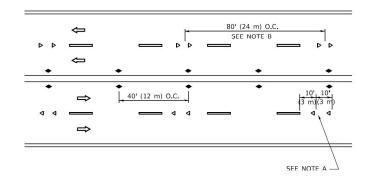
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

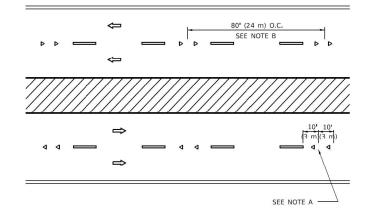
3 @ 40' (12 m) O.C. \Rightarrow LANE REDUCTION TRANSITION

SEE FIGURE 3B-14 MUTCD



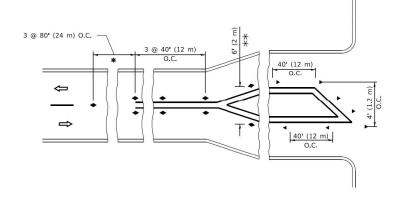
TW0-LANE/TW0-WAY

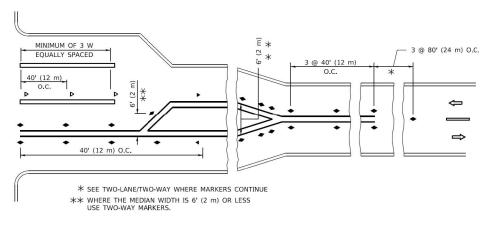




MULTI-LANE/UNDIVIDED







TURN LANES

GENERAL NOTES

- 1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
- 2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
- 3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE
- 4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

- 1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
- 2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
- 3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
- 4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY INVOLVED.

All dimensions are in inches (millimeters) unless otherwise shown.

DESIGNED REVISED DRAWN REVISED CHECKED REVISED PLOT DATE = 12/14/2023 REVISED DATE

STATE OF ILLINOIS

TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SLOW - PLOW RESISTANCE) SHEET 1 OF 1 SHEETS STA.

SECTION FAP 0104 22 BJ LAKE 32 29 TC-11 CONTRACT NO. 62R92

SYMBOLS

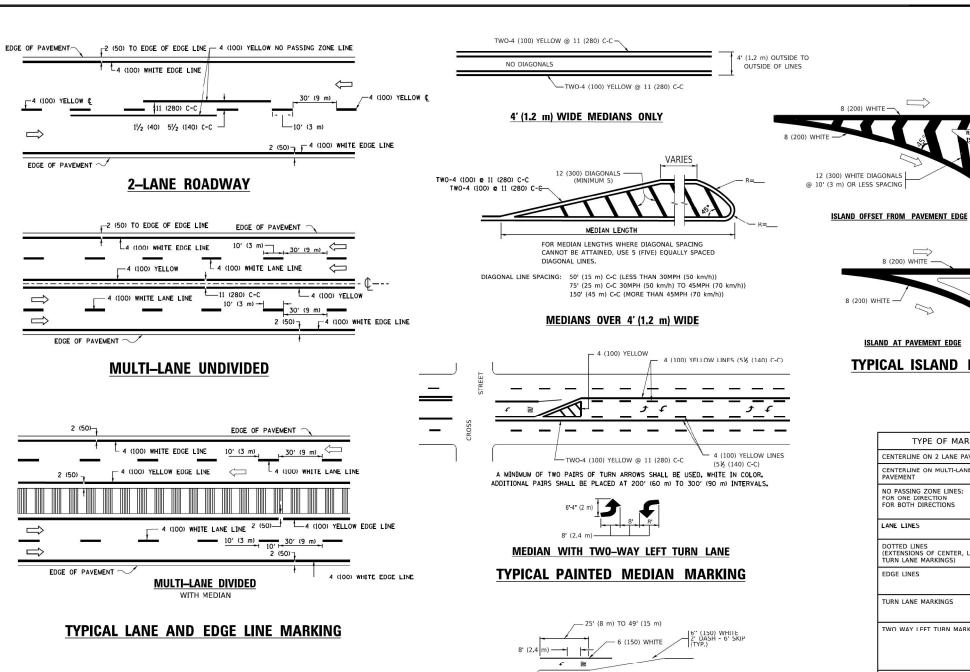
ONE-WAY AMBER MARKER

d ONE-WAY CRYSTAL MARKER (W/O) TWO-WAY AMBER MARKER

— YELLOW STRIPE

■ WHITE STRIPE

DEPARTMENT OF TRANSPORTATION



— 50' (15 m) TO 200' (60 m) 🖈 10' (3 m) 6 (150) WHITE OVER 200' (60 m) 6 (150) WHITE

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

1111111

BICYCLE & EQUESTRIAN

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PEDESTRIAN

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001. DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SPEED LIMIT 425 35 45 **COMBINATION** LEFT AND U-TURN 5'-4" (1620)

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY I FFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YFI I OW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4" (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ, FT. (0.33 m PEACH "X"=54.0 SQ, FT. (5.0 m P
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS > 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

8 (200) WHITE -

ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO

RAISED

unless otherwise shown.

LAKE

32 30

SECTION FAP 0104 22 BJ TC-13 CONTRACT NO. 62R92 OF 1 SHEETS STA.

2' (600)

DETAIL "B"

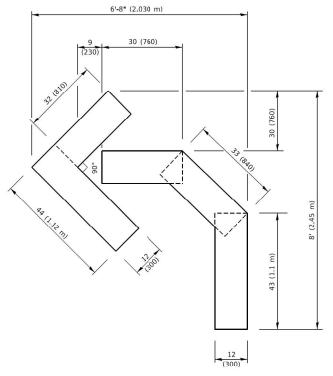
-12 (300) WHITE

-6 (150) WHITE

TYPICAL CROSSWALK MARKING

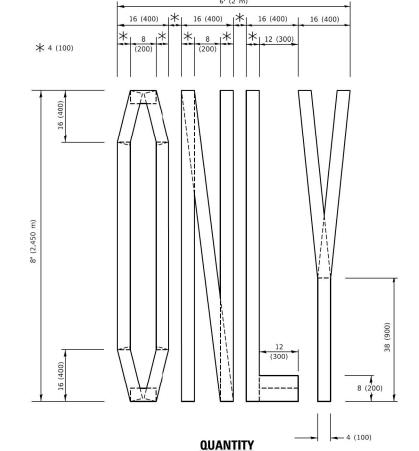
 $m{\star}$ MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

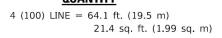
DETAIL "A"

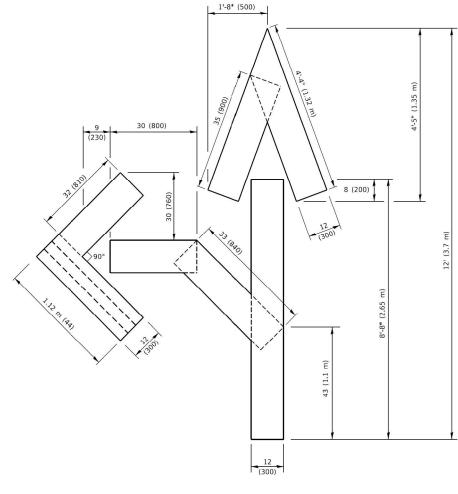


QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m) 15.2 sq. ft. (1.41 sq. m)





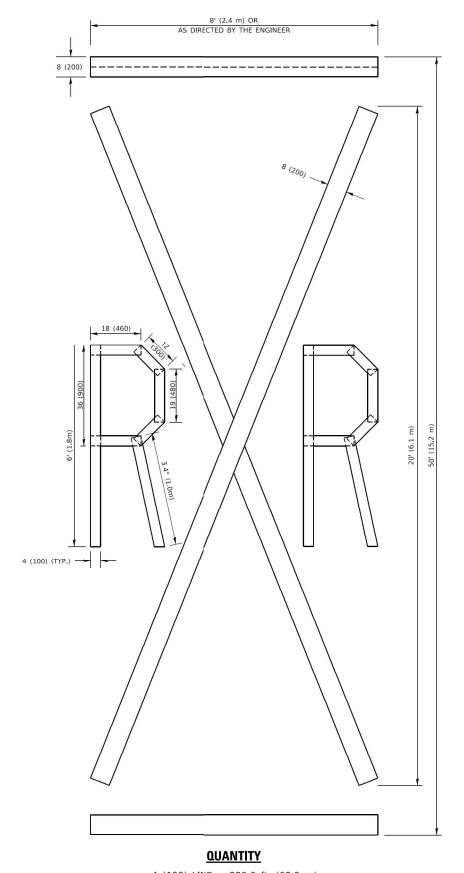


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m) 27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



4 (100) LINE = 225.9 ft. (68.9 m) 75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

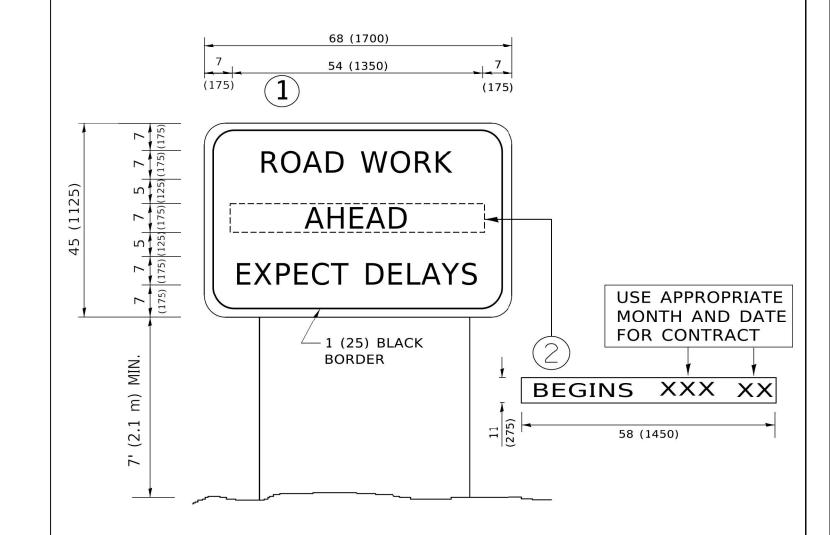


USER NAME = npatel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.1667 / in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	SHORT	TERM	PAV	EMENT	MARKIN	IG LETTE	RS AND	SYMBOL	S
SCALE:	N.T.S	SHEE	T 1	OF	1 SHEET	S STA.		TO STA.	

	TC-16		CONTRACT	NO. 62	2R92	
104	FAP 010	4 22 BJ		LAKE	32	31
RTE.	SECT	ПОИ		COUNTY	TOTAL SHEETS	SHEE



NOTES:

- 1. USE BLACK LETTERING ON ORANGE BACKGROUND.
- 2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- 3. ERECT SIGN 1 WITH INSTALLED PANEL 2 ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
- 4. REMOVE PANEL 2 SOON AFTER THE START OF CONSTRUCTION.
- 5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
- 6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
- 7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

SCALE: N.T.S SHEET 1

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



USER NAME = npatel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.1667 / in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2023	DATE -	REVISED -

ARTERIAL ROAD INFORMATION SIGN		F.A.P. RTE	SECTION		COUNTY	TOTAL SHEETS	SHEE NO.		
		104	FAP 0104 22 BJ		LAKE	32	32		
INFUNIVATION SIGN				TC-22		CONTRACT	NO. 62	2R92	
OF 1	SHEETS	STA.	TO STA.		ILLINOIS FI	ED. All	D PROJECT		