**STATE OF ILLINOIS** 06-13-2025 LETTING ITEM 236 **DEPARTMENT OF TRANSPORTATION PROPOSED** FOR INDEX OF SHEETS, SEE SHEET NO. 2 **HIGHWAY PLANS FAU ROUTE 3549 (GARY'S MILL RD)** ILL 59 TO ILL 38 (ROOSEVELT RD) SECTION: 2024-1020-RS IMPROVEMENT IS LOCATED IN WEST CHICAGO **DESIGNED OVERLAY, ADA RAMP IMPROVEMENTS** UNINCORPORATED DUPAGE COUNTY **DUPAGE COUNTY** TRAFFIC DATA: SPEED LIMIT: 35 MPH 2024 ADT: 5150 C-91-071-25 9E **DESIGN DESIGNATION:** MINOR COLLECTOR PROJECT BEGINS STA. 14+50 38 Childs St Roosevelt Rr 39N **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 EXCAVATION 1-800-892-0123 WINFIELD TOWNSHIP **PROJECT ENGINEER: LUKASZ POCIECHA (847) 705-4255** 

GROSS LENGTH = 2909 FT. = 0.55 MILE

**NET LENGTH = 2909 FT. = 0.55 MILE** 

0

0

**PROJECT MANAGER: VESELIN VELICHKOV** 

CONTRACT NO. 62X60

\* 21 + 3 = 24 TOTAL SHEETS

D-91-052-25



PROJECT ENDS STA. 43+59

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED MOVE 120 26

REGIONAL ENGINEER
May 9

25

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV-SEP

#### **INDEX OF SHEETS**

SHEET

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20	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
21	ARTERIAL ROAD INFORMATION SIGNING (TC-22)
21A	PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS (PD-01)

#### **COMMITMENTS:**

TO AVOID IMPACTS TO THE THREATENED NORTHERN LONG-EARED BAT REMOVAL OF TREES MEASURING 3"IN DIAMETER OR GREATER AT BREAST HEIGHT IS PROHIBITED BETWEEN APRIL AND OCTOBER 31. TREE REMOVAL MUST OCCUR WITH THE DATES OF NOVEMBER 1 AND MARCH 31.

#### **STATE STANDARDS**

**DESCRIPTION** 

STANDARD NO.

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-06	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-05	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-06	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-07	DEPRESSED CORNER FOR SIDEWALKS
606001-08	CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
604001-05	FRAME AND LIDS TYPE 1
604091-05	FRAME AND GRATE TYPE 24
701006-05	OFF-RD OPERATIONS, 2L,2W 15' TO 24" 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
701501-06	URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES

#### **GENERAL NOTES**

- 1. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIFI D OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT
- 2. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- 3. THE RESIDENT ENGINEER SHALL CONTACT EMAD ALHUSSEINI AREA TRAFFIC FIELD ENGINEER, AT EMAD.ALHUSSEINI@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 4. ANY DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 5. THE CONTRACTOR SHALL CONTACT THE DISTRICT TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM AND FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
- 7. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- 8. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 9. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- 10. OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
- 11. SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.

#### **GENERAL NOTES CONTINUED**

- 12. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER
- 13. ALL MILLED SURFACES SHALL BE A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
- 14. BUTT JOINTS SHALL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- 15. LOCATIONS OF CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 16. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 17. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENT SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT A PART OF THIS CONTRACT.
- 18, EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- 19. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH AFFECTED UTILITY COMPANIES AND THE CITY OF WEST CHICAGO.
- 20. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
- 21. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN.
- 22. THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS. OF THE BURIED AND PLATED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT, UPON COMPLETION OF THE WORK. THE CONTRACTOR SHALL DELIVER THE RECORD TO THE ENGINEER.
- 23. TEMPORARY RAMP (SPECIAL) IS TO BE INSTALLED AT ALL DRIVEWAY ENTRANCES AND ANYWHERE ELSE DIRECTED BY THE RESIDENT ENGINEER.
- 24. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE CITY OF WARRENVILLE AND THE DUPAGE COUNTY FOREST PRESERVE. THE CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07. REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
- 25. EXISTING VEGETATED AREAS (TREES, SHRUBS, VEGETATIVE BUFFERS, TURF AREAS, ETC.) WHERE DISTURBANCE IS NOT OCCURRING (INCLUDING AREAS OUTSIDE THE PROJECT LIMITS) SHALL NOT BE DISTURBED TO ENSURE THAT EXISTING VEGETATION IS PRESERVED HEALTHY TO MINIMIZE SOIL EROSION AND TO ELIMINATE SOIL COMPACTION, NO MATERIALS ARE TO BE STORED OR VEHICLES DRIVEN OR PARKED WITHIN THESE UNDISTURBED AREAS AT ANY TIME
- 26. PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT DUE TO THE PROXIMITY TO THE EXISTING WETLANDS/BODIES OF WATER. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).
- 27. THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL SECTIONS OF THE ILLINOIS CUSTOM SPRAY LAW, INCLUDING LICENSING. CONTRACTOR PERSONNEL APPLYING HERBICIDES SHALL HAVE A VALID PESTICIDE APPLICATOR LICENSE ISSUED BY THE ILLINOIS DEPARTMENT OF AGRICULTURE. THE LICENSED PESTICIDE APPLICATOR SHALL SUBMIT THEIR CURRENT LICENSE TO THE ENGINEER. THE LICENSED PESTICIDE APPLICATOR SHALL BE QUALIFIED AT A MINIMUM IN RIGHT-OF-WAY AND AQUATICS. THE LICENSED APPLICATOR SHALL WORK ON-SITE.
- 28. THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171, AT LEAST 14 DAYS PRIOR TO BEGINNING FORESTRY WORK.

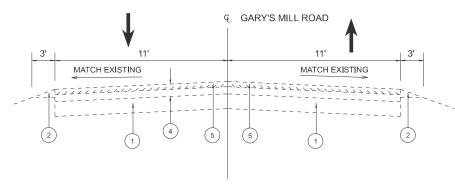
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20200100	EARTH EXCAVATION	CU YD	60	60						1	60406000	FRAMES AND LIDS, TYPE	E 1, OPEN LID	EACH	1	1					
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	250	250						1	60406100	FRAMES AND LIDS, TYPE	E 1, CLOSED LID	EACH	1	1					
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40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	6800	6800						1 🗀	60920012	PIPE CULVERTS TO BE C	CLEANED 12"	FOOT	450			450		$\overline{}$	
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40600370	LONGITUDINAL JOINT SEALANT	FOOT	3475	3475						*	66900200	NON-SPECIAL WASTE DIS	ISPOSAL	CU YD	60	60				$\overline{}$	
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40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	20	20						+	66900530	SOIL DISPOSAL ANALYSIS	is	EACH	3	3					ĺ
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40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQYD	120	120						+	66901001	REGULATED SUBSTANCE	ES PRE-CONSTRUCTION PLAN	L SUM	1	1					
1333332		3415		<del>                                     </del>						$+ \vdash$	10001001	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			+	<u> </u>				$\rightarrow$	
40602985	HOT MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	1129	1129						.	66901003	REGULATED SUBSTANCE	ES FINAL CONSTRUCTION REPORT	L SUM	1	1					
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40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	35	35							66901006	REGULATED SUBSTANCE	ES MONITORING	CAL DA	. 3	3				$\longrightarrow$	
40004000	THE THIRT SHAPE COUNCE, IE S.S., MIX D., 1800	1014	30	- 50						1  -	30301000	REGULATED GODGINAGE	EC MONTO VAILE	O/LE D/K	+ -						
40604063	HOT MIV ASSIGN T SUBSACE COURSE II 0.5 MIV "D" N70	TON	988	988						$+\vdash$	67100100	MORII IZATION		L SUM	+	1					
40004002	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	500	500						$+\vdash$	67100100	MOBILIZATION		LOOM	+-''	'					
40004000	DDOTTOTHE COAT	50 VP	400		400					4	70400000	TRAFFIC CONTROL AND	DROTTOTION CTANDARD 704504	1.0004	+						
42001300	PROTECTIVE COAT	SQ YD	188		188					$+\vdash$	70102620	TRAFFIC CONTROL AND I	PROTECTION, STANDARD 701501	LSUM	<del>  '</del> -	1					
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42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1000		1000					$+$ $\vdash$	70102640	TRAFFIC CONTROL AND I	PROTECTION, STANDARD 701801	L SUM	1	1					
H										$+\vdash$											
42400800	DETECTABLE WARNINGS	SQ FT	66		66					4 H	70300100	SHORT TERM PAVEMENT	I MARKING	FOOT	3308	3308					
		20.15								$+\vdash$											
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	10075	10075						4	70300150	SHORT TERM PAVEMENT	I MARKING REMOVAL	SQ FT	1103	1103					
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44000600	SIDEWALK REMOVAL	SQ FT	1000		1000					$+\vdash$	70300211	TEMPORARY PAVEMENT	MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	138	138					
<u> </u>										4											
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	302	302						4  -	70300221	TEMPORARY PAVEMENT	MARKING - LINE 4"- PAINT	FOOT	6922	6922					-
										4					!						
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	101	101						$\downarrow \mid$	70300241	TEMPORARY PAVEMENT	MARKING - LINE 6"- PAINT	FOOT	161	161					
g										$\downarrow \mid$				_	<u> </u>						
و و 44201796 خ	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	650	650						$\downarrow \mid$	70300261	TEMPORARY PAVEMENT	MARKING - LINE 12"- PAINT	FOOT	469	469	-				
5225-8										4					<u> </u> !						
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	26	26						-	70300281	TEMPORARY PAVEMENT	FMARKING - LINE 24"- PAINT	FOOT	90	90					1
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60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1						$\downarrow \mid$	70307120	TEMPORARY PAVEMENT	MARKING - LINE 4" - TYPE IV TAPE	FOOT	827	827					
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60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	5	5						_	78000200	THERMOPLASTIC PAVEM	MENT MARKING - LINE 4"	FOOT	6922	6922					<u> </u>
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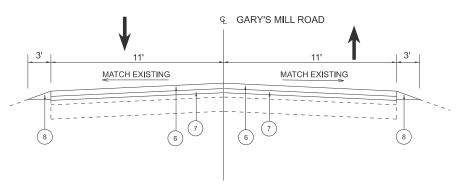
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* 78000400 THERMOPLASTIC PAVE	EMENT MARKING - LINE 6"		FOOT	161	161					1	25200110 SODDING, SALT TOLERAN	Γ		SQ YD		85				
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* 78000600 THERMOPLASTIC PAVE	EMENT MARKING - LINE 12"		FOOT	470	470						25200200 SUPPLEMENTAL WATERIN	IG		SQ YD	7	7				
* 78000650 THERMOPLASTIC PAVE	FMENT MARKING - LINE 24"		FOOT	90	90					1	X2010108 TREE REMOVAL (UNDER	S UNITS DIAMETER SAWED FI USH		SQ YD	10	10	_			
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* 78100100 RAISED REFLECTIVE PA	AVEMENT MARKER		EACH	50	50						X2010100 TREE LIMB REMOVAL (4-1	0 INCHES DIAMETER)		SQ YD	2	2				
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70200200 DAISED BEELECTIVE DA	MAYEMENT MARKER REMOVAL		FACU	50	FO				+	┧┝	V2040200 TREE LIMB REMOVAL (OV	ED 40 INCLIES DIAMETED)		50 VD	1	1	+			
78300200 RAISED REFLECTIVE PA	AVEMENT MARKER REMOVAL		EACH	50	50					┨┝	X2010200 TREE LIMB REMOVAL (OV	ER TO INCHES DIAMETER)		SQ YD	3	3				
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78300202 PAVEMENT MARKING RE	REMOVAL - WATER BLASTING		SQ FT	3451	3451						X2010516 SELECTIVE CLEARING			SQ YD	9	9				
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VOSCODED CONSTRUCTION CONSTRUCT	LIT (SDECIAL)		LOURA	_	4				+	+	X2100002 PRUNING FOR SAFETY EC	LIIDMENT OF EADANGE		5015	4	4	<del></del>			
X0320050 CONSTRUCTION LAYOU	UT (SPECIAL)		LSUM	1	1					<b>↓  </b>	X2100002 PRUNING FOR SAFETY EC	UIPMENT CLEARANCE		SQ YD	4	4	<u> </u>			
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X2020110 GRADING AND SHAPING	G SHOULDERS		UNIT	14	14						X2511630 EROSION CONTROL BLAN	KET (SPECIAL)		SQ YD	1000	1000				
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X4060995 TEMPORARY RAMP (SPI	PECIAL)		SQ YD	186	186															
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X4400501 COMBINATION CURB AN	ND GUTTER REMOVAL AND REPLACEMENT LESS	S THAN OR EQUAL TO 10 FEET	FOOT	235	235															
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X4400503 COMBINATION CURB AN	ND GUTTER REMOVAL AND REPLACEMENT GRE	EATER THAN 10 FEET	FOOT	50	50					IJL										
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X5537800 STORM SEWERS TO BE	E CLEANED 12"		FOOT	150			150			1										
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X6700407 ENGINEER'S FIELD OFF	FICE, TYPEA (D1)		CALMO	6	6															
X7200061 TEMPORARY INFORMAT	ATION SIGNING		SQ FT	51.4	51.4															
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Z0018500 DRAINAGE STRUCTURE	ES TO BE CLEANED		EACH	10			10			1 L							<u> </u>			
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21101605 TOPSOIL FURNISH AND	PLACE, 2"		SQ YD	1000	1000				$\perp$							$\perp$	<u> </u>			
5-sht																				
21101615 TOPSOIL FURNISH AND	PLACE 4"		SQ YD	85	85				+	1  -						+	<del>                                     </del>			
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		<u> </u>										J. J. J. J. J. J. J. J. J. J. J. J. J. J	5. 2 C.LETO STA	.5011.				1 ED. All	NOULUI	REV-SE



#### EXISTING TYPICAL SECTION

GARY'S MILL ROAD STA. 14+50 TO STA 17+50 STA. 27+50 TO STA 44+52



#### PROPOSED TYPICAL SECTION

GARY'S MILL ROAD

STA. 14+50 TO STA 17+50 STA. 27+50 TO STA 44+52

#### **LEGEND**

1 EXISTING BASE COURSE ±10"

2 EXISTING AGGREGATE SHOULDER

3 EXISTING CURB & GUTTER

4 EXISTINGN HOT-MIX ASPHALT OVERLAY ±5.5"

5 PROSPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"

PROPOSED HOT-MIX ASPHALT SURFACE COURSE,

PROPOSED HOT-MIX ASPHALT BINDER COURSE IL - 9.5, N70 2"

8 PROSPOSED AGGREGATE SHOULDER

	HOT-MIX ASPHALT MIXTURE REQUIREMEN	TS		
MIXTURE USES	MIXTURE TYPE	QUALITY MANAGEMEN <sup>*</sup> PROGRAM (QMP)		
PAVEMENT RESURFACING	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"	4.0% @ 70 GYR	QC/QA	
PAVEINIENT RESURFACING	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 3/4"	4.0% @ 70 GYR	QC/QA	
	HMA BASE COURSE,6" (HMA BINDER IL-19.0)	4.0% @ 50 GYR	QC/QA	
DRIVEWAY	HOT-MIX ASPHALT SURFACE COURSE MIX "D", N50, 2"	4.0% @ 50 GYR	QC/QA	
PATCHING	CLASS D PATCHES (HMA B <b>I</b> NDER IL-19.0)	4.0% @ 70 GYR	QC/QA	
TEMPORARY RAMP (SPECIAL)	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	4.0% @ 70 GYR	QC/QA	

OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (OC/QA); QUALITY CONTROL FOR PERFORMANCE (OCP); PAY FOR PERFORMANCE (PFP)

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

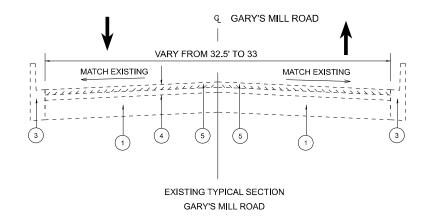
NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

NOTE 3: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE BINDER COURSE.

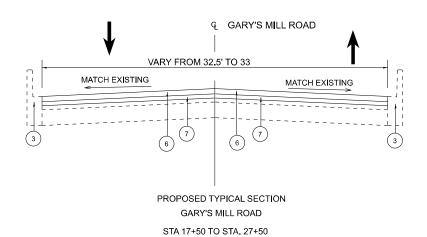
NOTE 4: THE CONTRACTOR SHALL MILL FIRST THEN PATCH.

SCALE:

USER NAME = connor.mullane	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 4/14/2025	DATE -	REVISED -	



STA 17+50 TO STA, 27+50



#### **LEGEND**

1 EXISTING BASE COURSE ±10"

2 EXISTING AGGREGATE SHOULDER

3 EXISTING CURB & GUTTER

4 EXISTINGN HOT-MIX ASPHALT OVERLAY ±5.5"

5 PROSPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"

6 PROPOSED HOT-MIX ASPHALT SURFACE COURSE,
MIX "D", N70, 1 3/4"

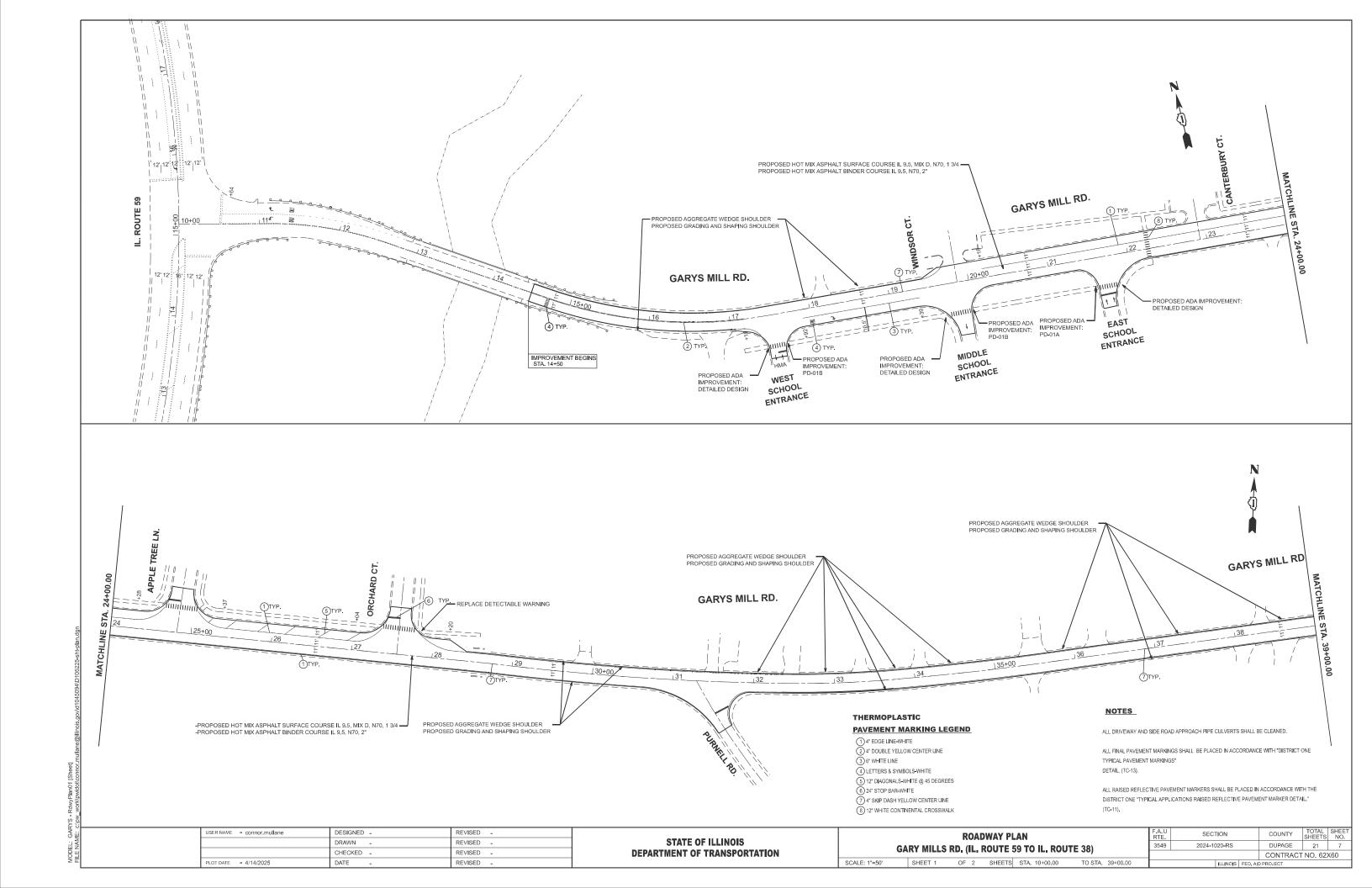
7 PROPOSED HOT-MIX ASPHALT BINDER COURSE IL - 9.5, N70 2"

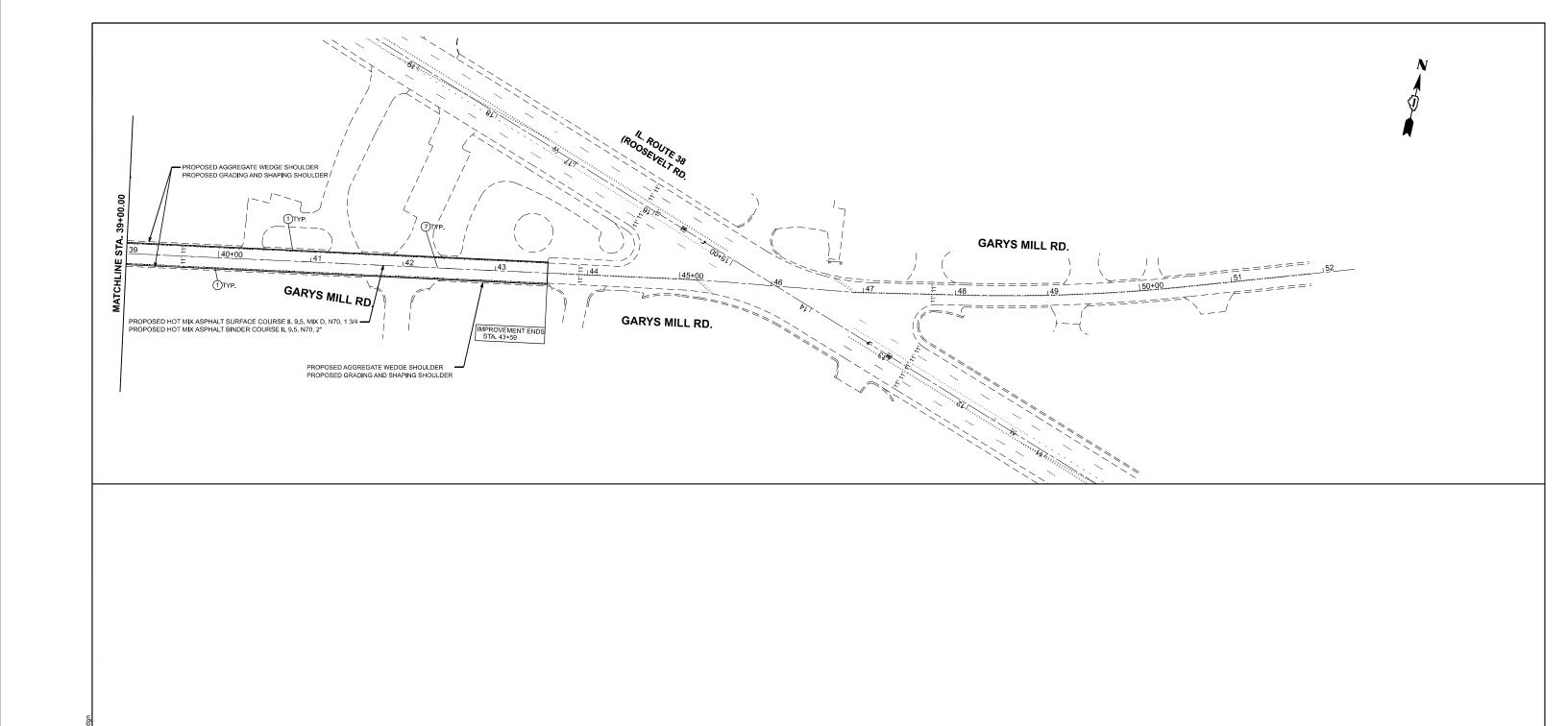
(8) PROSPOSED AGGREGATE SHOULDER

USER NAME = connor.mullane	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 3/19/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:





#### THERMOPLASTIC

#### PAVEMENT MARKING LEGEND

1 4" EDGE LINE-WHITE 2 4" DOUBLE YELLOW CENTER LINE

3) 6" WHITE LINE

4 LETTERS & SYMBOLS-WHITE

5 12" DIAGONALS-WHITE @ 45 DEGREES

6 24" STOP BAR-WHITE 7 4" SKIP DASH YELLOW CENTER LINE

8 12" WHITE CONTINENTAL CROSSWALK

#### <u>NOTES</u>

ALL DRIVEWAY AND SIDE ROAD APPROACH PIPE CULVERTS SHALL BE CLEANED.

ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKINGS"

DETAIL, (TC-13).

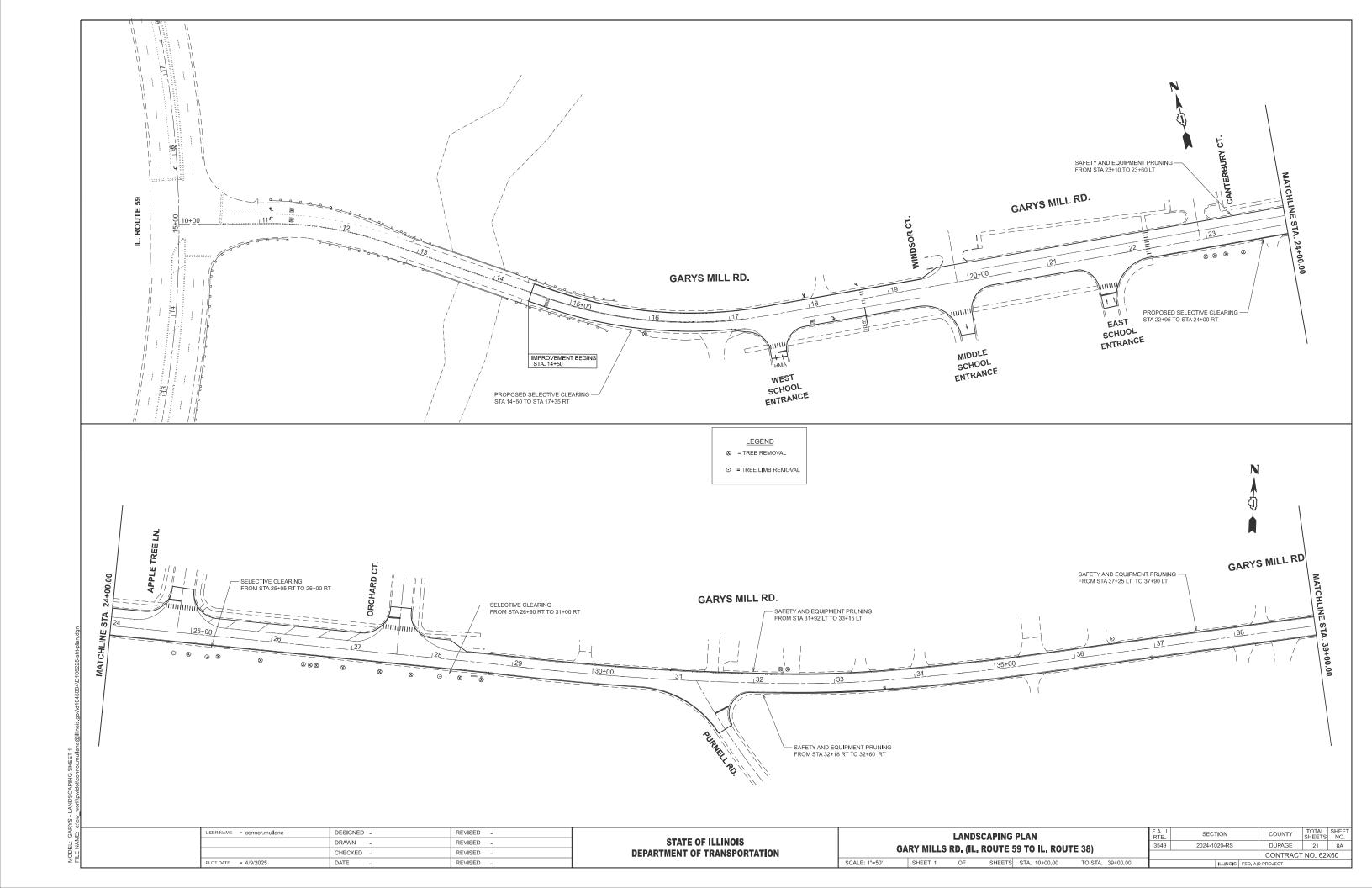
ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKER DETAIL."

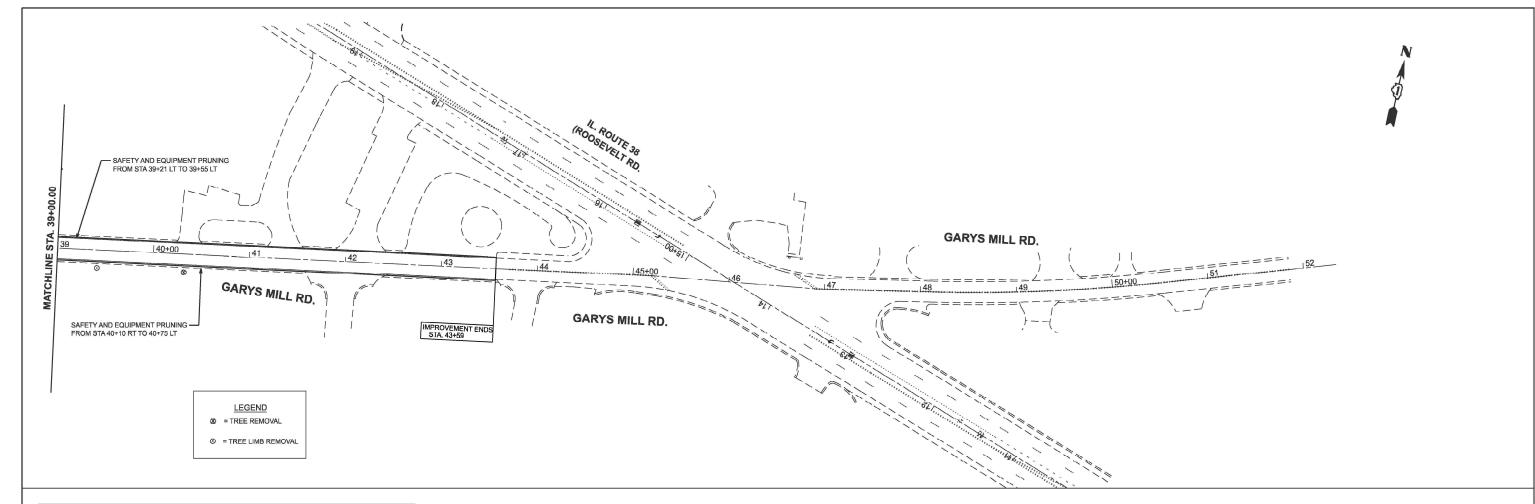
	USER NAME = connor.mullane	DESIGNED -	REVISED -	
		DRAWN -	REVISED -	ı
		CHECKED -	REVISED -	l
1	PLOT DATE = 3/20/2025	DATE -	REVISED -	ı

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GA	RY MILLS			DWAY PI	.AN 59 TO IL, ROU	TE 38)
SCALE: 1"=50'	SHEET 2	OF	2	SHEETS	STA. 39+00.00	TO STA. 54+00.00

F.A.U RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
3549	2024-1020-RS		DUPAGE	21	8
			CONTRACT	NO. 62	K60
	ILLINOIS	FED, AII	D PROJECT		





	TREE REMOVAL (6 TO 15 UNITS	DIAMETER)
	<u>STATION</u>	<b>QUANTITY</b>
	15+99 RT	14
	22+95 RT	8
	23+05 RT	9
	23+15 RT	9
	23+34 RT	9
	23+46 RT	9
	23+46 RT	12
	23+46 RT	8
	23+46 RT	9
20100110	25+00 RT	7
UNIT	25+47 RT	7
	25+88 RT	14
	26+45 RT	10
	26+51 RT	7
	26+65 RT	11
	26+95 RT	10
	27+20 RT	12
	27+70 RT	8
	27+80 RT	8
	28+46 RT	8
	28+69 RT	10
	40+31 RT	11
	TOTAL	210

	TREE REMOVAL (UNDER 6 UNITS DIAMETER SAWED FLUS										
X0100018	<u>STATION</u>	<u>QUANTITY</u>									
UNIT	32+45 LT	7									
	32+47 LT	3									
	TOTAL	10									

	TREE LIMB REMOVAL (4 - 10 INCHES DIAMETER)										
X2010100	<u>STATION</u>	QUANTITY									
EACH	28+08 RT	1									
	39+38 RT	1									
	TOTAL	2									

	TREE LIMB REMOVAL (OVER 10 INCHES DIAMETER)										
	<u>STATION</u>	<u>QUANTITY</u>									
X2010200	24+85 RT	1									
EACH	25+37 RT	1									
	36+50 LT	1									
	TOTAL	3									

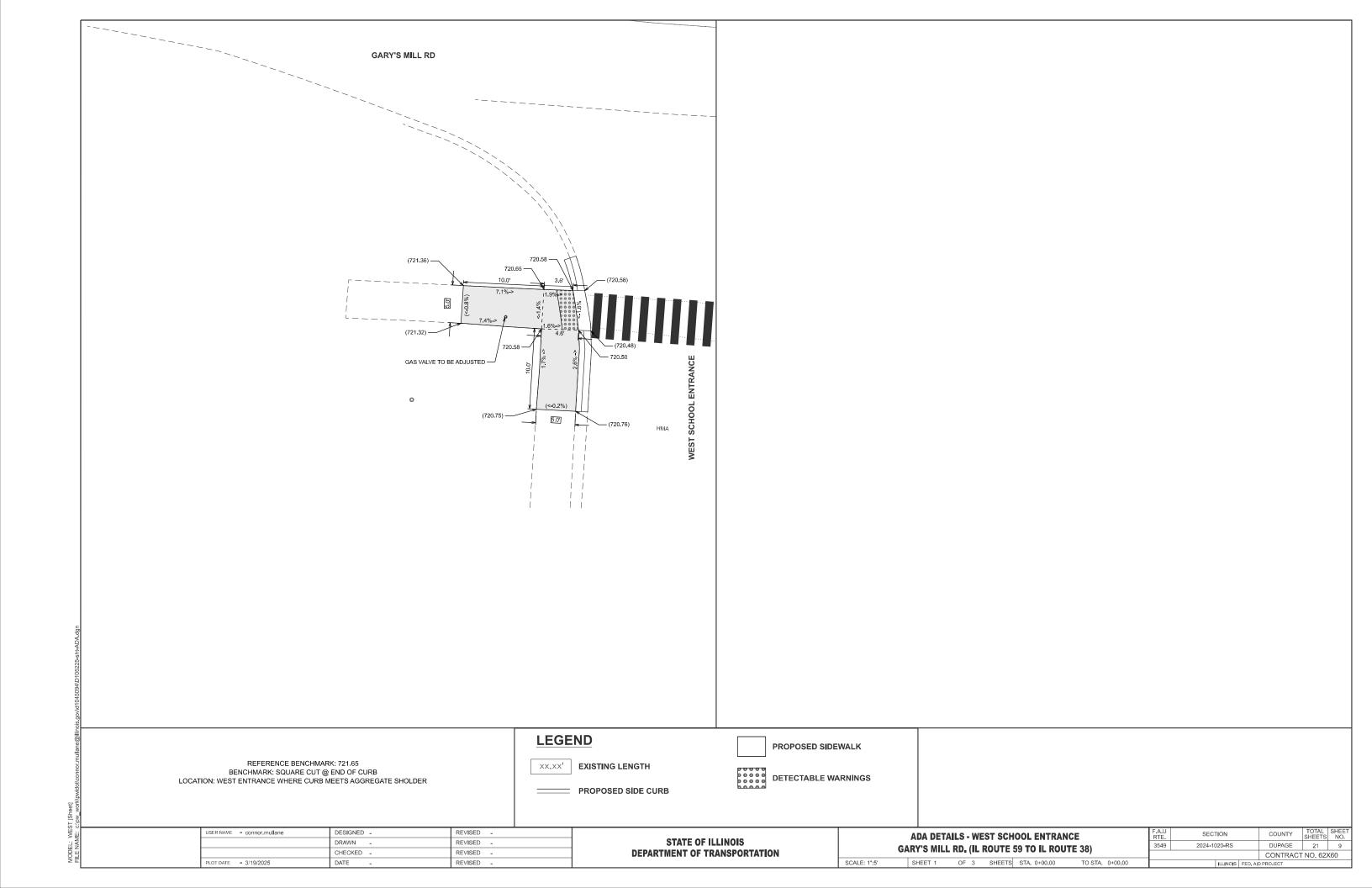
	PRUNING FOR SAFETY & EQUIP. CLEAR									
	STATION	QUANITY								
	23+10LT	0.45								
	32+18 RT	0.45								
X2100002	31+92 LT	1.64								
UNIT (100 LF)	37+25 LT	0.7								
	39+21 LT	0.29								
	40+10 RT	0.47								
	TOTAL	4								

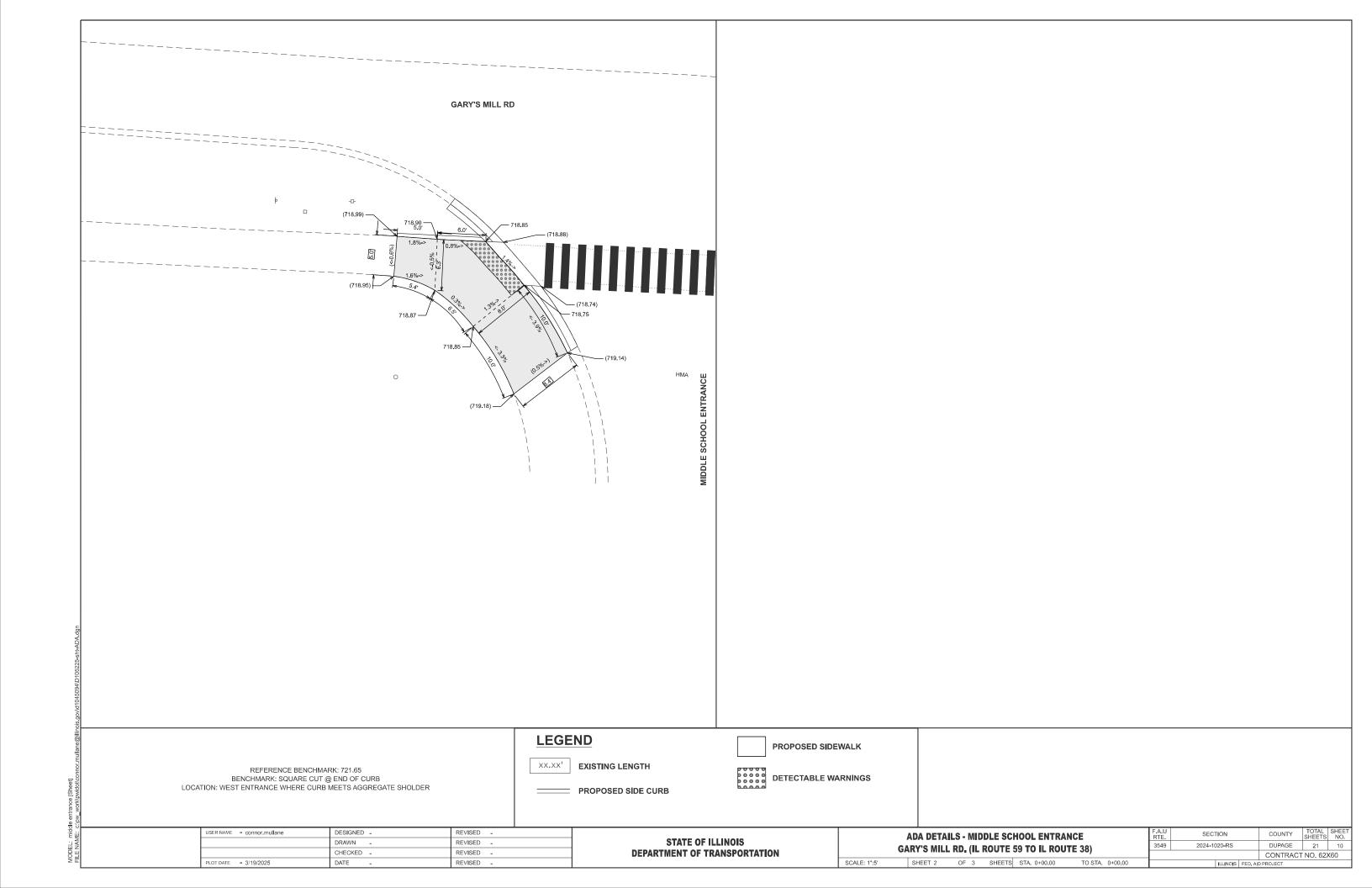
	SELECTIVE CLEARING	SELECTIVE CLEARING								
	<u>STATION</u>	<u>QUANTITY</u>								
Z0064800	14+50 RT	2.16								
UNIT (1000 SF)	22+40 RT	1.53								
	25+05 RT	0.53								
	26+90 RT	4.78								
	TOTAL	9								

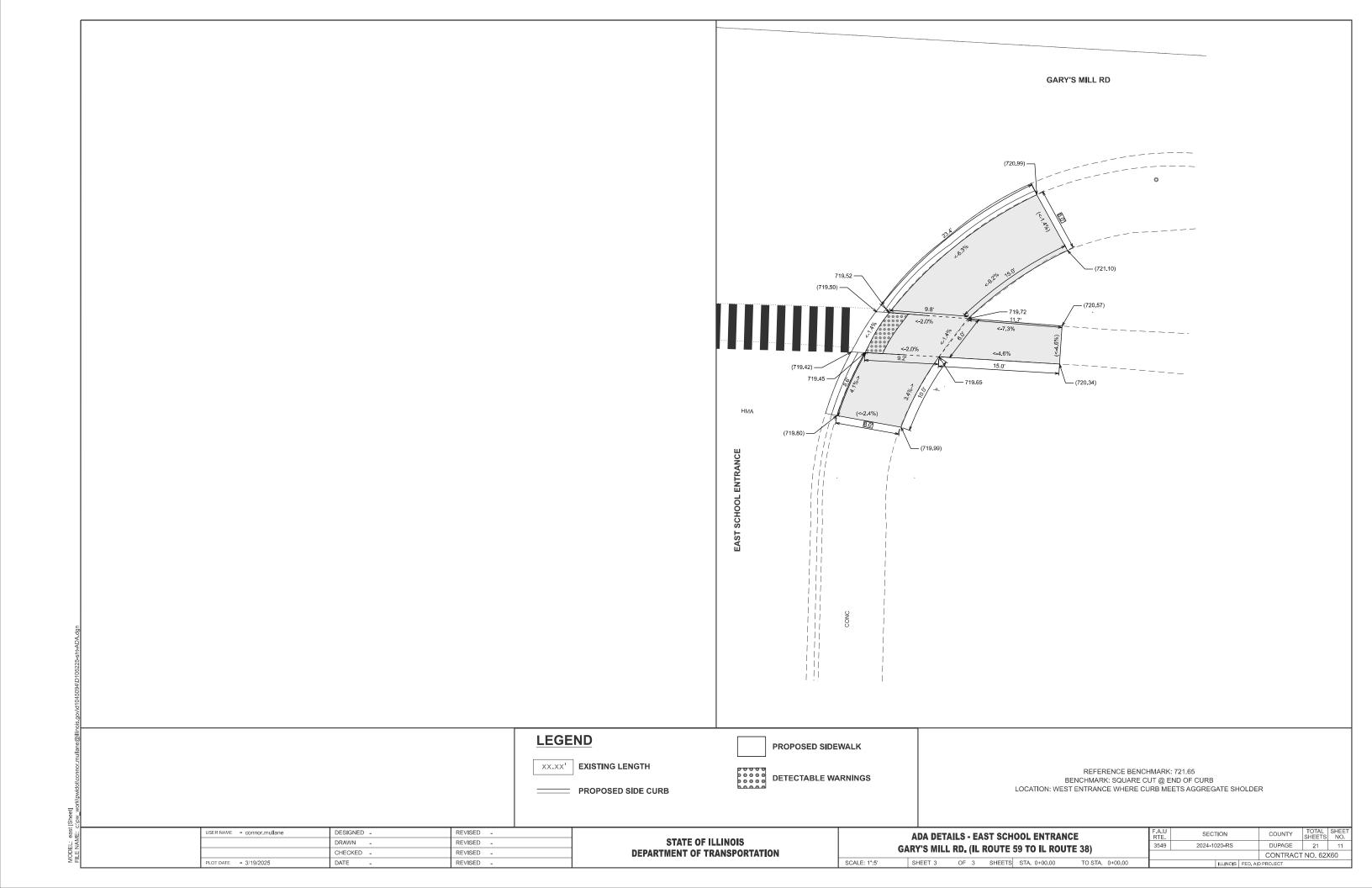
USER NAME = connor.mullane	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CI IECKED -	REVISED -
PLOT DATE = 4/16/2025	DATE -	REVISED -
PLOT DATE = 4/16/2025	DATE -	REVISED -

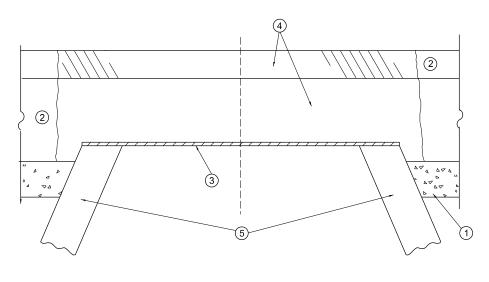
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

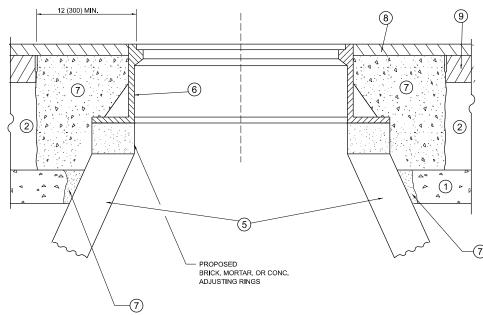
		LANDSC	APING	PLAN		F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
GA	RY MILLS	RD /II R	3549	2024-1020-RS	DUPAGE	21	8B			
UA.	IXI MILLO	IVD: (IE: I	LOUIL	3 IO ILI NOOI	L 30)			CONTRACT	NO. 622	X60
SCALE: 1"=50"	SHEET 2	OF	SHEETS	STA. 39+00.00	TO STA. 54+00.00	ILLINOIS FED. AID PROJECT				











## DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

#### **NOTES**

- 1. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- 2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
- 3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- 4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

#### CONSTRUCTION PROCEDURES

#### **STAGE 1** (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.

B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.

D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

#### **STAGE 2** (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

#### **LEGEND**

- ① SUB-BASE GRANULAR ⑥ FRAME AND LID (SEE NOTES)
  MATERIAL
- (2) EXISTING PAVEMENT (7) CLASS PP-2\* CONCRETE
- 3 36 (900) DIAMETER METAL PLATE
  - 8 PROPOSED HMA SURFACE COURSE
- PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- 9 PROPOSED HMA BINDER COURSE
- (5) EXISTING STRUCTURE

#### **LOCATION OF STRUCTURES**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

#### BASIS OF PAYMENT

- 1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
- THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
- 3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
- 4. WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

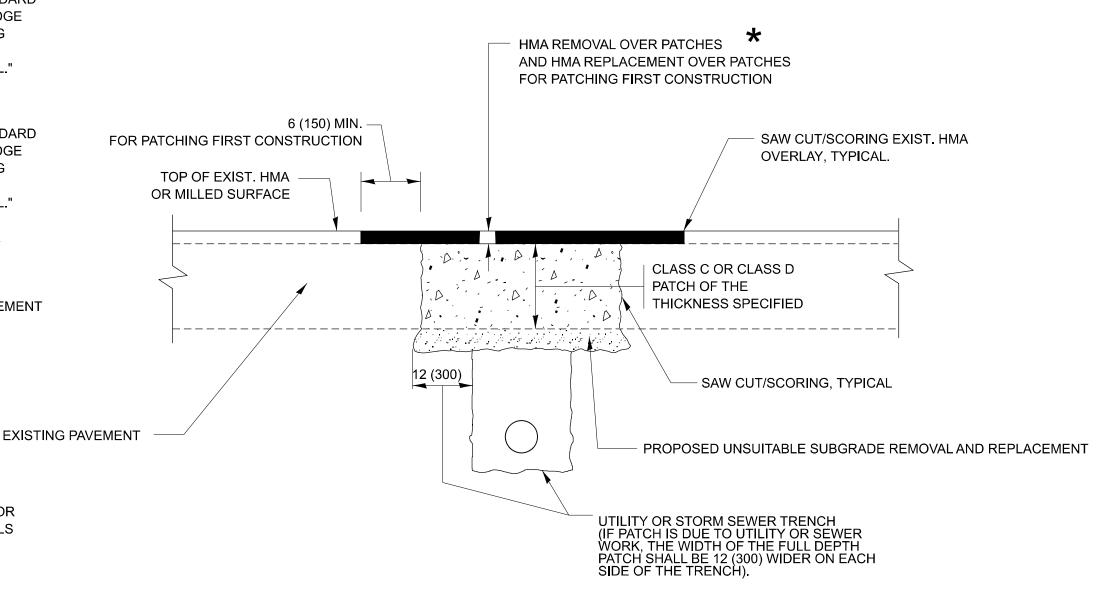
JSER NAME = connor.mullane DESIGNED - R. SHAH REVISED - R. BORO 03-09-11 **DETAILS FOR** STATE OF ILLINOIS DRAWN REVISED - R. BORO 12-06-11 3549 2024-1020-RS DUPAGE 21 FRAMES AND LIDS ADJUSTMENT WITH MILLING HECKED -REVISED - K. SMITH 11-18-22 **DEPARTMENT OF TRANSPORTATION** BD600-03 (BD-08) CONTRACT NO. 62X60 SCALE: NONE SHEET 1 OF 1 SHEETS STA. PLOT DATE = 3/19/2025 REVISED - K. SMITH 09-15-23 DATE 10-25-94

#### **METHOD OF MEASUREMENT**

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

#### **BASIS OF PAYMENT**

- 1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
- SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
- 3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



### **SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEE TYPICAL SECTIONS FOR

THICKNESS AND MATERIALS

- 2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
- 3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

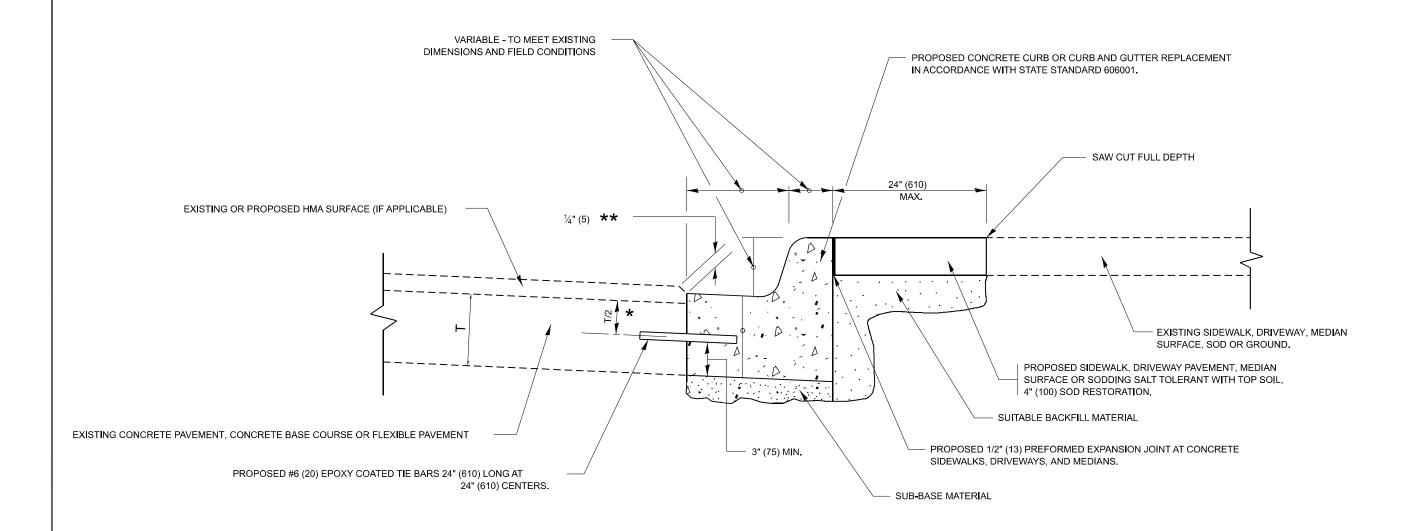
### **SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

- 1. MILL HMA FIRST IF THERE IS AT LEAST 4 ½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
- 2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

USER NAME = connor.mullane	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07		PAVEMENT PATCHING FOR		F.A.U RTF	SECTION	COUNTY TO	OTAL SHEET	
	DRAWN -	REVISED - R. BORO 09-04-07	STATE OF ILLINOIS	HMA SURFACED PAVEMENT			3549	2024-1020-RS	DUPAGE	21 13
	CHECKED -	REVISED - K. ENG 10-27-08	DEPARTMENT OF TRANSPORTATION				В	3D400-04 (BD-22)	20117710711	D. 62X60
PLOT DATE = 3/19/2025	DATE - 10-25-94	REVISED - K. SMITH 11-18-22		SCALE: NONE	SHEET 1 OF 1 SHEETS STA.	TO STA.		ILLINOIS FED. AI	ID PROJECT	

MODEL: bd22 [Sheet]

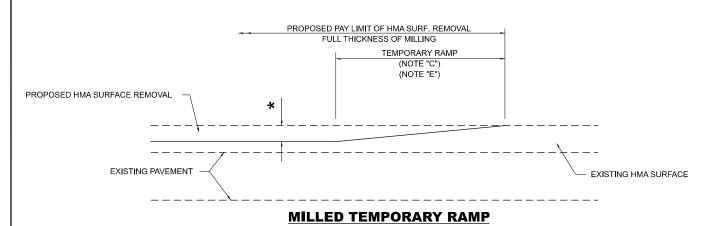


- \* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

## **CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT**

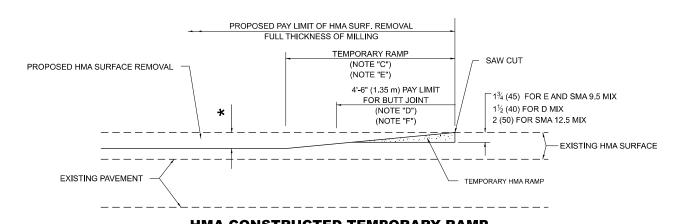
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

USER NAME = connor.mullane	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97			CUR	3 OR C	URR AN	ID GUTTER		F.A.U RTF	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	REVISED - M. GOMEZ 01-22-01	REVISED - M. GOMEZ 01-22-01 STATE OF ILLINOIS		REMOVAL AND REPLACEMENT					3549	2024-1020-RS	DUPAGE	21	14
	CHECKED -	REVISED - R. BORO 12-15-09	DEPARTMENT OF TRANSPORTATION		REMOVAL AND REPLACEMENT					BD600-06 (BD-24)	CONTRAC	OT NO. 62	X60	
PLOT DATE = 3/19/2025	DATE - 03-11-94	REVISED - K. SMITH 07-11-19		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.		ILLINOIS FED. A	D PROJECT	•	



(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

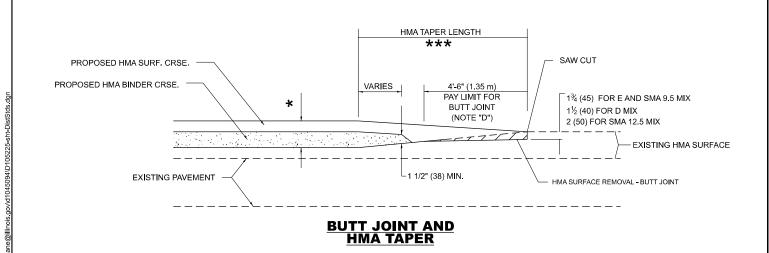
#### OPTION 1



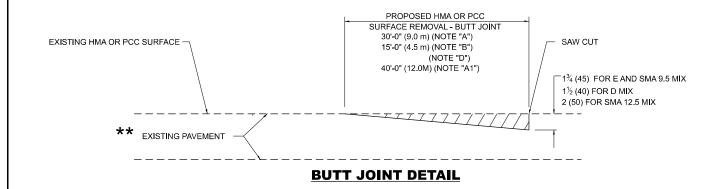
HMA CONSTRUCTED TEMPORARY RAMP

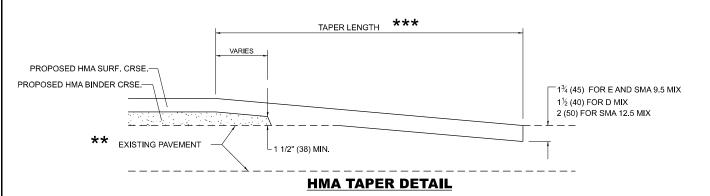
#### (FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

# 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.
  - \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

\*\*\*

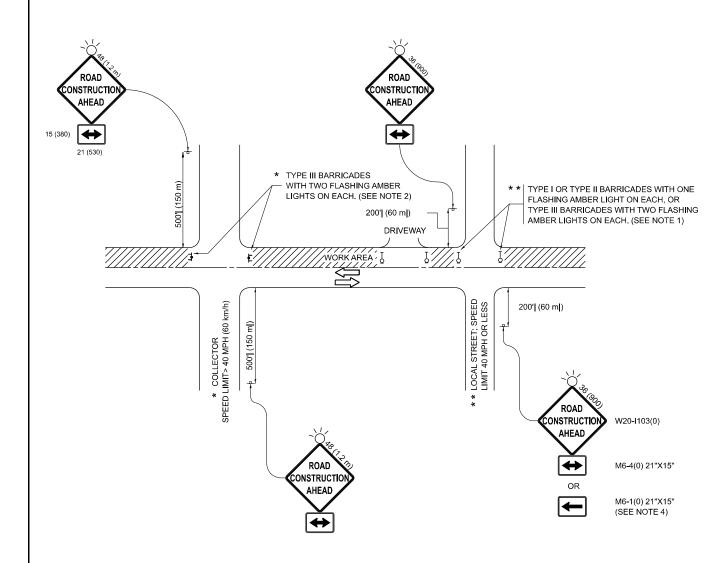
20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A") 10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

#### 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"
- 2. 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.

USER NAME = connor.mullane DESIGNED - M. DE YONG **BUTT JOINT AND STATE OF ILLINOIS** REVISED -DRAWN M. GOMEZ 04-06-01 2024-1020-RS DUPAGE **HMA TAPER DETAILS** CHECKED -**DEPARTMENT OF TRANSPORTATION** BD400-05 BD-32 CONTRACT NO. 62X60 SHEET 1 OF 1 SHEETS STA. PLOT DATE = 3/19/2025 DATE REVISED - K. SMITH 11-18-22 TO STA.



#### 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.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY 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) IN HEIGHT
- 4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

SCALE:

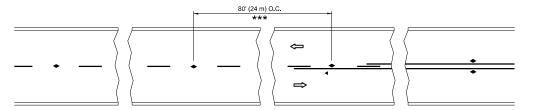
- 5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- 6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- 7. 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.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

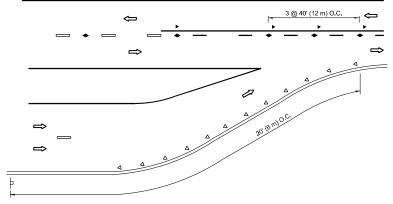
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

| SHEET OF SHEETS STA. TO STA.

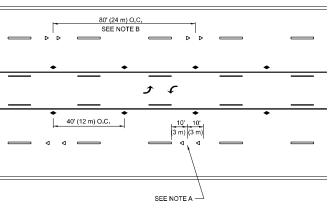


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

#### SEE FIGURE 3B-14 MUTCD

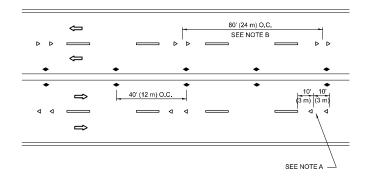


**LANE REDUCTION TRANSITION** 

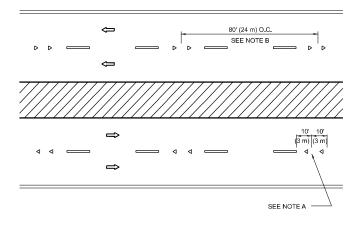


**TWO-WAY LEFT TURN** 

#### TWO-LANE/TWO-WAY



**MULTI-LANE/UNDIVIDED** 



**MULTI-LANE/DIVIDED** 

### **GENERAL NOTES**

- 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 LESSER OF THE TWO CURVE SPACINGS.
- 4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

### SYMBOLS

YELLOW STRIPE

──── WHITE STRIPE

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

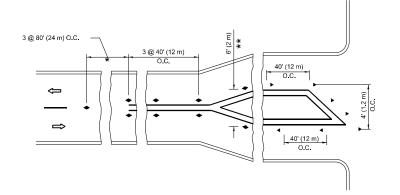
#### **LANE MARKER NOTES**

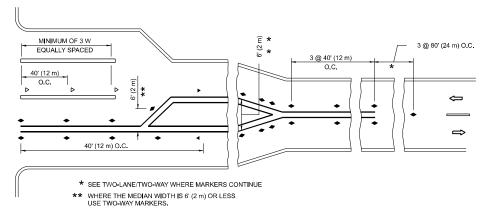
A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

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.
- 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.
- MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



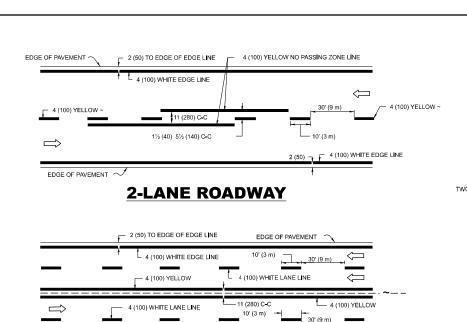


**TURN LANES** 

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

USER NAME = connor.mullane	DESIGNED -	REVISED - T. RAMMACHER 03-12-99		TYPICAL APPLICATIONS		F.A.U RTE	SECTION	COUNTY	TOTAL	SHEET NO.				
	DRAWN -	REVISED - T. RAMMACHER 01-06-00	STATE OF ILLINOIS	RAISED REFLI	_				DI OW DECICTANT	3549	2024-1020-RS	DUPAGE	21	17
	CHECKED -	REVISED - C. JUCIUS 09-09-09	DEPARTMENT OF TRANSPORTATION	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			TC-11	CONTRACT	NO. 62	X60				
PLOT DATE = 3/19/2025	DATE -	REVISED - C. JUCIUS 07-01-13		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		

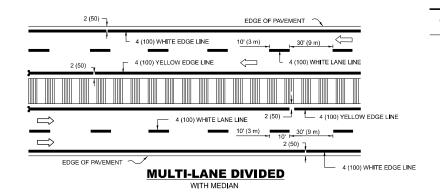
MODEL: tc11 [Sheet]



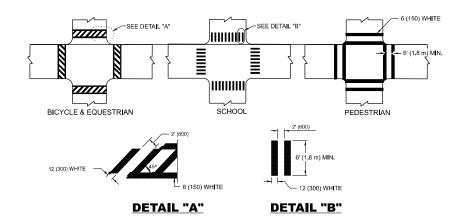
2 (50) 7

4 (100) WHITE EDGE LINE

#### **MULTI-LANE UNDIVIDED**



#### **TYPICAL LANE AND EDGE LINE MARKING**



**TYPICAL CROSSWALK MARKING** 

#### TWO-4 (100) YELLOW @ 11 (280) C-C 4' (1.2 m) OUTS DE TO NO DIAGONALS TWO-4 (100) YELLOW @ 11 (280) C-C

@ 10' (3 m) OR LESS SPACING

8 (200) WHITE

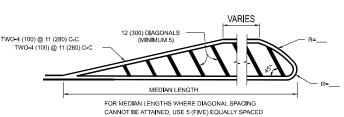
ISLAND OFFSET FROM PAVEMENT EDGE

8 (200) WHITE -

**ISLAND AT PAVEMENT EDGE** 

RAISED

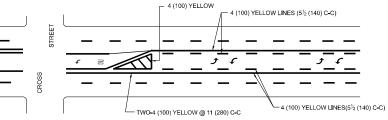
#### 4' (1.2 m) WIDE MEDIANS ONLY



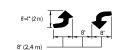
DIAGONAL LINES. 50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))

150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

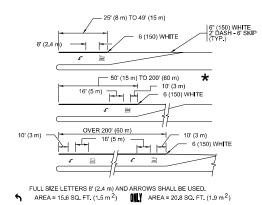
## MEDIANS OVER 4' (1.2 m) WIDE



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



#### **MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**



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**



#### COMBINATION **LEFT AND U-TURN**



LANE REDUCTION

**TRANSITION** 

**U-TURN** 

★ LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR

D(FT)

SPEED LIMIT

		_	· Oitin	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 LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW	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 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4" (12 m) IN ADVANCE OF AND PARALLEL TO CROSSWAM, 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 <sup>2</sup> ) EACH *X*=54.0 SQ, FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS $\geq 8^{\circ}$ )	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

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

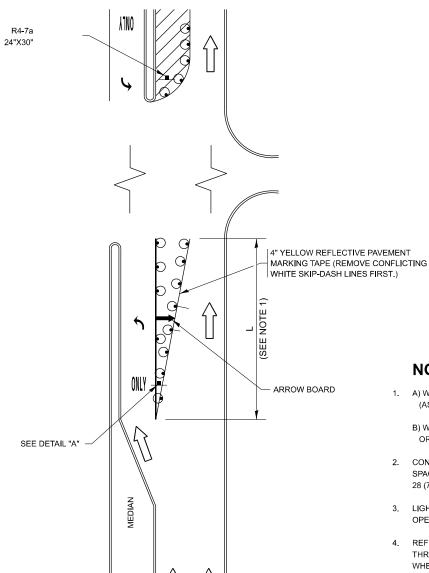
USER NAME = connor.mullane	DESIGNED -	EVERS	REVISED	-	C. JUCIUS 09-09-09
	DRAWN -		REVISED	-	C. JUCIUS 07-01-13
	CHECKED -		REVISED	-	C. JUCIUS 12-21-15
PLOT DATE = 3/19/2025	DATE -	03-19-90	REVISED	-	C. JUCIUS 04-12-16

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION** 

SECTION DISTRICT ONE 3549 2024-1020-RS DUPAGE **TYPICAL PAVEMENT MARKINGS** TC-13 CONTRACT NO. 62X60 SHEET 1 OF 1 SHEETS STA.

\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF

## **TURN BAY ENTRANCE AT START** OF LANE CLOSURE TAPER



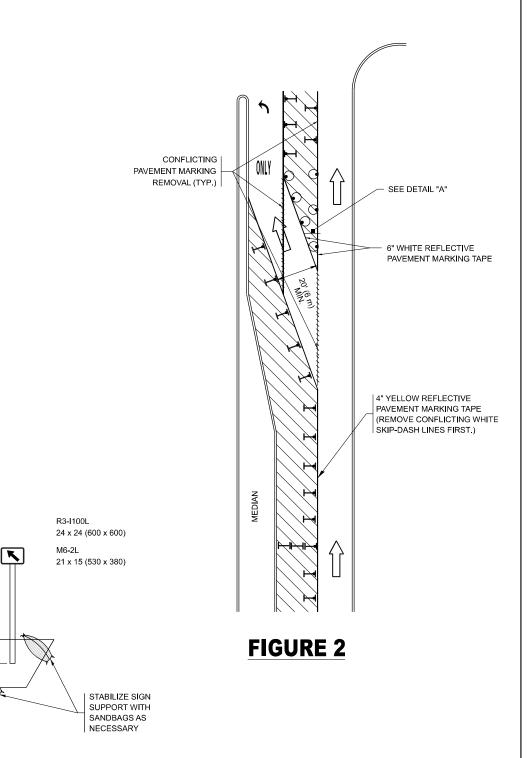
## FIGURE 1

## **LEGEND** WORK AREA LANE OPEN TO TRAFFIC ARROW BOARD TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT DRUM WITH STEADY BURN LIGHT SIGN ASSEMBLY TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

#### NOTES:

- 1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
  - B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
- 2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- 3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL
- 4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
- 5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
- THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
- 7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
- 8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

## **TURN BAY ENTRANCE WITHIN A LANE CLOSURE**



## **DETAIL A**

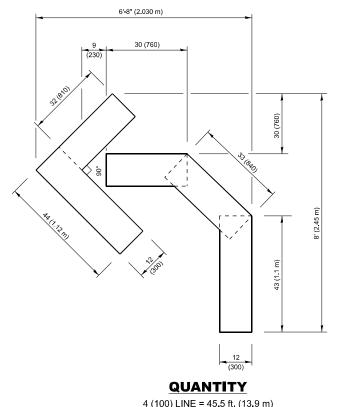
All dimensions are in inches (millimeters) unless otherwise shown.

21

SER NAME = connor.mullane DESIGNED - T. RAMMACHER 09-08-94 REVISED - R. BORO 09-14-09 DRAWN - A. HOUSEH 11-07-95 REVISED - A. SCHUFTZF 07-01-13 CHECKED - A. HOUSEH 10-12-96 REVISED - A. SCHUETZE 09-15-16 PLOT DATE = 3/19/2025 DATE - T RAMMACHER 01-06-00 REVISED

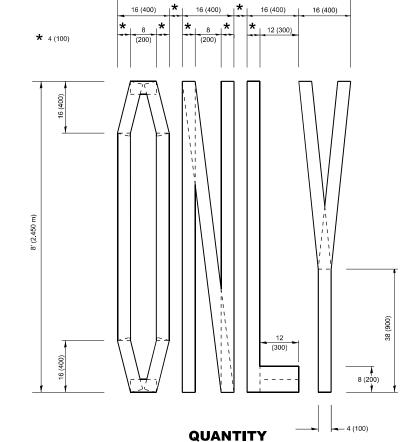
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION** 

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS SECTION 2024-1020-RS 3549 DUPAGE (TO REMAIN OPEN TO TRAFFIC) CONTRACT NO. 62X60 TC-14 SCALE: NONE SHEET 1 OF 1 SHEETS STA.

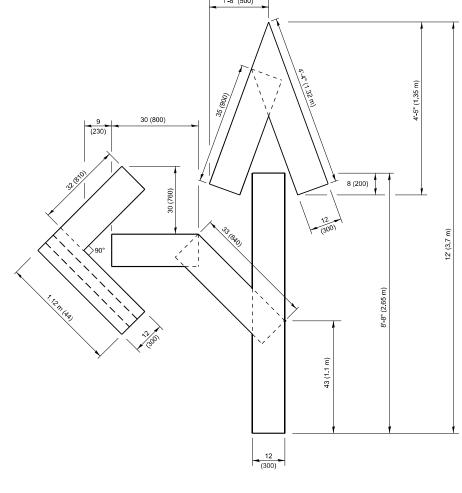


## 4 (100) LINE = 45.5 ft. (13.9 m)

15.2 sq. ft. (1.41 sq. m)



4 (100) LINE = 64.1 ft. (19.5 m) 21.4 sq. ft. (1.99 sq. m)

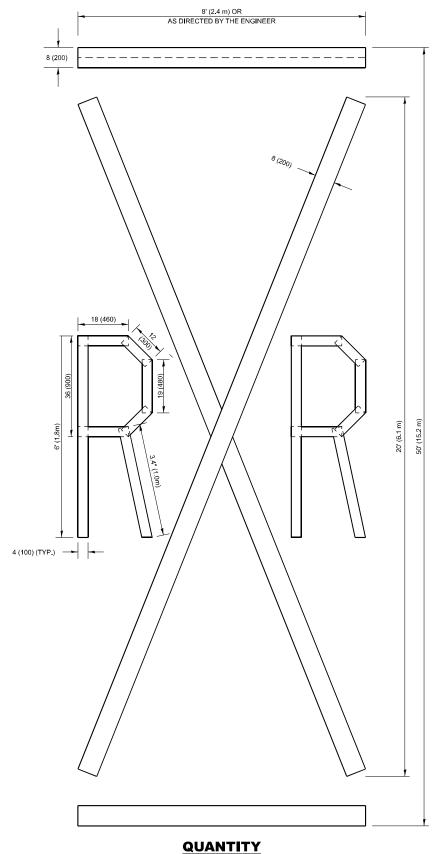


#### **QUANTITY**

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.

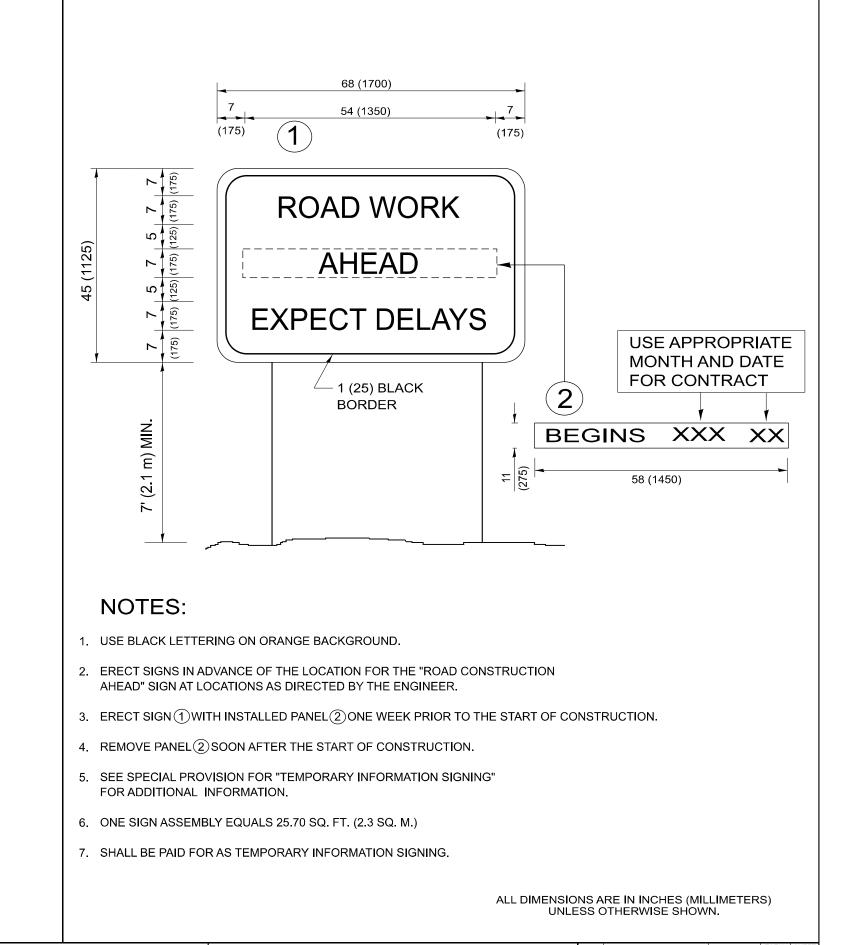
> > COUNTY SHEETS NO.
> >
> > DUPAGE 21 20

CONTRACT NO. 62X60

USER NAME = connor.mullane	DESIGNED -	REVISED - T. RAMMACHER 03-02-98		
	DRAWN -	REVISED	- E. GOMEZ 08-28-00	
	CHECKED -	REVISED	- E. GOMEZ 08-28-00	
PLOT DATE = 3/19/2025	DATE _ 09-18-94	REVISED	- A SCHUETZE 09-15-16	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS					F.A.U RTE.				
	3549	549 2024-1020-RS							
	TC-16								
SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.			ILLINOIS	FED. A



ISER NAME = connor.mullane DESIGNED -REVISED - R. MIRS 09-15-97 DRAWN REVISED - R. MIRS 12-11-97 CHECKED -REVISED - T. RAMMACHER 02-02-99 PLOT DATE = 3/19/2025 REVISED - C. JUCIUS 01-31-07 DATE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

**ARTERIAL ROAD INFORMATION SIGN** SHEET 1

SCALE: NONE

3549 2024-1020-RS DUPAGE 21 21 TC-22 CONTRACT NO. 62X60

OF 1 SHEETS STA. TO STA.

