

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHE NO
344	2025-2026-R5	LAKE	50	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 80B50		

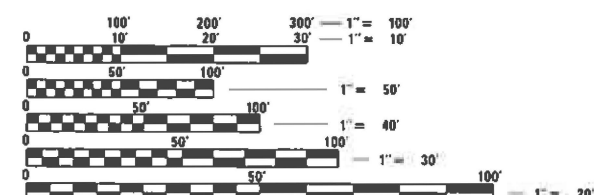
FOR INDEX OF SHEETS, SEE SHEET NO. 2

**THE PROJECT IS LOCATED WITHIN:
VILLAGE OF MUNDELEIN**

TRAFFIC DATA: U.S. 45

2023 ADT – 22,371 VPD
POSTED SPEED LIMIT – 30 MPH

**ROUTE F.A.P. 344: U.S. 45 (LAKE STREET)
ILL 176 (MAPLE AVENUE) TO WOODLAWN DRIVE
STANDARD OVERLAY & ADA IMPROVEMENTS
2025-2069-RS
PROJECT: NHPP-8KIB(273)
LAKE COUNTY
C-91-074-26**

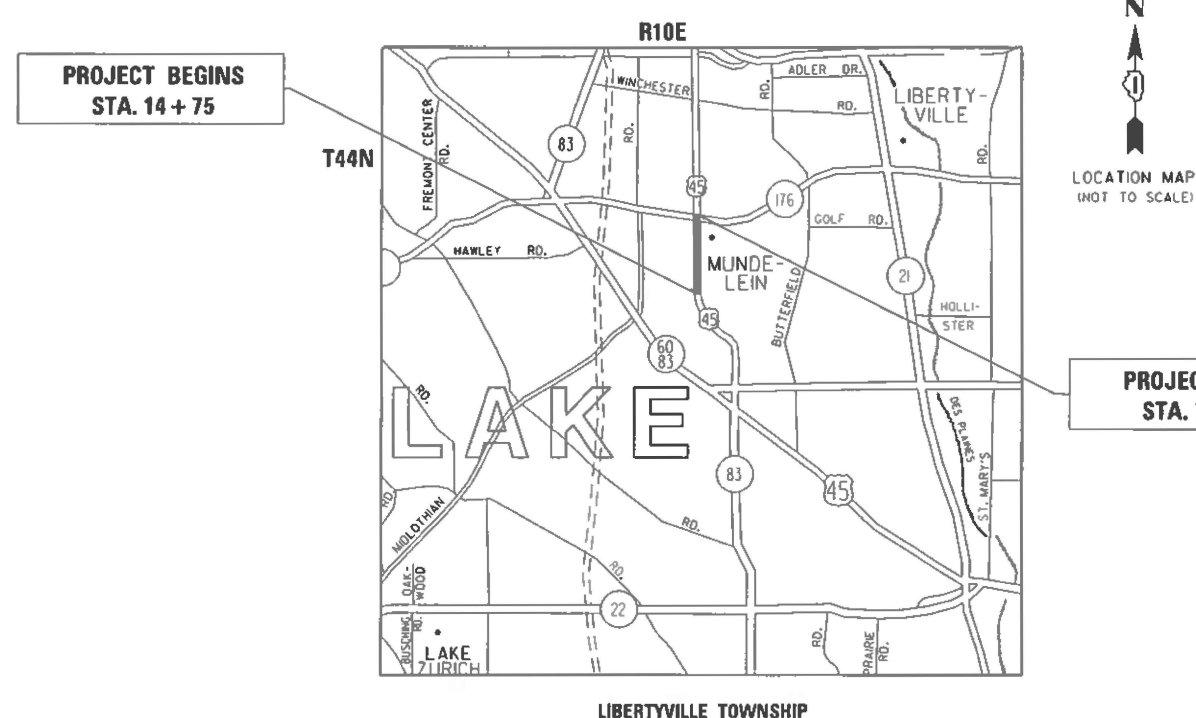


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: VESELIN VELICHKOV (847) 705-4432
PROJECT MANAGER: FAWAD AQUEEL

CONTRACT NO. 80B50



GROSS & NET LENGTH = 5,697 FT = 1.08 MI.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RECEIVED
AUG 13th 20 25 1R
Jesse Pies
REGIONAL ENGINEER

OCTOBER 3 20 25
S. E. A. E. K.
ENGINEER OF DESIGN AND ENVIRONMENT

OCTOBER 3 20 25
J. P. P.
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 5

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
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7-8	EXISTING & PROPOSED TYPICAL SECTIONS
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12-20	PEDESTRIAN RAMP DETAILS
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50	TS-07: DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

LIST OF STATE STANDARDS - CONTINUED

STANDARD NO.	DESCRIPTION
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 2' FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 2' FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS <= 40 MPH
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2 WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
814001-03	HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTOR LOOPS

GENERAL NOTES - CONTINUED

- 9) BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- 10) THE RESIDENT ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER, BRANDY KENNEDY AT BRANDY.KENNEDY@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 11) PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- 12) ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 13) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 14) THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 15) FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- 16) ALL MILLED SURFACES SHALL BE AT A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
- 17) THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY OR ALL EXISTING ITEMS THAT WILL NOT BE REMOVED INCLUDING PREVIOUSLY SEEDED AREAS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
- 18) ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- 19) 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 SO THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- 20) DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
- 21) LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT [OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)], WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 22) DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 23) WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (85 KM/H) OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (85 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- 24) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 25) 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 ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- 26) ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF CURB OR DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT. ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
- 27) THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.

LIST OF STATE STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
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
442201-03	CLASS C AND D PATCHES
604001-05	FRAME AND LIDS, TYPE 1
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

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 IS REQUIRED).
- 2) THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF MUNDELEIN.
- 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) DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 5) TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.
- 6) ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- 7) THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ADJUTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT DURING THE CONSTRUCTION OF THIS PROJECT.
- 8) TEMPORARY PAVEMENT MARKINGS OR SHORT TERM PAVEMENT MARKINGS ON INTERMEDIATE SURFACES SHALL NOT BE REMOVED, UNLESS DIRECTED BY THE ENGINEER

FILE NAME =	USER NAME = yaseen.queishi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 45 (LAKE ST.) FROM ILL 176 (MAPLE AVE.) TO WOODLAWN DR. INDEX OF SHEETS, STANDARDS & GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw://ildot-pw.bentley.com/PWIDOT/Documents/IDOT Offices/District 1/ORD Projects/US 45 (Lake St.)/Drawings/CADD Data/CAD sheets/US 45 (Lake St.)/Sheet 344-shrt-cover.dgn	DRAWN -	REVISED -	344			2025-2026-R5	LAKE	50	2	
PLOT SCALE = 100.000' / in.	CHECKED -	REVISED -	CONTRACT NO. 80B50							
PLOT DATE = 8/15/2025	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0005 ROADWAY 80% FED /20% STATE	0005 ROADWAY 100% STATE				
20200100	EARTH EXCAVATION	CU YD	25	25					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	175	175					
25200110	SODDING, SALT TOLERANT	SO YD	175	175					
25200200	SUPPLEMENTAL WATERING	UNIT	5	5					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	27868	27868					
40600370	LONGITUDINAL JOINT SEALANT	FOOT	17091	17091					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	62	62					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	390	390					
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	1704	1704					
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	4085	4085					
42001300	PROTECTIVE COAT	SO YD	825	825					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	5406	5406					
42400800	DETECTABLE WARNINGS	SO FT	415	415					
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	19	19					

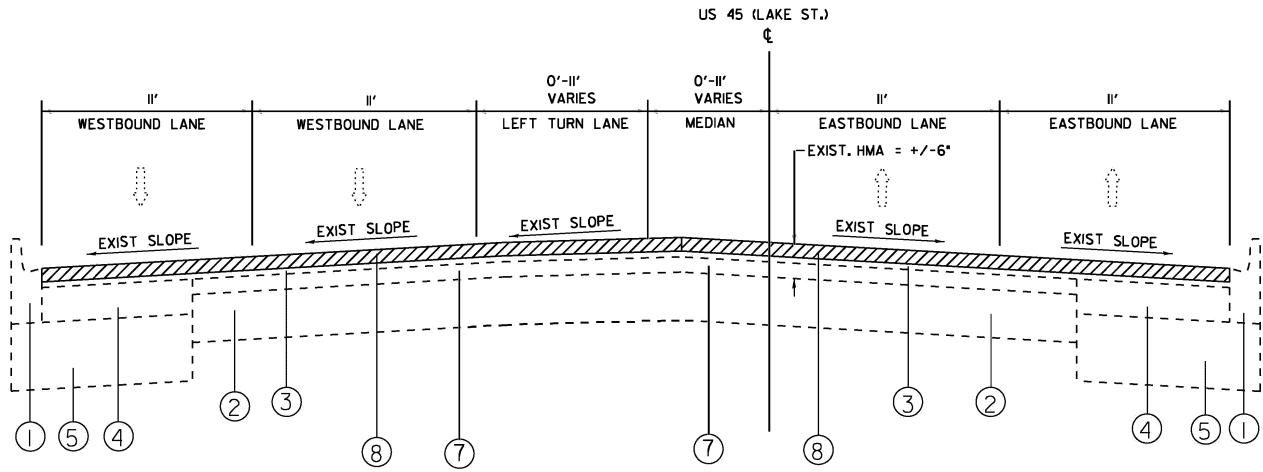
SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0005 ROADWAY 80% FED /20% STATE	0005 ROADWAY 100% STATE				
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	41676	41676					
44000600	SIDEWALK REMOVAL	SO FT	5362	5362					
44201773	CLASS D PATCHES, TYPE I, 11 INCH	SO YD	100	100					
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SO YD	1000	1000					
44201781	CLASS D PATCHES, TYPE III, 11 INCH	SO YD	500	500					
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SO YD	400	400					
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1					
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1	1					
60260100	INLETS TO BE ADJUSTED	EACH	5	5					
60266600	VALVE BOXES TO BE ADJUSTED	EACH	4	4					
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	9	9					
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	3	3					
60604400	COMBINATION CONCRETE CURB AND GITTER, TYPE B-6.18	FOOT	807	807					
60920012	PIPE CULVERTS TO BE CLEANED 12"	FOOT	200	200					
60920018	PIPE CULVERTS TO BE CLEANED 18"	FOOT	200	200			* SPECIALTY ITEM		
							# NON PARTICIPATING ITEM		

FILE NAME =		USER NAME = yaseenquraishi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				US 45 (LAKE ST.) FROM ILL 176 (MAPLE AVE.) TO WOODLAWN DR. SUMMARY OF QUANTITIES				F.A.P. RTE. 344		SECTION 2025-2026-RS		COUNTY LAKE	TOTAL SHEETS 50	SHEET NO. 3
p:\11dot-pw-bentley.com\PI\DOT\Documents\1DOT of Rose\District 1\ORD Projects\US 45 (Lake Street)\CADD\Drawings\US 45 (Lake Street)-stt-cover.dgn			REVIS																
PLOT SCALE = 100/32 " / In.			CHECKED -																
PLOT DATE = 8/15/2025			DATE -																

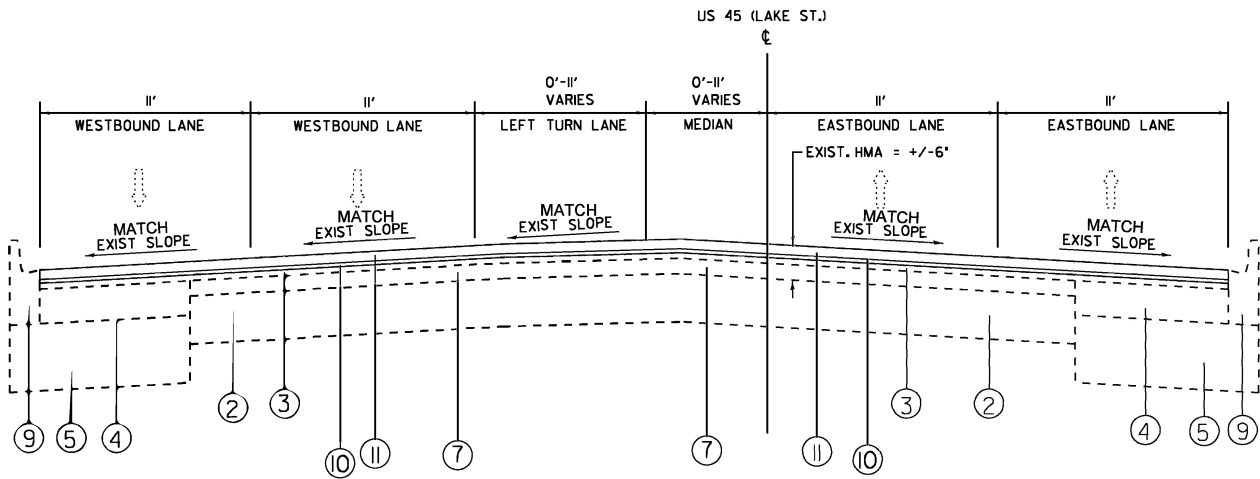
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE											
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 ROADWAY 80% FED /20% STATE	0005 ROADWAY 100% STATE					CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 ROADWAY 80% FED /20% STATE	0005 ROADWAY 100% STATE										
60920024	PIPE CULVERTS TO BE CLEANED 24"	FOOT	200		200					70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3077	3077											
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	25	25						70300211	TEMPORARY PAVEMENT MARKING LETTERS AND	SQ FT	849	849											
											SYMBOLS - PAINT														
66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1																					
										70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	18095	18095											
66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1																					
										70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	4725	4725											
66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION	L SUM	1	1																					
	REPORT									70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	1540	1540											
66901006	REGULATED SUBSTANCES MONITORING	CAL DA	15	15						70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	658	658											
67100100	MOBILIZATION	L SUM	1	1						70307120	TEMPORARY PAVEMENT MARKING - LINE 4"-	FOOT	3077	3077											
											TYPE IV TAPE														
70102625	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1						* 78000100	THERMOPLASTIC PAVEMENT MARKING -	SQ FT	849	849											
	STANDARD 701606										LETTERS AND SYMBOLS														
70102632	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1																					
	STANDARD 701602									* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	18095	18095											
70102634	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1						* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4725	4725											
	STANDARD 701611																								
										* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1540	1540											
70102635	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1																					
	STANDARD 701701									* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	658	658											
70102640	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1						* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	721	721											
	STANDARD 701801																								
										78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	721	721			* SPECIALTY ITEM								
70300100	SHORT TERM PAVEMENT MARKING	FOOT	12308	12308													# NON PARTICIPATING ITEM								
FILE NAME =		USER NAME = yassen.queshi		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				US 45 (LAKE ST.) FROM ILL 176 (MAPLE AVE.) TO WOODLAWN DR. SUMMARY OF QUANTITIES				F.A.P. RTE.		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.			
p:\11001-pw.bentley.com\PI\DOT\Documents\1001001\cas\District 1\ORD Projects\US 45 (Lake Street)\CADD\Drawings\US 45 (Lake Street)-sit-cover.dgn		PLOT SCALE = 100.000' / 1" =		CHECKED -		REVISED -										344		2025-2026-RS		LAKE		50		4	
PLOT DATE = 8/15/2025		DATE -		REVISED -		CONTRACT NO. 80850																			
						SCALE: NONE										SHEET NO. 2 OF 4 SHEETS		STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE																	
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 ROADWAY 80% FED /20% STATE	0005 ROADWAY 100% STATE					CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 ROADWAY 80% FED /20% STATE	0005 ROADWAY 100% STATE																
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	185	185						X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1																	
	2" DIA.																														
										X0327611	REMOVE AND REINSTALL BRICK PAVER	SD FT	143	143																	
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL	EACH	4	4																											
	INSTALLATION									* X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	10	10																	
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	1656	1656						* X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1	1																	
	14 2C																														
										X4400501	COMBINATION CURB AND GUTTER REMOVAL AND	FOOT	110	110																	
											REPLACEMENT LESS THAN OR EQUAL TO 10																				
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	71	71							FEET																				
	14 3C																														
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT	FOOT	244	244																											
	GROUNDING CONDUCTOR, NO. 6 1C									X4400503	COMBINATION CURB AND GUTTER REMOVAL AND	FOOT	1257	1257																	
											REPLACEMENT GREATER THAN 10 FEET																				
* 87900200	DRILL EXISTING HANDHOLE	EACH	10	10						# X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	400		400																
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE,	EACH	1	1																											
	BRACKET MOUNTED WITH COUNTDOWN									X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	51	51																	
	TIMER																														
										X6700407	ENGINEER'S FIELD OFFICE, TYPE A (DI)	CAL MD	12	12																	
* 88600100	DETECTOR LOOP, TYPE I	FOOT	2366	2366																											
										X7200061	TEMPORARY INFORMATION SIGNING	SD FT	154	154																	
										X8500110	MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION	EACH	1	1																	
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	203	203						X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	32	32																	
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL	EACH	4	4																											
	EQUIPMENT									* X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH	FOOT	44	44																	
											DIAMETER																				
89502376	REBUILD EXISTING HANDHOLE	EACH	2	2																											
										# Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	20		20			* SPECIALTY ITEM													
																		# NON PARTICIPATING ITEM													
FILE NAME =		USER NAME = yosenguresh		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				US 45 (LAKE ST.) FROM ILL 176 (MAPLE AVE.) TO WOODLAWN DR. SUMMARY OF QUANTITIES				F.A.P. RTE.		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.									
pww/71tdt-pw.bentley.com/PWIDOT/ Documents/100T Offices/District I/ORD Projects/US 45 (Lake Street)/CADDrawings/US 45 (Lake Street)-sit-cover.dgn				CHECKED -		REVISED -																				344	2025-2026-RS		LAKE	50	5
		PLOT SCALE = 100.095' / 1 in.		DATE -		REVISED -										SCALE: NONE					SHEET NO. 3 OF 4 SHEETS		STA. TO STA.		CONTRACT NO. 80B50						
		PLOT DATE = 8/15/2025																							FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

[illegible]



EXISTING TYPICAL SECTION
STA. 14+75 TO STA. 55+50



PROPOSED TYPICAL SECTION
STA. 14+75 TO STA. 55+50

LEGEND

- EXISTING COMBINATION CONCRETE CURB AND GUTTER
- EXISTING P.C. CONCRETE BASE COURSE, 9"
- EXISTING HMA SURFACE COURSE, 3" (BEFORE MILLING)
- EXISTING HMA BINDER COURSE, 10 1/4"
- EXISTING AGGREGATE SUBGRADE
- EXISTING SUB-BASE, 4"
- EXISTING HMA PAVEMENT, 3" & VARIES
- PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- PROPOSED COMBINATION CONCRETE CURB AND GUTTER (LOCATIONS TO BE DETERMINED BY THE RE IN THE FIELD)
- PROPOSED POLY. HMA BINDER COURSE, IL-4.75, N50, 3/4"
- PROPOSED POLY. HMA SURFACE COURSE, IL-9.5, MIX "E", N70, 1 3/4"

- NOTES:
- THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING
 - LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLY. HMA BINDER COURSE, IL-4.75, N50.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS(%) @ Ndes	
PAVEMENT RESURFACING		
POLY. HMA SURFACE COURSE, IL-9.5, MIX "E", N70; 1 3/4"	4.0% @ 70 GYR.	QCP
POLY. HMA SURFACE BINDER COURSE, IL-4.75, N50; 3/4"	3.5% @ 50 GYR.	QCP
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PPF)		

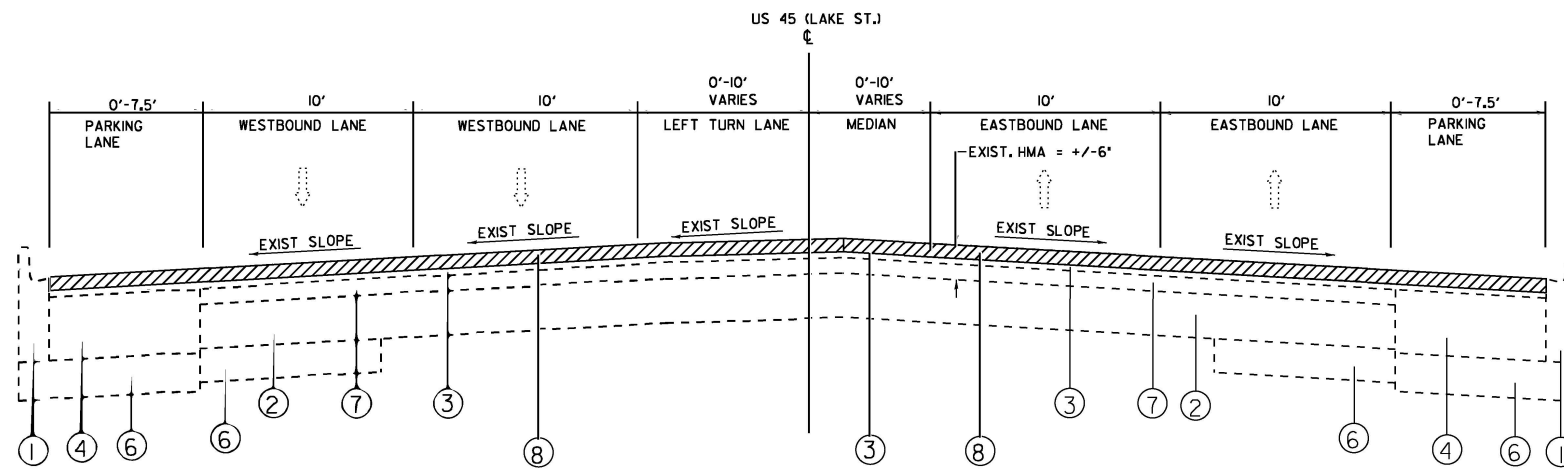
NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

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

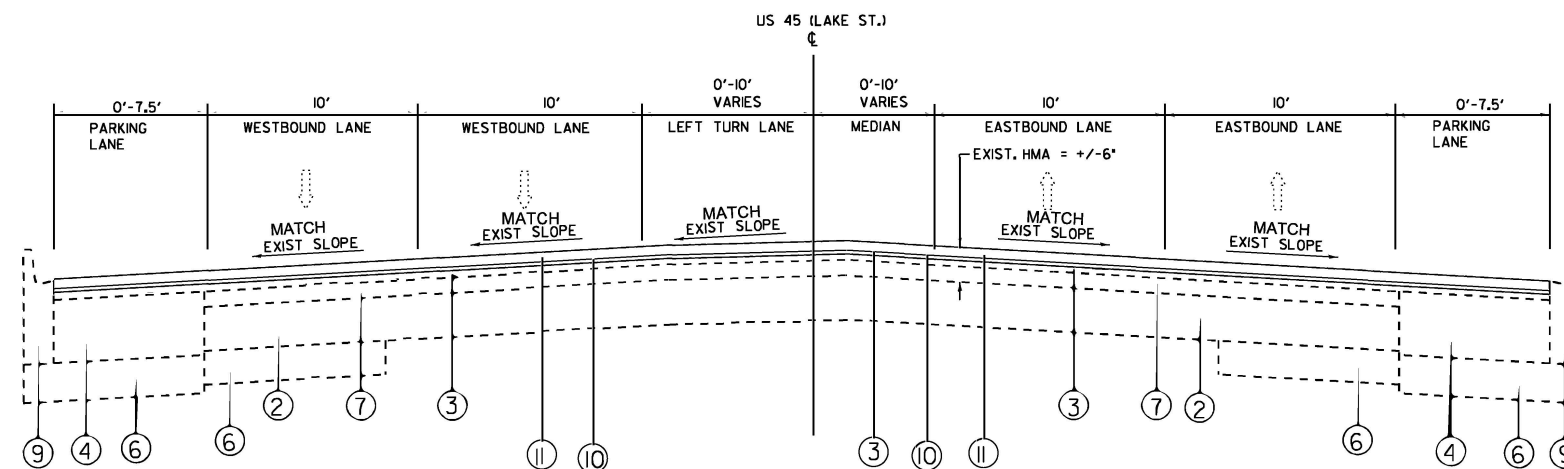
FILE NAME = pwt//il-dot-pw.bentley.com/PWIDOT/Documents/IDOT Offices/District 1/ORD Projects/US 45 DRAWN BY: pwt//il-dot-pw.bentley.com/CADDData/CADsheets/US 45 CHECKED BY: pwt//il-dot-pw.bentley.com/CADDData/CADsheets/US 45 PLOT SCALE = 100.000' / 1" / PLOT DATE = 8/15/2025	USER NAME = yaseen.qureshi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 45 (LAKE ST.) FROM ILL 176 (MAPLE AVE.) TO WOODLAWN DR. EXISTING & PROPOSED TYPICAL SECTIONS	SHEET NO. 1 OF 3 SHEETS	STA. TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
								344	2025-2026-RS	LAKE	50	7
								CONTRACT NO. 80B50				
								FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

LEGEND

1. EXISTING COMBINATION CONCRETE CURB AND GUTTER
2. EXISTING P.C. CONCRETE BASE COURSE, 9"
3. EXISTING HMA SURFACE COURSE, 3" (BEFORE MILLING)
4. EXISTING HMA BINDER COURSE, 10 1/4"
5. EXISTING AGGREGATE SUBGRADE
6. EXISTING SUB-BASE, 4"
7. EXISTING HMA PAVEMENT, 3" & VARIES
8. PROPOSED HMA SURFACE REMOVAL, 2½"
9. PROPOSED COMBINATION CONCRETE CURB AND GUTTER (LOCATIONS TO BE DETERMINED BY THE RE IN THE FIELD)
10. PROPOSED POLY. HMA BINDER COURSE, IL-4.75, N50, ¾"
11. PROPOSED POLY. HMA SURFACE COURSE, IL-9.5, MIX "E", N70, 1¾"



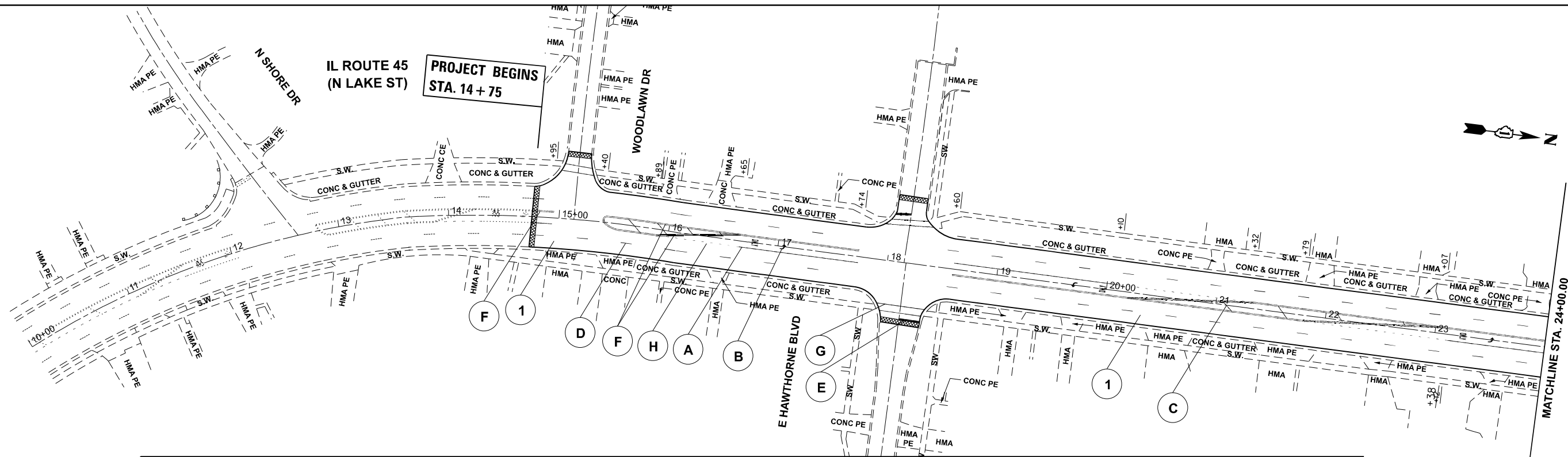
EXISTING TYPICAL SECTION
STA. 55+50 TO STA. 71+72



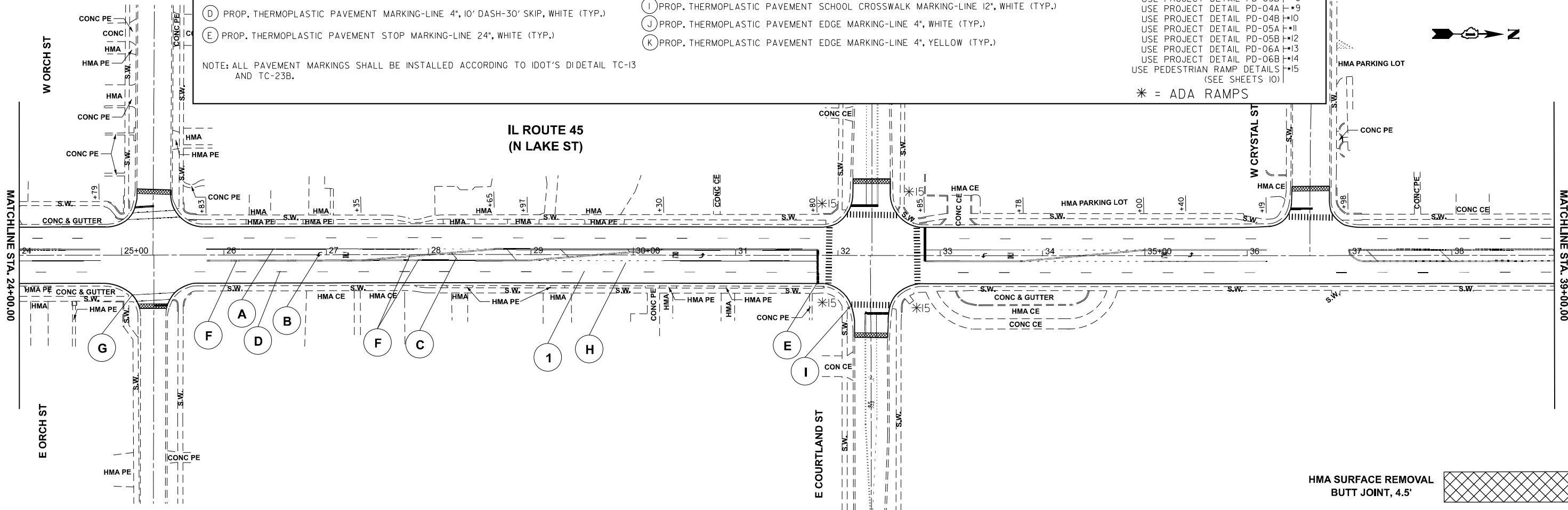
PROPOSED TYPICAL SECTION
STA. 55+50 TO STA. 71+72

FILE NAME =	USER NAME = yaseen.queeshi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 45 (LAKE ST.) FROM ILL 176 (MAPLE AVE.) TO WOODLAWN DR. EXISTING & PROPOSED TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw://ildot-pw.bentley.com/PWIDOT/Documents/	\\IDOT Offices\District 1\ORD Projects\US 45	ORD\176\Sheet\CADDData\CADsheets\US 45	REVISED 0-sh1-cover.dgn			344	2025-2026-RS	LAKE	50	8	
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	PLOT DATE = 8/15/2025	DATE	REVISED -								
				SHEET NO. 2 OF 3 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

MODEL: EXCL - US 45 Lake Street (Sheet)
FILE NAME: c:\p\work\p\road\qureshi\112734\US 45 (Lake Street)-shp-plan.dgn



- 1 PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
PROP. POLY. HMA BINDER COURSE, IL-4.75, N50, 3/4"
PROP. POLY. HMA SURFACE COURSE, IL-9.5, MIX "E", N70, 1 3/4"
- A PROP. THERMOPLASTIC PLASTIC PAVEMENT TURN LANE MARKING-LINE 6", WHITE (TYP.)
- B PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- C PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 75' C-C, YELLOW (TYP.)
- D PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE (TYP.)
- E PROP. THERMOPLASTIC PAVEMENT STOP MARKING-LINE 24", WHITE (TYP.)
- F PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)
- G PROP. THERMOPLASTIC PAVEMENT PEDESTRIAN CROSSWALK MARKING-LINE 6", WHITE (TYP.)
- H PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE (TYP.)
- I PROP. THERMOPLASTIC PAVEMENT SCHOOL CROSSWALK MARKING-LINE 12", WHITE (TYP.)
- J PROP. THERMOPLASTIC PAVEMENT EDGE MARKING-LINE 4", WHITE (TYP.)
- K PROP. THERMOPLASTIC PAVEMENT EDGE MARKING-LINE 4", YELLOW (TYP.)
- NOTE: ALL PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT'S DIDETAIL TC-13 AND TC-23B.
- PROPOSED CURB RAMP IMPROVEMENT
- USE PROJECT DETAIL PD-01A *1
 - USE PROJECT DETAIL PD-01B *2
 - USE PROJECT DETAIL PD-01C *3
 - USE PROJECT DETAIL PD-02A *4
 - USE PROJECT DETAIL PD-02B *5
 - USE PROJECT DETAIL PD-02C *6
 - USE PROJECT DETAIL PD-03A *7
 - USE PROJECT DETAIL PD-03B *8
 - USE PROJECT DETAIL PD-04A *9
 - USE PROJECT DETAIL PD-04B *10
 - USE PROJECT DETAIL PD-05A *11
 - USE PROJECT DETAIL PD-05B *12
 - USE PROJECT DETAIL PD-06A *13
 - USE PROJECT DETAIL PD-06B *14
 - USE PEDESTRIAN RAMP DETAILS *15
- (SEE SHEETS 10)
- * = ADA RAMPS



USER NAME	= yaseen.qureshi	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/15/2025	DATE	-	REVISED	-

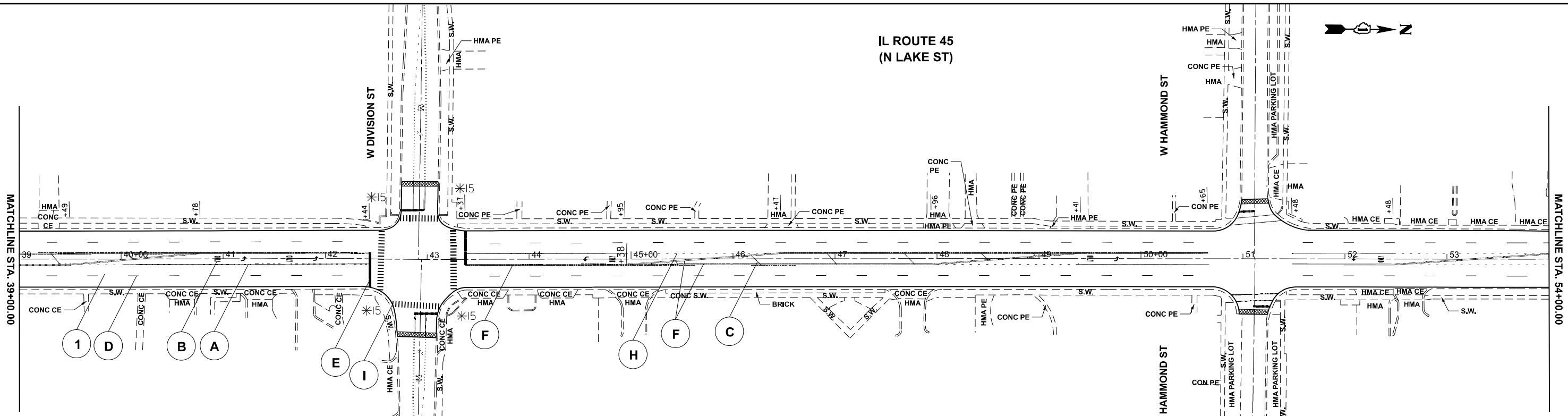
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 45 (LAKE ST.) FROM ILL 76 (MAPLE AVE.) TO WOODLAWN DR.
ROADWAY & PAVEMENT MARKINGS PLAN

SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. 10+00.00 TO STA. 39+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2025-2069-RS	LAKE	50	9
CONTRACT NO. 80B50				
ILLINOIS FED. AID PROJECT				

MODEL: EXCL - US 45 Lake Street-2 (Sheet)
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- 1 PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
PROP. POLY. HMA BINDER COURSE, IL-4.75, N50, 3/4"
PROP. POLY. HMA SURFACE COURSE, IL-9.5, MIX 'E', N70, 1 3/4"

A PROP. THERMOPLASTIC PAVEMENT TURN LANE MARKING-LINE 6", WHITE (TYP.)

B PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)

C PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 75' C-C, YELLOW (TYP.)

D PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE (TYP.)

E PROP. THERMOPLASTIC PAVEMENT STOP MARKING-LINE 24", WHITE (TYP.)

F PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)

G PROP. THERMOPLASTIC PAVEMENT PEDESTRIAN CROSSWALK MARKING-LINE 6", WHITE (TYP.)

H PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE (TYP.)

I PROP. THERMOPLASTIC PAVEMENT SCHOOL CROSSWALK MARKING-LINE 12", WHITE (TYP.)

J PROP. THERMOPLASTIC PAVEMENT EDGE MARKING-LINE 4", WHITE (TYP.)

K PROP. THERMOPLASTIC PAVEMENT EDGE MARKING-LINE 4", YELLOW (TYP.)

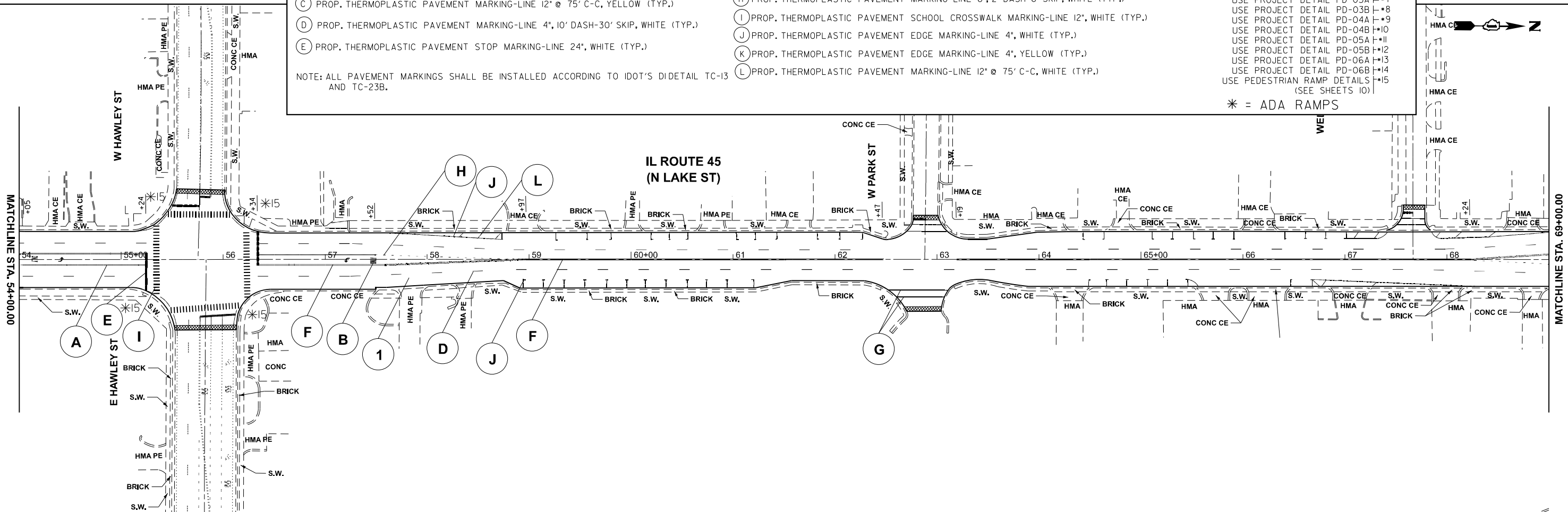
L PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 75' C-C, WHITE (TYP.)

NOTE: ALL PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT'S DETAIL TC-13 AND TC-23B.
- PROPOSED CURB RAMP IMPROVEMENT

USE PROJECT DETAIL PD-01A	1
USE PROJECT DETAIL PD-01B	2
USE PROJECT DETAIL PD-01C	3
USE PROJECT DETAIL PD-02A	4
USE PROJECT DETAIL PD-02B	5
USE PROJECT DETAIL PD-02C	6
USE PROJECT DETAIL PD-03A	7
USE PROJECT DETAIL PD-03B	8
USE PROJECT DETAIL PD-04A	9
USE PROJECT DETAIL PD-04B	10
USE PROJECT DETAIL PD-05A	11
USE PROJECT DETAIL PD-05B	12
USE PROJECT DETAIL PD-06A	13
USE PROJECT DETAIL PD-06B	14
USE PEDESTRIAN RAMP DETAILS	15

(SEE SHEETS 10)

* = ADA RAMPS



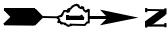
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -
PLOT DATE = 9/26/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 45 (LAKE ST.) FROM ILL 76 (MAPLE AVE.) TO WOODLAWN DR.
ROADWAY & PAVEMENT MARKINGS PLAN

SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 39+00.00 TO STA. 69+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2025-2069-RS	LAKE	50	10
CONTRACT NO. 80B50				
ILLINOIS FED. AID PROJECT				



1

PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
PROP. POLY. HMA BINDER COURSE, IL-4.75, N50, 3/4"
PROP. POLY. HMA SURFACE COURSE, IL-9.5, MIX "E", N70, 1 3/4"

A

PROP. THERMOPLASTIC PLASTIC PAVEMENT TURN LANE MARKING-LINE 6", WHITE (TYP.)

B

PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)

C

PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" @ 75' C-C, YELLOW (TYP.)

D

PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE (TYP.)

E

PROP. THERMOPLASTIC PAVEMENT STOP MARKING-LINE 24", WHITE (TYP.)

F

PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)

G

PROP. THERMOPLASTIC PAVEMENT PEDESTRIAN CROSSWALK MARKING-LINE 6", WHITE (TYP.)

H

PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE (TYP.)

I

PROP. THERMOPLASTIC PAVEMENT SCHOOL CROSSWALK MARKING-LINE 12", WHITE (TYP.)

J

PROP. THERMOPLASTIC PAVEMENT EDGE MARKING-LINE 4", WHITE (TYP.)

K

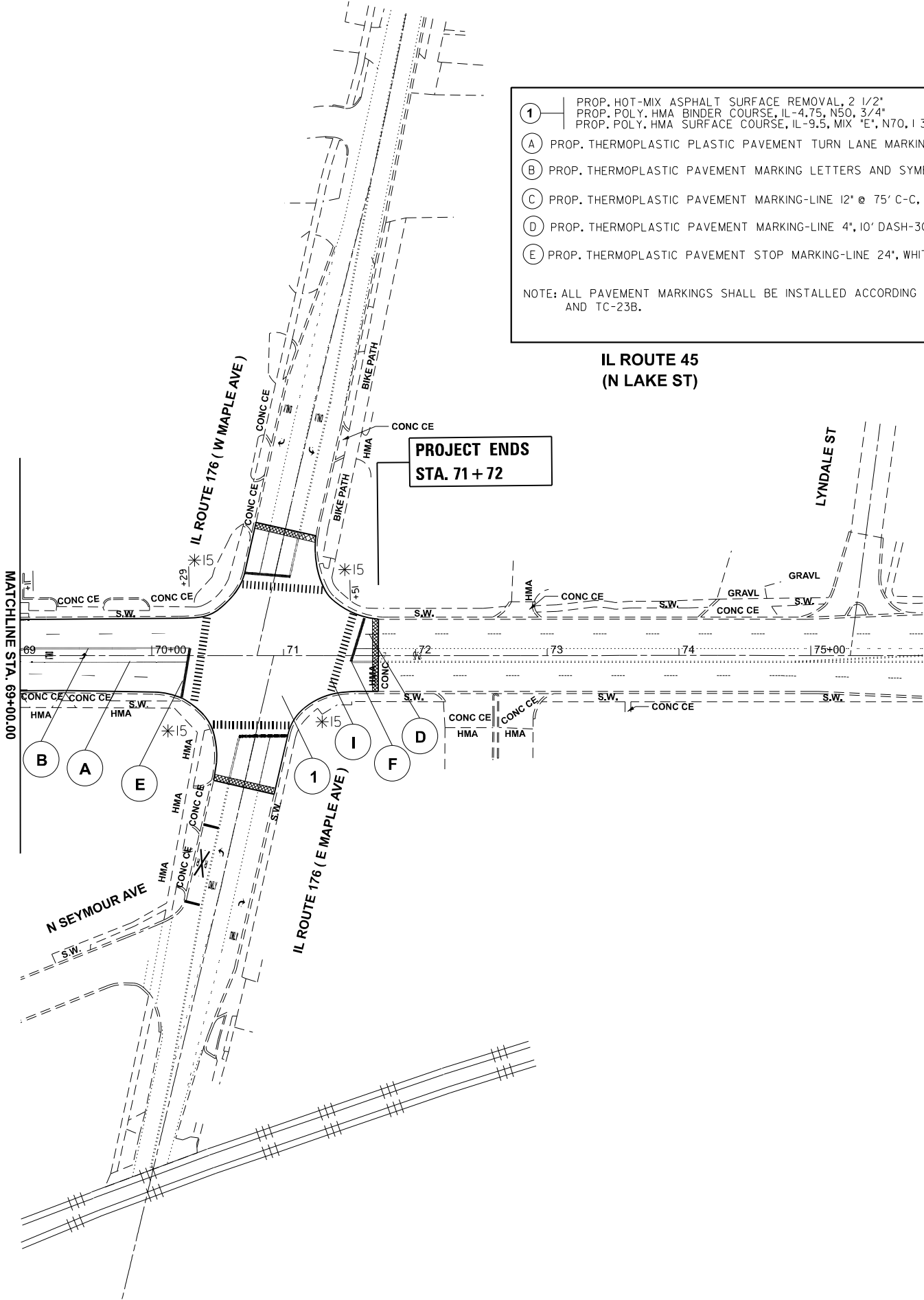
PROP. THERMOPLASTIC PAVEMENT EDGE MARKING-LINE 4", YELLOW (TYP.)

NOTE: ALL PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT'S DIDETAIL TC-13 AND TC-23B.

PROPOSED CURB RAMP IMPROVEMENT

USE PROJECT DETAIL PD-01A | *1
USE PROJECT DETAIL PD-01B | *2
USE PROJECT DETAIL PD-01C | *3
USE PROJECT DETAIL PD-02A | *4
USE PROJECT DETAIL PD-02B | *5
USE PROJECT DETAIL PD-02C | *6
USE PROJECT DETAIL PD-03A | *7
USE PROJECT DETAIL PD-03B | *8
USE PROJECT DETAIL PD-04A | *9
USE PROJECT DETAIL PD-04B | *10
USE PROJECT DETAIL PD-05A | *11
USE PROJECT DETAIL PD-05B | *12
USE PROJECT DETAIL PD-06A | *13
USE PROJECT DETAIL PD-06B | *14
USE PEDESTRIAN RAMP DETAILS | *15
(SEE SHEETS 10) |

* = ADA RAMPS



MODEL: EXCL - Plan 1 (Sheet)
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	USER NAME = yaseen.qureshi	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
	PLOT DATE = 8/15/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 45 (LAKE ST.) FROM ILL 76 (MAPLE AVE.) TO WOODLAWN DR.
ROADWAY & PAVEMENT MARKINGS PLAN

SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. 69+00.00 TO STA. 75+50.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2025-2069-RS	LAKE	50	11
CONTRACT NO. 80B50				
ILLINOIS		FED. AID PROJECT		

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USER NAME = jpham	DESIGNED - JP	REVISED -
	DRAWN - SKP	REVISED -
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PLOT DATE = 8/5/2025	DATE - 8/5/2025	REVISED -

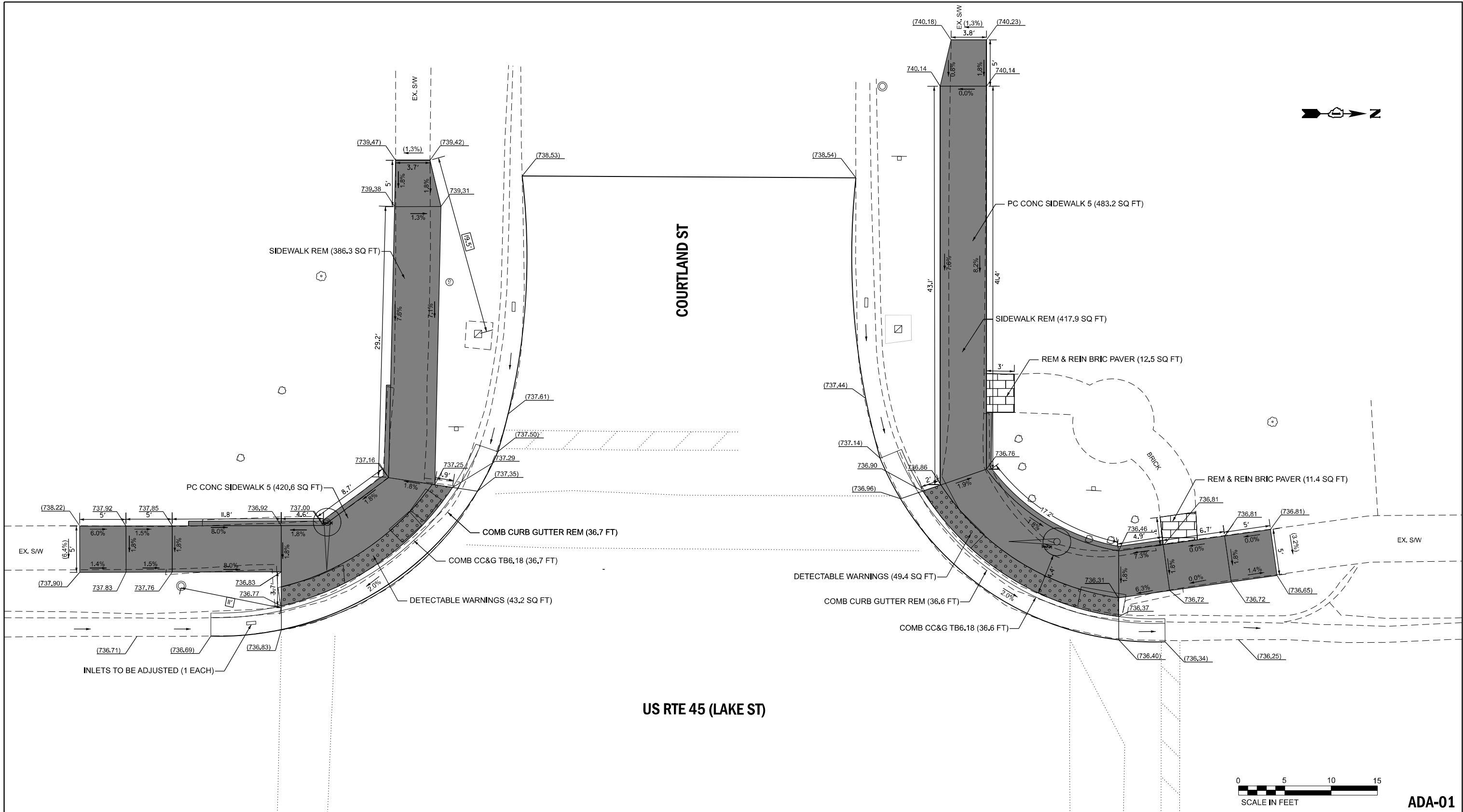
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN SCHEDULE			
SCALE:	SHEET NO. OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2025-2069-RS	LAKE	50	12
CONTRACT NO. 80B50				
FED. ROAD DIST. NO. I	ILLINOIS	FED. AID PROJECT		

#FILE#

SCHEDULE OF QUANTITIES													
LOCATION			42001300	42400200	42400800	44000155	44000600	60266600	60260100	89502376	X0327611	44000500	60604400
SHEET NO.	IL RTE 45 (LAKE ST) AT	CORNER	PROTECTIVE COAT	PC CONC SIDEWALK 5	DETECTABLE WARNINGS	HMA SURF REM 1 1/2	SIDEWALK REM	VALVE BOX ADJ	INLETS TO BE ADJUSTED	REBUILD EXISTING HANDHOLE	REM & REIN BRIC PAVER	COMBINATION CURB AND GUTTER REMOVAL	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
			SQ YD	SQ FT	SQ FT	SQ YD	SQ FT	EACH	EACH	EACH	SQ FT	FOOT	FOOT
ADA-01	COURTLAND ST	SW	46.7	420.6	43.2		386.3		1.0			36.7	36.7
ADA-02	COURTLAND ST	NW	53.7	483.2	49.4		417.9				23.8	36.6	36.6
ADA-02	COURTLAND ST	SE	27.9	250.8	19.0		250.8					41.9	41.9
ADA-02	COURTLAND ST	NE	24.8	223.3	20.6		252.0					47.7	47.7
ADA-03	DIVSION ST	SW	28.2	253.8	20.0		257.6					57.1	57.1
ADA-03	DIVSION ST	NW	27.3	245.6	20.0		258.9					41.6	41.6
ADA-04	DIVSION ST	SE	38.7	348.4	33.2		348.4					70.0	70.0
ADA-04	DIVSION ST	NE	31.0	278.7	18.8		278.7	1.0	1.0	1.0		64.6	64.6
ADA-05	HAWLEY ST	SW	25.7	231.1	22.5		231.1	1.0				43.7	43.7
ADA-05	HAWLEY ST	NW	42.8	384.9	20.0		384.9				26.6	58.0	58.0
ADA-06	HAWLEY ST	SE	67.6	608.7	43.7		608.7				70.0	59.6	59.6
ADA-06	HAWLEY ST	NE	18.4	165.6	24.1		165.6		3.0		22.2	36.5	36.5
ADA-07	IL RTE 176 (MAPLE AVE)	SW	43.8	394.6	19.7		394.6	1.0		1.0		60.7	60.7
ADA-07	IL RTE 176 (MAPLE AVE)	NW	43.6	392.1	21.7		401.9					60.8	60.8
ADA-08	IL RTE 176 (MAPLE AVE)	SE	45.4	408.9	19.5	11.0	408.9					36.6	36.6
ADA-08	IL RTE 176 (MAPLE AVE)	NE	35.0	314.9	18.9	8.0	314.9	1.0				54.0	54.0
TOTAL			600.6	5405.1	414.3	19.0	5361.1	4.0	5.0	2.0	142.7	806.1	806.1



REFERENCE BENCHMARK ELEV:
BENCHMARK :
LOCATION :

LEGEND

xx.xx'

EXISTING LENGTH

PROPOSED SIDE CURB

EXISTING ELEVATION/SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV:
BENCHMARK :
LOCATION :

USER NAME = jpham
DESIGNED - JP
DRAWN - SKP
CHECKED - TN
DATE - 8/5/2025

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
US RTE 45 AT COURTLAND STREET

F.A.P. RTE. 344
SECTION 2025-2069-RS
COUNTY LAKE
TOTAL SHEETS 50
SHEET NO. 13
CONTRACT NO. 80B50

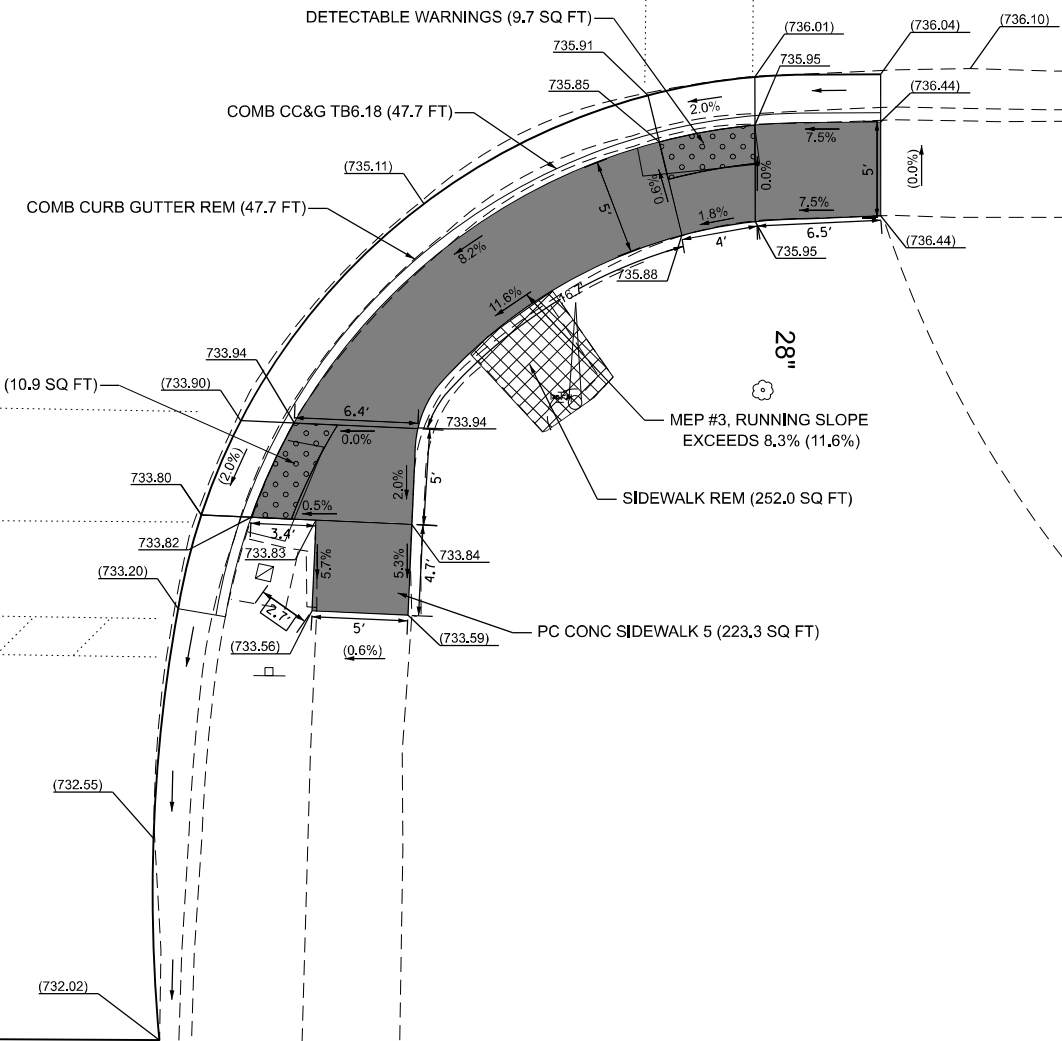
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FED. AID PROJECT

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USER NAME = \$USERNAME\$

ADA-01

SCALE IN FEET

0 5 10 15



HMA



ADA-02

11



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

LOCATION :

LOCATION :



USER NAME	= jpham	DESIGNED	= JP	REVISED	=
		DRAWN	= SKP	REVISED	=
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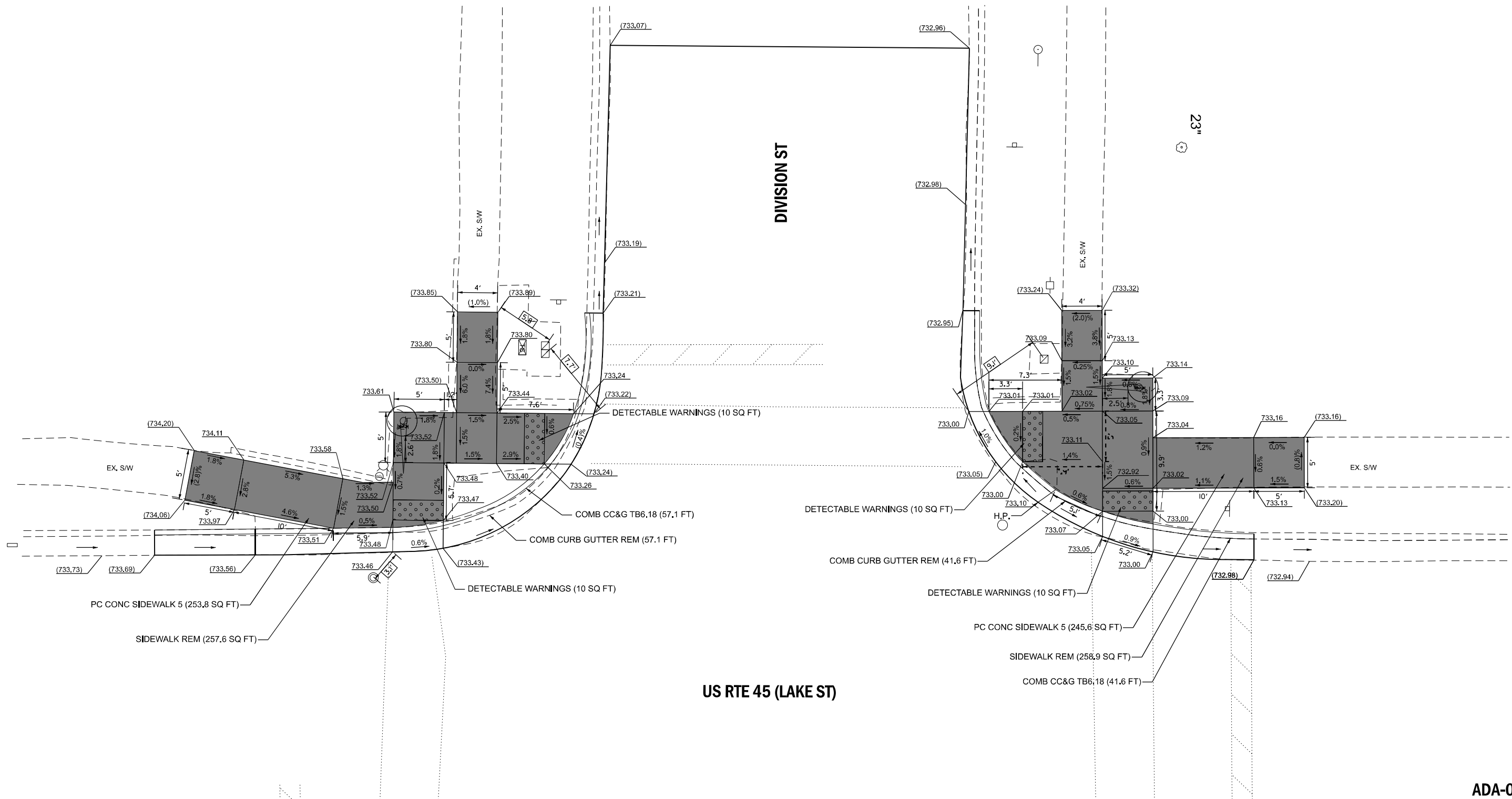
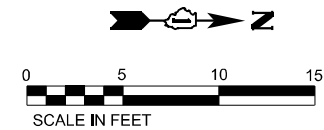
SIDEWALK DETAIL PLAN
RT 45 AT COURTLAND STREET

SCALE:	SHEET NO. OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2025-2069-RS	LAKE	50	14
		CONTRACT NO. 80B50		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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USER NAME = $USERNAMES$
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ADA-03

REFERENCE BENCHMARK ELEV:

BENCHMARK :

LOCATION :

LEGEND

xx.xx'

EXISTING LENGTH

=====

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV:

BENCHMARK :

LOCATION :

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN

SCALE: SHEET NO. OF SHEETS STA. TO STA.

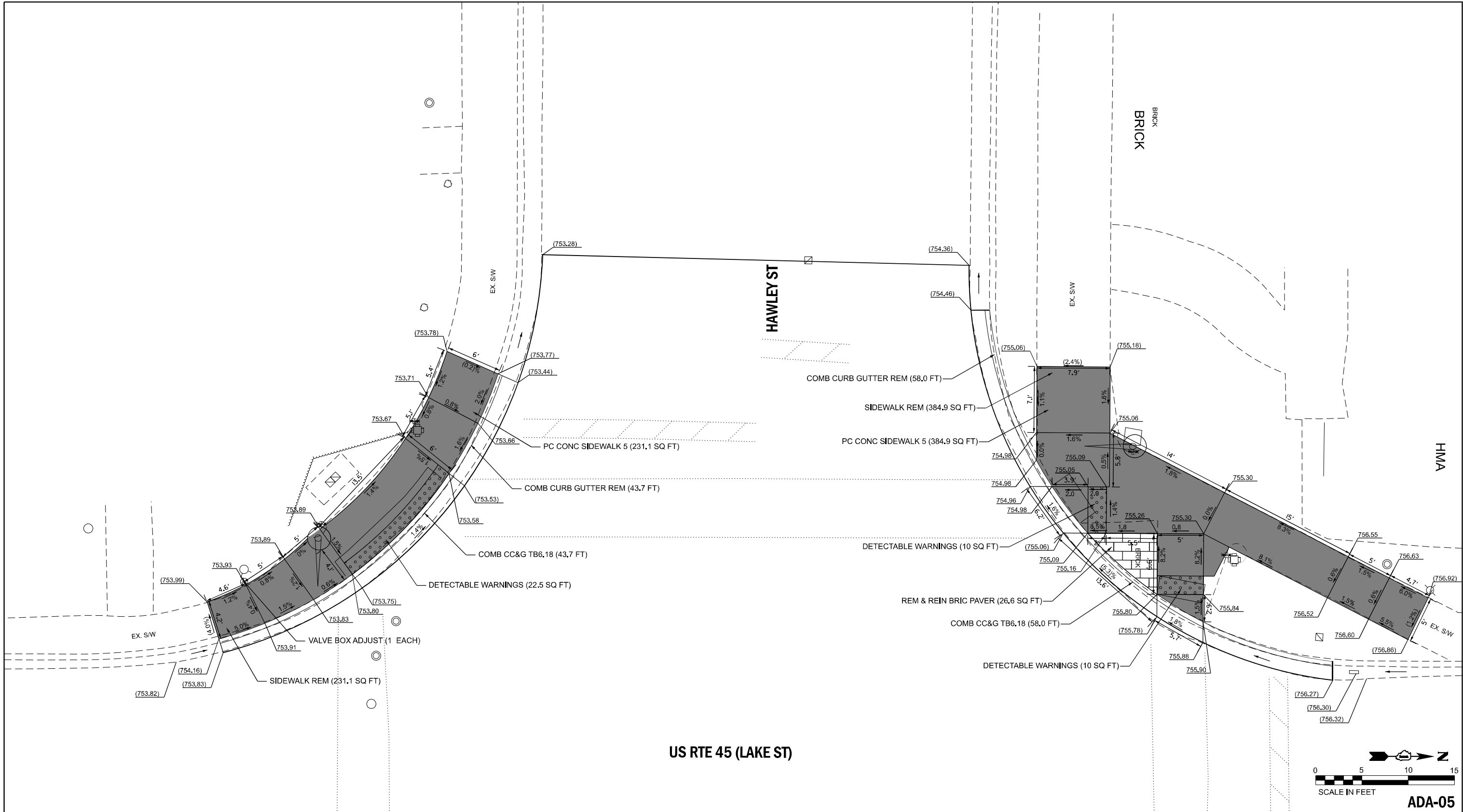
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2025-2069-RS	LAKE	50	15
CONTRACT NO. 80B50				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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	DATE - 8/5/2025	REVISED -

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USER NAME = \$USERNAME\$

\$FILE\$



REFERENCE BENCHMARK ELEV:
BENCHMARK :
LOCATION :

LEGEND

xx.xx'

xx.xx'

()

EXISTING LENGTH

PROPOSED SIDE CURB

EXISTING ELEVATION/SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

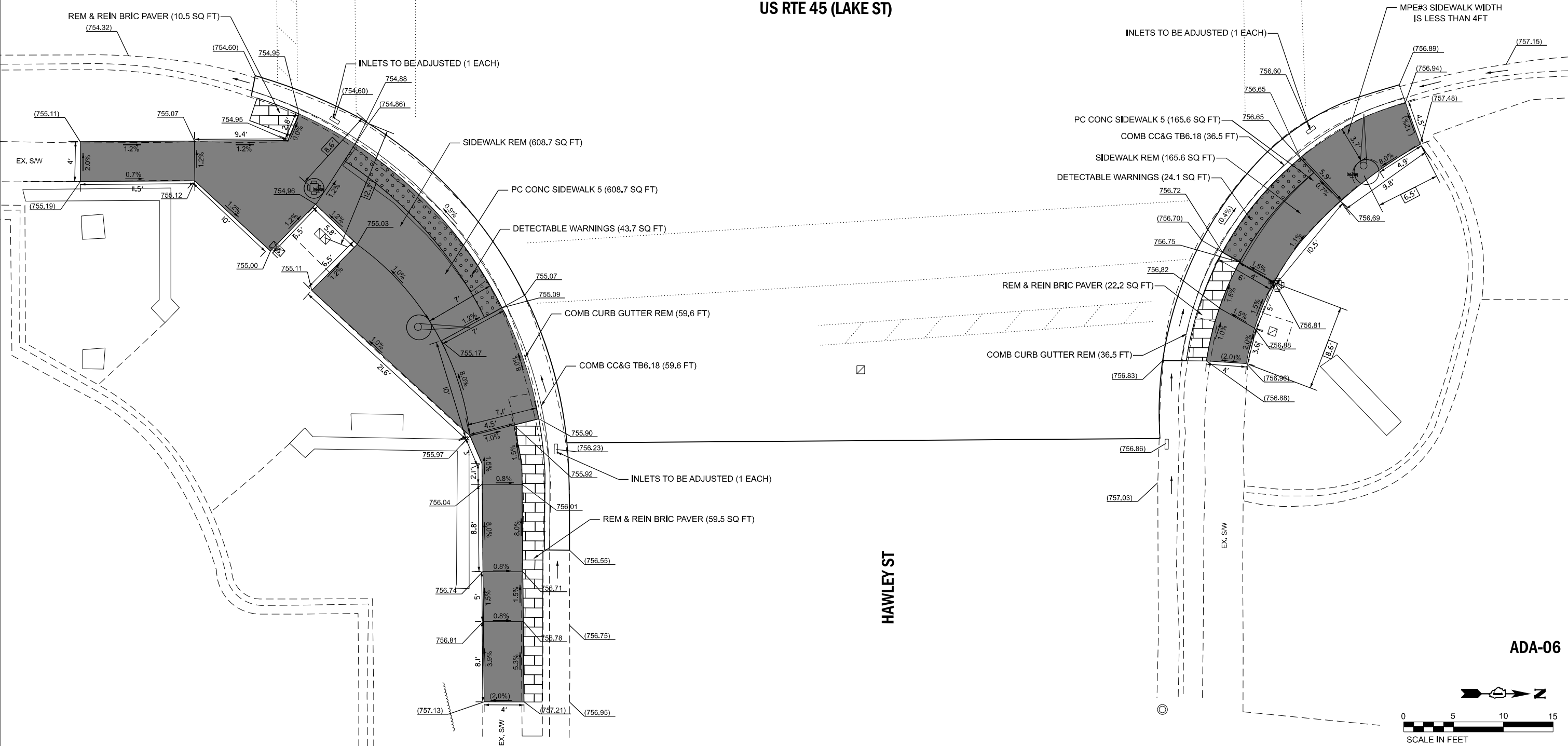
SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV:
BENCHMARK :
LOCATION :

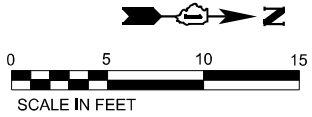
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	PLOT SCALE = \$SCALE\$			DRAWN - SKP			REVISED -										CONTRACT NO. 80B50															
	PLOT DATE = 8/5/2025			CHECKED - TN			REVISED -																									
	DATE - 8/5/2025			DATE - 8/5/2025			REVISED -																									
											SCALE:		SHEET NO. OF SHEETS		STA. TO STA.		FED. ROAD DIST. NO. I		ILLINOIS		FED. AID PROJECT											

\$FILE\$

US RTE 45 (LAKE ST)



ADA-06



REFERENCE BENCHMARK ELEV:

BENCHMARK :

LOCATION :

LEGEND

xx.xx'

EXISTING LENGTH

=====

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV:

BENCHMARK :

LOCATION :

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN

SCALE: SHEET NO. OF SHEETS STA. TO STA.

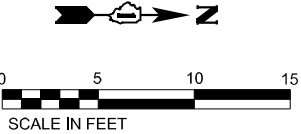
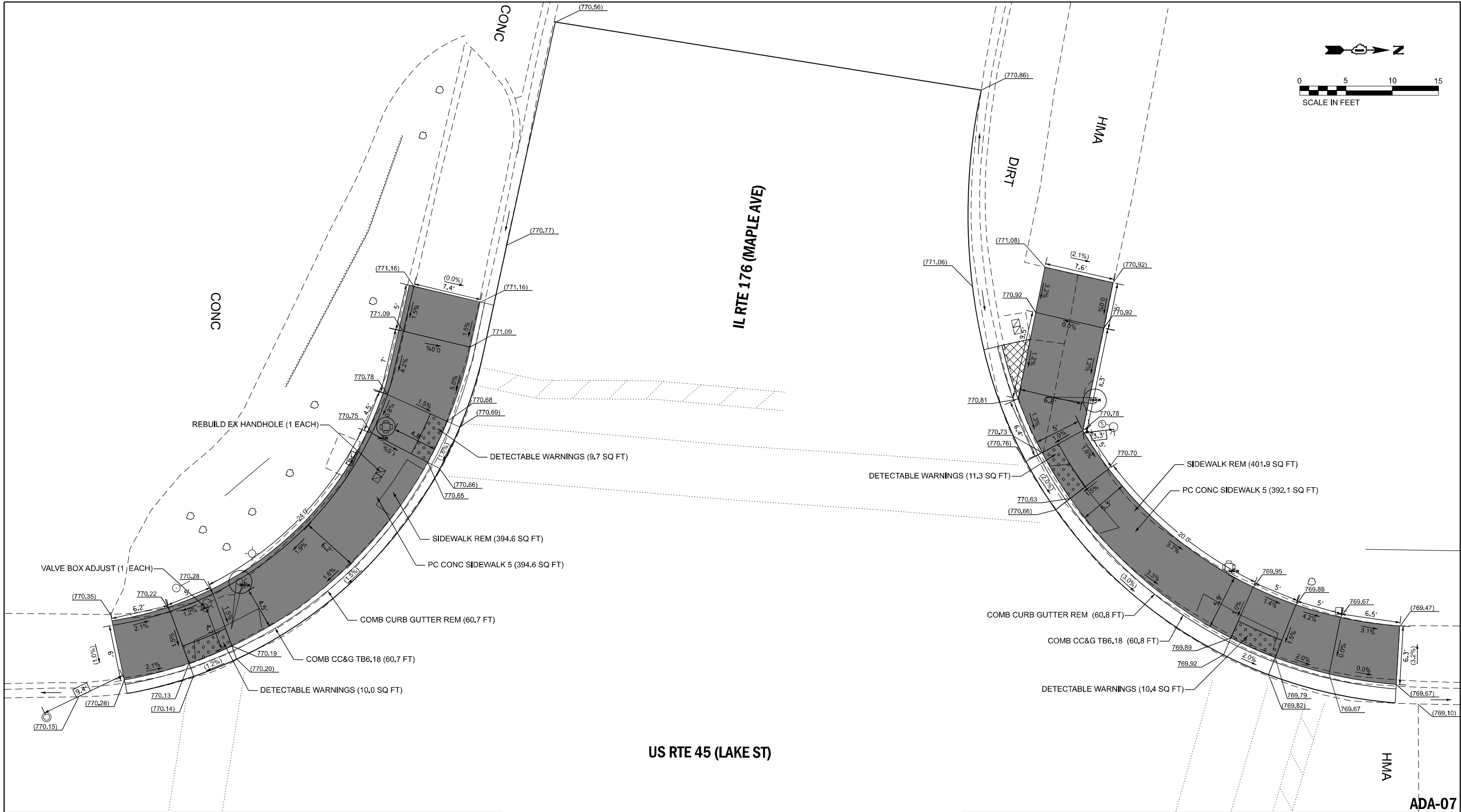
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2025-2069-RS	LAKE	50	18
CONTRACT NO. 80B50				
FED. ROAD DIST. NO. I	ILLINOIS	FED. AID PROJECT		

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USER NAME = \$USERNAME\$



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		DRAWN	- SKP	REVISED	-
PLOT SCALE	= \$SCALE\$	CHECKED	- TN	REVISED	-
PLOT DATE	= 8/5/2025	DATE	- 8/5/2025	REVISED	-

\$FILE\$



US RTE 45 (LAKE ST)

ADA-07

REFERENCE BENCHMARK ELEV:

BENCHMARK :

LOCATION :

LEGEND

xx.xx'

EXISTING LENGTH

=====

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV:

BENCHMARK :

LOCATION :

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
IL RTE 45 AT MAPLE AVE

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2025-2069-RS	LAKE	50	19
CONTRACT NO. 80B50				
FED. ROAD DIST. NO. I ILLINOIS FED. AID PROJECT				

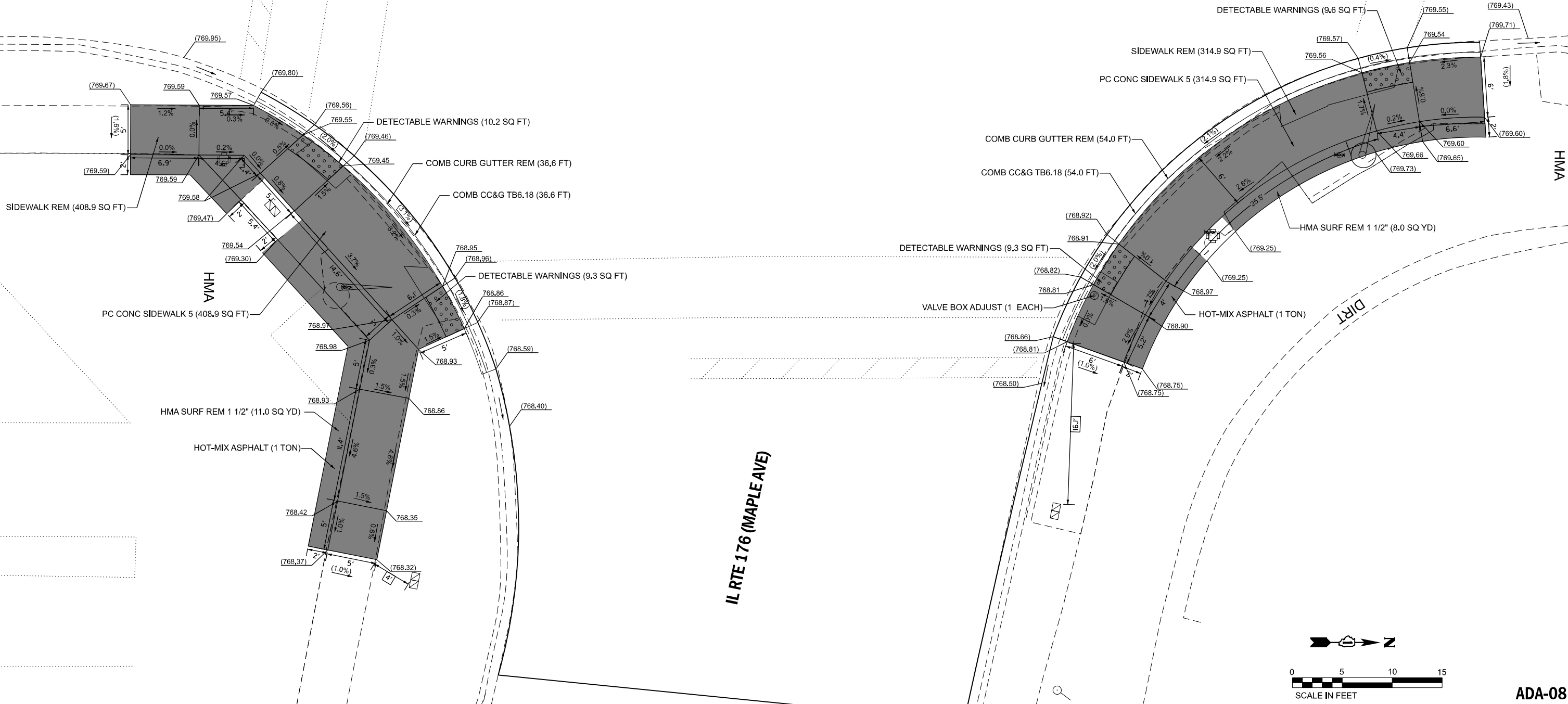
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PLOT DATE	= 8/5/2025	CHECKED	- TN	REVISED	-
		DATE	- 8/5/2025	REVISED	-

\$FILE\$

US RTE 45 (LAKE ST)



ADA-08

REFERENCE BENCHMARK ELEV:

BENCHMARK :

LOCATION :

LEGEND

xx.xx'

EXISTING LENGTH

=====

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV:

BENCHMARK :

LOCATION :

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
IL RTE 45 AT MAPLE AVE

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2025-2069-RS	LAKE	50	20
CONTRACT NO. 80B50				
FED. ROAD DIST. NO. I	ILLINOIS	FED. AID PROJECT		

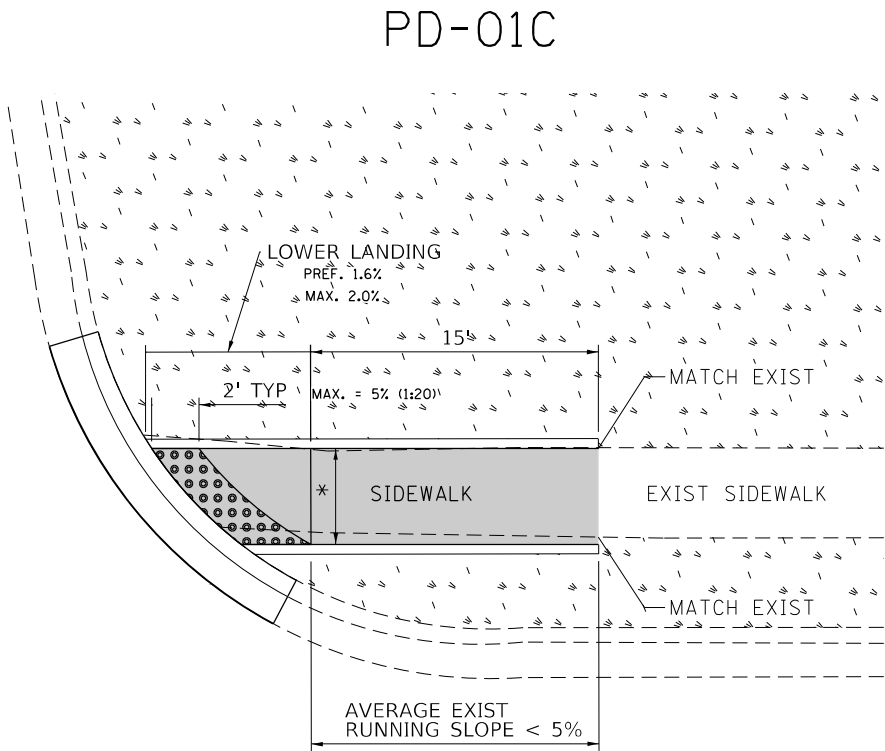
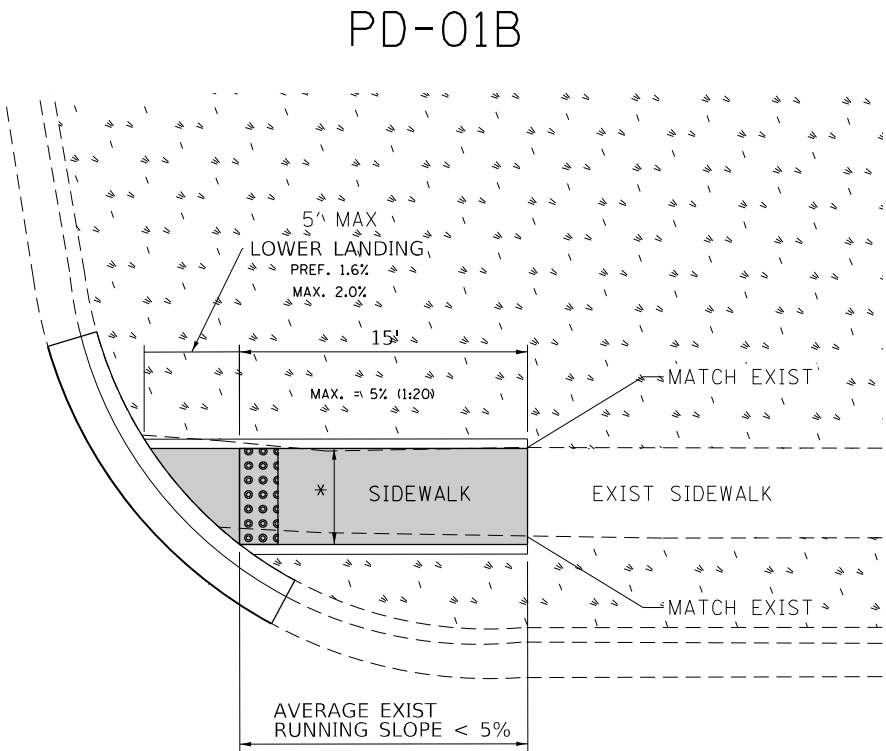
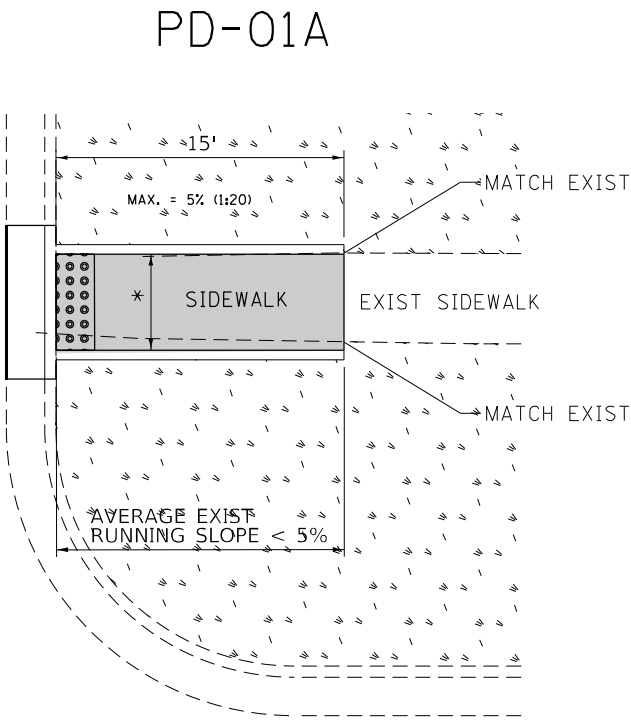
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PLOT SCALE = \$SCALE\$	DRAWN - SKP	REVISED -
PLOT DATE = 8/5/2025	CHECKED - TN	REVISED -
	DATE - 8/5/2025	REVISED -

\$FILE\$

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR LESS RUN. SLOPE



- DESIGNER NOTES:
- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50).
 - 2) SIDEWALK REALIGNMENT WILL REQUIRE DETAILED DESIGN.
 - 3) AREAS SURROUNDED BY PCC/ASPHALT, BUILDINGS, OR ARE NEAR TO DRIVEWAYS, REALIGNED SIDEWALK, UTILITY AND SIGNAL POLES, OR WHEN PRIVATE SIDEWALK TIES IN, WILL REQUIRE DETAILED SURVEY AND DESIGN.
 - 4) ALL BRICK CORNERS WILL REQUIRE SUPERVISOR APPROVAL BEFORE USING PROJECT DETAILS

LEGEND

EXIST. GRASS

PROPOSED SIDEWALK

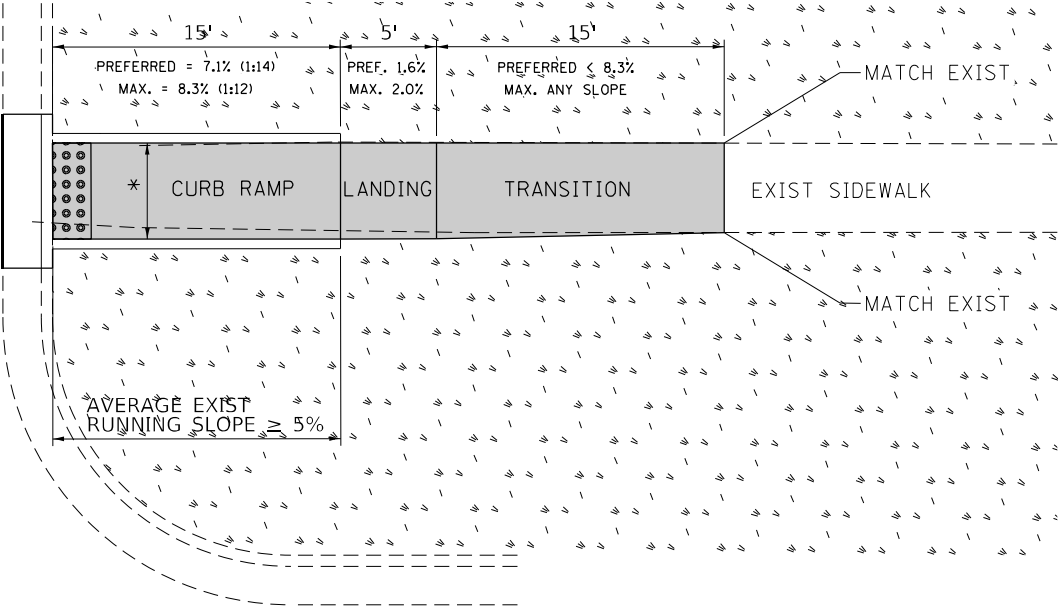
PROPOSED SIDE CURB

DETECTABLE WARNINGS

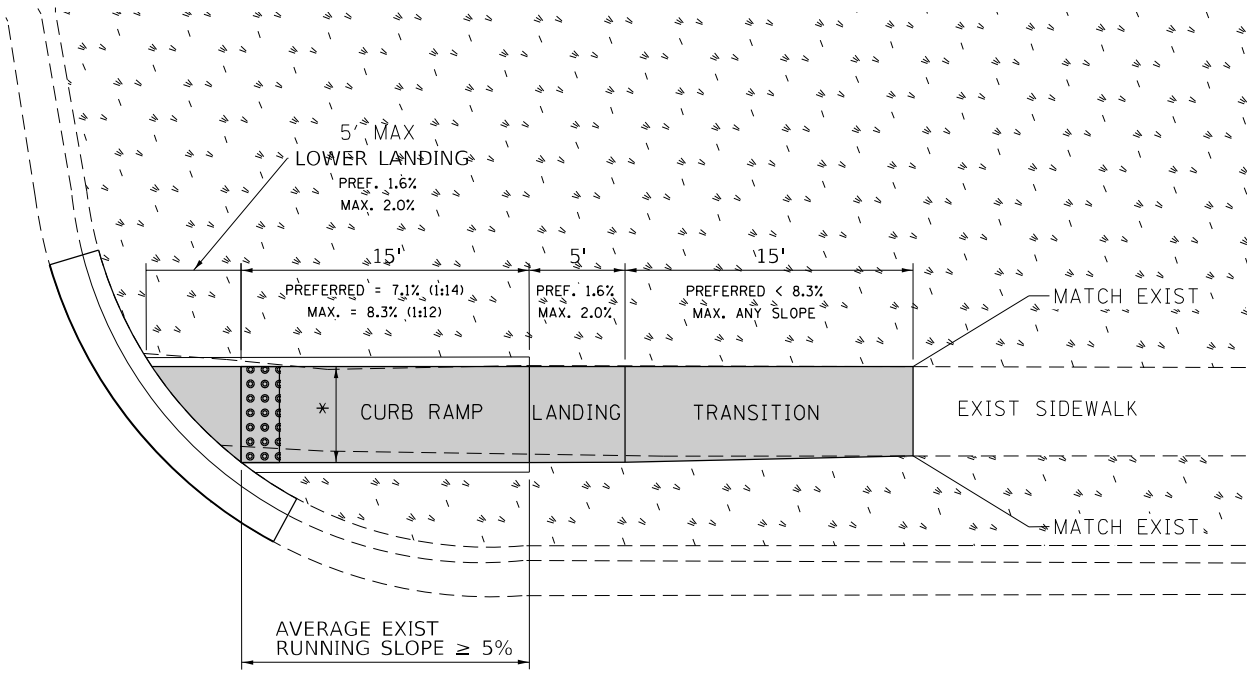
- CONSTRUCTION NOTES:
- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK
- * MATCH EXISTING SIDEWALK WIDTH

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR GREATER RUN. SLOPE

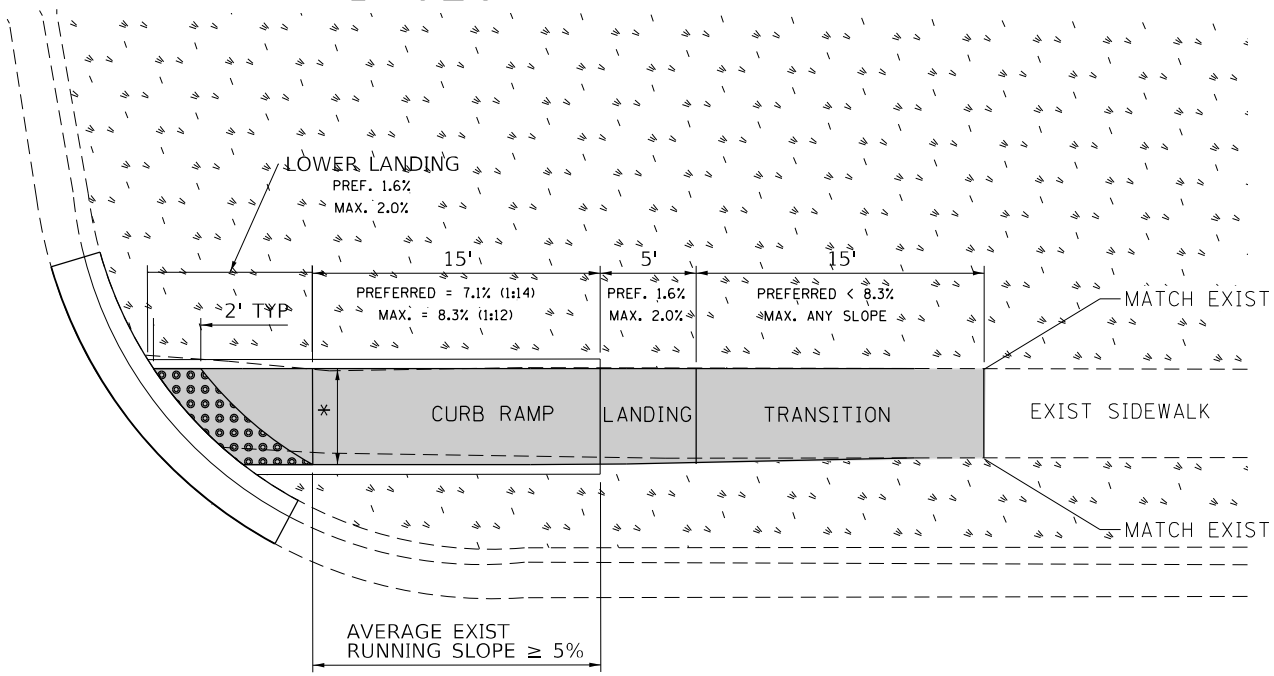
PD-02A



PD-02B



PD-02C



DESIGNER NOTES:

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50).
- 2) SIDEWALK REALIGNMENT WILL REQUIRE DETAILED DESIGN.
- 3) AREAS SURROUNDED BY PCC/ASPHALT, BUILDINGS, OR ARE NEAR TO DRIVEWAYS, REALIGNED SIDEWALK, UTILITY AND SIGNAL POLES, OR WHEN PRIVATE SIDEWALK TIES IN, WILL REQUIRE DETAILED SURVEY AND DESIGN.
- 4) ALL BRICK CORNERS WILL REQUIRE SUPERVISOR APPROVAL BEFORE USING PROJECT DETAILS

LEGEND

PROPOSED SIDE CURB



EXIST. GRASS



PROPOSED SIDEWALK



DETECTABLE WARNINGS

CONSTRUCTION NOTES:

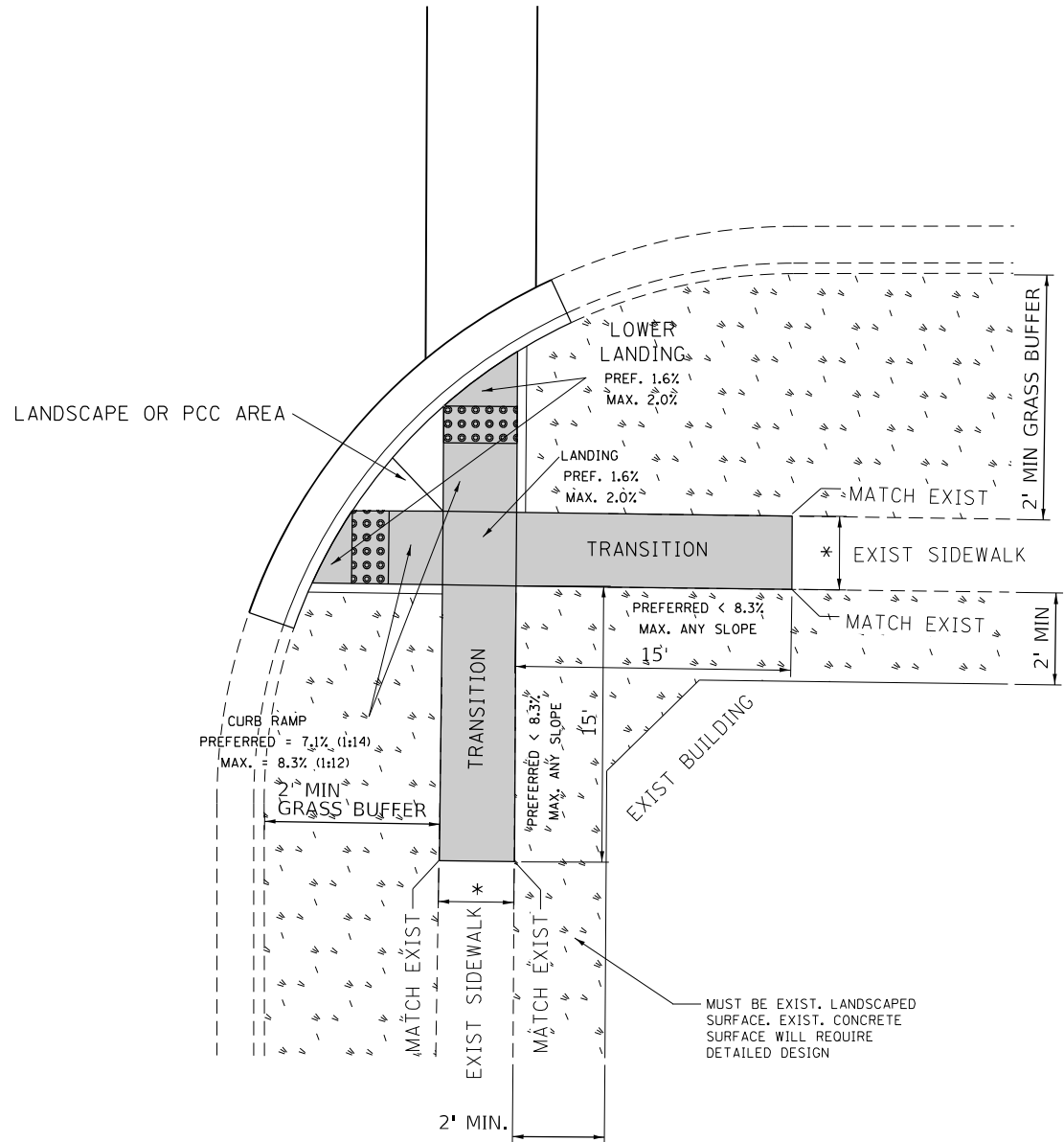
- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

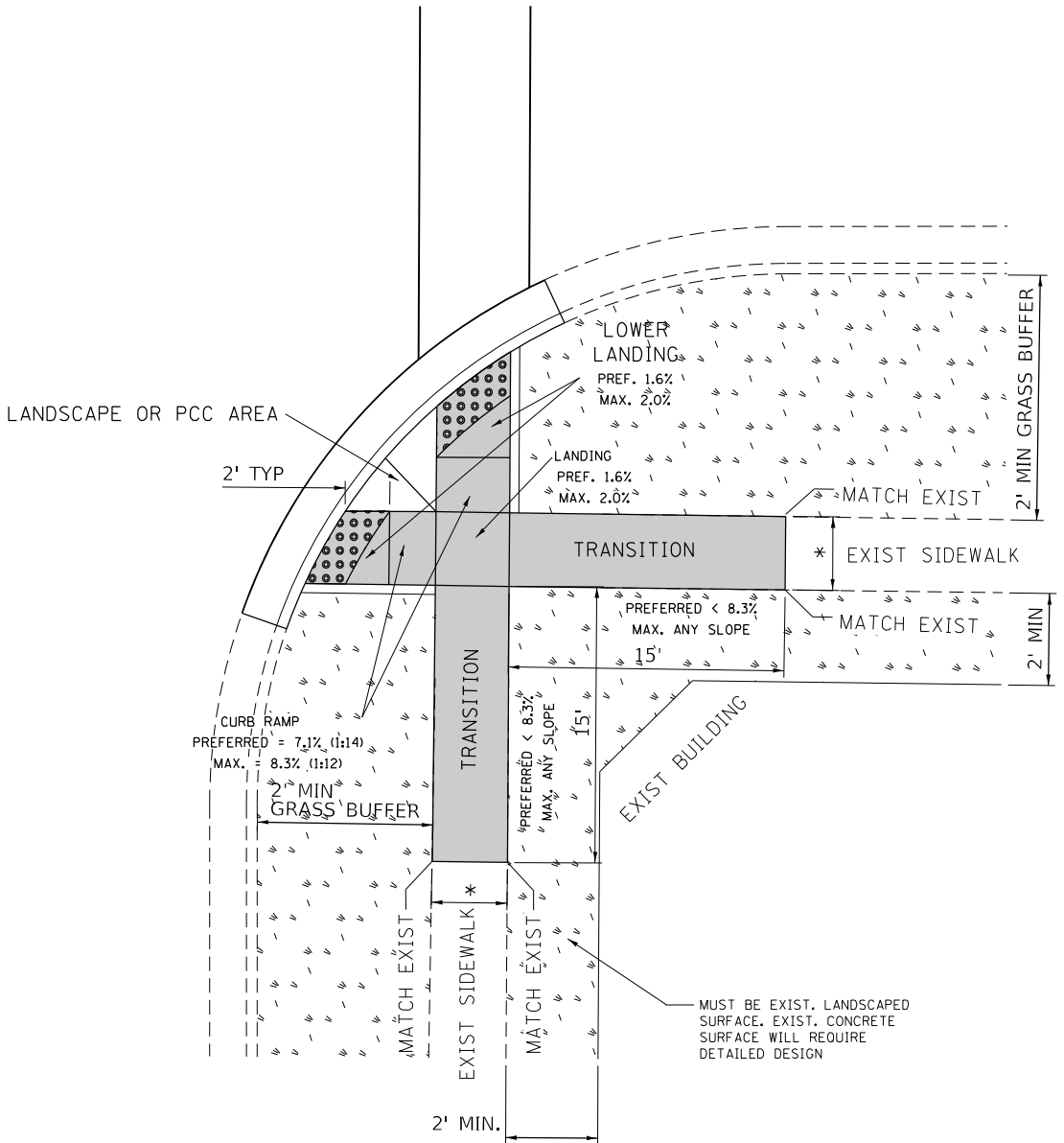
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S:\WP\PLANPREP\SQUAD_1\Des_RL\Typical ADA details\Typical-ADA-shr-plan.dgn		DRAWN -	RL 11/12/2019	REVISED -							344	2025-2069-RS	LAKE	50	22
Default		PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -							PD-02 CONTRACT NO. 80B50				
		PLOT DATE = 11/12/2019	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

PD-03A



PD-03B



DESIGNER NOTES:

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50).
- 2) SIDEWALK REALIGNMENT WILL REQUIRE DETAILED DESIGN.
- 3) AREAS SURROUNDED BY PCC/ASPHALT, BUILDINGS, OR ARE NEAR TO DRIVEWAYS, REALIGNED SIDEWALK, UTILITY AND SIGNAL POLES, OR WHEN PRIVATE SIDEWALK TIES IN, WILL REQUIRE DETAILED SURVEY AND DESIGN.
- 4) ALL BRICK CORNERS WILL REQUIRE SUPERVISOR APPROVAL BEFORE USING PROJECT DETAILS

LEGEND

PROPOSED SIDE CURB



EXIST. GRASS



PROPOSED SIDEWALK



DETECTABLE WARNINGS

CONSTRUCTION NOTES:

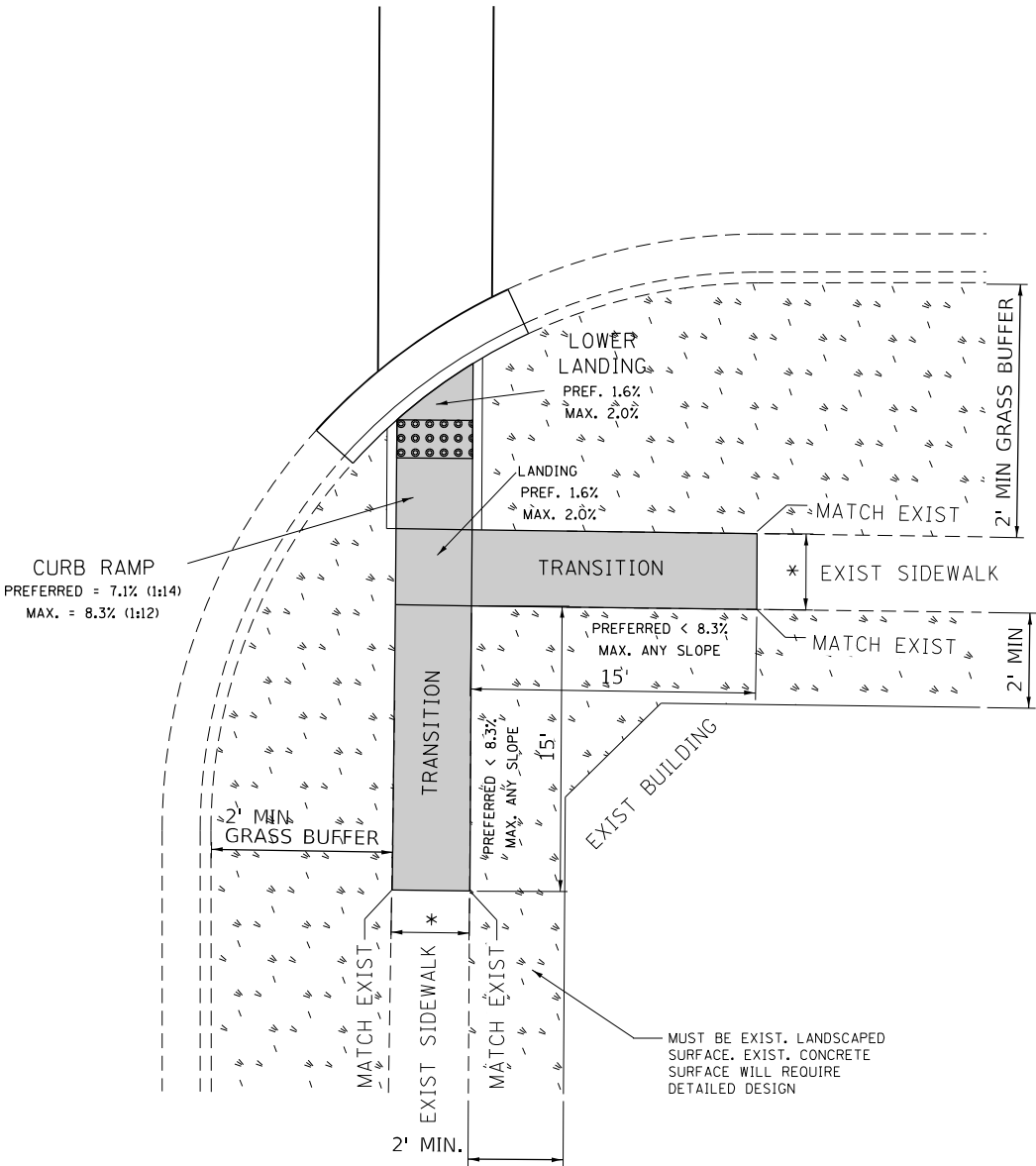
- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

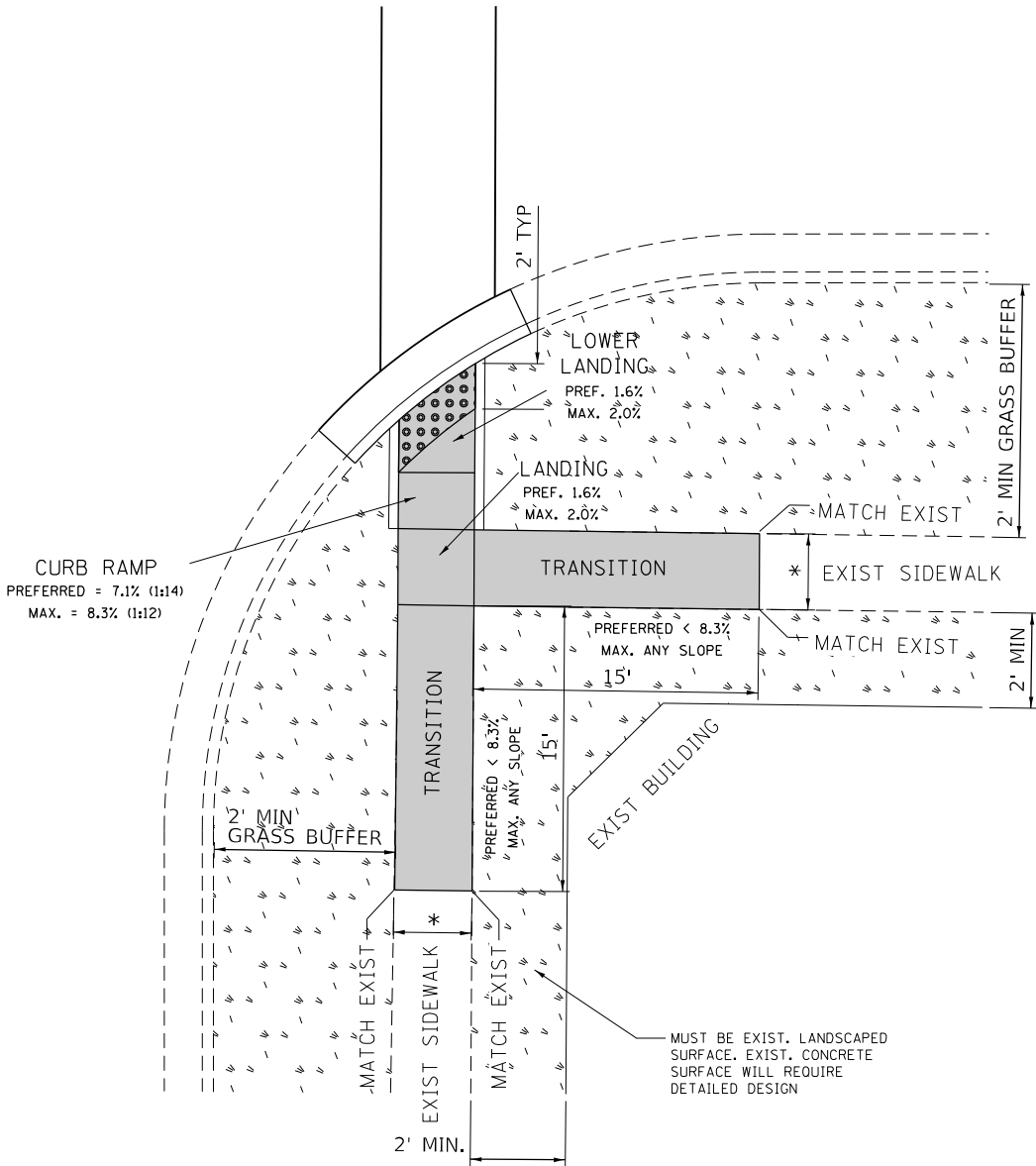
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S:\WP\PLANPREP\SQUAD\1\Des_RL\Typical ADA details\Typical-ADA-sht-plen.dgn		DRAWN -	RL 11/12/2019	REVISED -						344	2025-2069-RS	LAKE	50	23
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		PLOT DATE = 11/12/2019	DATE -	REVISED -			SCALE:	SHEET	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD-04A



PD-04B



DESIGNER NOTES:

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50).
- 2) SIDEWALK REALIGNMENT WILL REQUIRE DETAILED DESIGN.
- 3) AREAS SURROUNDED BY PCC/ASPHALT, BUILDINGS, OR ARE NEAR TO DRIVEWAYS, REALIGNED SIDEWALK, UTILITY AND SIGNAL POLES, OR WHEN PRIVATE SIDEWALK TIES IN, WILL REQUIRE DETAILED SURVEY AND DESIGN.
- 4) ALL BRICK CORNERS WILL REQUIRE SUPERVISOR APPROVAL BEFORE USING PROJECT DETAILS

LEGEND

PROPOSED SIDE CURB



EXIST. GRASS



PROPOSED SIDEWALK



DETECTABLE WARNINGS

CONSTRUCTION NOTES:

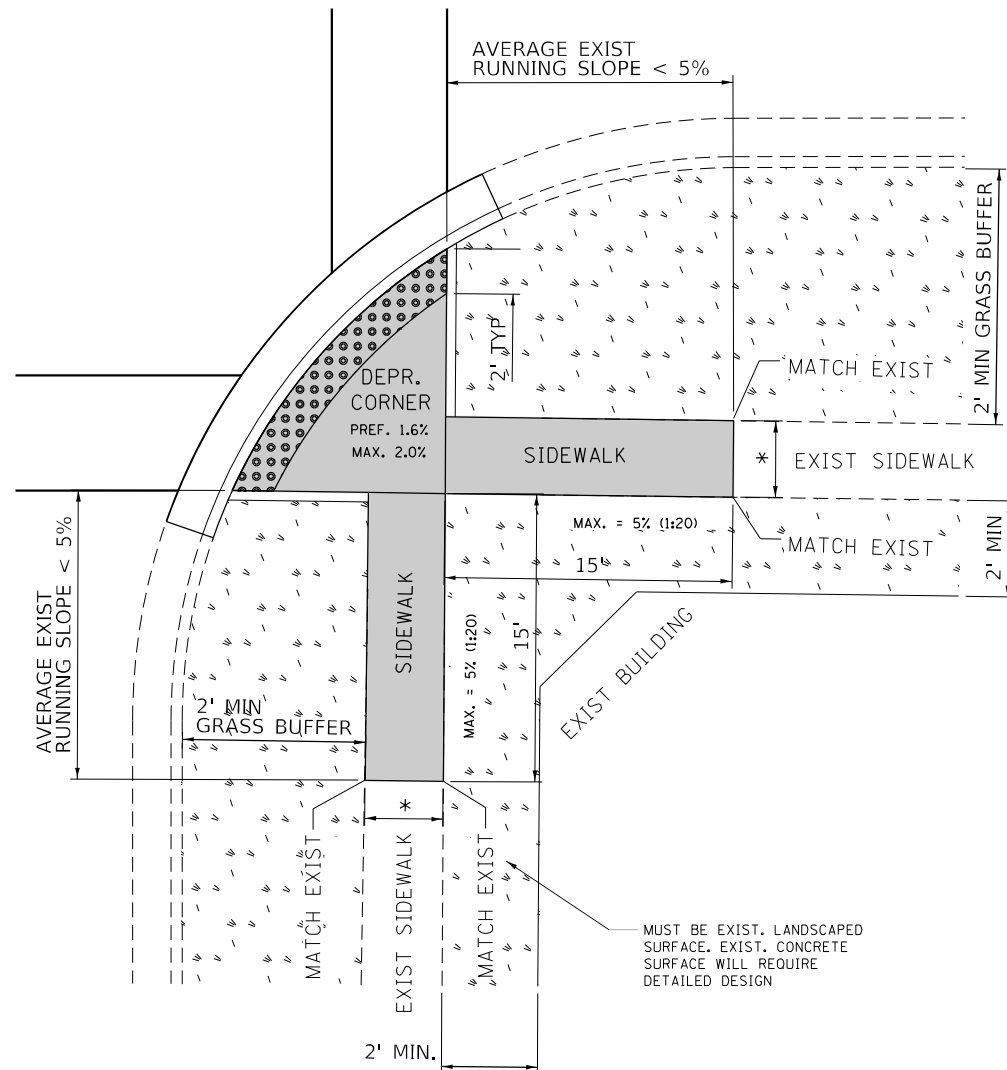
- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

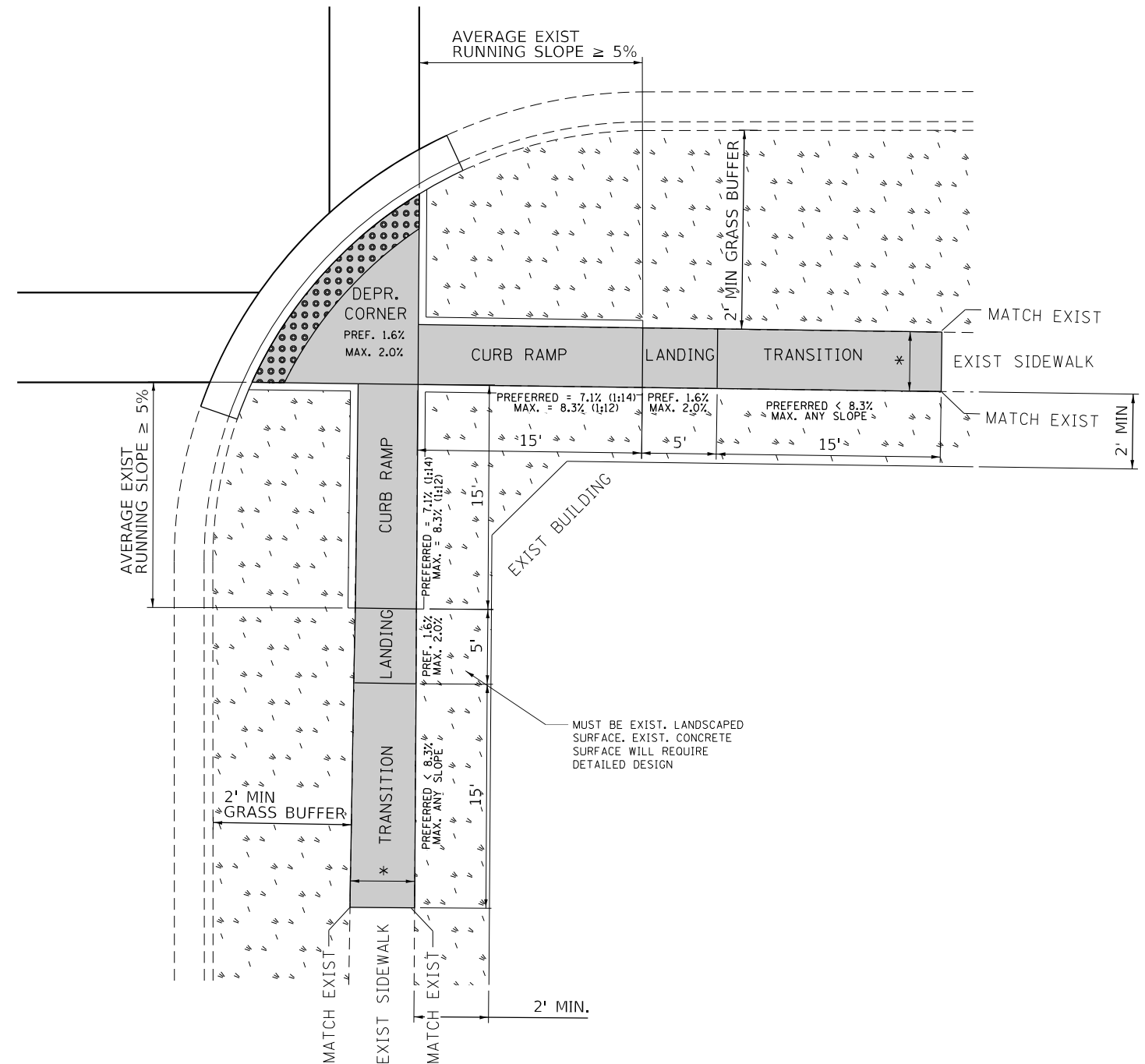
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S:\WP\PLANPREP\SQUAD\1\Des_RL\Typical ADA details\Typical-ADA-shr-plan.dgn		DRAWN -	RL 11/12/2019	REVISED -						344	2025-2069-RS	LAKE	50	24
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		PLOT DATE = 11/12/2019	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS

PD-05A



PD-05B



DESIGNER NOTES:

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50).
- 2) SIDEWALK REALIGNMENT WILL REQUIRE DETAILED DESIGN.
- 3) AREAS SURROUNDED BY PCC/ASPHALT, BUILDINGS, OR ARE NEAR TO DRIVEWAYS, REALIGNED SIDEWALK, UTILITY AND SIGNAL POLES, OR WHEN PRIVATE SIDEWALK TIES IN, WILL REQUIRE DETAILED SURVEY AND DESIGN.
- 4) ALL BRICK CORNERS WILL REQUIRE SUPERVISOR APPROVAL BEFORE USING PROJECT DETAILS

LEGEND



PROPOSED SIDE CURB



EXIST. GRASS



PROPOSED SIDEWALK



DETECTABLE WARNINGS

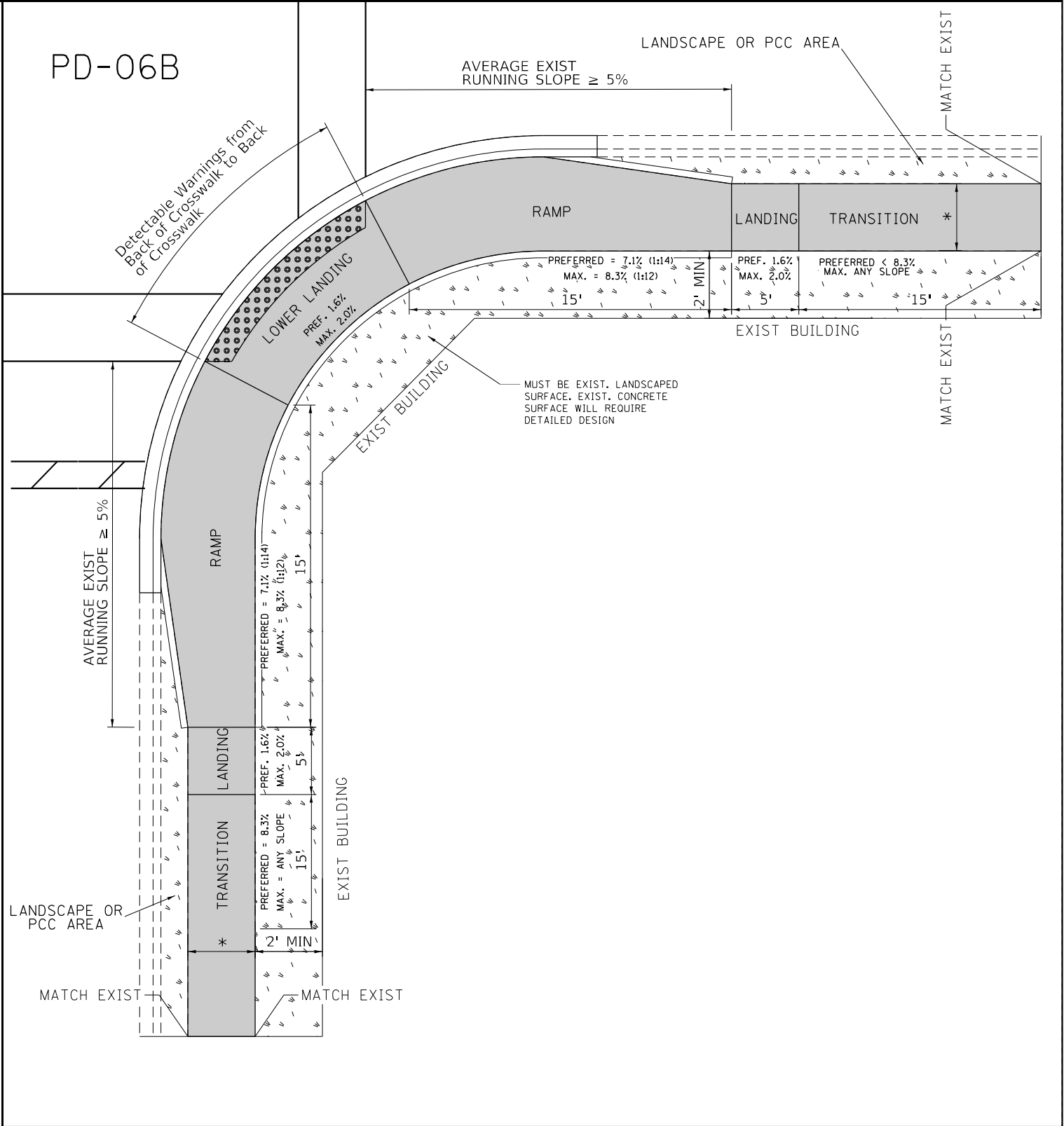
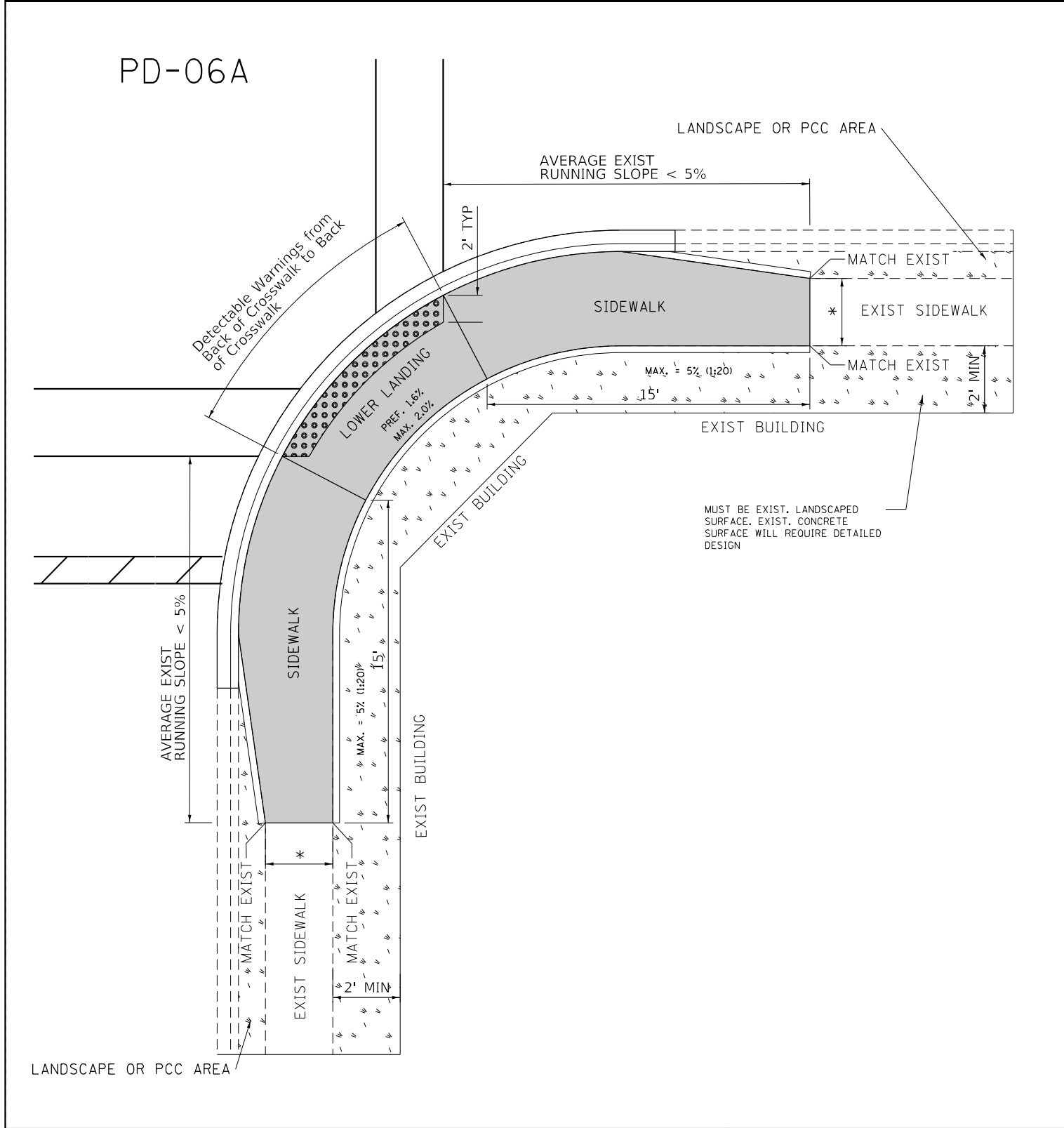
CONSTRUCTION NOTES:

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN
TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

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S:\WP\PLANPREP\SQUAD_1\Des_RL\Typical ADA details\Typical-ADA-sht\plan.dgn	DRAWN - RL 11/12/2019	REVISED -	REVISED -						344	2025-2069-RS	LAKE	50	25
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -	REVISED -		PD-05		CONTRACT NO. 80B50						
PLOT DATE = 11/12/2019	DATE = 11/12/2019	REVISED -	REVISED -		SCALE:	SHEET OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

ADA DETAIL FOR PARALLEL CURB RAMPS ADJACENT TO LANDSCAPING



DESIGNER NOTES:

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50).
- 2) SIDEWALK REALIGNMENT WILL REQUIRE DETAILED DESIGN.
- 3) AREAS SURROUNDED BY PCC/ASPHALT, BUILDINGS, OR ARE NEAR TO DRIVEWAYS, REALIGNED SIDEWALK, UTILITY AND SIGNAL POLES, OR WHEN PRIVATE SIDEWALK TIES IN, WILL REQUIRE DETAILED SURVEY AND DESIGN.
- 4) ALL BRICK CORNERS WILL REQUIRE SUPERVISOR APPROVAL BEFORE USING PROJECT DETAILS

Legend:

- PROPOSED SIDE CURB
- EXIST. GRASS
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

CONSTRUCTION NOTES:
1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN
TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

FILE NAME =	USER NAME = ledezmar	DESIGNED - --- --/--/----	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROJECT DETAIL FOR PARALLEL CURB RAMPS					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\WP\PLANPREP\SQUAD\1\Des_RL\Typical ADA details\Typical-ADA-sht-plan.dgn	DRAWN - RL	11/12/2019	REVISED -		(PD-06)					344	2025-2069-RS	LAKE	50	26
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	PLOT DATE = 11/12/2019	DATE -	REVISED -							ILLINOIS FED. AID PROJECT				

MODEL: D:\XXXXX-sh\TS14372 Plan [Sheet]
FILE NAME: P:\2019ME18003_Lake St ADA Ramp Design Improvement\01-CADD\02-Sheets\14372 US45 at Courtland St.dgn
US 45 Lake St ADA Ramp Design Improvement\01-CADD\02-Sheets\14372 US45 at Courtland St.dgn



USER NAME = jpham	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/3/2025	DATE -	REVISED -

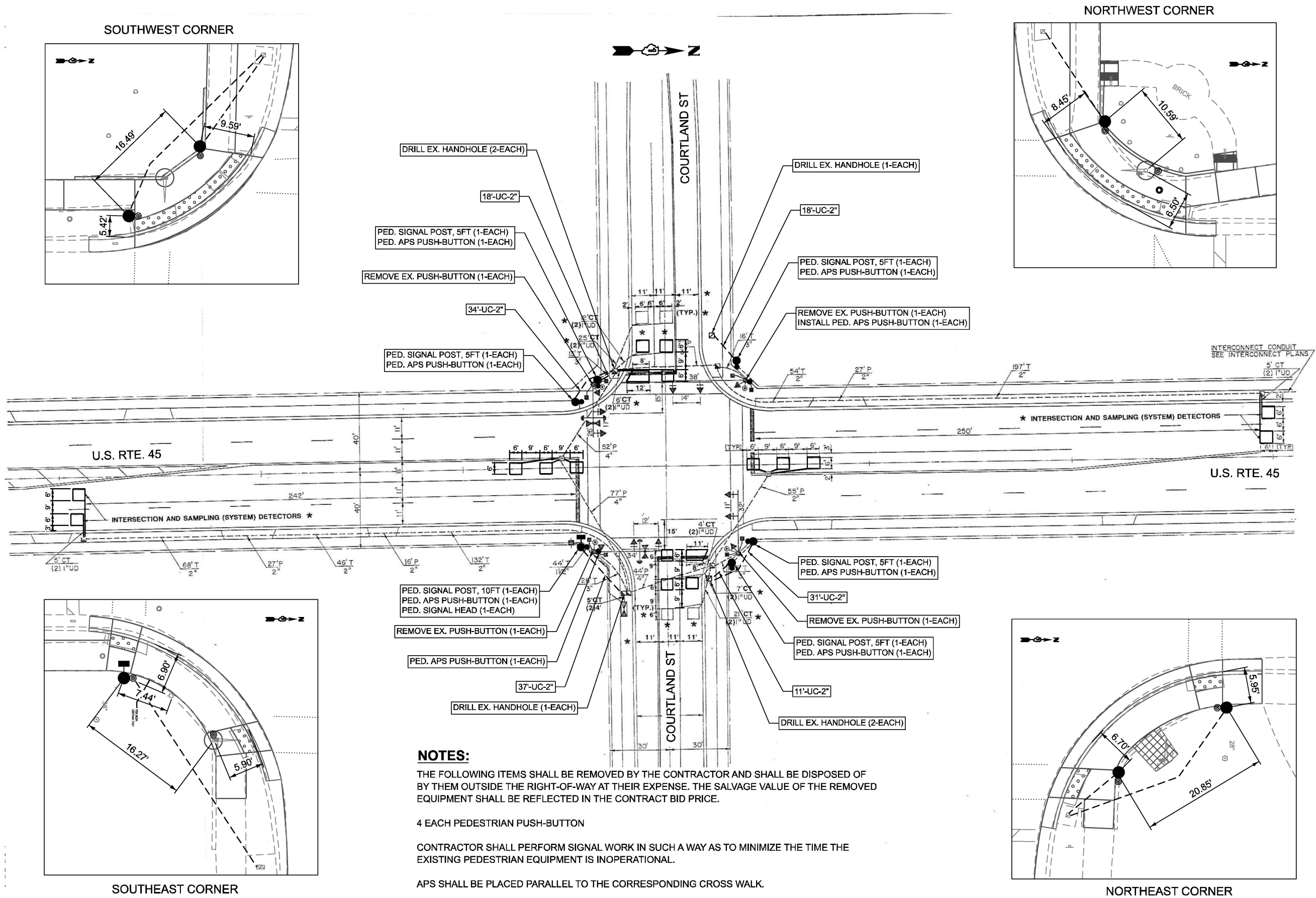
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
U.S. RTE 45 (LAKE ST) AT COURTLAND ST.

SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2025-2069-RS	LAKE	50	27
CONTRACT NO. 80B50				
ILLINOIS FED. AID PROJECT				

TS14372
EAGLE 1J



NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

4 EACH PEDESTRIAN PUSH-BUTTON

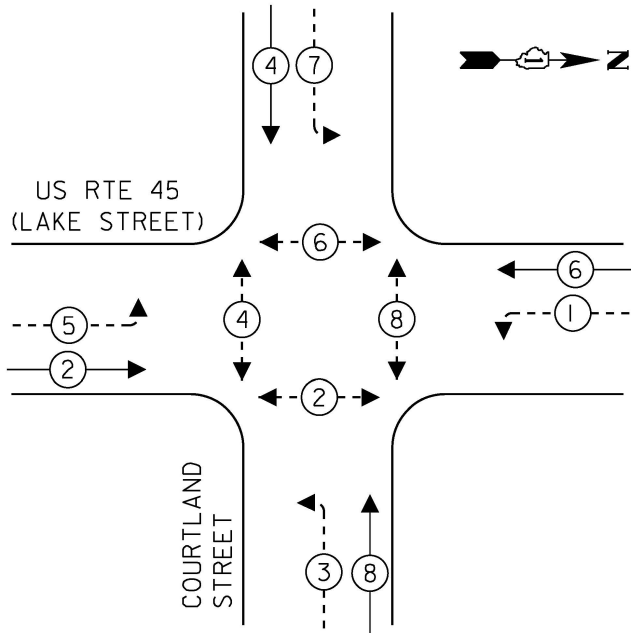
CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL.

APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSS WALK.

STATIONING SHOWN ON TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

EXISTING AND PROPOSED CONTROLLER

SEQUENCE

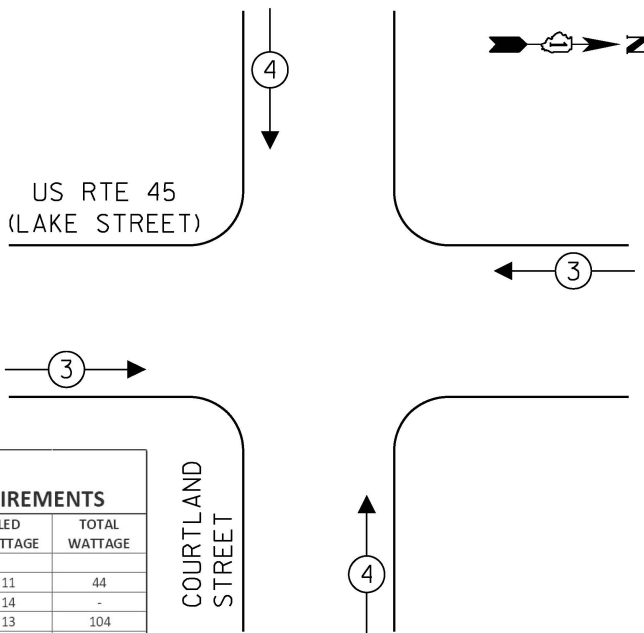


LEGEND:

- ← * → PROTECTED PHASE
- ← * - - PROTECTED/PERMITTED PHASE
- ← * - - PEDESTRIAN PHASE
- ← * OL → OVERLAP

EXISTING AND PROPOSED EMERGENCY VEHICLE

PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS			
TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	4	11
	4-SECTION	-	14
	5-SECTION	8	13
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			443
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING =			1048

ENERGY COSTS TO: VILLAGE OF MUNDELEIN

ENERGY SUPPLY:

CONTACT: COMED REPRESENTATIVE

PHONE: (866) 639-3532

COMPANY: COMMONWEALTH EDISON

ACCOUNT NUMBER: NEW METERED Acc# 47705-45000

EXISTING INTERSECTION AND SAMPLING (SYSTEM) DETECTOR

EX. INTERCONNECT TO ALLANSON RD

EX. TRACER CABLE

EXISTING TRAFFIC SIGNAL CABINET
INSTALL NEW LAYER II (DATALINK) SWITCH

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	149.0
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	895.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	71.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	188.0
DRILL EXISTING HANDHOLE	EACH	5
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, POST MOUNTED WITH COUNTDOWN TIMER	EACH	1
DETECTOR LOOP, TYPE I	FOOT	448.0
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	91.5
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	5
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	24
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

CABLE PLAN

(NOT TO SCALE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN
U.S. RTE 45 (LAKE ST) AT COURTLAND ST.

SCALE: SHEET 2 OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2025-2069-RS	LAKE	50	28
CONTRACT NO. 80B50				
ILLINOIS FED. AID PROJECT				

TS14372
EAGLE 1J

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USER NAME = jpham	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/4/2025	DATE -	REVISED -

MODEL: D:\XXXXX-shit-TS14345-US4_Division-Plan (Sheet)
FILE NAME: P:\2019ME18003_Va\Var_PhilW047_US45_Lake St ADA Ramp Design Improvement01-CADD\02-Shts\01XXXXX-shit-TS14345-US45 at Division St.dgn



USER NAME = jpham	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/3/2025	DATE -	REVISED -

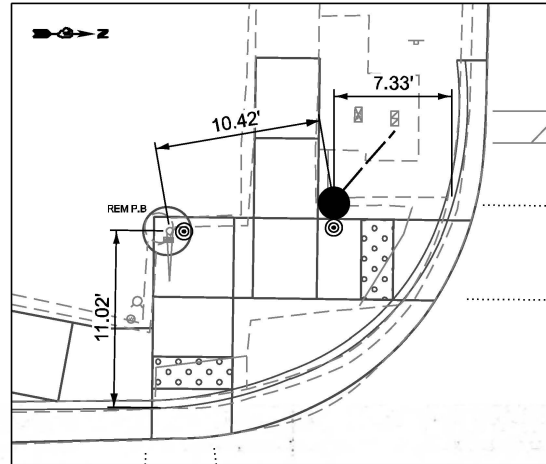
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
U.S. RTE 45 (LAKE ST) AT DIVISION ST.

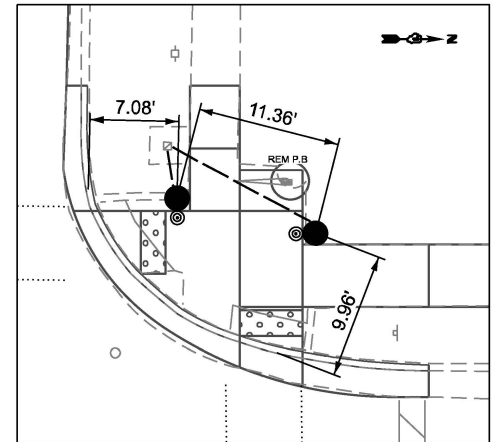
SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2025-2069-RS	LAKE	50	29
CONTRACT NO. 80B50				
ILLINOIS FED. AID PROJECT				

SOUTHWEST CORNER



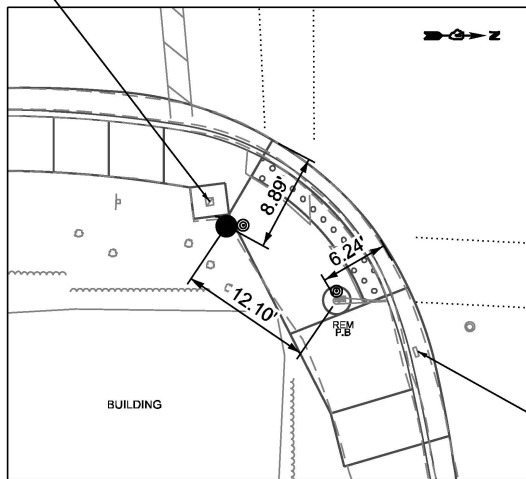
NORTHWEST CORNER



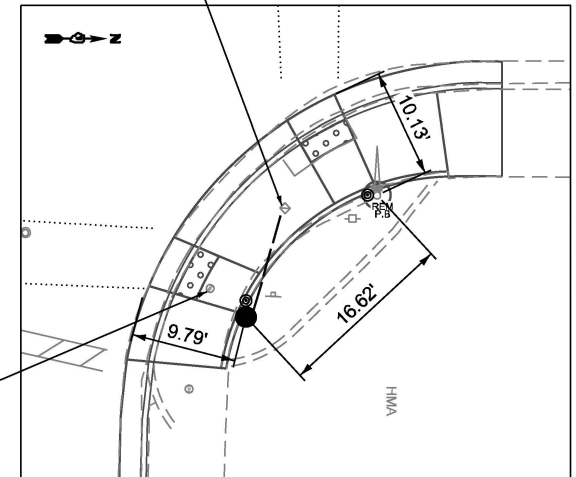
U.S. RTE. 45

U.S. RTE. 45

SOUTHEAST CORNER



NORTHEAST CORNER



NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

4 PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED

CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL.

APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSS WALK.

STATIONING SHOWN ON TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

DRILL EX. HANDHOLE (1-EACH)

6"-UC-2"

PED. SIGNAL POST, 5FT (1-EACH)
PED. APS PUSH-BUTTON (1-EACH)

REMOVE EX. PUSH-BUTTON (1-EACH)
INSTALL PED. APS PUSH-BUTTON (1-EACH)

INTERCONNECT CONDUIT
SEE INTERCONNECT PLANS

DRILL EX. HANDHOLE (1-EACH)

1"-UC-2"

PED. SIGNAL POST, 5FT (1-EACH)
PED. APS PUSH-BUTTON (1-EACH)

REMOVE EX. PUSH-BUTTON (1-EACH)
INSTALL PED. APS PUSH-BUTTON (1-EACH)

PROJECT LIMIT

PROJECT LIMIT

DRILL EX. HANDHOLE (2-EACH)

4"-UC-2"

PED. SIGNAL POST, 5FT (1-EACH)
PED. APS PUSH-BUTTON (1-EACH)

14"-UC-2"

REMOVE EX. PUSH-BUTTON (1-EACH)

PED. SIGNAL POST, 5FT (1-EACH)
PED. APS PUSH-BUTTON (1-EACH)

CONCRETE CURB

REMOVE EX. PUSH-BUTTON (1-EACH)
INSTALL PED. APS PUSH-BUTTON (1-EACH)

DRILL EX. HANDHOLE (1-EACH)

11"-UC-2"

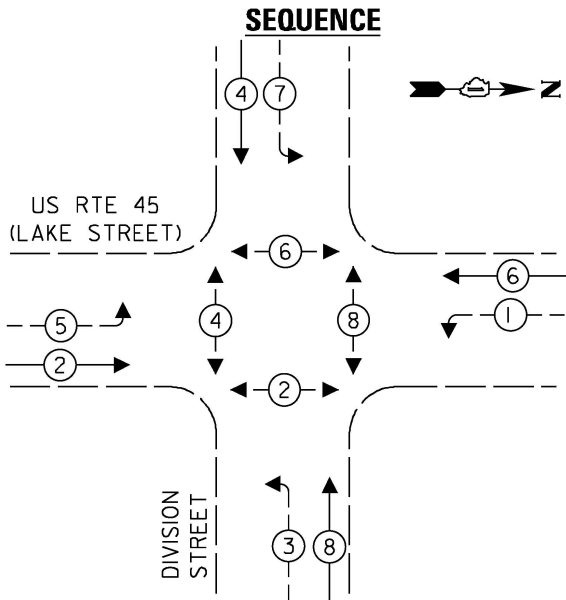
PED. SIGNAL POST, 5FT (1-EACH)
PED. APS PUSH-BUTTON (1-EACH)

ADJUST VALVE (1-EACH)

ADJUST LID (1-EACH)

INTERCONNECT CONDUIT
SEE INTERCONNECT PLANS

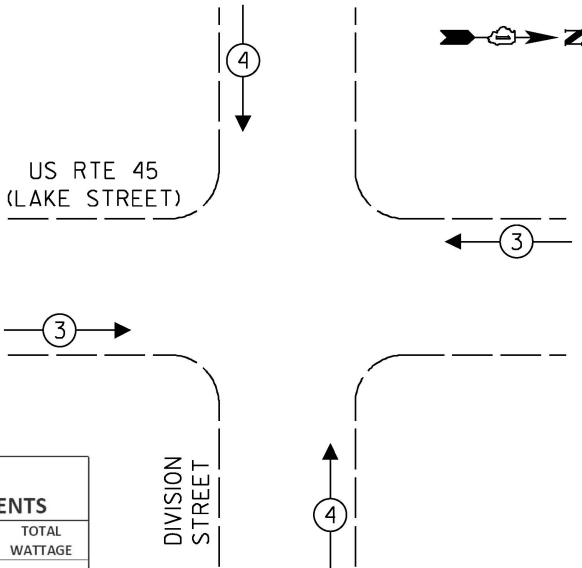
EXISTING AND PROPOSED CONTROLLER



LEGEND:

- ← * → PROTECTED PHASE
- ← * → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← OL → OVERLAP

EXISTING AND PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	4	11
	4-SECTION	-	14
	5-SECTION	8	13
PROGRAMMABLE SIGNALS			
	3-SECTION	-	22
	4-SECTION	-	32
	5-SECTION	-	28
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION	RADAR	-	20
	VIDEO	-	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			443
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING =			1048

ENERGY COSTS TO: VILLAGE OF MUNDELEIN

ENERGY SUPPLY:

CONTACT: COMED REPRESENTATIVE
PHONE: (866) 639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: NEW METERED Acct# 47705-45000

SCHEDULE OF QUANTITIES

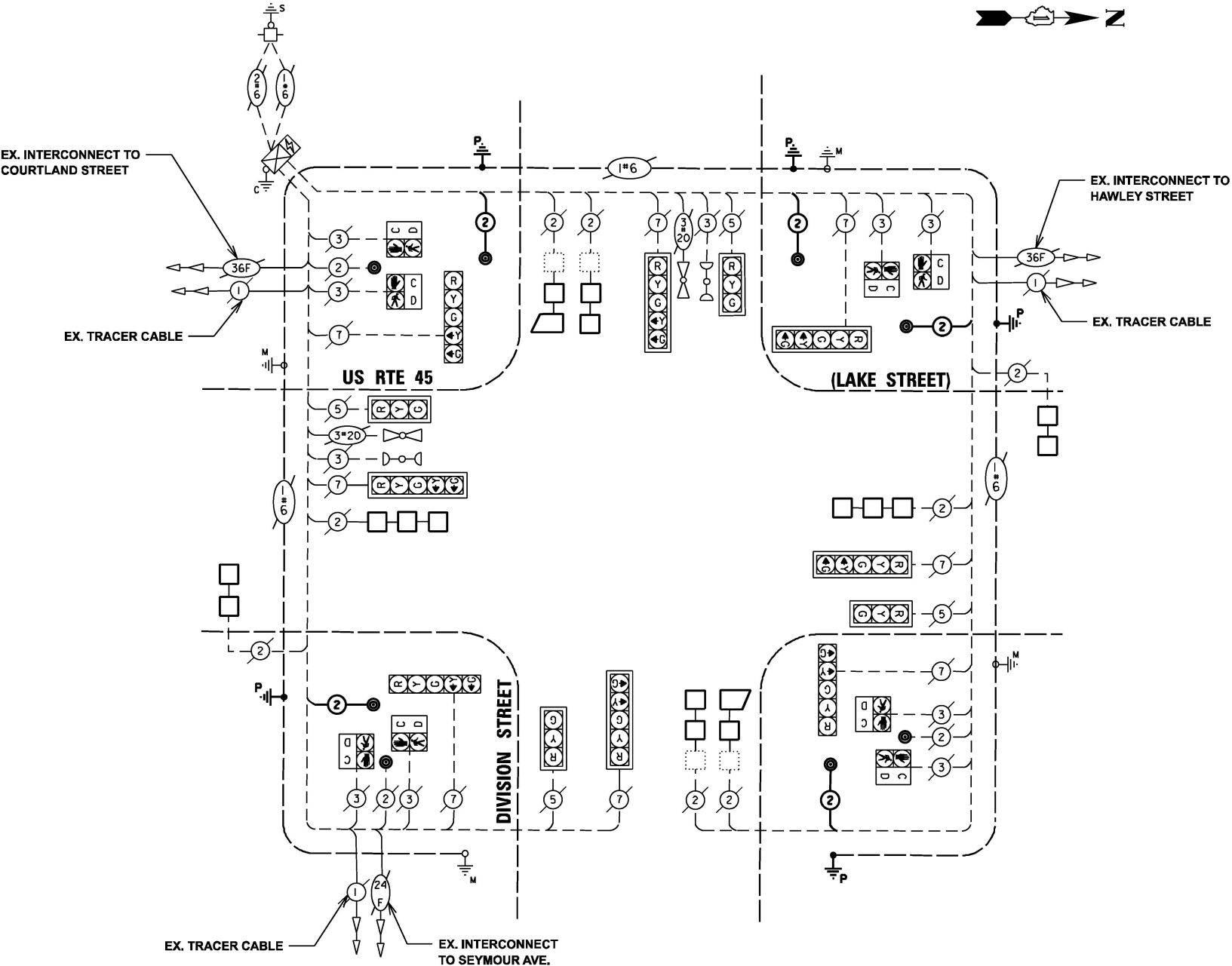
ITEM DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	36.0
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	618.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	56.0
DRILL EXISTING HANDHOLE	EACH	5
DETECTOR LOOP, TYPE I	FOOT	608.0
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	111.0
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	5
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20.0
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN
U.S. RTE 45 (LAKE ST) AT DIVISION ST.

SCALE: SHEET 2 OF SHEETS STA. TO STA.

CABLE PLAN
(NOT TO SCALE)



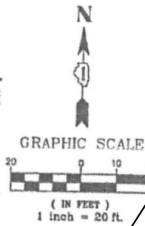
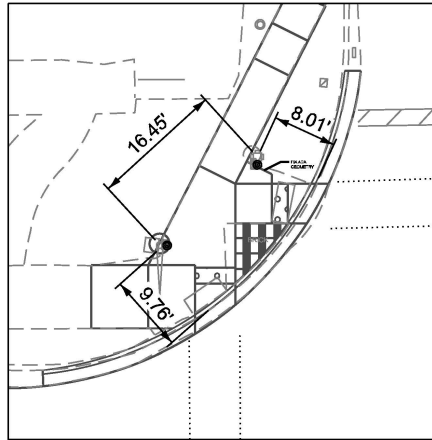
TS14345
EAGLE 1J

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2025-2069-RS	LAKE	50	30
CONTRACT NO. 80B50				
ILLINOIS FED. AID PROJECT				

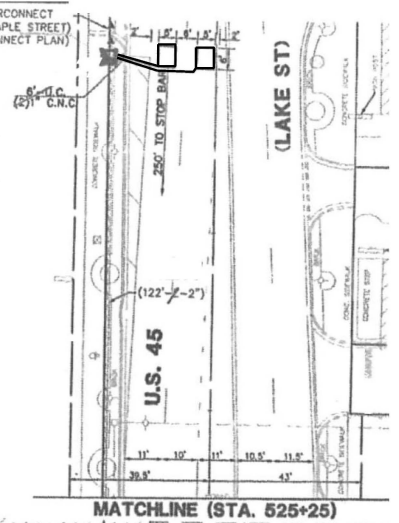


USER NAME = jpham	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/4/2025	DATE -	REVISED -

NORTHWEST CORNER



EXISTING INTERCONNECT
TO IL 176 (MAPLE STREET)
(SEE INTERCONNECT PLAN)



REMOVE EX. PUSH-BUTTON (1-EACH)
INSTALL PED. APS PUSH-BUTTON (1-EACH)

REMOVE EX. PUSH-BUTTON (1-EACH)
INSTALL PED. APS PUSH-BUTTON (1-EACH)

REMOVE EX. PUSH-BUTTON (1-EACH)
INSTALL PED. APS PUSH-BUTTON (1-EACH)

REMOVE EX. PUSH-BUTTON (1-EACH)
INSTALL PED. APS PUSH-BUTTON (1-EACH)

U.S. RTE. 45

U.S. 45

MATCHLINE (STA. 525+25)

HAWLEY

HAWLEY

MATCHLINE (STA. 521+75)

PROJECT LIMIT

38' Combo
Mast Arm
36" DIA. FOUND.
11' DEPTH

PROJECT LIMIT

REMOVE EX. PUSH-BUTTON (1-EACH)
INSTALL PED. APS PUSH-BUTTON (1-EACH)

REMOVE EX. PUSH-BUTTON (1-EACH)
INSTALL PED. APS PUSH-BUTTON (1-EACH)

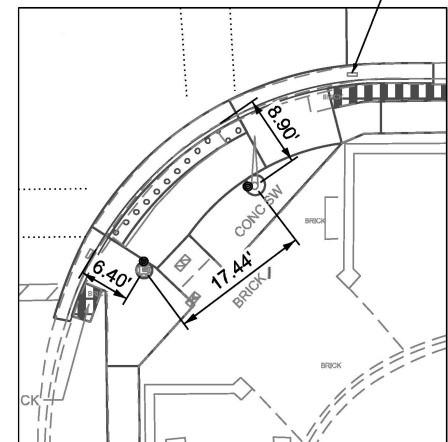
REMOVE EX. PUSH-BUTTON (1-EACH)
INSTALL PED. APS PUSH-BUTTON (1-EACH)

REMOVE EX. PUSH-BUTTON (1-EACH)
INSTALL PED. APS PUSH-BUTTON (1-EACH)

MATCHLINE (STA. 521+75)

U.S. RTE. 45

ADJUST IN (1-EACH)



SOUTHEAST CORNER

MODEL: D:\XXXXX-sh\TS14350-US45-Hawley Plan (Sheet)
FILE NAME: P:\2019ME18003_Va\Var PHILW047_US 45_Lake St ADA Ramp Design Improvement01-CADD\02-Shts\01\XXXXX-sh\TS14350-US45_Hawley St.dgn



USER NAME = jpham	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/3/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
U.S. RTE 45 (LAKE ST) AT HAWLEY ST.

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2025-2069-RS	LAKE	50	31
CONTRACT NO. 80B50				
ILLINOIS FED. AID PROJECT				

TS14350
EAGLE 1J

MODEL: D:\XXXXXX-shit-TS14350-US45-Hawley Plan-1 [Sheet]
FILE NAME: P:\2019ME19003_VarVar_PhilWO47_US 45_Lake St_ADA Ramp Design Improvement01-CADD\02-Shts\01\XXXXXX-shit-TS14350-US45_Hawley St.dgn



USER NAME	= jpham	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 9/3/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

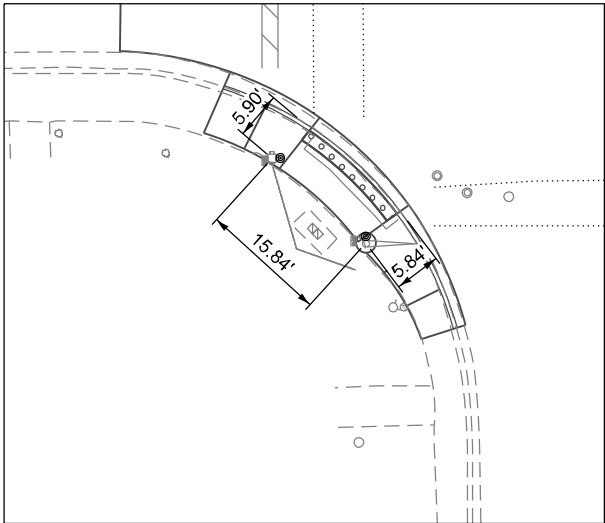
TRAFFIC SIGNAL PLAN
U.S. RTE 45 (LAKE ST) AT HAWLEY ST.

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

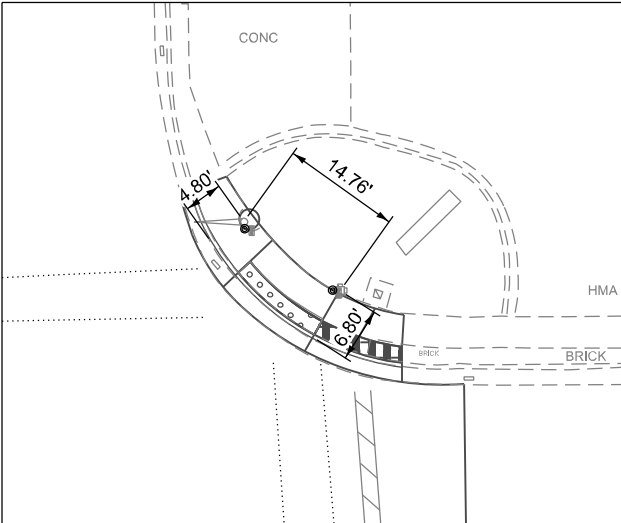
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2025-2069-RS	LAKE	50	32
CONTRACT NO. 80B50				
		ILLINOIS	FED. AID PROJECT	

TS14350
EAGLE 1J

SOUTHWEST CORNER



NORTHEAST CORNER



NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

8 PEDESTRIAN PUSH-BUTTON

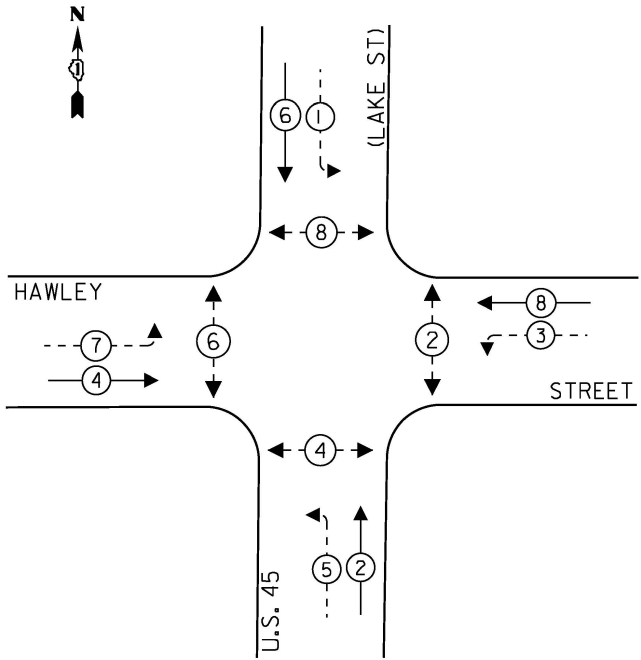
CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL.

APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSS WALK.

STATIONING SHOWN ON TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

MODEL: D:\XXXXXX\sh-TS14350-US45-Hawley Cable (Sheet)
FILE NAME: P:\2019\ME 1803_Var\Var_PhilWO07_US 45_Lake St ADA Ramp Design Improvement\01-CADD\02-Signs\0180B50-sh-TS14350-US45_Hawley Std.dgn

EXISTING AND PROPOSED CONTROLLER SEQUENCE

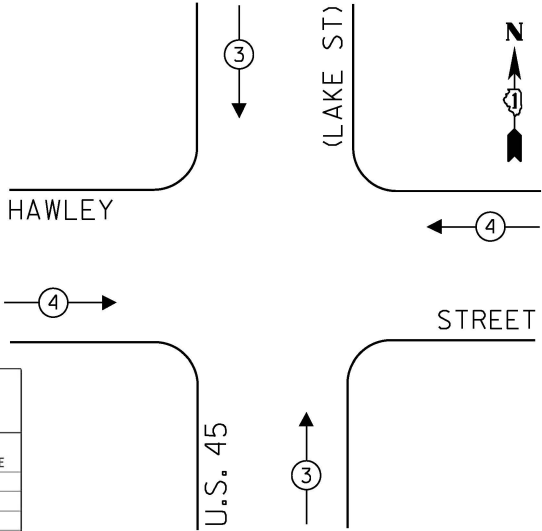


LEGEND:

- ← (⊛) → PROTECTED PHASE
- ← (⊛) - PROTECTED/PERMITTED PHASE
- ← (⊛) → PEDESTRIAN PHASE
- ← (⊛) OL OVERLAP

EX INTERCONNECT TO CALIFORNIA AVENUE

EXISTING AND PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS			
TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	7	11
	4-SECTION	-	14
	5-SECTION	8	13
PROGRAMMABLE SIGNALS	3-SECTION	-	22
	4-SECTION	-	32
	5-SECTION	-	28
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	1	20	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			496
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING =			1101

ENERGY COSTS TO: VILLAGE OF MUNDELEIN

ENERGY SUPPLY:

CONTACT: COMED REPRESENTATIVE

PHONE: (866) 639-3532

COMPANY: COMMONWEALTH EDISON

ACCOUNT NUMBER: NEW METERED Acct# 47705-45000

EX INTERCONNECT TO IL 176

TRACER CABLE

TRACER CABLE

HAWLEY

U.S. 45

EX INTERCONNECT TO DIVISION STREET

TRACER CABLE

CABLE PLAN
(NOT TO SCALE)

(LAKE STREET)

STREET

EX INTERCONNECT TO SEYMOUR STREET

TRACER CABLE

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
DETECTOR LOOP, TYPE I	FOOT	776.0
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TS14350
EAGLE 1J



USER NAME = jpham	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/4/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN
U.S. RTE 45 (LAKE ST) AT HAWLEY ST.

SCALE: SHEET 3 OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2025-2069-RS	LAKE	50	33
CONTRACT NO. 80B50				
ILLINOIS FED. AID PROJECT				

NOTES:

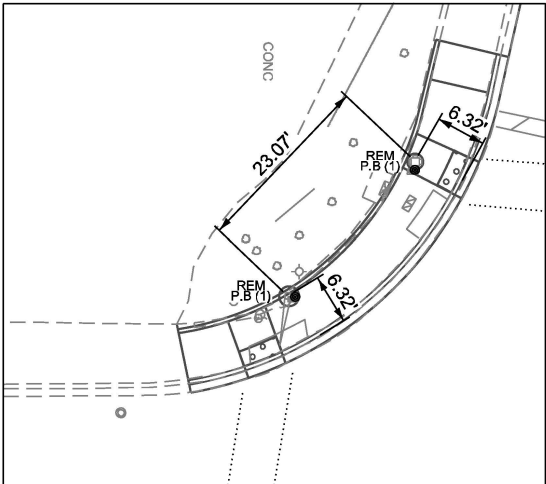
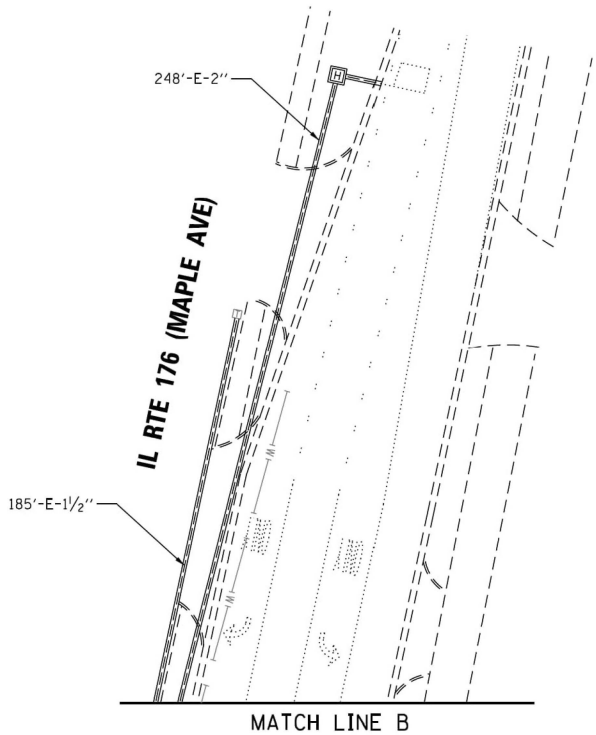
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

7 PEDESTRIAN PUSH-BUTTON

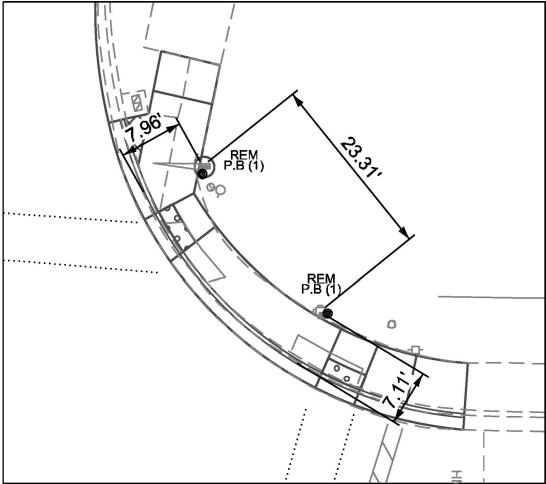
CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL.

APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSS WALK.

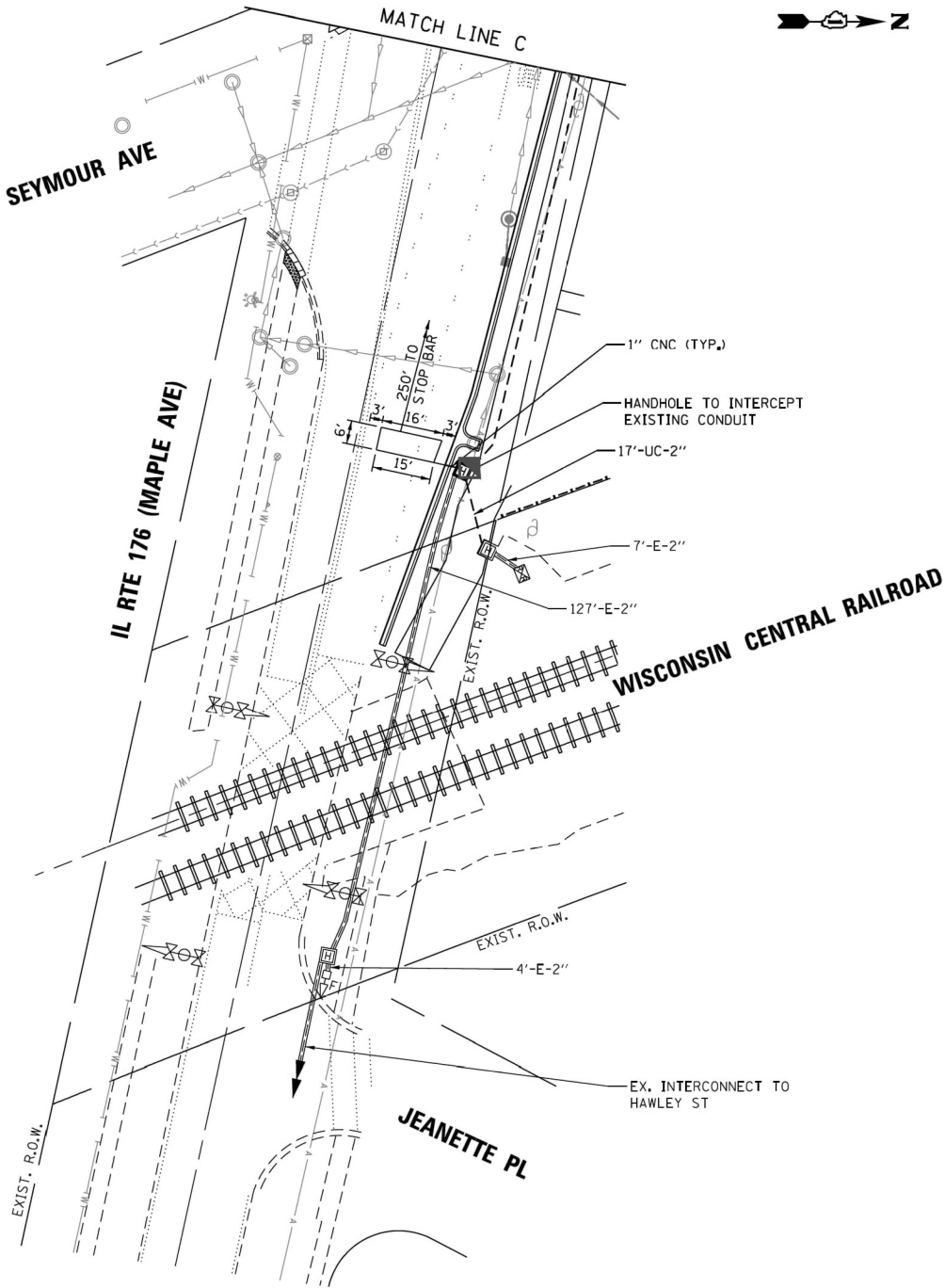
STATIONING SHOWN ON TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.



SOUTHWEST CORNER_US45-MAPLE AVE



NORTHWEST CORNER_US45-MAPLE AVE



ANY PROPOSED ACTIVITY IN THE VICINITY OF HIGHWAY-RAIL GRADE CROSSING MUST ADHERE TO THE GUIDELINES SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) UNDER SECTION 6G.18: WORK IN THE VICINITY OF A GRADE CROSSING WHICH STATES: "WHEN GRADE CROSSINGS EXIT EITHER WITHIN OR IN THE VICINITY OF A TTC ZONE, LANE RESTRICTIONS, FLAGGING, OR OTHER OPERATIONS SHALL NOT CREATE CONDITIONS WHERE VEHICLES BE QUEUED ACROSS THE TRACKS. IF THE QUEUING OF VEHICLES ACROSS THE TRACKS CANNOT BE AVOIDED, A UNIFORMED LAW ENFORCEMENT OFFICER OR FLAGGER SHALL BE PROVIDED AT THE CROSSING TO PREVENT VEHICLES FROM STOPPING ON THE TRACKS, EVEN IF AUTOMATIC WARNING DEVICES ARE IN PLACE."

MODEL: TS6625 Plan 02 [Sheet]
FILE NAME: P:\2019\ME\0003_VanVar_PhilW047_US 45 Lake St ADA Ramp Design Improvement\01-CADD\02-Shts\01XXXXX.sht; TS6625-US45 Maple Ave.dgn



USER NAME = jpham	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/3/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
U.S RTE 45 (LAKE ST)AT IL RTE 176 (MAPLE AVE)

SCALE: N/A SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2025-2069-RS	LAKE	50	35
CONTRACT NO. 80B50				
ILLINOIS FED. AID PROJECT				

TS6625
EAGLE 1J

MODEL: TS6625 Cable 01 [Sheet]
FILE NAME: P:\2019\ME\1903_VanVar_PhilW047_US 45_Lake St ADA Ramp Design Improvement\01-CADD\02-Signs\0180B50-sh-TS6625-US45_Maple Ave.dgn

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS			
TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	2	11
	4-SECTION	-	14
	5-SECTION	12	13
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	1	20	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			493
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING =			1098

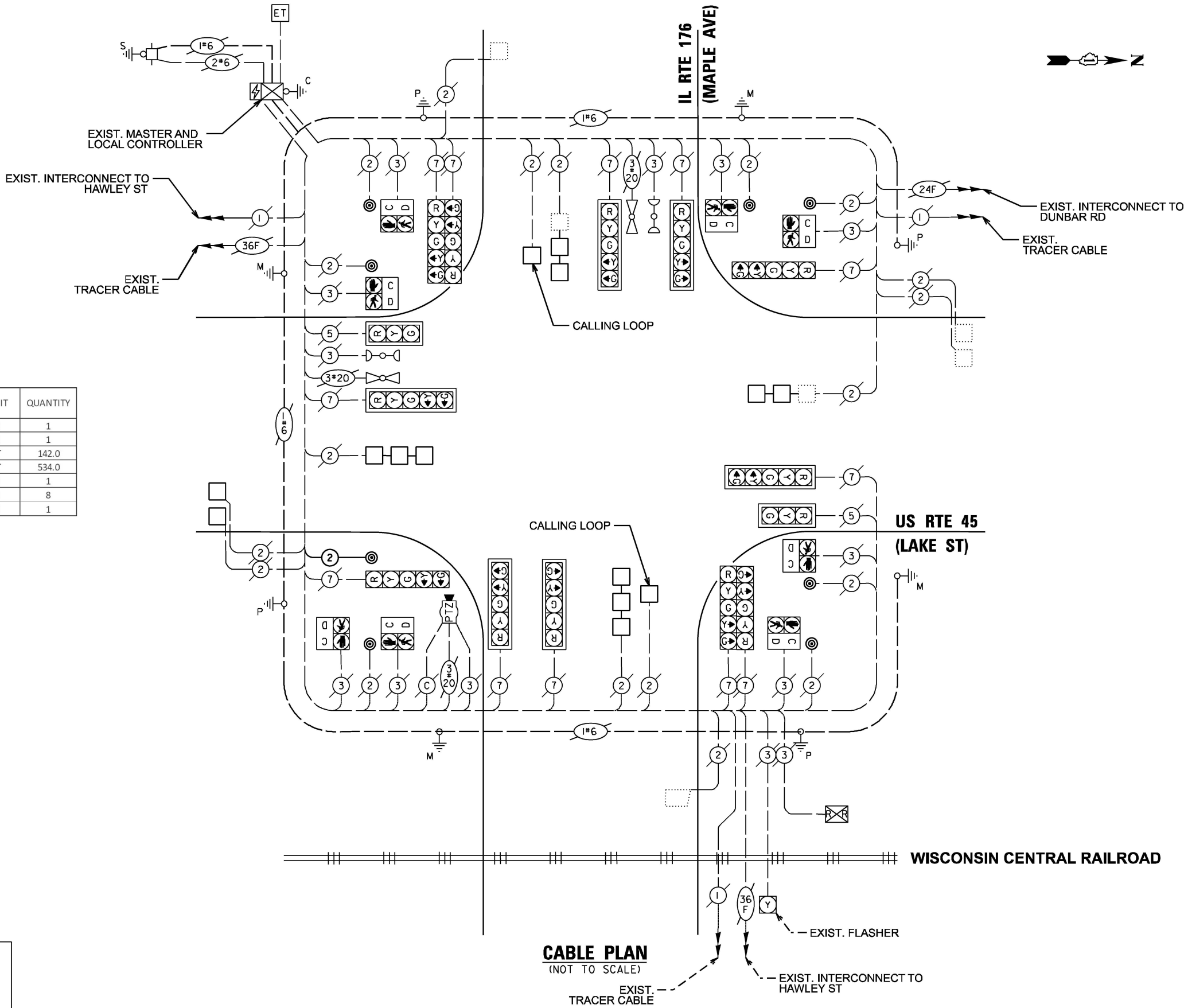
ENERGY COSTS TO: VILLAGE OF MUNDELEIN

ENERGY SUPPLY:

CONTACT: COMED REPRESENTATIVE
PHONE: (866) 639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: NEW METERED Acc# 47705-45000

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MAINTENANCE OF EXISTING FLASING BEACON INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	142.0
DETECTOR LOOP, TYPE I	FOOT	534.0
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1



CABLE PLAN (NOT TO SCALE)

EXIST. TRACER CABLE

EXIST. FLASHER

EXIST. INTERCONNECT TO HAWLEY ST



USER NAME = jpham
DESIGNED -
DRAWN -
CHECKED -
PLOT DATE = 9/4/2025

DESIGNED -
REVISED -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN
U.S RTE 45 (LAKE ST) AT IL RTE 176 (MAPLE AVE)

SCALE: SHEET 3 OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2025-2069-RS	LAKE	50	36
CONTRACT NO. 80B50				
ILLINOIS FED. AID PROJECT				

TS6625
EAGLE 1J

MOVEMENT										F L A S H																							
PHASE	1 + 5				1 + 6			2 + 5			2 + 6				3 + 7				3 + 8					4 + 7					4 + 8				
INTERVAL	1	2	3	4	5	6	7	8	9		10	11	12	13A	13B	14	15	16	17	18	19	20	21A	21B	22	23	24	25A	25B	26	27	28A	28B
CHANGE TO		1+6	2+5	2+6	Ø	Ø	2+6	Ø	Ø		2+6			3+7 3+8 4+7 4+8		3+8	4+7	1+5 1+6 2+5 2+6,4+8		Ø	Ø	4+8	1+5 1+6 2+5 2+6	Ø	Ø	4+8	1+5 1+6 2+5 2+6			1+5 1+6 2+5 2+6			
US RTE 45 FAR LEFT AND END MAST ARM SIGNALS	NB																																
US RTE 45 FAR RIGHT MAST ARM SIGNAL	NB																																
US RTE 45 FAR LEFT AND END MAST ARM SIGNALS	SB																																
US RTE 45 FAR RIGHT MAST ARM SIGNAL	SB																																

PHASE 2+6 SHALL BE PLACED ON RECALL.

[illegible]

EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE PREEMPTION INTERVAL AFTER EMERGENCY VEHICLE PREEMPTION INTERVAL 2 OR 3 IS TERMINATED.

MODEL: TS6625 Cable 03 [Sheet]
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EXISTING RAILROAD PREEMPTION SEQUENCE OF OPERATION																			PREEMPTION NUMBER 2					
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	5		8		11		14	18	22		26												
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER														2		3								
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	2	3	4	5	CLEAR TO NORMAL SEQUENCE		
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	1C	2	1E	2	1G	2	2	2	1L	2	1N	2	1Q	2	1S	2	3	4	5				
US RTE 45 FAR LEFT AND END MAST ARM SIGNALS	NB ←R	R	R	Y	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	G	△		
US RTE 45 FAR RIGHT MAST ARM SIGNAL	NB	R	R	R	Y	R	Y	R	R	R	R	R	R	Y	R	R	R	R	R	R	G	△		
US RTE 45 FAR LEFT AND END MAST ARM SIGNALS	SB ←R	Y	R	R	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	G	△		
US RTE 45 FAR RIGHT MAST ARM SIGNAL	SB	R	Y	R	R	R	Y	R	R	R	R	R	R	Y	R	R	R	R	R	R	G	△		
IL RTE 176 FAR LEFT AND END MAST ARM SIGNALS	EB	R	R	R	R	R	R	←R	Y	R	Y	R	Y	R	R	R	Y	R	R	R	R	△		
IL RTE 176 NEAR AND FAR RIGHT MAST ARM SIGNALS	EB Y→	R	R	R	Y→	R	R	R	R	R	Y	R	Y	R	R	R	Y	R	R	R	R	△		
IL RTE 176 FAR LEFT AND END MAST ARM SIGNALS	WB	R	R	R	R	R	R	←R	G	←G	R	R	G	G	R	R	G	G	←G	Y	R	R	△	
IL RTE 176 NEAR AND FAR RIGHT MAST ARM SIGNALS	WB Y→	R	Y→	R	R	R	R	R	R	G	R	R	G	G	R	R	G	G	G	Y	R	R	△	
PEDESTRIAN CROSSING US RTE 45 NORTH SIDE OF IL RTE 176		H	H	H	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	H	H	H	△		
PEDESTRIAN CROSSING US RTE 45 SOUTH SIDE OF IL RTE 176		H	H	H	H	H	H	H	H	FH	H	FH	H	H	H	H	H	H	H	H	H	△		
PEDESTRIAN CROSSING IL RTE 176 WEST SIDE OF US RTE 45		H	FH	H	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	△		
PEDESTRIAN CROSSING IL RTE 176 EAST SIDE OF US RTE 45		H	H	H	FH	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	△		
IL RTE 176 YELLOW FLASHER EAST OF TRACKS	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y	FL Y			

△ RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE PREEMPTION INTERVAL (IF APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMINATED.

HOLD



USER NAME = jpham	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/3/2025	DATE -	REVISED -

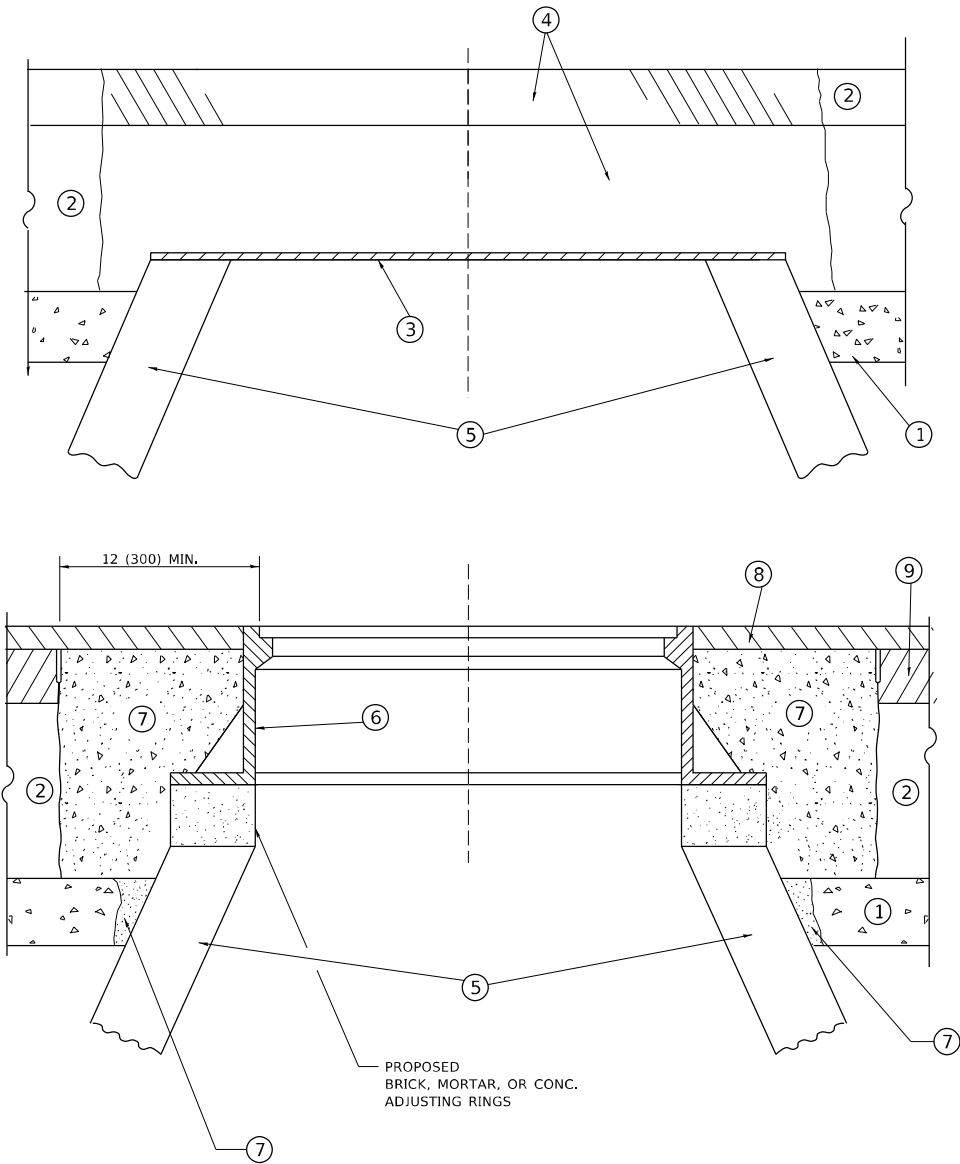
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN
U.S. RTE 45 (LAKE ST) AT IL RTE 176 (MAPLE AVE)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2025-2069-rs	LAKE	50	38
CONTRACT NO. 80B50				
ILLINOIS FED. AID PROJECT				

TS6625
EAGLE 1J



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT
WITH MILLING**

NOTES

- 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.
- 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.
- CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- 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)

- REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- 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)

- REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- 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 MATERIAL | ⑥ FRAME AND LID (SEE NOTES) |
| ② EXISTING PAVEMENT | ⑦ CLASS PP-2* CONCRETE |
| ③ 36 (900) DIAMETER METAL PLATE | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ 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

- 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.
- NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
- 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

MODEL: Default
FILE NAME: V:\distr6275-34\bd08.dgn

USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11
	DRAWN -	REVISED - R. BORO 12-06-11
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

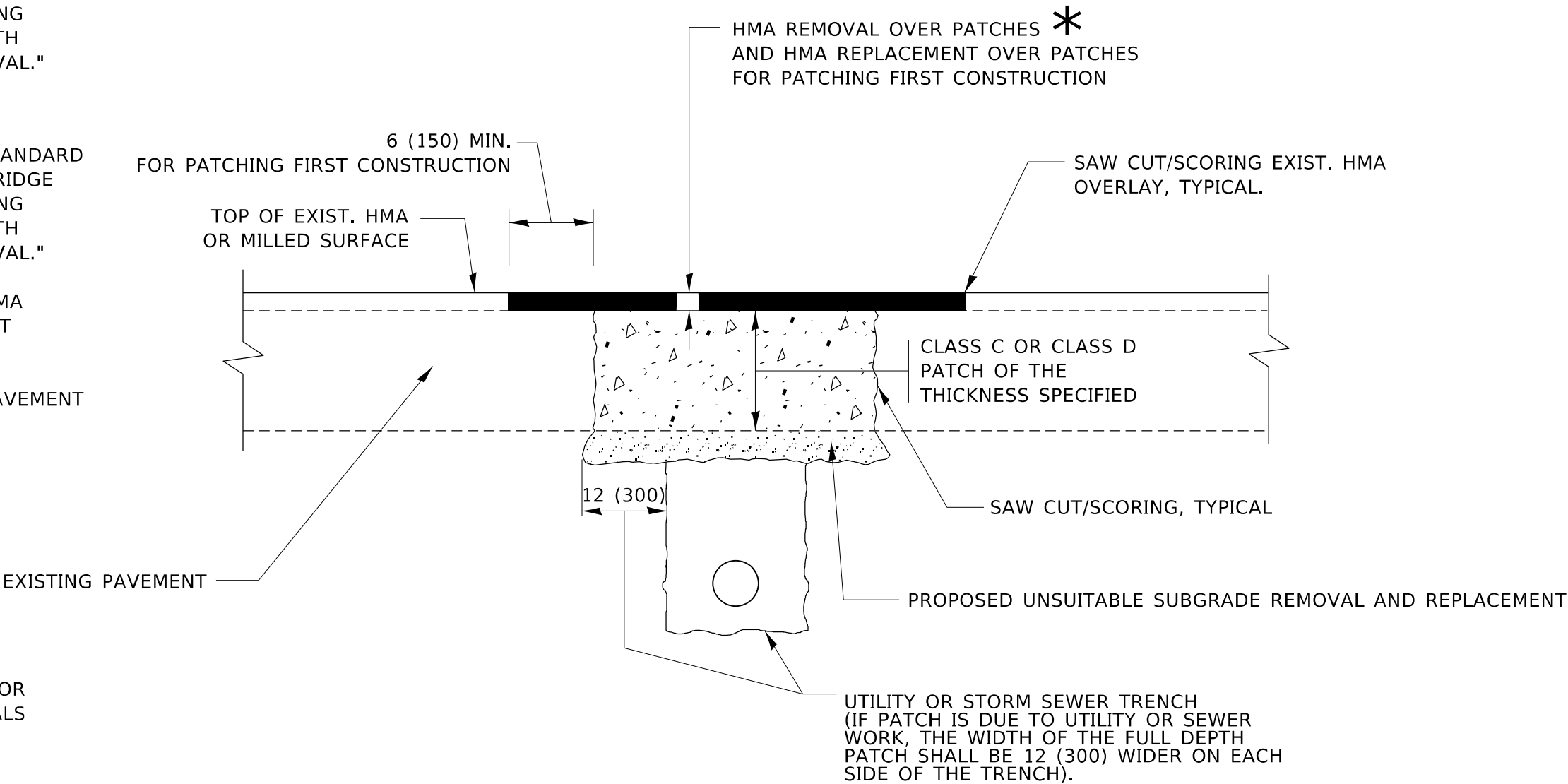
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2025-2069-RS	LAKE	50	39
BD600-03 (BD-08)		CONTRACT NO. 80B50		
		ILLINOIS	FED. AID PROJECT	

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."
- 2. 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.



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

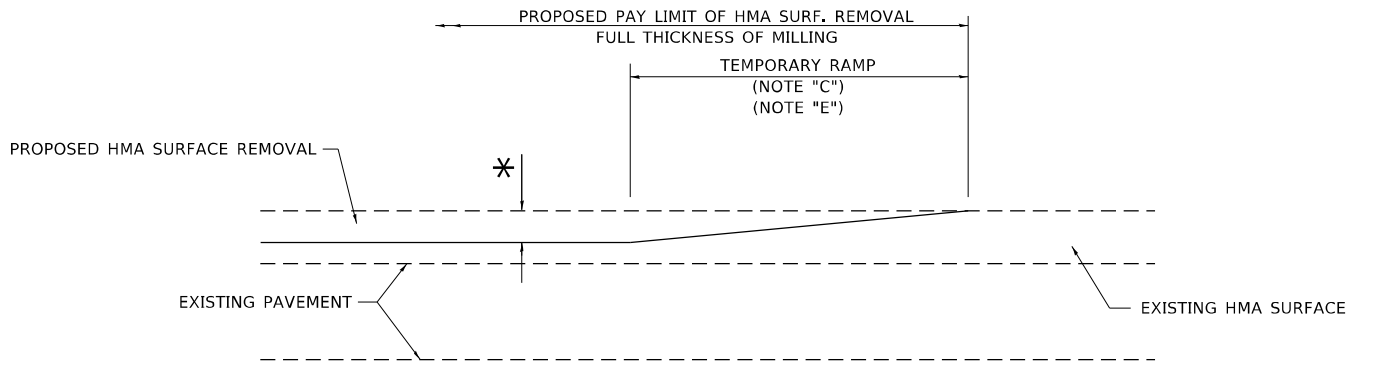
SEQUENCE OF CONSTRUCTION (MILLING FIRST)

- 1. MILL HMA FIRST IF THERE IS AT LEAST 4½ 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.

MODEL: Default
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C:\Users\jmanley\OneDrive\Documents\DOT Office\District 1\Projects\District 1\Projects\BD400-04\BD400-04.dwg
11/18/2022 10:25:40 AM

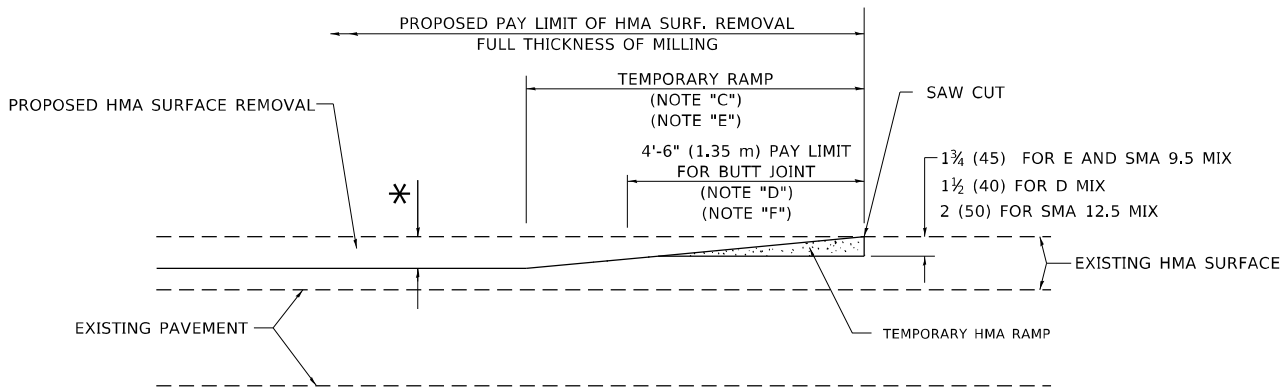
	USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 09-04-07						344	2025-2069-RS	LAKE	50	40
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - K. ENG 10-27-08		BD400-04 (BD-22)		CONTRACT NO. 80B50						
	PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22		SCALE: NONE		SHEET 1	OF 1	SHEETS	STA.	TO STA.		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

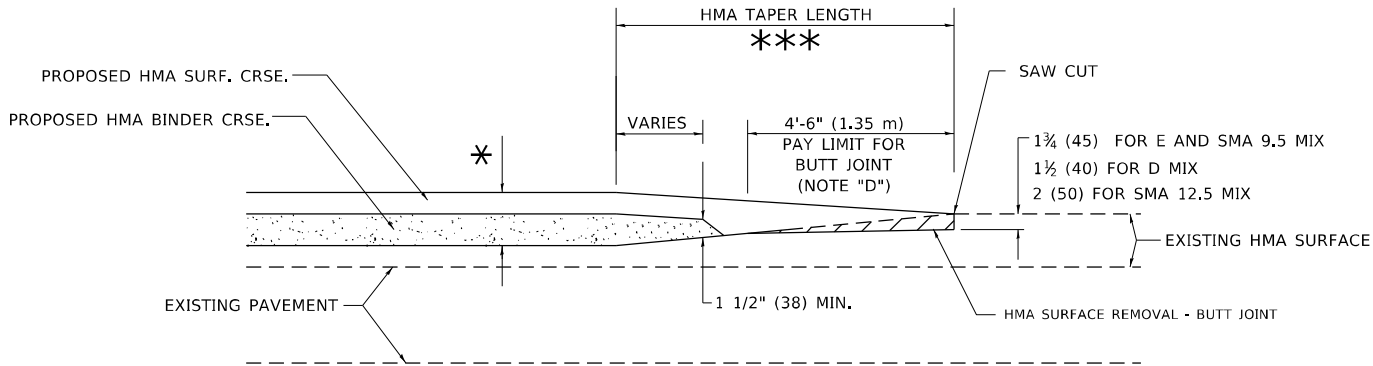


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

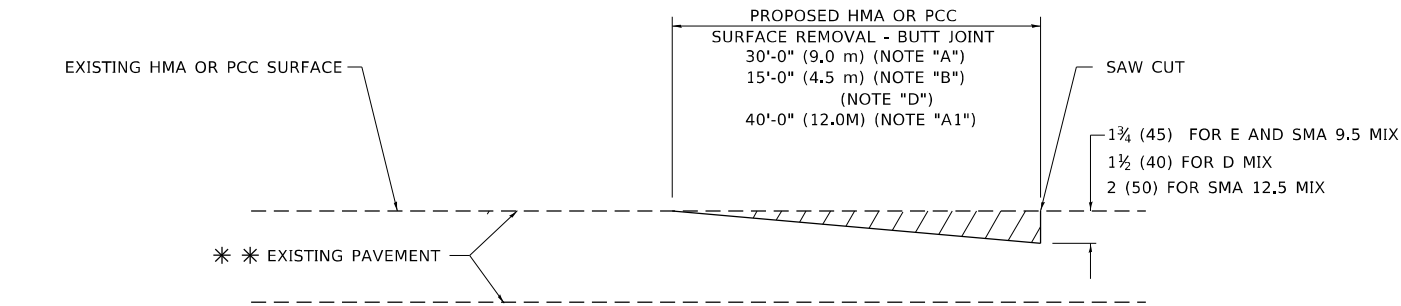
OPTION 2

TYPICAL TEMPORARY RAMP

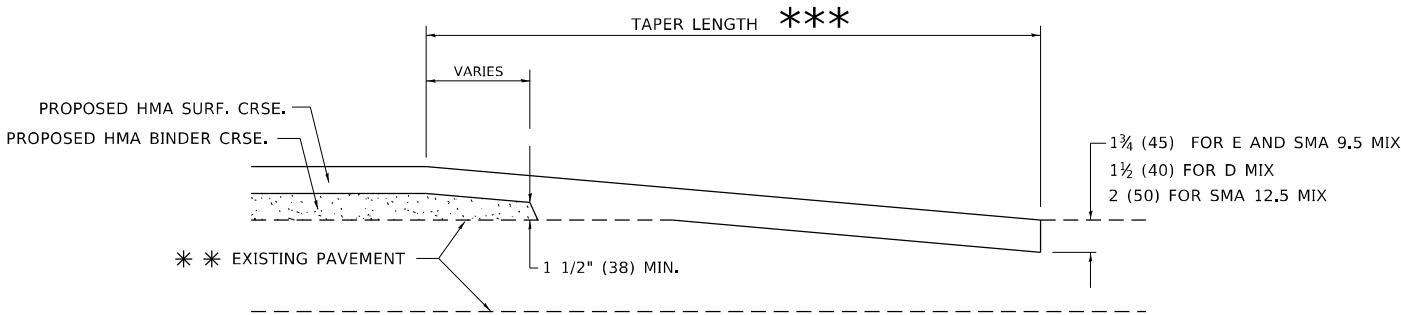


**BUTT JOINT AND
HMA TAPER**

**TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING**



BUTT JOINT DETAIL



HMA TAPER DETAIL

**TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY**

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

- MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- INTERSTATES
- MINOR SIDE ROADS.
- THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- 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.
- 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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USER NAME = Lawrence,DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

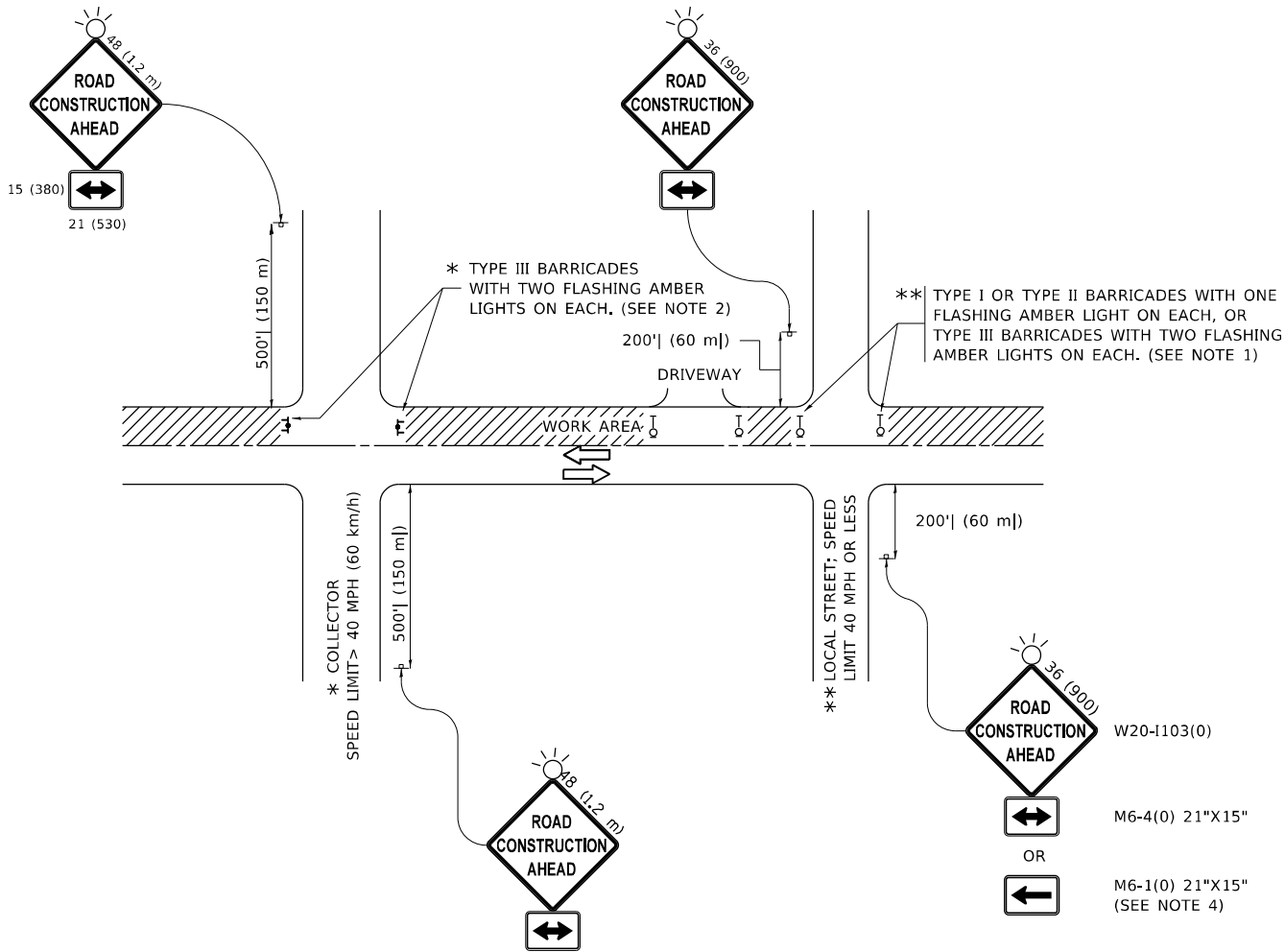
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2025-2069-RS	LAKE	50	42
BD400-05 BD-32		CONTRACT NO. 80B50		
		ILLINOIS	FED. AID PROJECT	

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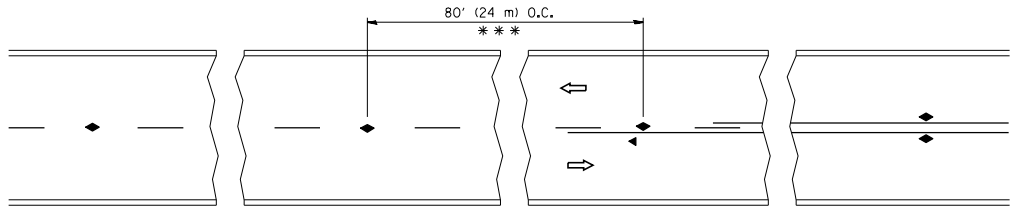


NOTES:

- 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:
 - 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.
 - 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:
 - 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 BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 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.
- 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).
- 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.
- 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.

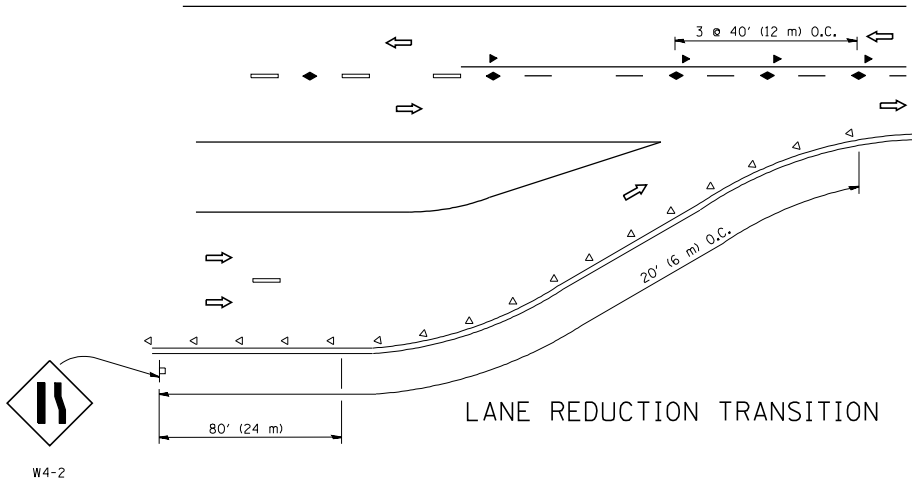
All dimensions are in inches (millimeters)
unless otherwise shown.

	USER NAME = Lawrence,DeManche	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - A. SCHUETZE 07-01-13						344	2025-2069-RS	LAKE	50	43
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-16						TC-10		CONTRACT NO. 80B50		
	PLOT DATE = 5/3/2024	DATE - 06-89	REVISED - D. SENDERAK 05-03-24						ILLINOIS FED. AID PROJECT				

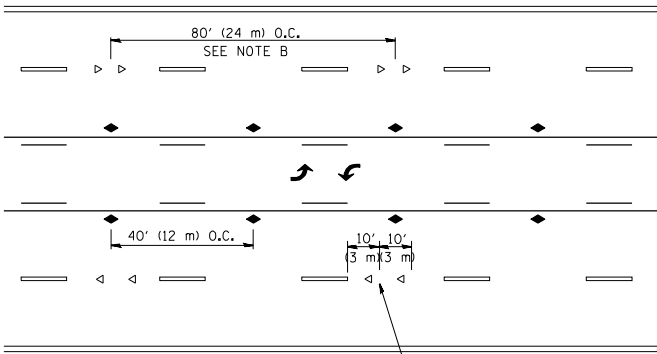


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO-LANE/TWO-WAY

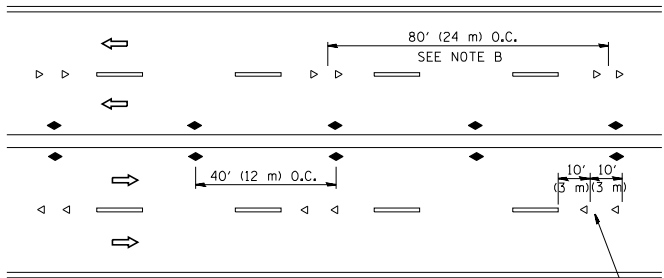


LANE REDUCTION TRANSITION



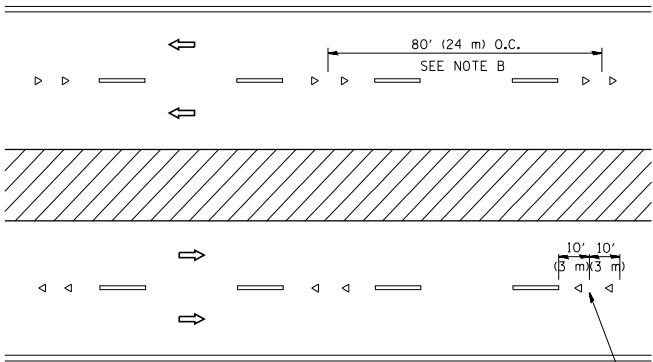
SEE NOTE A

TWO-WAY LEFT TURN



SEE NOTE A

MULTI-LANE/UNDIVIDED



SEE NOTE A

MULTI-LANE/DIVIDED

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 LESSER OF THE TWO CURVE SPACINGS.

LANE MARKER NOTES

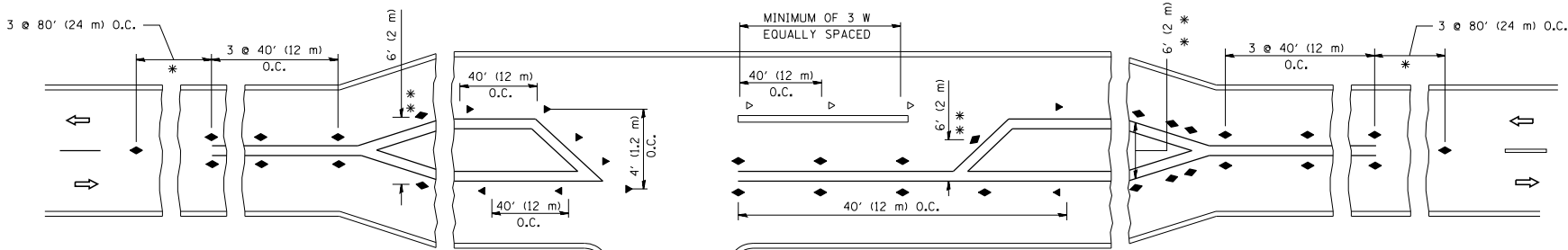
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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 SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

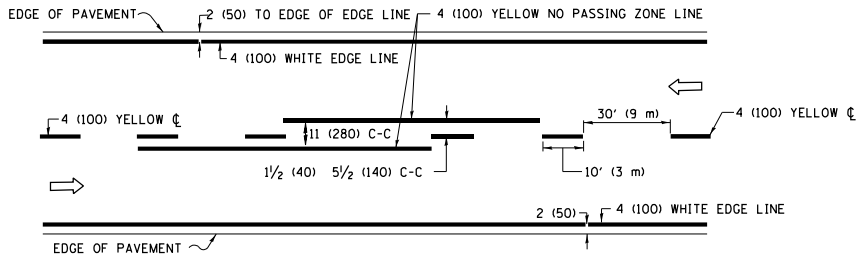


* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS
USE TWO-WAY MARKERS.

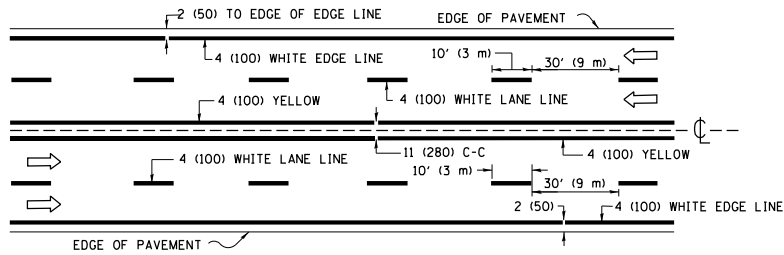
LEFT TURN

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

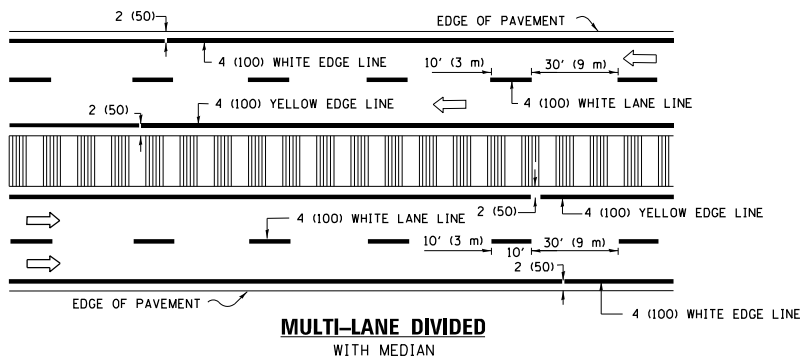
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		DRAWN -	REVISED - T. RAMMACHER 03-12-99					344	2025-2069-RS	LAKE	50	44
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00		TC-11			CONTRACT NO. 80B50				
	PLOT DATE = 3/2/2011	DATE -	REVISED - C. JUCIUS 09-09-09		SCALE: NONE			SHEET NO. 1 OF 1 SHEETS			STA. TO STA.	
					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



2-LANE ROADWAY

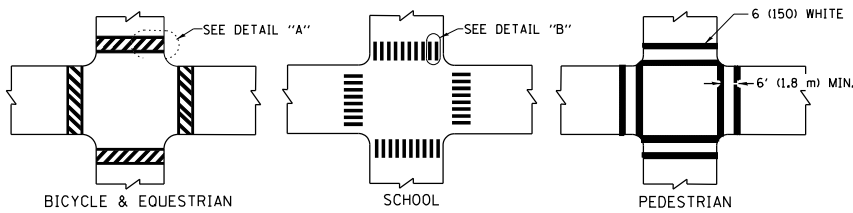


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

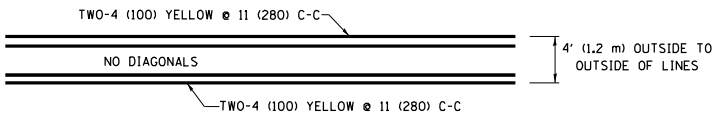


DETAIL "A"

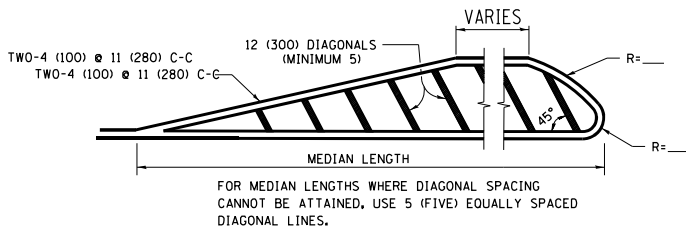
DETAIL "B"

TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

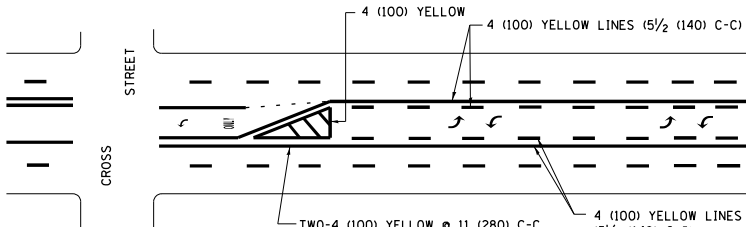


4' (1.2 m) WIDE MEDIANS ONLY

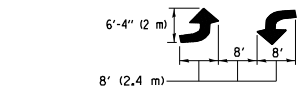


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

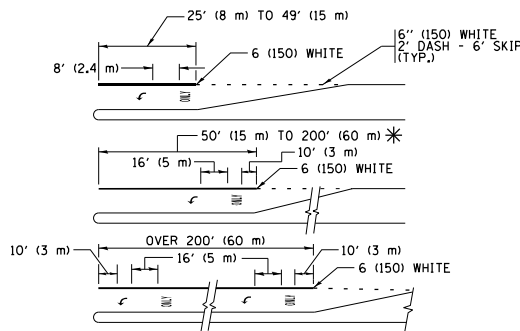


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

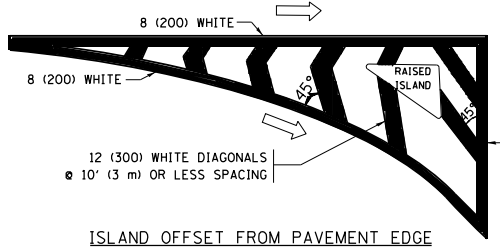


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

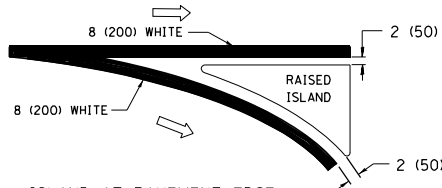
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

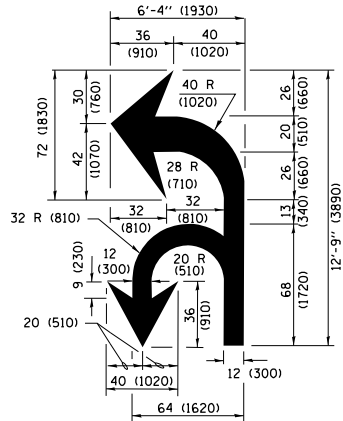


ISLAND OFFSET FROM PAVEMENT EDGE

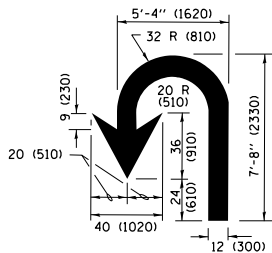


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

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	5 1/2 (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 WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5 1/2 (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 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 ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
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

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.

FILE NAME =	USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pwi\11084EBID\INTEG\Illinois.gov\PWIDOT\Documents\1DOT Offices\District 1\Projects\District 1\CADData\CADsheets\tc13.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 50.000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 8/20/2018		REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

F.A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2025-2069-RS	LAKE	50	45
	TC-13	CONTRACT NO.	80B50	
		ILLINOIS FED. AID PROJECT		

TURN BAY ENTRANCE AT START
OF LANE CLOSURE TAPER

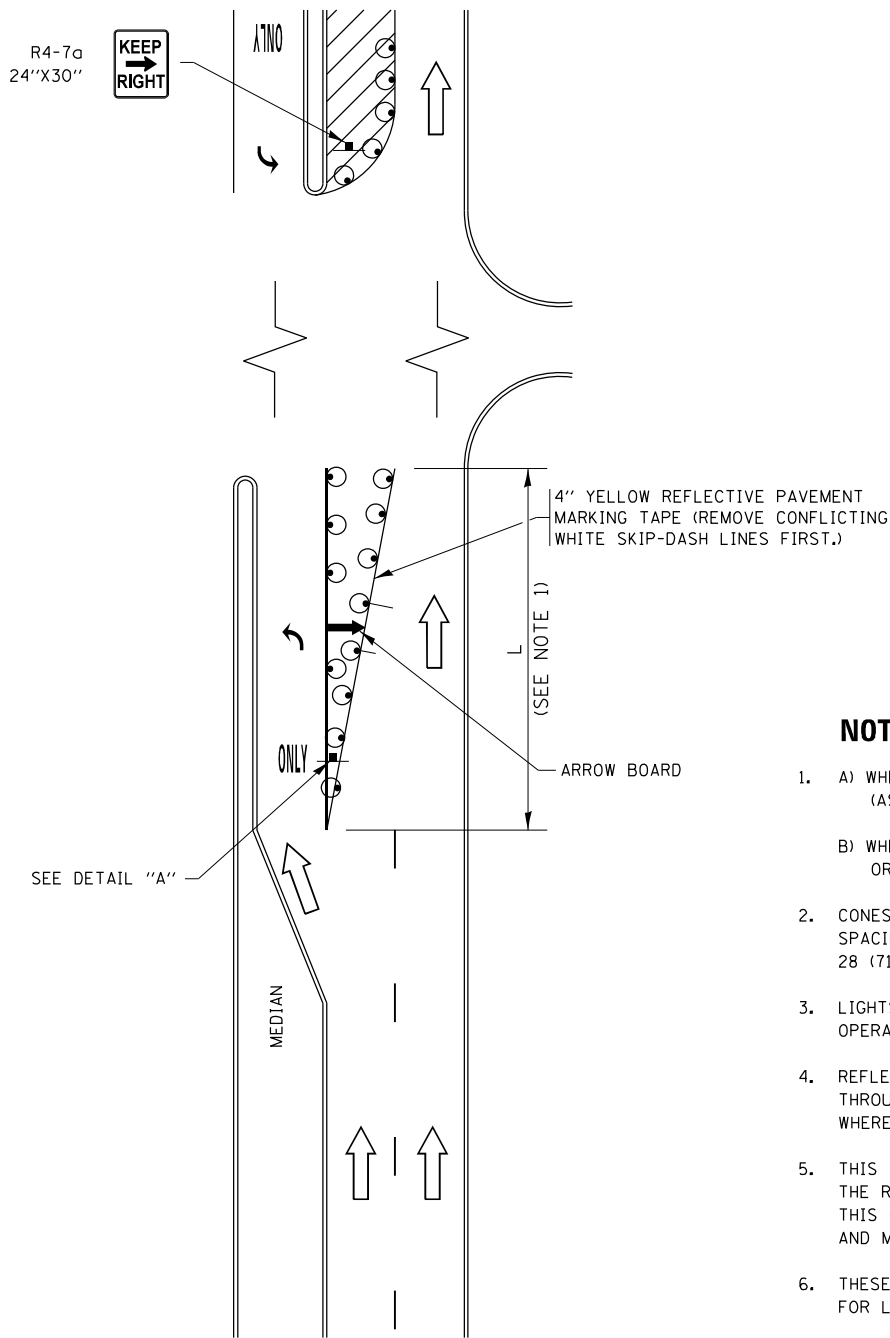


FIGURE 1

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:

- A) WHEN "L" IS $\leq$ 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.
- 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.
- LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
- 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.
- 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" R3-1100R 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.
- THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
- 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

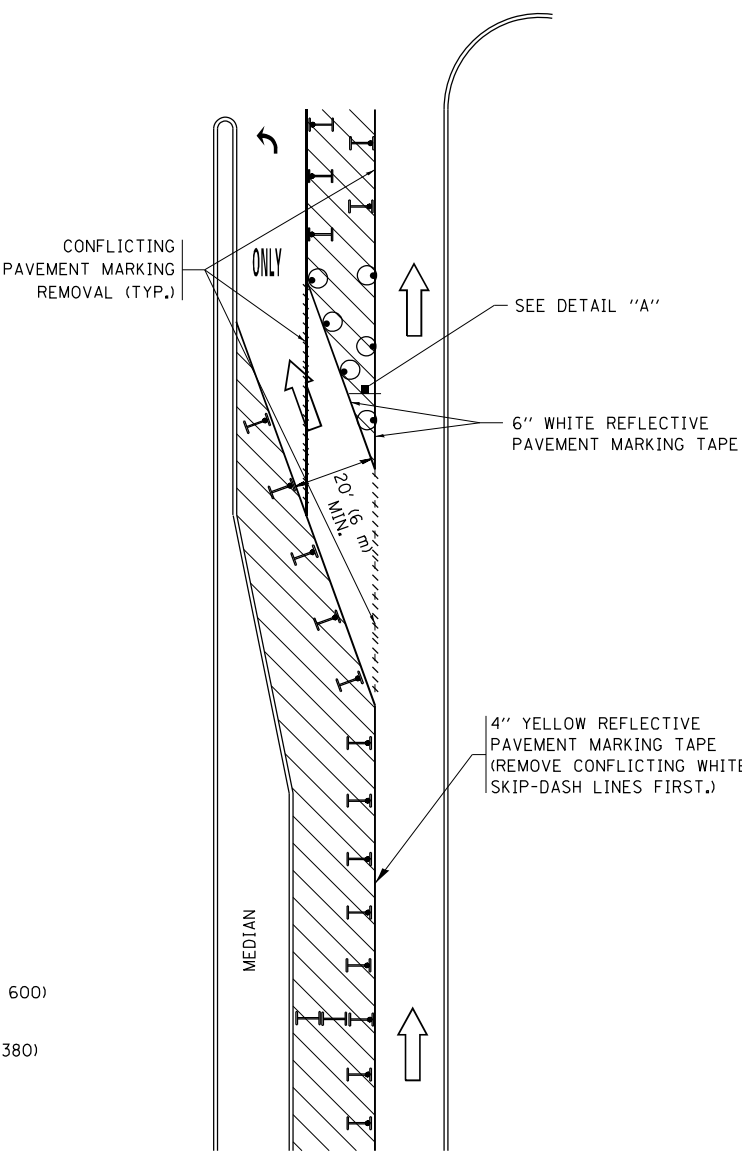
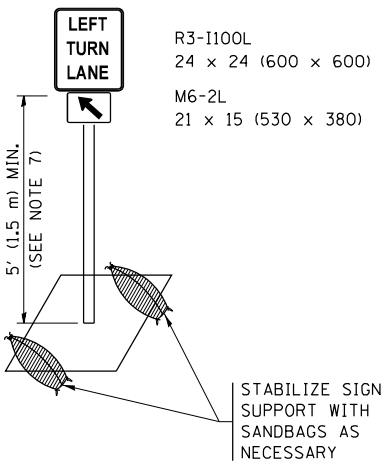


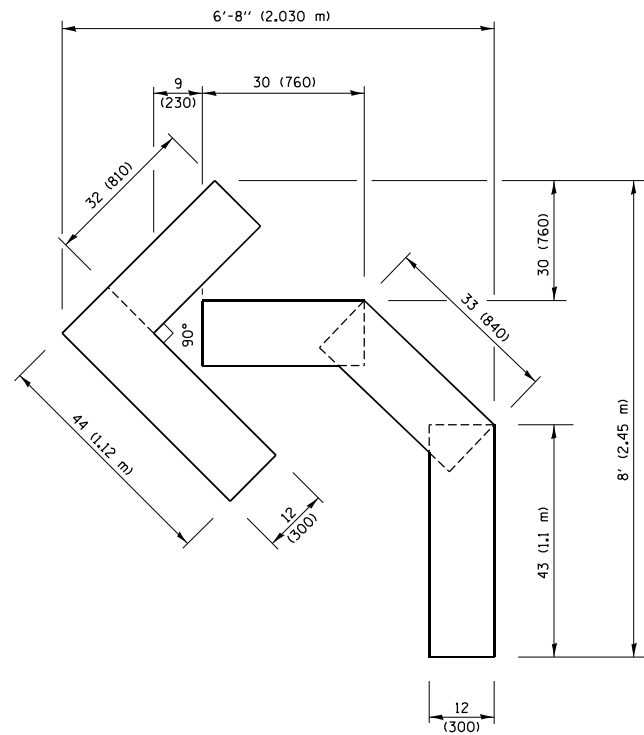
FIGURE 2



DETAIL A

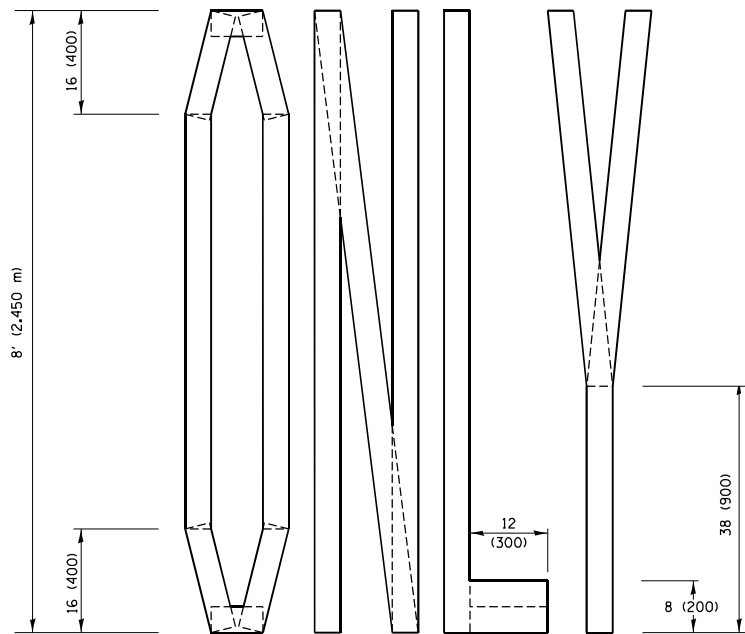
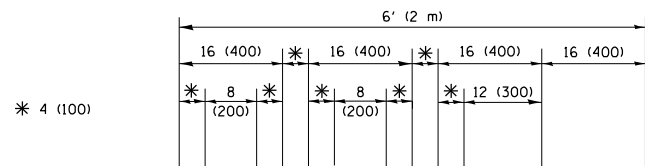
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = footemj	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)				F.A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\JL084EBIDINTEG\Illinois.gov\PI\DOT\Documents\IDOT Offices\District 1\Projects\District 1\ADDData\CHOUSEH\11-07-95		REVISED - A. SCHUETZE 07-01-13	REVISED - A. SCHUETZE 07-01-13		344	2025-2069-RS	LAKE	50	46				
Default	PLOT SCALE = 50.0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16		TC-14		CONTRACT NO.		80B50				
	PLOT DATE = 9/15/2016	REVISED - T. RAMMACHER 01-06-00	REVISED -		ILLINOIS FED. AID PROJECT								
					SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.			



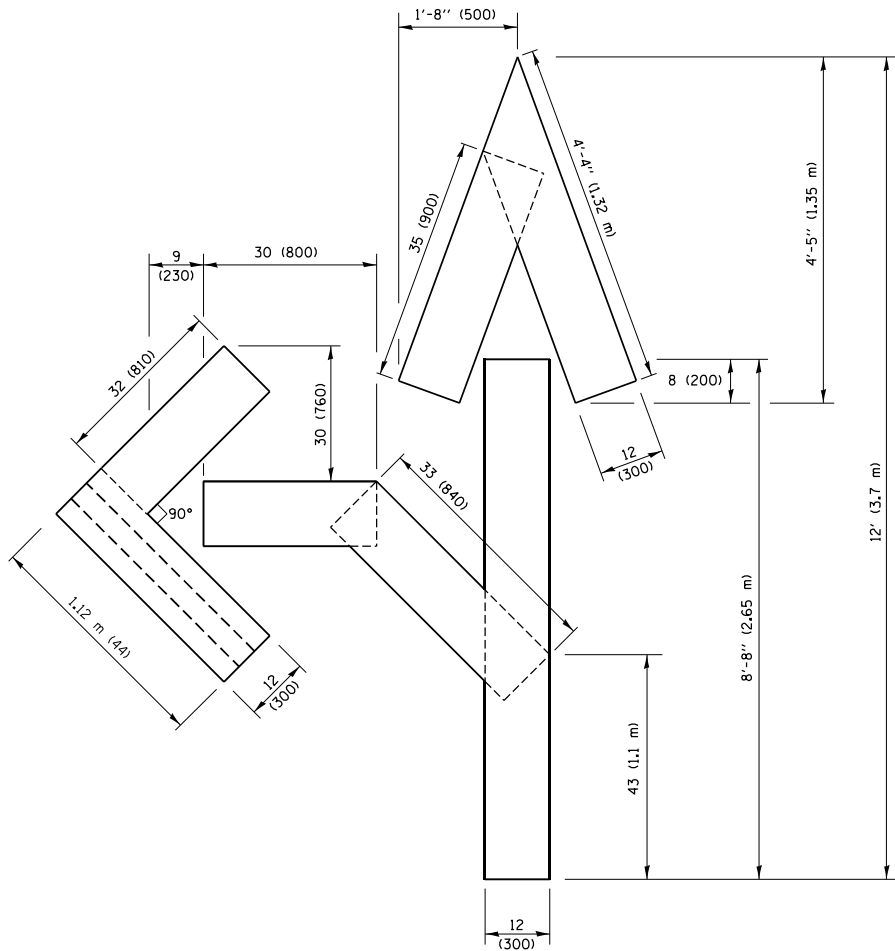
QUANTITY

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



QUANTITY

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

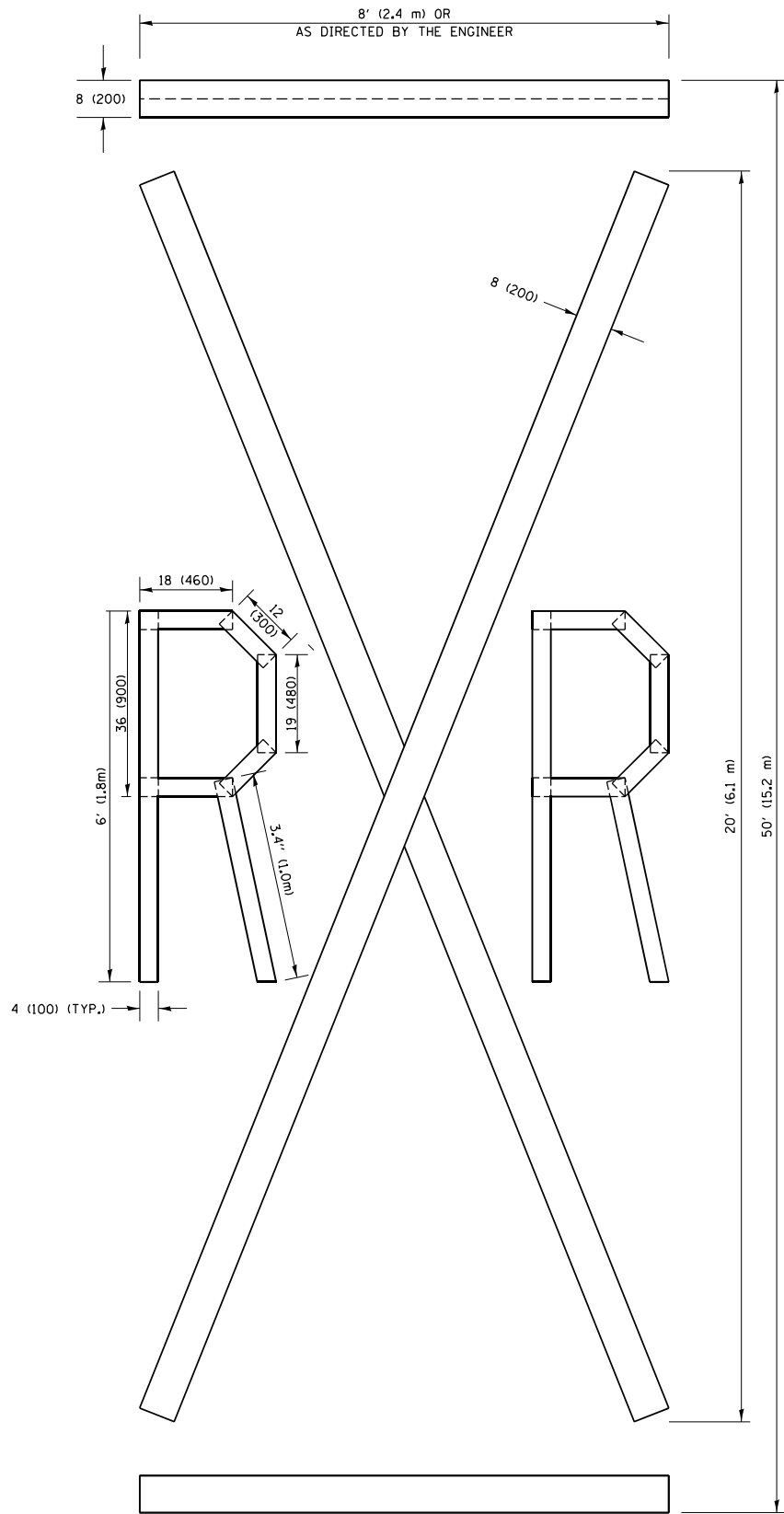


QUANTITY

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.

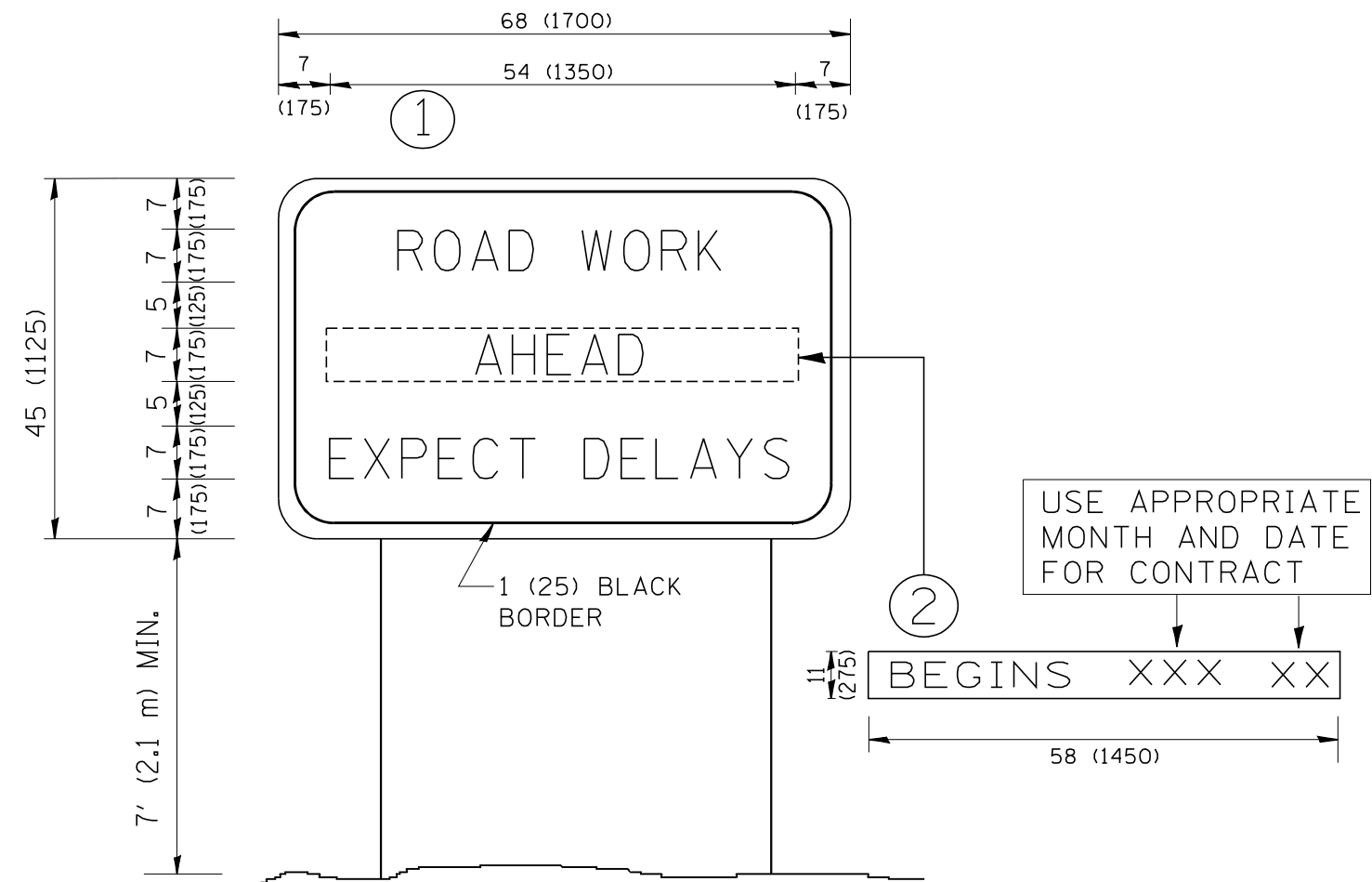


QUANTITY

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.

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED -T. RAMMACH 03-02-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\CD\DATA\CAD\Sheets\tc16.dgn		REVISED -E. GOMEZ 08-28-00						344	2025-2069-RS	LAKE	50	47
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -E. GOMEZ 08-28-00	TC-16			CONTRACT NO. 80B50						
PLOT DATE = 9/15/2016	DATE - 09-18-94	REVISED -A. SCHUETZE 09-15-16	SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

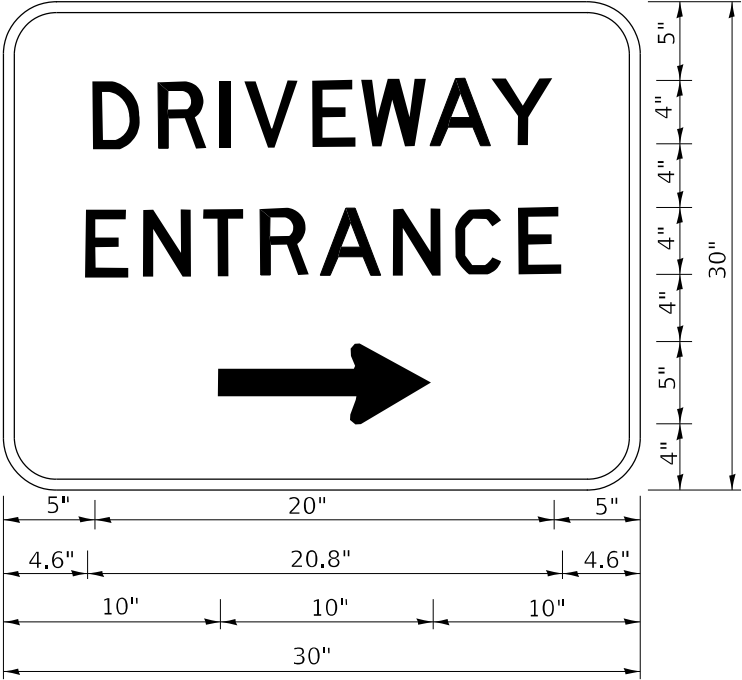


NOTES:

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.

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

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = goglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. MIRS 12-11-97					344	2025-2069-RS	LAKE	50	48
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99		TC-22			CONTRACT NO.		80B50		
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

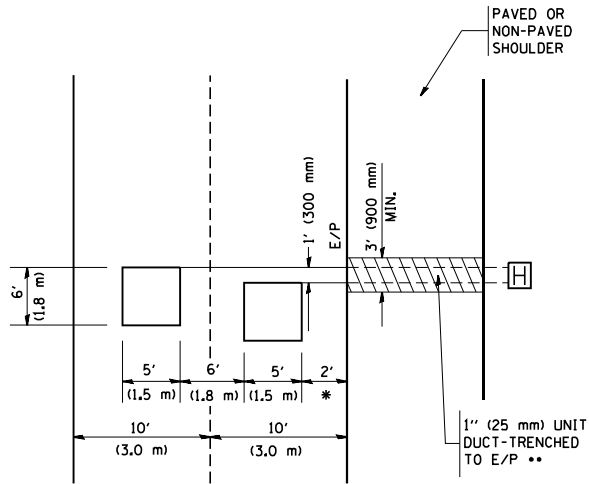
- NOTES:
1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
 2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN)
SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
FAR LEFT SIDE OF THE DRIVEWAY.
 3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

MODEL: Default
FILE NAME: p:\projects\2025\2025-2069-RS\DOT Documents\DOT Office\District 1\Projects\2025\2025-2069-RS\DOT Documents\2025-2069-RS\2025-2069-RS.dgn

	USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY ENTRANCE SIGNING					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50,0000 ' / in.	DRAWN -	REVISED -							344	2025-2069-RS	LAKE	50	49
	PLOT DATE = 8/6/2021	CHECKED -	REVISED -		SCALE: NONE			TC-26						
		DATE -	REVISED -		SHEET 1 OF 1 SHEETS			CONTRACT NO. 80B50						
					STA. TO STA.			ILLINOIS FED. AID PROJECT						

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT
NOTE WHICH SHOULD EQUAL
3' (900 mm) X WIDTH OF
PAVED SHOULDER.



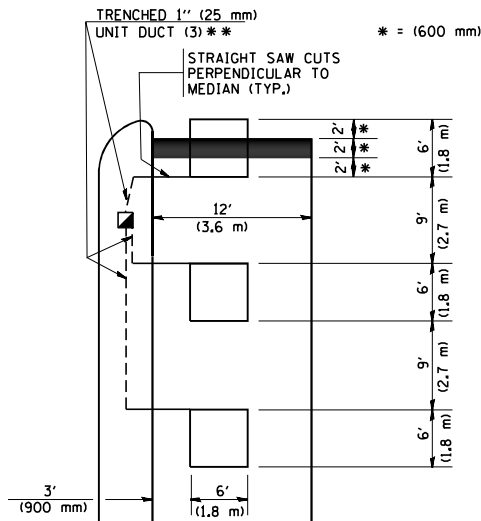
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS
BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY
VARY DEPENDING ON GEOMETRICS
AND DESIGN OF TRAFFIC SIGNALS.
HEAVY-DUTY HANDHOLES TO BE
USED WHEN THE MEDIAN IS
MOUNTABLE. REFER TO STANDARD
814001 TO ENSURE THAT HANDHOLE
FITS IN MEDIAN.

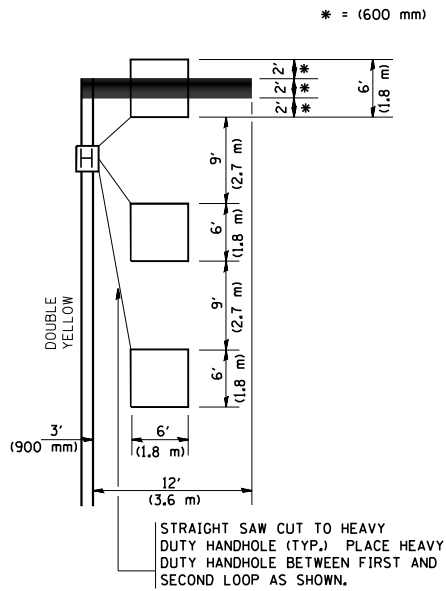


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS
BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

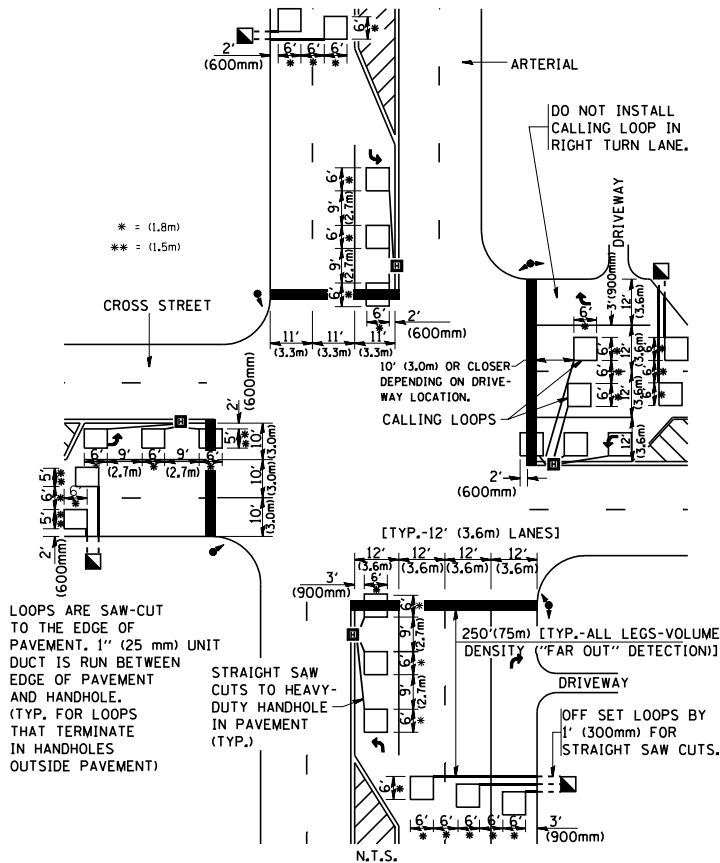
LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)



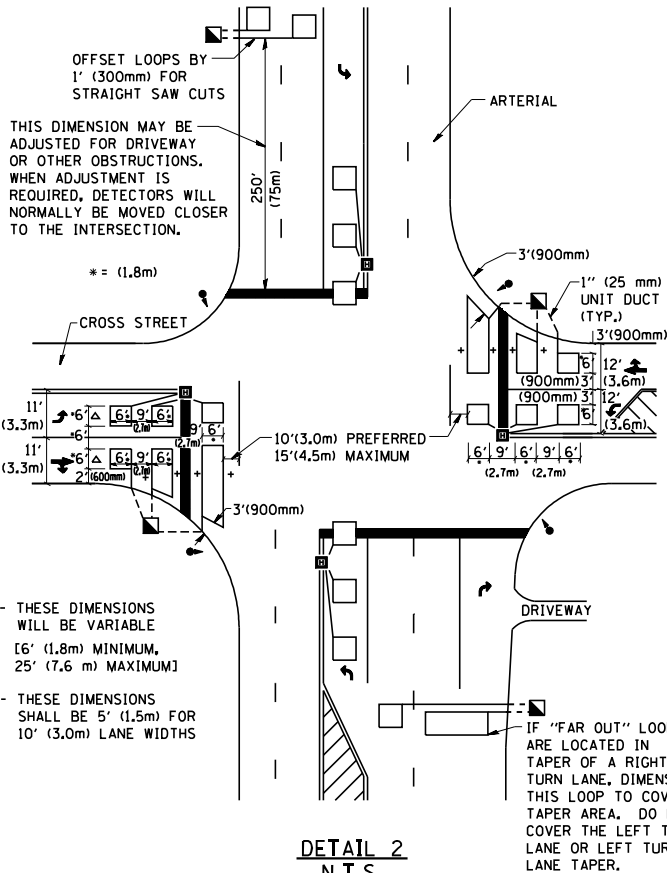
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME = W:\diststd\22x34\ts07.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 – DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING			F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					344	2025-2069-RS	LAKE	50	50
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - R.K.F.	REVISED -					TS-07		CONTRACT NO.	80B50	
	PLOT DATE = 1/4/2008	DATE -	REVISED -					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
					SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.		