

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE
VILLAGE OF CHICAGO HEIGHTS, AND
THE VILLAGE OF PARK FOREST

TRAFFIC DATA:

WESTERN AVENUE:

US 30 (LINCOLN HWY) TO STEGER ROAD:

ADT (2018) = 14,300

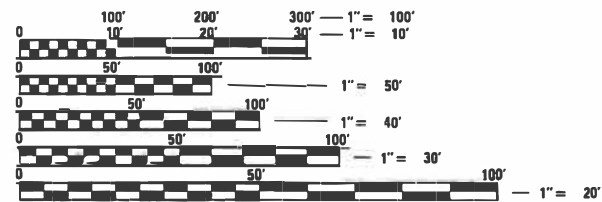
SPEED LIMIT = 35 - 40 MPH

SAUK TRAIL:

TORRENCE AVENUE TO US 30 (LINCOLN HWY):

ADT (2018) = 8,150

SPEED LIMIT = 45 MPH



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 EXCAVATORS
1-800-892-0123
OR 811

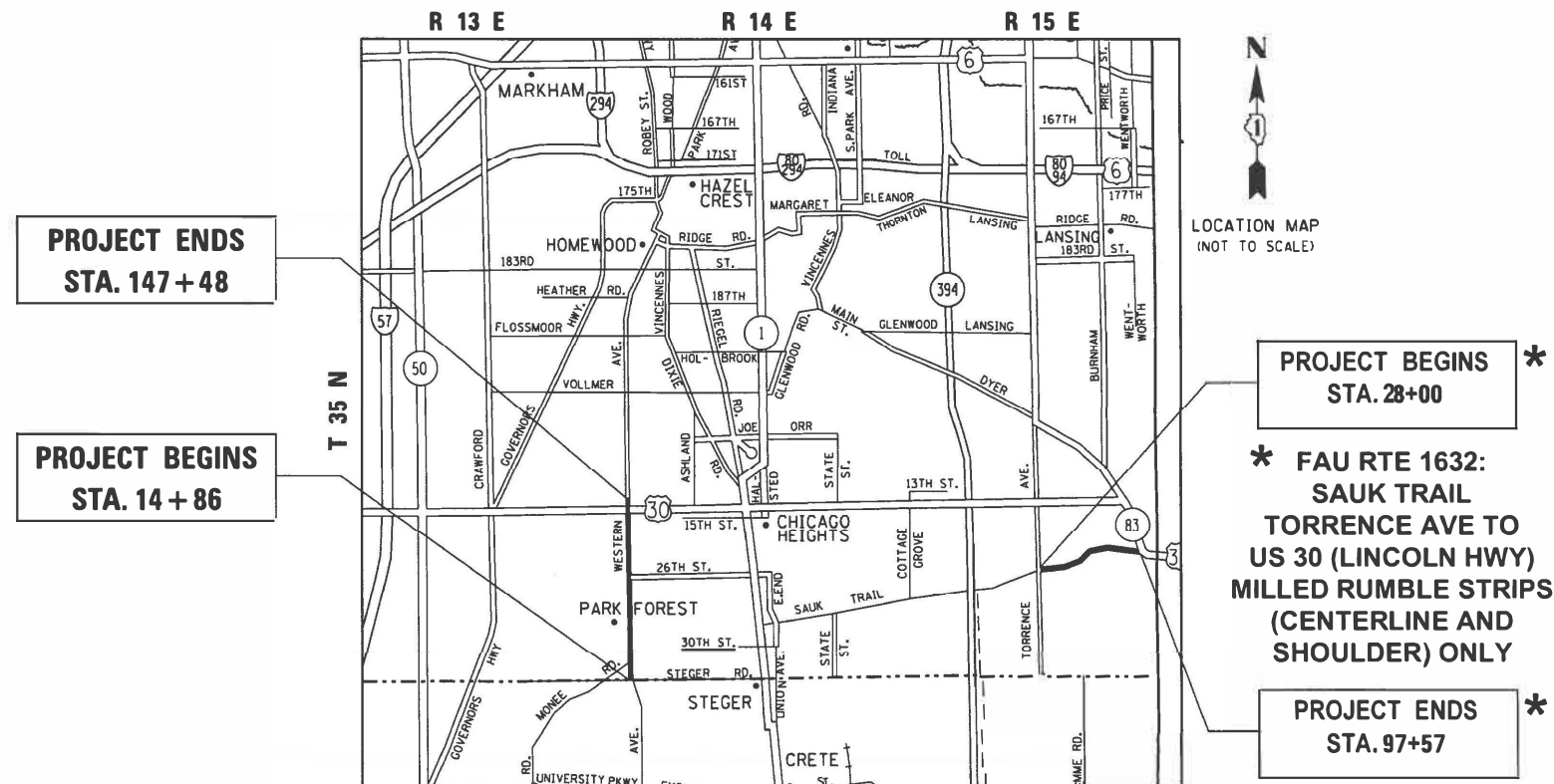
PROJECT ENGINEER : VESELIN VELICHKOV (847) 705-4432

PROJECT MANAGER: FAWAD AQUEEL

CONTRACT NO. 62N98

PROPOSED
HIGHWAY PLANS
FAU ROUTE 2845: WESTERN AVENUE*
US 30 (LINCOLN HIGHWAY) TO STEGER ROAD
SECTION: 2021-085-RS
PROJECT: STP-CX3A(120)
STANDARD OVERLAY, ADA IMPROVEMENTS
COOK COUNTY

C-91-217-21



BLOOM, RICH TOWNSHIPS

WESTERN AVE: GROSS LENGTH = 13,262 FT = 2.51 MILES

NET LENGTH = 13,162 FT = 2.49 MILES

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	2021-085-RS	COOK	61	1
		ILLINOIS	CONTRACT NO. 62N98	

D-91-181-21



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 1, 2022

Jose Luis Lopez
REGIONAL ENGINEER

March 25, 2022

Stephen M. Lipp
ENGINEER OF DESIGN AND ENVIRONMENT

March 2, 2022

Stephen M. Lipp
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES

SHEET NO.	DESCRIPTION	STANDARD NO.	DESCRIPTION	
1	COVER SHEET	000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS	1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)
2	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES	424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS	2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, CITY OF CHICAGO HEIGHTS, AND VILLAGE OF PARK FOREST
3-6	SUMMARY OF QUANTITIES	424021-06	DEPRESSED CORNER FOR SIDEWALKS	3. 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.
7-9	TYPICAL SECTIONS	442201-03	CLASS C AND D PATCHES	4. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
10-18	ROADWAY AND PAVEMENT MARKING PLANS	482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS	5. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
19-26	DETECTOR LOOP REPLACEMENT PLAN	604001-05	FRAME AND LIDS, TYPE 1	6. UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE RESIDENT ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
27	SCHEDULE OF QUANTITIES	604091-05	FRAME AND GRATE TYPE 24	7. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE ASSHOWN ON THE PLANS OR DIRECTED BY THE RESIDENT ENGINEER.
28-39	CURB RAMPS IMPROVEMENT	606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER	8. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH. WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1V:3H.
40-44	ADA PD DETAILS	642001-03	SHOULDER RUMBLE STRIPS, 8 IN.	9. 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.
45	BD-01: DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB OR EDGE OF SHOULDER GREATER THAN OR EQUAL TO 15' (4.5 M)	642006-01	SHOULDER RUMBLE STRIPS, 8 IN.	10. 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.
46	BD-02: DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB IS LESS THAN 15' (4.5 M)	701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE	11. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND 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.
47	BD-08: DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING	701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY	12. LOCATIONS 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 RESIDENT ENGINEER / TECHNICIAN.
48	BD-22: PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE	13. CATCH BASINS, MANHOLES, INLETS, DRAINAGE STRUCTURES AND VALVE VAULTS ADJUSTMENT AND/OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER / TECHNICIAN.
49	BD-24: CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS	14. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
50	BD-32: BUTT JOINT AND HMA TAPER DETAILS	701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH	15. THE RESIDENT ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD ENGINEER, VIA E-MAIL AT PATRICE.HARRIS@ILLINOIS.GOV, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
51	BD-55: RUMBLE STRIPS FOR CENTERLINE, NON-FREEWAY	701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY	16. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
52	TC-10: TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS	701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS ≤ 40 MPH	17. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
53	TC-11: TYPICAL APPLICATIONS: RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)	701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED	18. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIME DURING CONSTRUCTION.
54	TC-13: DISTRICT ONE TYPICAL PAVEMENT MARKINGS	701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE	19. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
55	TC-14: CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN	20. ALL MILED SURFACES SHALL BE AT UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
56	TC-16: SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS	701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE	21. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
57	TC-22: ARTERIAL ROAD INFORMATION SIGN	701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN	
58-59	TC-23: TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS	701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION	
60	TC-26: DRIVEWAY ENTRANCE SIGNING	701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE	
61	TS-07: DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING	701901-08	TRAFFIC CONTROL DEVICES	
		814001-03	HANDHOLES	
		886001-01	DETECTOR LOOP INSTALLATIONS	
		886006-01	TYPICAL LAYOUT FOR DETECTOR LOOPS	

	USER NAME	= qarutnm	DESIGNED	-	REVISED	-	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WESTERN AVE: US 30 (LINCOLN HWY) TO STEGER RD INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES	SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN	-	REVISED	-									2845	2021-085-RS	COOK	61	2
	PLOT SCALE	= 100,0000 " / in.	CHECKED	-	REVISED	-									CONTRACT NO. 62N98				
	PLOT DATE	= 3/18/2022	DATE	-	REVISED	-									ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE							
CODE NO	ITEM	UNIT		WESTERN AVE 80% FED 20% STATE 0005	WESTERN AVE 100% STATE 0005	SAUK TRAIL 100% STATE 0021				CODE NO	ITEM	UNIT		WESTERN AVE 80% FED 20% STATE 0005	WESTERN AVE 100% STATE 0005	SAUK TRAIL 100% STATE 0021					
20200100	EARTH EXCAVATION	CU YD	55	55						42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5	SO FT	2650	2650							
											INCH										
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	180	180																	
										42400800	DETECTABLE WARNINGS	SO FT	320	320							
25200110	SODDING, SALT TOLERANT	SO YD	180	180																	
										44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SO YD	740	740							
25200200	SUPPLEMENTAL WATERING	UNIT	2	2																	
										44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2	SO YD	100800	100800							
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	325	325							1/4"										
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	68040	68040						44000600	SIDEWALK REMOVAL	SO FT	2650	2650							
40600370	LONGITUDINAL JOINT SEALANT	FOOT	55000	55000						44003510	MEDIAN REMOVAL PARTIAL DEPTH	SO FT	2645	2645							
40600400	MIXTURE FOR CRACKS, JOINTS, AND	TON	155	155						44201777	CLASS D PATCHES, TYPE II, 11 INCH	SO YD	410	410							
	FLANGEWAYS																				
										44201781	CLASS D PATCHES, TYPE III, 11 INCH	SO YD	280	280							
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT	SO YD	580	580																	
	JOINT									44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SO YD	1555	1555							
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER	TON	4160	4160						60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	10	10							
	COURSE, IL-4.75, N50																				
										60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1	EACH	1	1							
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5,	TON	120	120							FRAME, CLOSED LID										
	MIX "D", N50																				
										60260100	INLETS TO BE ADJUSTED	EACH	40	40							
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5,	TON	8470	8470																	
	MIX "D", N70									60261540	INLETS TO BE ADJUSTED WITH NEW TYPE 24	EACH	9	9							
											FRAME AND GRATE										
42001300	PROTECTIVE COAT	SO YD	540	540																	
										60266600	VALVE BOXES TO BE ADJUSTED	EACH	8	8				* = SPECIALTY ITEMS △ = NON-PARTICIPATING WORK (100% STATE)			
FILE NAME =		USER NAME = qorutrm		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			WESTERN AVE: US 30 (LINCOLN HWY) TO STEGER RD SUMMARY OF QUANTITIES				F.A.U. RTE.		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 2/10/2022		DATE -		REVISED -																	
SCALE:		SHEET NO.		OF		SHEETS		STA.		TO STA.		FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		WESTERN AVE 80% FED 20% STATE 0005	WESTERN AVE 100% STATE 0005	SAUK TRAIL 100% STATE 0021			
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	5000	5000					
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	13914			13914			
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	55	55					
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5					
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION	LSUM	1	1					
	PLAN								
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION	LSUM	1	1					
	REPORT								
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	15	15					
67100100	MOBILIZATION	L SUM	1	1					
70100460	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1					
	STANDARD 701306								
70102620	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	0.9		0.1			
	STANDARD 701501								
70102622	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	0.9		0.1			
	STANDARD 701502								
70102625	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1					
	STANDARD 701606								

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		WESTERN AVE 80% FED 20% STATE 0005	WESTERN AVE 100% STATE 0005	SAUK TRAIL 100% STATE 0021			
70102630	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1					
	STANDARD 701601								
70102632	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1					
	STANDARD 701602								
70102635	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	0.9		0.1			
	STANDARD 701701								
70102640	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1					
	STANDARD 701801								
70300100	SHORT TERM PAVEMENT MARKING	FOOT	59000	59000					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	28100	28100					
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND	SO FT	2070	2070					
	SYMBOLS - PAINT								
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" -	FOOT	41570	41570					
	PAINT								
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" -	FOOT	8800	8800					
	PAINT								
70300251	TEMPORARY PAVEMENT MARKING - LINE 8" -	FOOT	320	320					
	PAINT								
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	6700	6700					
	PAINT								

FILE NAME		DESIGNED		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				WESTERN AVE: US 30 (LINCOLN HWY) TO STEGER RD SUMMARY OF QUANTITIES				F.A.U. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = 2/10/2022		DATE -		REVISED -																

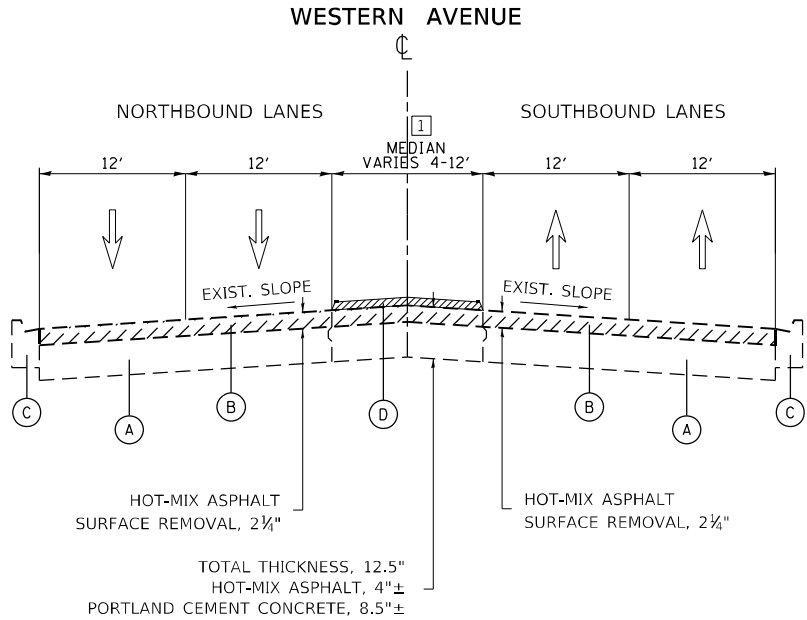
* = SPECIALTY ITEMS
△ = NON-PARTICIPATING
WORK (100% STATE)

FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62N98				

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70300281	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1460	1460						*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL	EACH	2	2															
	PAINT											INSTALLATION																		
70306120	TEMPORARY PAVEMENT MARKING - LINE	FOOT	29500	29500						*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	5470	5470															
	4" - TYPE III TAPE																													
										*	89500400	RELOCATE EXISTING PEDESTRIAN	EACH	7	7															
78000100	THERMOPLASTIC PAVEMENT MARKING -	SQ FT	2070	2070								PUSH-BUTTON																		
	LETTERS AND SYMBOLS																													
										*	89502376	REBUILD EXISTING HANDHOLE	EACH	2	2															
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	41570	41570																										
	4"										X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1															
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	8800	8800							X0326898	CENTER LINE - RUMBLE STRIP - 16"	FOOT	6960			6960													
	6"																													
											X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	5000	5000															
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	320	320																										
	8"										X4400501	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2673	2673															
												AND REPLACEMENT LESS THAN OR EQUAL TO																		
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	6700	6700								10 FEET																		
	12"																													
										△	X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	2550		2550														
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	1460	1460																										
	24"										X6030310	FRAMES AND LIDS TO BE ADJUSTED	EACH	85	85															
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1710	1275		435						(SPECIAL)																		
78300200	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1710	1275		435					X6700407	ENGINEER'S FIELD OFFICE TYPE A (D1)	CAL MO	12	12															
	REMOVAL																													
										*	X7800815	HOT SPRAY THERMOPLASTIC PAVEMENT	FOOT	6960			6960													
78300202	PAVEMENT MARKING REMOVAL - WATER	SQ FT	2870			2870						MARKING LINE - 4 INCH																		
	BLASTING																													
FILE NAME =			USER NAME = qorutrm		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				WESTERN AVE: US 30 (LINCOLN HWY) TO STEGER RD SUMMARY OF QUANTITIES					F.A.U. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.							
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PLOT SCALE = 100.0000 ' / 1 in.			CHECKED -		REVISED -		CONTRACT NO. 62N98																							
PLOT DATE = 2/10/2022			DATE -		REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT																							
																			SCALE:			SHEET NO.		OF	SHEETS		STA.	TO STA.		

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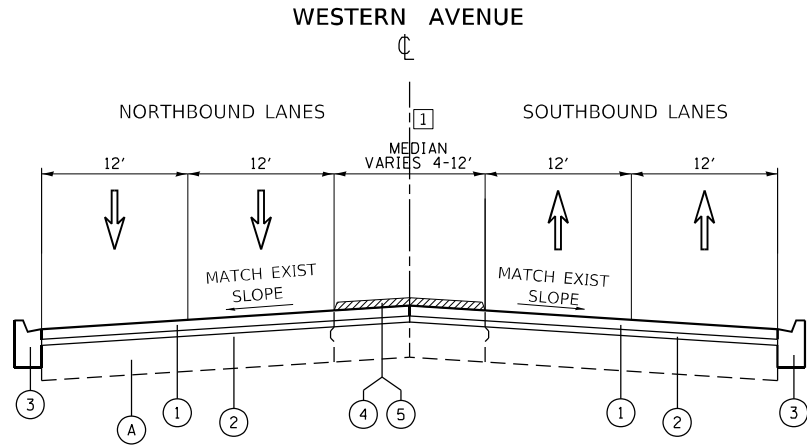
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EXISTING TYPICAL SECTION

STA 14+86 - STA 24+80
STA 104+50 - STA 109+00

1 = PORTLAND CEMENT CONCRETE MEDIAN



PROPOSED TYPICAL SECTION

STA 14+86 - STA 24+80
STA 104+50 - STA 109+00

1 = PORTLAND CEMENT CONCRETE MEDIAN

LEGEND - EXISTING:

- A PORTLAND CEMENT CONCRETE PAVEMENT 9"-7"-9"
- B HOT-MIX ASPHALT PAVEMENT 4.75"
- C COMBINATION CONCRETE CURB AND GUTTER
- D PORTLAND CEMENT CONCRETE MEDIAN 4"

NOTES:

- 1.) THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
- 2.) THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLY. HMA BINDER COURSE IL- 4.75 N50

LEGEND – PROPOSED

- 1 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 1/2"
- 2 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- 3 COMBINATION CONCRETE CURB AND GUTTER B-6.12
- 4 CONCRETE MEDIAN SURFACE REMOVAL
- 5 CONCRETE MEDIAN SURFACE, 4"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS @ Ndes	
PAVEMENT RESURFACING (WESTERN AVENUE)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 1/2 "	4.0% AT 70 GYR	PFP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4 "	3.5% AT 50 GYR.	QCP
DRIVEWAY		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4.0% AT 50 GYR.	QC/QA
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm) ; CE - 8"	4.0% AT 50 GYR.	QC/QA
MEDIANS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4.0% AT 50 GYR.	QC/QA
PATCHING		
CLASS D PATCHES (HOT-MIX ASPHALT BINDER IL-19 mm)	4.0% AT 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL / QUALITY ASSURANCE (QC/QA)		

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

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

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WESTERN AVE: US 30 (LINCOLN HWY) TO STEGER RD		TYPICAL SECTIONS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SCALE:		SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT
	2845		2021-085-R5	COOK	61	7	CONTRACT NO. 62N98		
	PLOT SCALE = 100,000 ' / in.		PLOT DATE = 3/18/2022	DESIGNED -	DRAWN -	CHECKED -	DATE -	REVISED -	REVISED -

(A) PORTLAND CEMENT CONCRETE PAVEMENT 9"-7"-9"

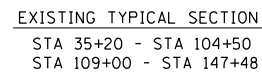
(B) HOT-MIX ASPHALT PAVEMENT 4.75"

(C) COMBINATION CONCRETE CURB AND GUTTER

(D) PORTLAND CEMENT CONCRETE CORRUGATED MEDIAN

- 1.) THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
- 2.) THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLY. HMA BINDER COURSE IL- 4.75 N50

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 1/2"
- ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- ③ COMBINATION CONCRETE CURB AND GUTTER B-6.12
- ④ MEDIAN REMOVAL PARTIAL DEPTH
- ⑤ CONCRETE MEDIAN SURFACE, 4"



PROPOSED TYPICAL SECTION
STA 35+20 - STA 104+50
STA 109+00 - STA 147+48

MODEL: Default
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		DRAWN -	REVISED -						2845	2021-085-RS	COOK	61	8
	PLOT SCALE = 100,0002 ' / in.	CHECKED -	REVISED -						CONTRACT NO. 62N98				
	PLOT DATE = 3/18/2022	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.			
											ILLINOIS FED. AID PROJECT		

MODEL: Default
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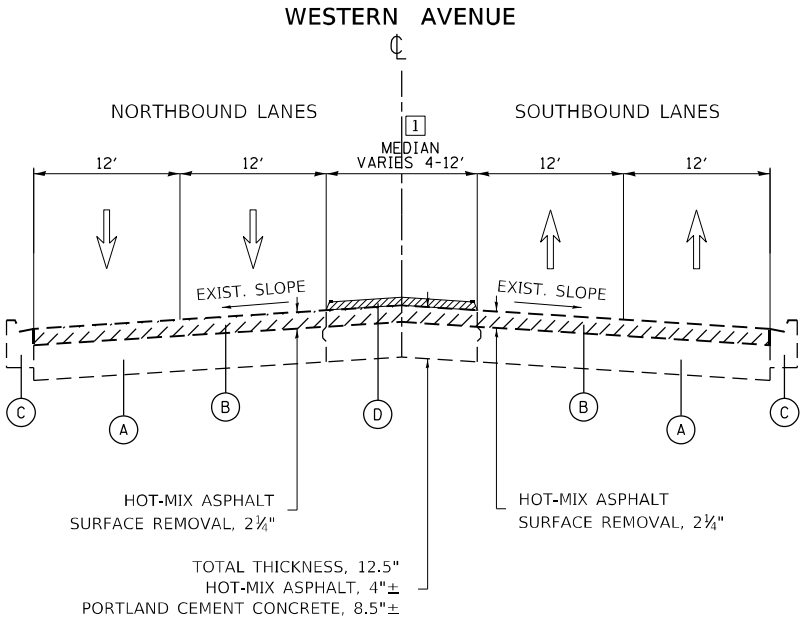
- (A) PORTLAND CEMENT CONCRETE PAVEMENT 9"-7"-9"
- (B) HOT-MIX ASPHALT PAVEMENT 4.75"
- (C) COMBINATION CONCRETE CURB AND GUTTER
- (D) PORTLAND CEMENT CONCRETE CORRUGATED MEDIAN

NOTES:

- 1.) THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
- 2.) THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLY. HMA BINDER COURSE IL- 4.75 N50

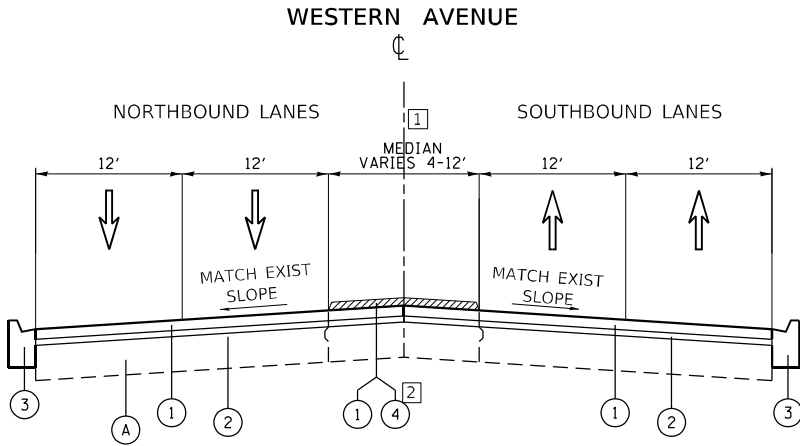
LEGEND – PROPOSED

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1½"
- ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"
- ③ COMBINATION CONCRETE CURB AND GUTTER B-6.12
- ④ MEDIAN REMOVAL PARTIAL DEPTH
- ⑤ CONCRETE MEDIAN SURFACE, 4"



EXISTING TYPICAL SECTION
STA 24+80 - STA 35+20

1 = PORTLAND CEMENT CONCRETE CORRUGATED MEDIAN

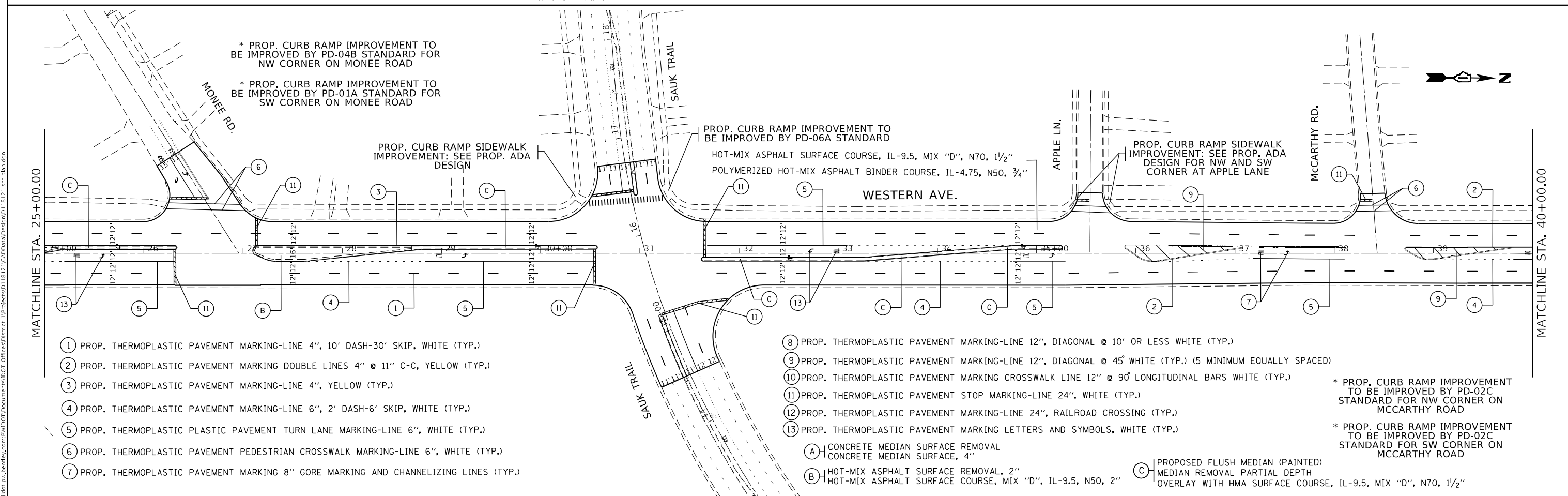
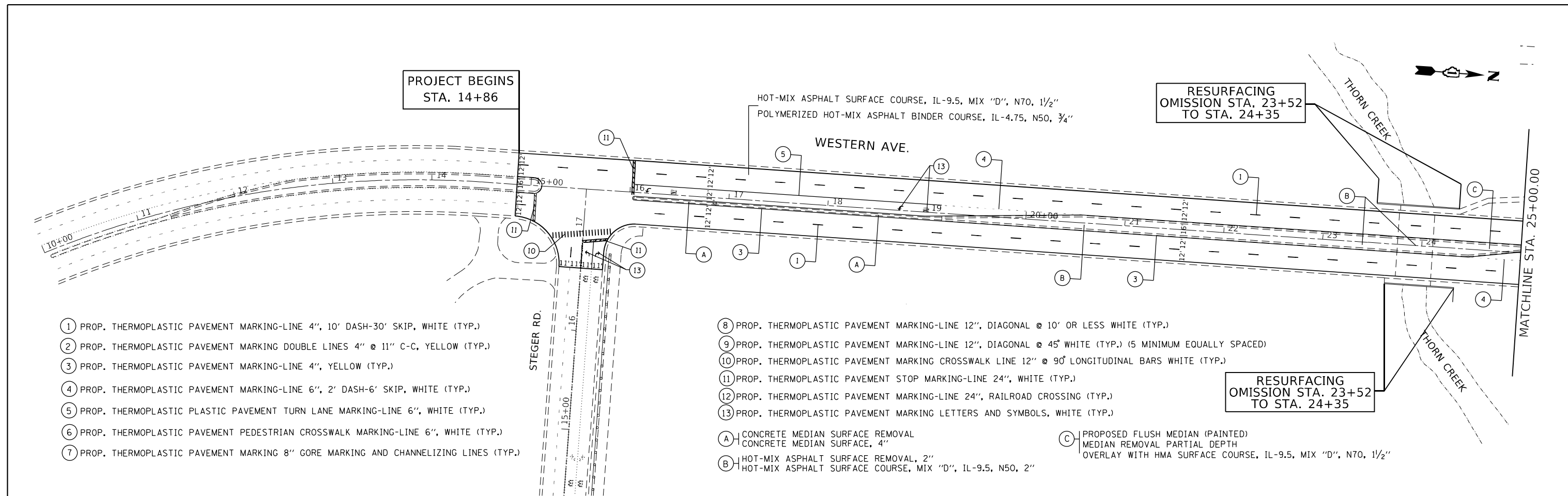


PROPOSED TYPICAL SECTION
STA 24+80 - STA 35+20

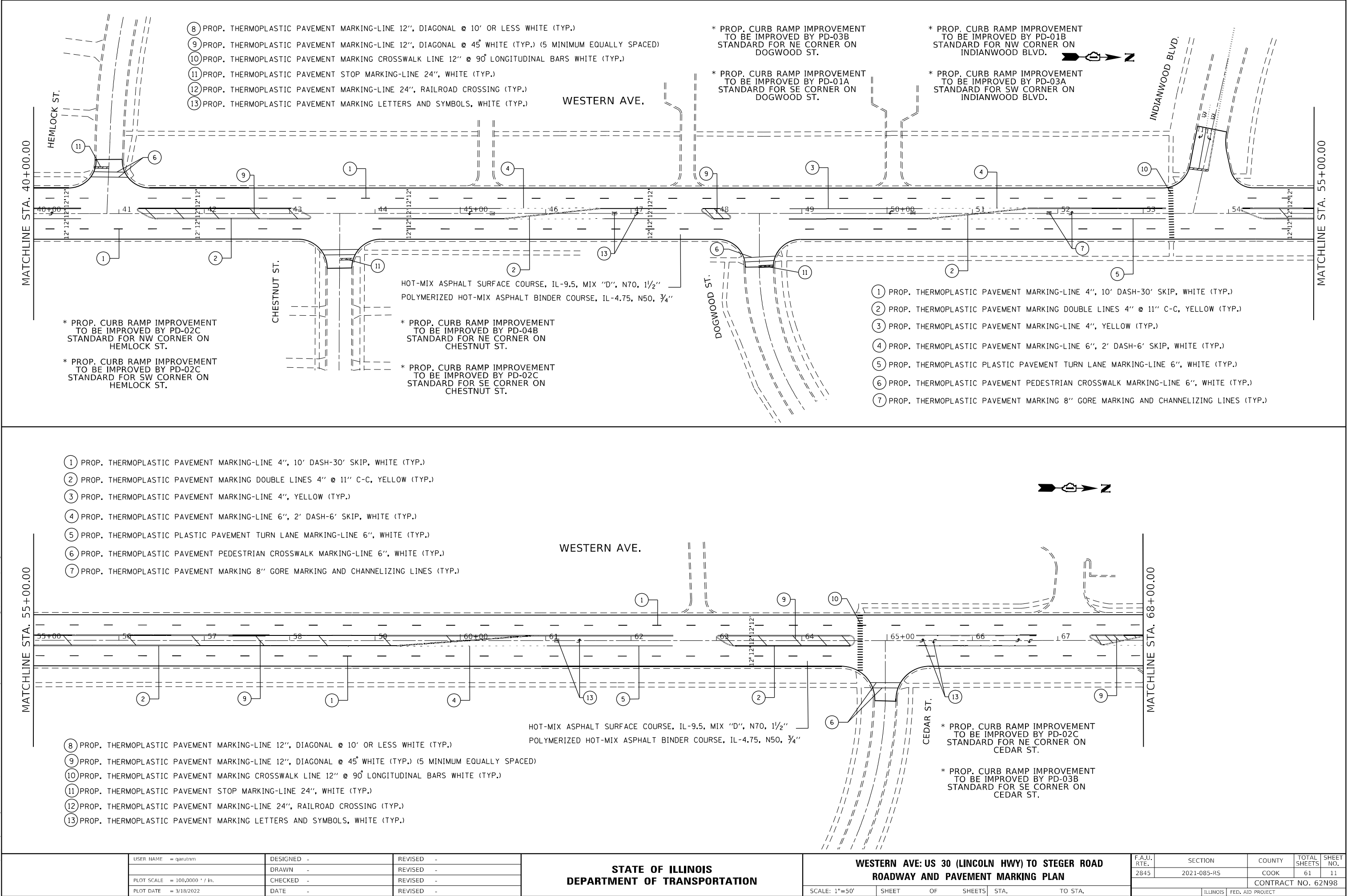
1 = PCC CORRUGATED MEDIAN

2 = PROPOSED FLUSH MEDIAN (PAINTED)
MEDIAN REMOVAL PARTIAL DEPTH
OVERLAY WITH HMA SURFACE COURSE,IL-9.5,MIX "D",N70,1 1/2"

	USER NAME = qarutnm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WESTERN AVE: US 30 (LINCOLN HWY) TO STEGER RD TYPICAL SECTIONS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				2845	2021-085-R5	COOK	61	9
	PLOT SCALE = 100,0002 ' / in.	CHECKED -	REVISED -				CONTRACT NO. 62N98				
	PLOT DATE = 3/18/2022	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
SCALE:		SHEET	OF	SHEETS	STA.	TO STA.					



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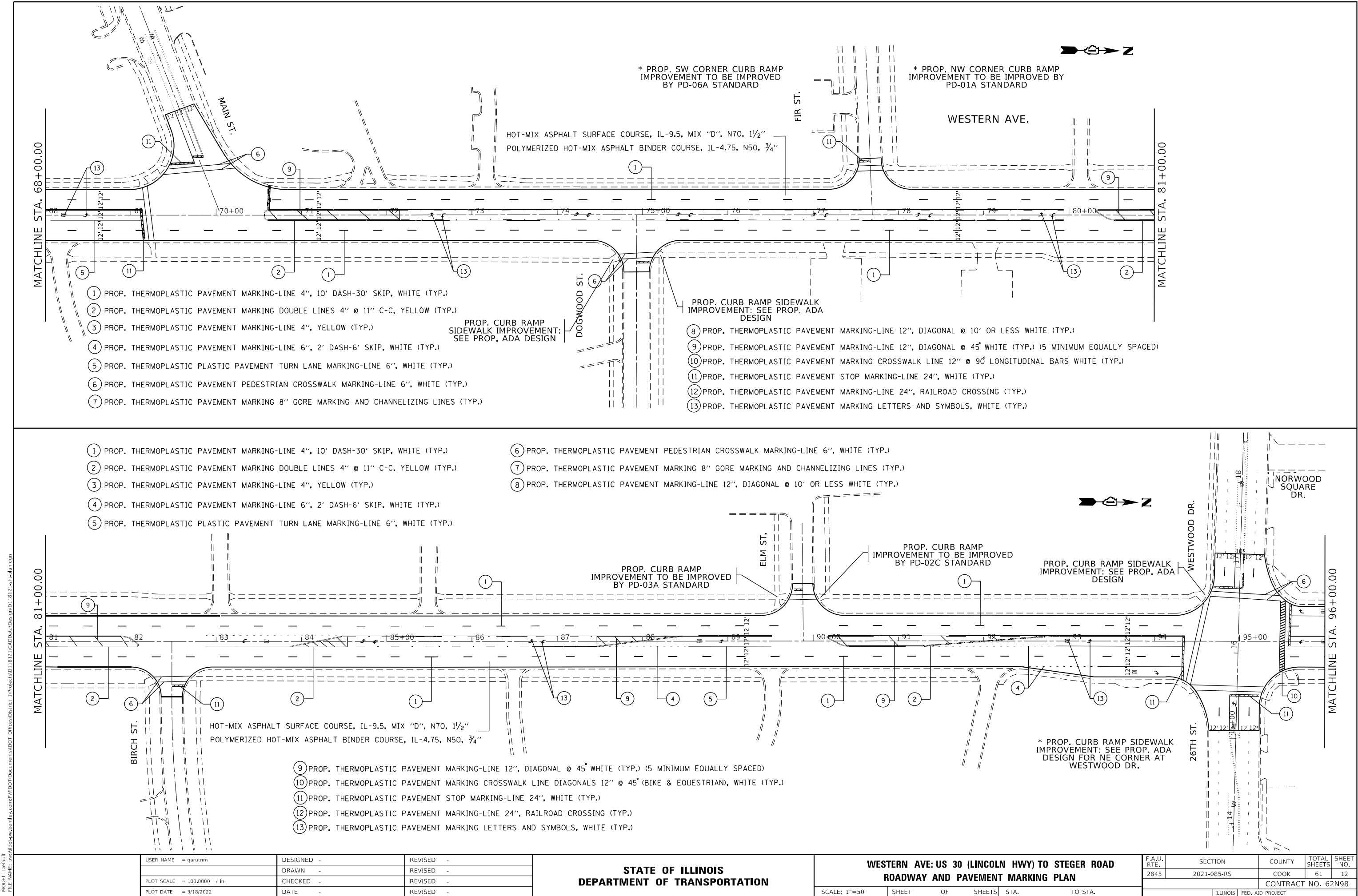
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WESTERN AVE: US 30 (LINCOLN HWY) TO STEGER ROAD
ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	2021-085-R5	COOK	61	11
CONTRACT NO. 62N98				
ILLINOIS FED. AID PROJECT				

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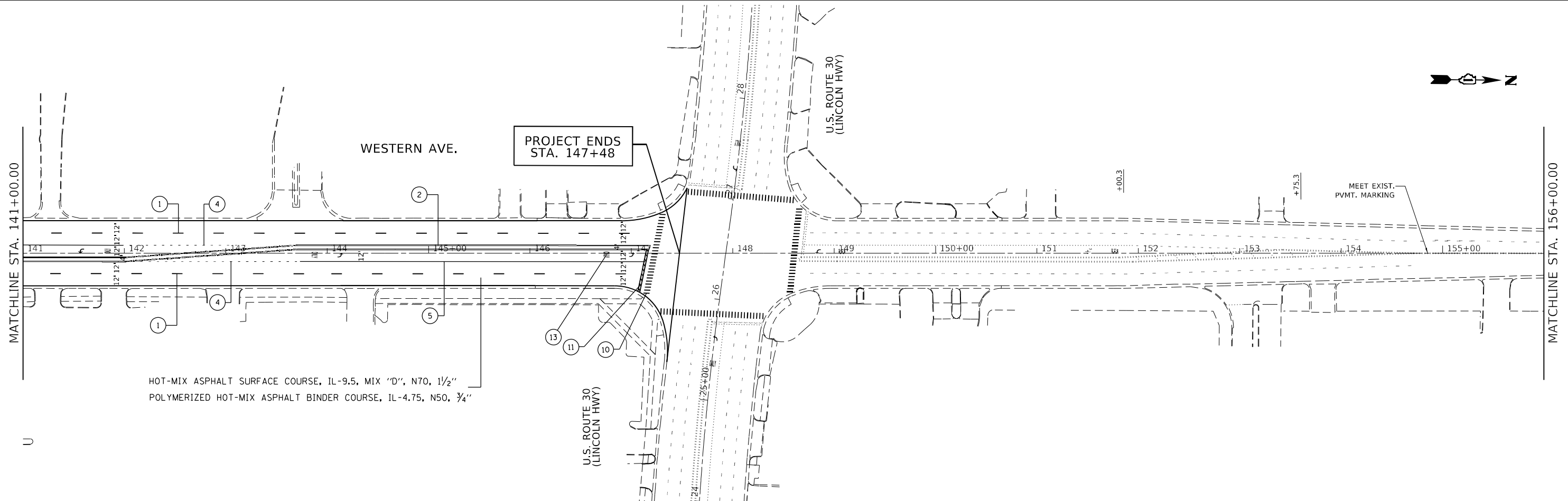
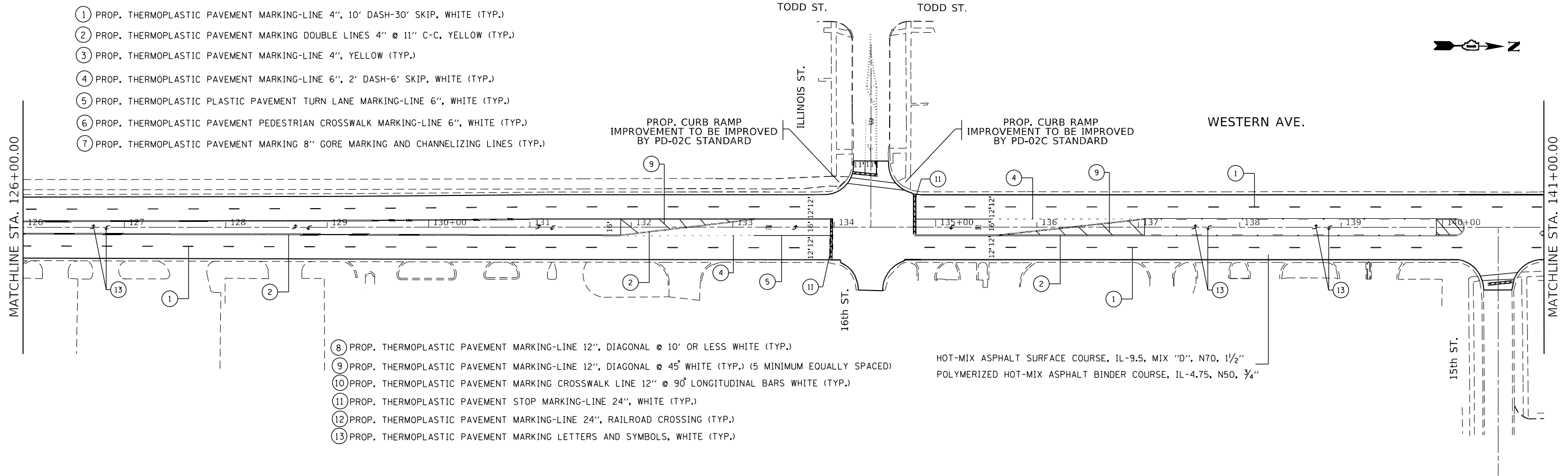


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- ① PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE (TYP.)
② PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)
③ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
④ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE (TYP.)
⑤ PROP. THERMOPLASTIC PLASTIC PAVEMENT TURN LANE MARKING-LINE 6", WHITE (TYP.)
⑥ PROP. THERMOPLASTIC PAVEMENT PEDESTRIAN CROSSWALK MARKING-LINE 6", WHITE (TYP.)
⑦ PROP. THERMOPLASTIC PAVEMENT MARKING 8" GORE MARKING AND CHANNELIZING LINES (TYP.)

- ⑧ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", DIAGONAL @ 10' OR LESS WHITE (TYP.)
⑨ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", DIAGONAL @ 45° WHITE (TYP.) (5 MINIMUM EQUALLY SPACED)
⑩ PROP. THERMOPLASTIC PAVEMENT MARKING CROSSWALK LINE 12" @ 90° LONGITUDINAL BARS WHITE (TYP.)
⑪ PROP. THERMOPLASTIC PAVEMENT STOP MARKING-LINE 24", WHITE (TYP.)
⑫ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 24", RAILROAD CROSSING (TYP.)
⑬ PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)

HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"



HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"

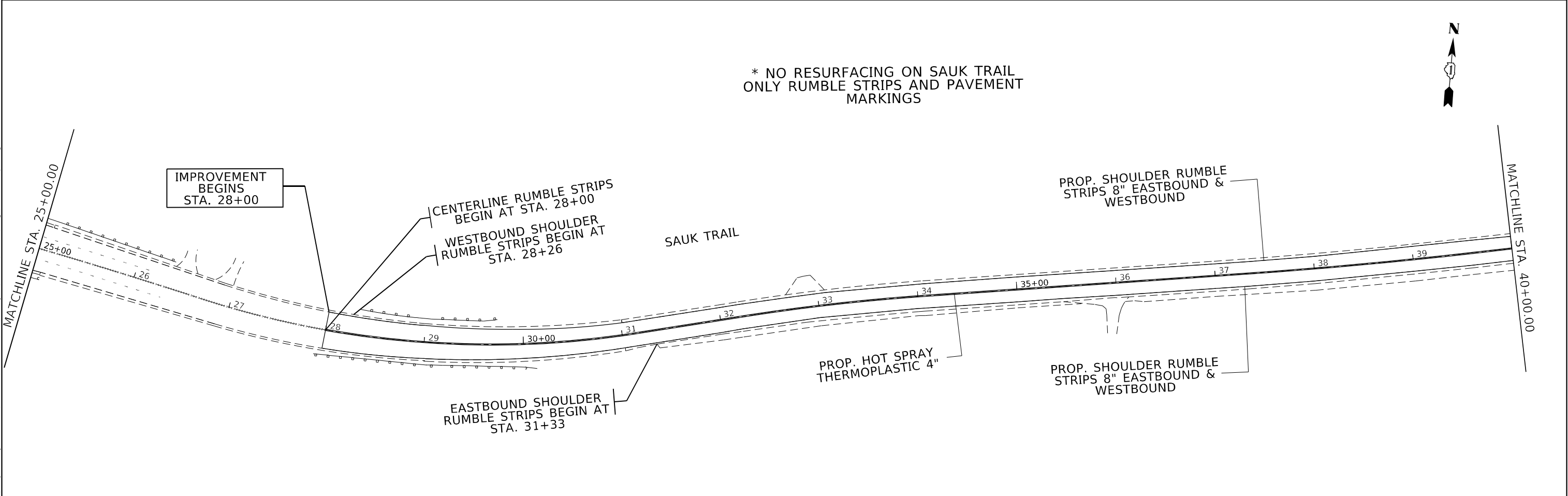
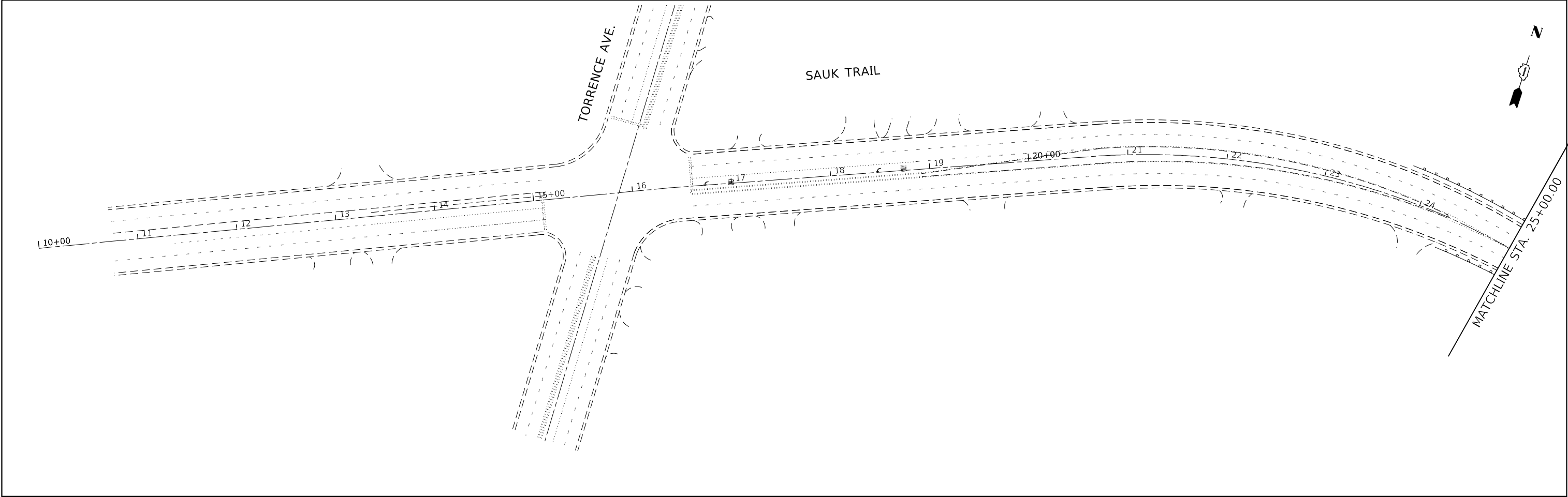
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PLOT SCALE = 100,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 3/18/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

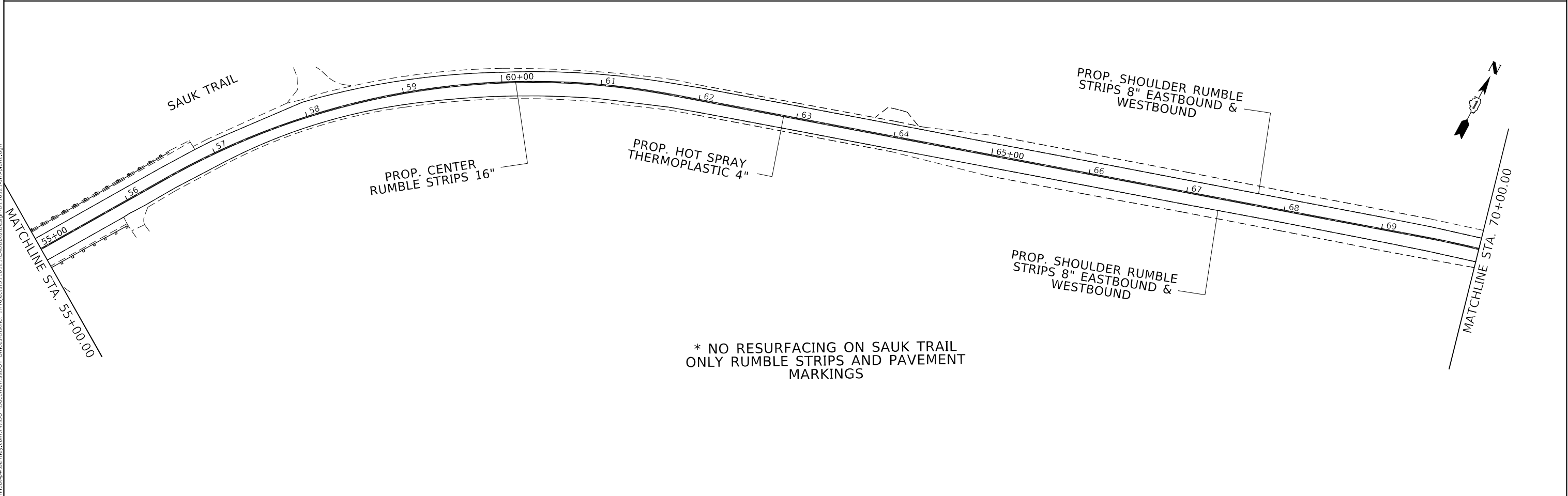
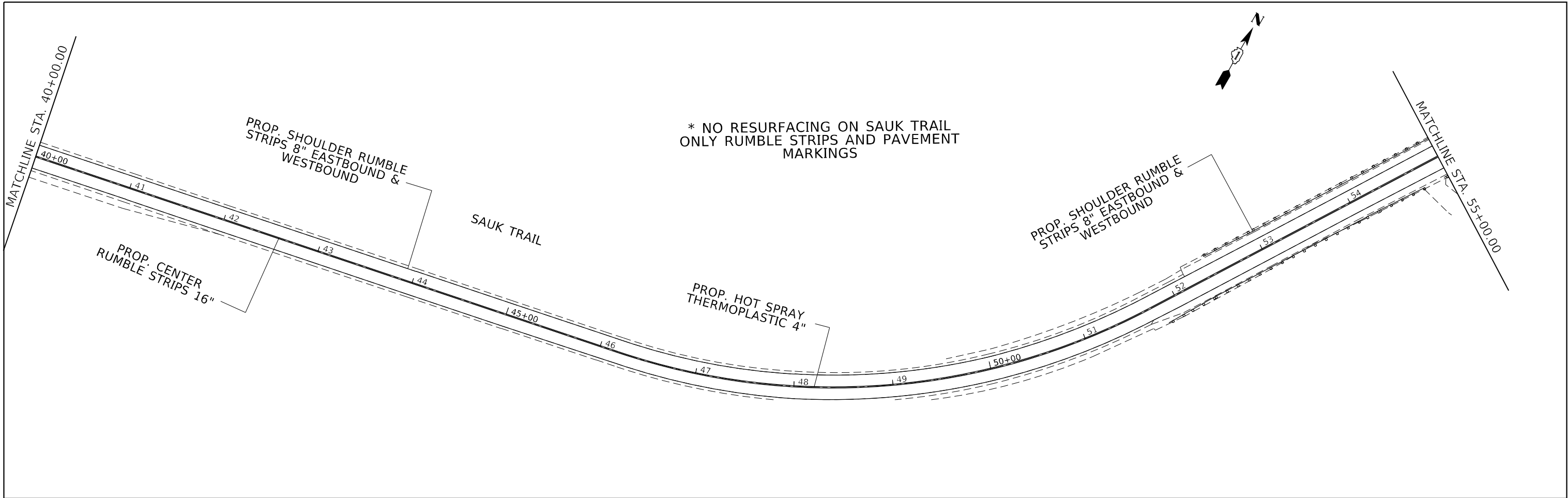
WESTERN AVE: US 30 (LINCOLN HWY) TO STEGER ROAD
ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	2021-085-R5	COOK	61	14
CONTRACT NO. 62N98				
ILLINOIS FED. AID PROJECT				



	USER NAME = qarutnm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SAUK TRAIL: TORRENCE AVENUE TO US 30 (LINCOLN HWY) ROADWAY AND PAVEMENT MARKING PLAN				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000 ' / in.	DRAWN -	REVISED -						1632	2021-085-R5	COOK	61	15
	PLOT DATE = 2/10/2022	CHECKED -	REVISED -		SCALE: 1"=50'				CONTRACT NO. 62N98				
		DATE -	REVISED -		SHEET 1 OF 4 SHEETS				STA. 10+00.00 TO STA. 40+00.00				
					ILLINOIS					FED. AID PROJECT			



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PROJECT: 1632-085-RS
DRAWN: 2/10/2022
DATE: 2/10/2022

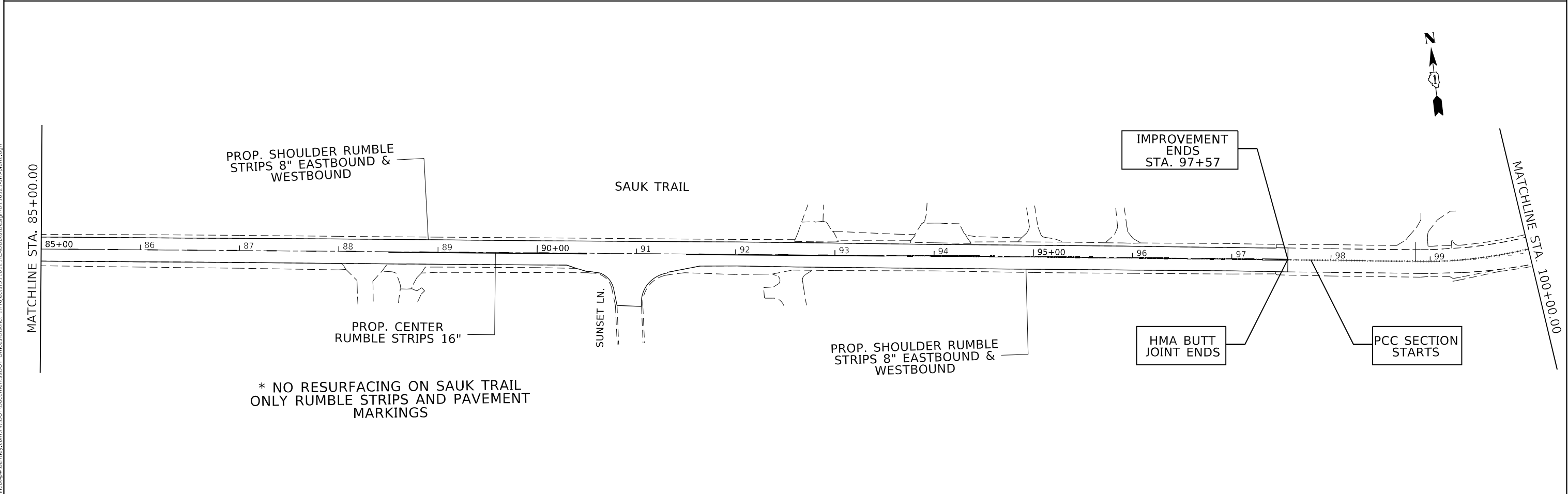
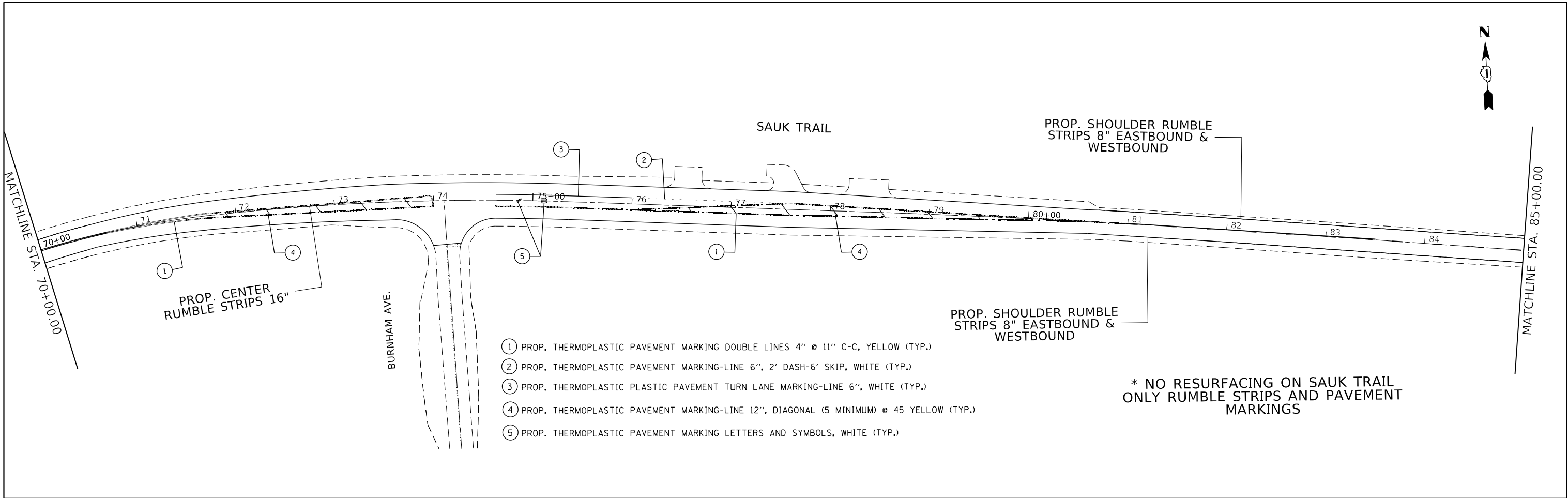
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DRAWN	-	REVIS	-	REVIS	-
PLOT SCALE	= 100,000 ' / in.	CHECKED	-	REVIS	-
PLOT DATE	= 2/10/2022	DATE	-	REVIS	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SAUK TRAIL: TORRENCE AVENUE TO US 30 (LINCOLN HWY)
ROADWAY AND PAVEMENT MARKING PLAN

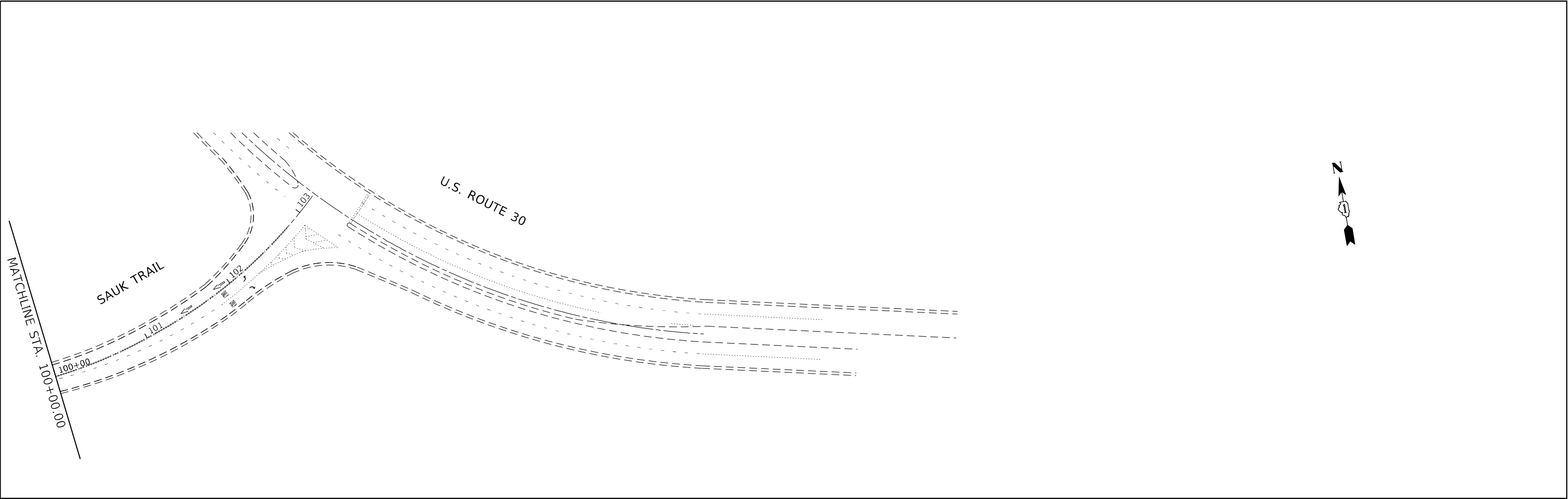
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1632	2021-085-RS	COOK	61	16
CONTRACT NO. 62N98				
ILLINOIS FED. AID PROJECT				

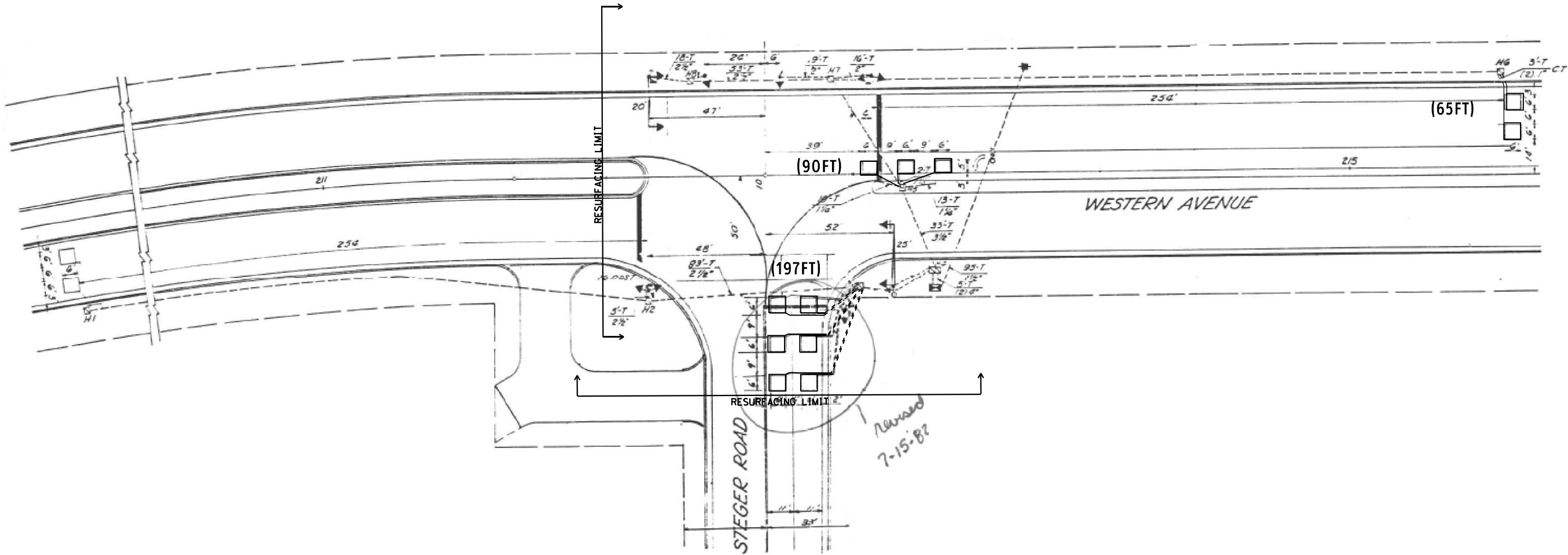


	USER NAME = qarutnm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SAUK TRAIL: TORRENCE AVENUE TO US 30 (LINCOLN HWY) ROADWAY AND PAVEMENT MARKING PLAN			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					1632	2021-085-R5	COOK	61	17
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	PLOT DATE = 3/18/2022	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
					SCALE: 1"=50'	SHEET 3	OF 4 SHEETS	STA. 70+00.00 TO STA. 100+00.00				

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	USER NAME = qarutnm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SAUK TRAIL: TORRENCE AVENUE TO US 30 (LINCOLN HWY) ROADWAY AND PAVEMENT MARKING PLAN		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 2/10/2022	DATE -	REVISED -		SCALE: 1"=50'		CONTRACT NO. 62N98				
					SHEET 4	OF 4 SHEETS	STA. 100+00.00	TO STA. 103+00.00	ILLINOIS	FED. AID PROJECT	



NOTES:

- 1.- WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
- 2.- THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	352	FOOT

TS#5890

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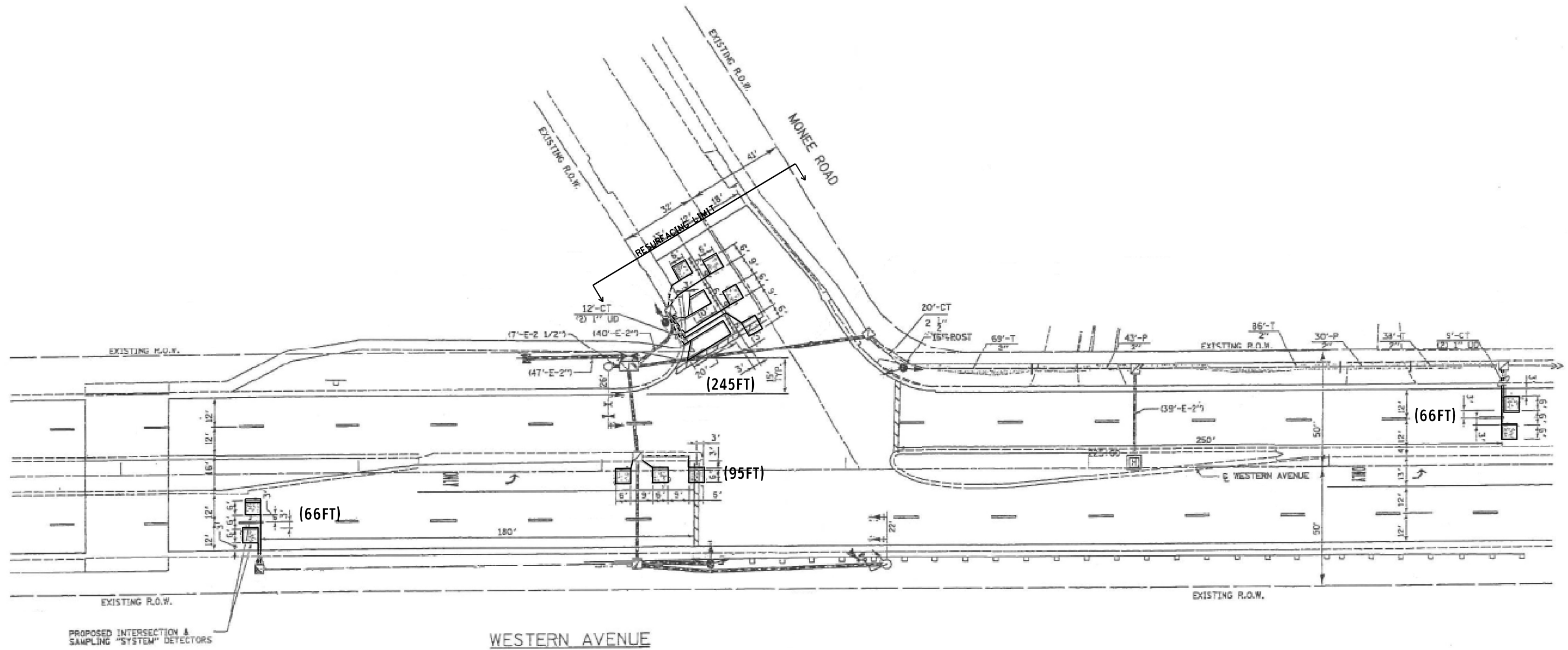
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	DRAWN - Gonzalo Meza	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - Steven M. Nguyen	REVISED -
PLOT DATE = 10/26/2021	DATE - 10/26/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
WESTERN AVE. AT STEGER RD.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2021-085-R5	COOK	61	19
CONTRACT NO. 62N98				
ILLINOIS FED. AID PROJECT				



NOTES:

- 1.- WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
- 2.- THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	472	FOOT

TS#5885

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

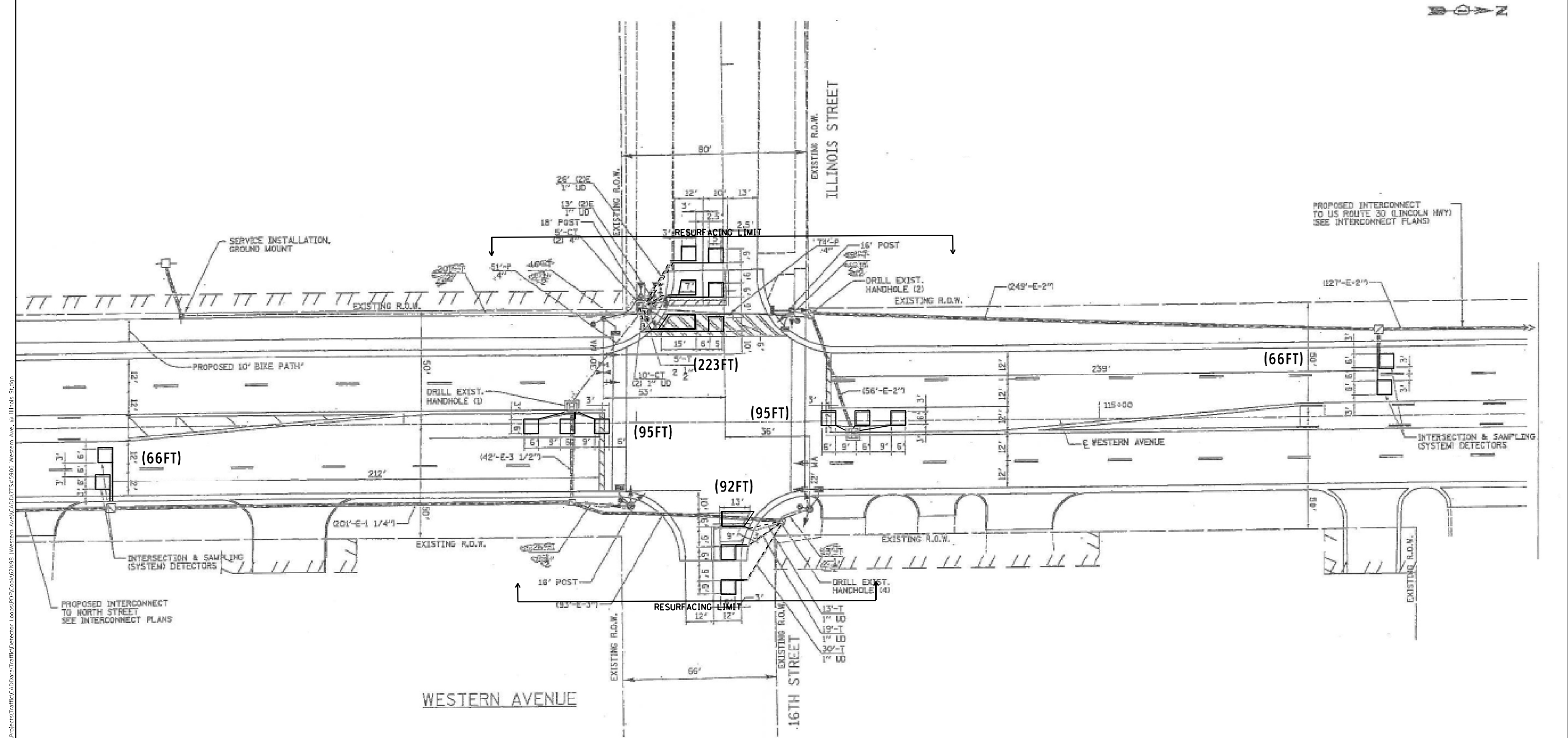
**DETECTOR LOOP REPLACEMENT PLAN
WESTERN AVE. AT MONEE RD.**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2021-085-RS	COOK	61	20
CONTRACT NO. 62N98				
ILLINOIS FED. AID PROJECT				

USER NAME = mezag	DESIGNED - Steven M. Nguyen	REVISED -
	DRAWN - Gonzalo Meza	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED - Steven M. Nguyen	REVISED -
PLOT DATE = 10/26/2021	DATE - 10/26/2021	REVISED -

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DRAWN: Gonzalo Meza
CHECKED: Steven M. Nguyen
DATE: 10/26/2021

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NOTES:

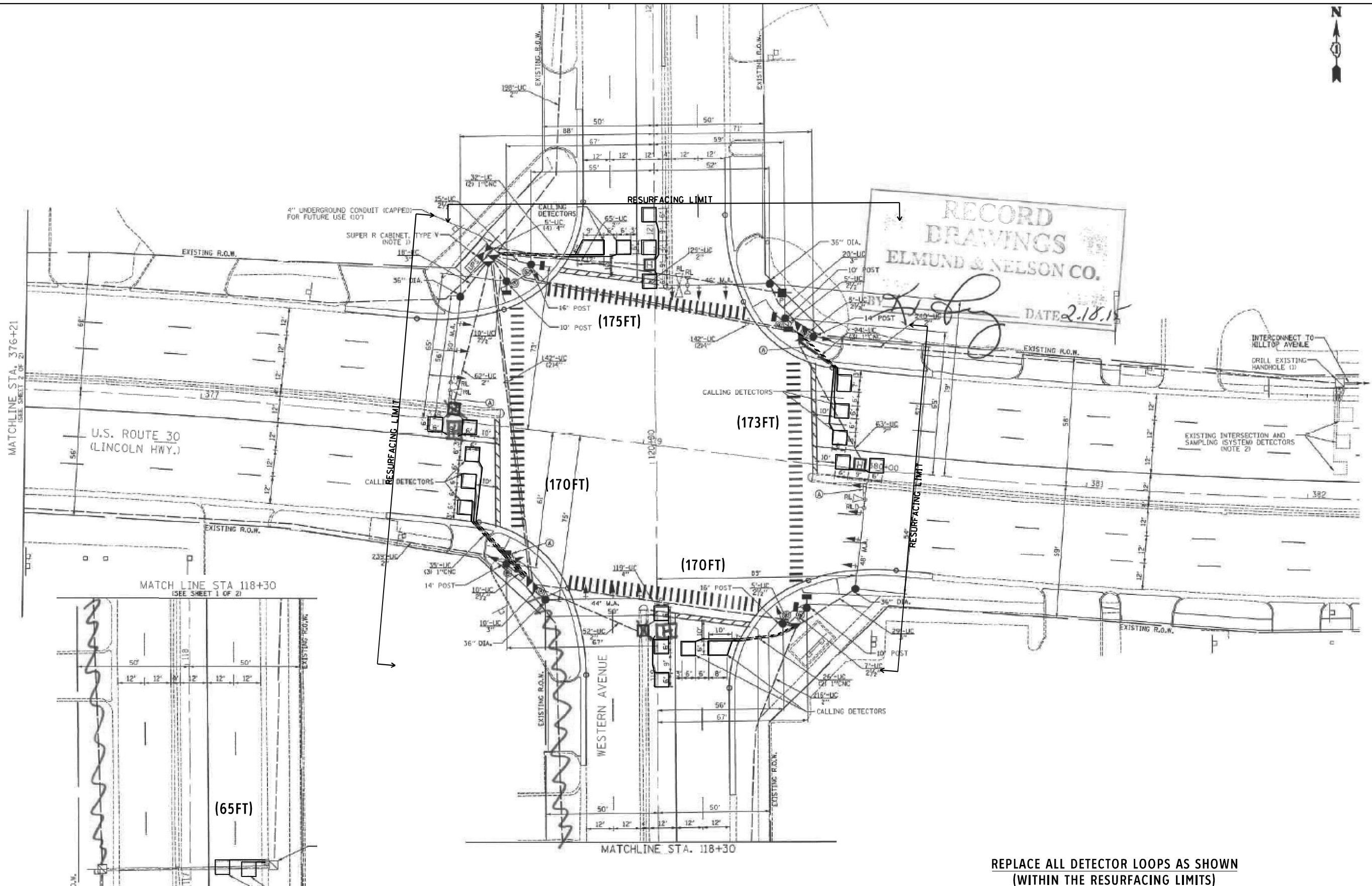
- 1.- WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
- 2.- THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	637	FOOT

TS#5900

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		DRAWN - Gonzalo Meza	REVISED -							2021-085-RS	COOK	61	25
	PLOT SCALE = 40,0000 ' / in.	CHECKED - Steven M. Nguyen	REVISED -		CONTRACT NO. 62N98								
	PLOT DATE = 10/27/2021	DATE - 10/26/2021	REVISED -										
	SCALE:				SHEET	OF	SHEETS	STA.	TO STA.				
					ILLINOIS FED. AID PROJECT								
					SECTION								
					COUNTY								



NOTES:

- 1.- WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
- 2.- THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	753	FOOT

TS#1420

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
WESTERN AVE. AT LINCOLN HWY.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2021-085-R5	COOK	61	26
CONTRACT NO. 62N98				
ILLINOIS FED. AID PROJECT				

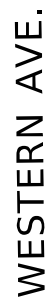
SCHEDULE OF QUANTITIES (CURB RAMPS IMPROVEMENT)

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ID	LOCATION	CORNER	EARTH EXCAVATION	TOPSOIL FURNISH AND PLACE, 4"	SODDING, SALT TOLERANT	SUPPLEMENTAL WATERING	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	DETECTABLE WARNINGS	SIDEWALK REMOVAL	INLETS TO BE ADJUSTED	REBUILD EXISTING HANDHOLE	MANHOLE TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSEDLID	VALVE BOXES TO BE ADJUSTED	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
			CU YD	SQ YD	SQ YD	UNIT	SQ FT	SQ FT	SQ FT	EACH	EACH	EACH	EACH	EACH	EACH	FOOT
1	Western Avenue and Sauk Trail	SW	2.8	18.9	18.87	0.19	283	14	283				1	1		7
2	Western Avenue and Apple Lane	NW	1.3	8.9	8.87	0.09	133	19	133				1			11
3	Western Avenue and Apple Lane	SW	2.0	13.4	13.42	0.13	201	22	201			1				26
4	Western Avenue and Dogwood Street	NE	1.5	10.1	10.08	0.10	151	12	151				3			7
5	Western Avenue and Dogwood Street	SE	1.6	10.8	10.80	0.11	162	12	162							6
6	Western Avenue and Westwood Street	NE	4.4	29.2	29.20	0.29	438	45	438		1		1	1	1	40
7	Western Avenue and Westwood Street	SW	2.6	17.5	17.47	0.17	262	35	262	1				1		28
8	Western Avenue and Algonquin Street	SE	1.6	10.4	10.40	0.10	156	25	156	1						21
9	Western Avenue and Beacon Blvd.	NW	3.0	20.0	20.00	0.20	300	36	300				1	1		29
10	Western Avenue and Beacon Blvd.	SE	1.7	11.0	11.00	0.11	165	43	165	1				1		22
11	Western Avenue and Illinois Street	NW	1.8	12.1	12.13	0.12	182	28	182					1		15
12	Western Avenue and Illinois Street	SW	2.1	14.3	14.27	0.14	214	23	214	1	1		1	1	1	8
15																
16																
29																
	SUB-TOTAL =		27.0	176.5	176.5	1.8	2647.5	312.5	2647.0	4.0	2.0	1.0	8.0	7.0	2.0	220

* SCHEDULE IS FOR THE DESIGNED DETAILS ONLY

MODEL: Default
FILE: \\naulic-pro\ulic-aw-bentley.com\PIV\DOT\Documents\DOT Office\District 1\Projects\0118121-CaddData\Design\0118121-ah-schedule.dgn

	USER NAME = qarutnm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 30 (LINCOLN HIGHWAY) TO STEGER ROAD SCHEDULE OF QUANTITIES (CURB RAMPS IMPROVEMENT)				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVIS	ED -						2845	2021-085-R5	COOK	61	27
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -						CONTRACT NO. 62N98				
	PLOT DATE = 3/18/2022	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



ALGONQUIN ST.



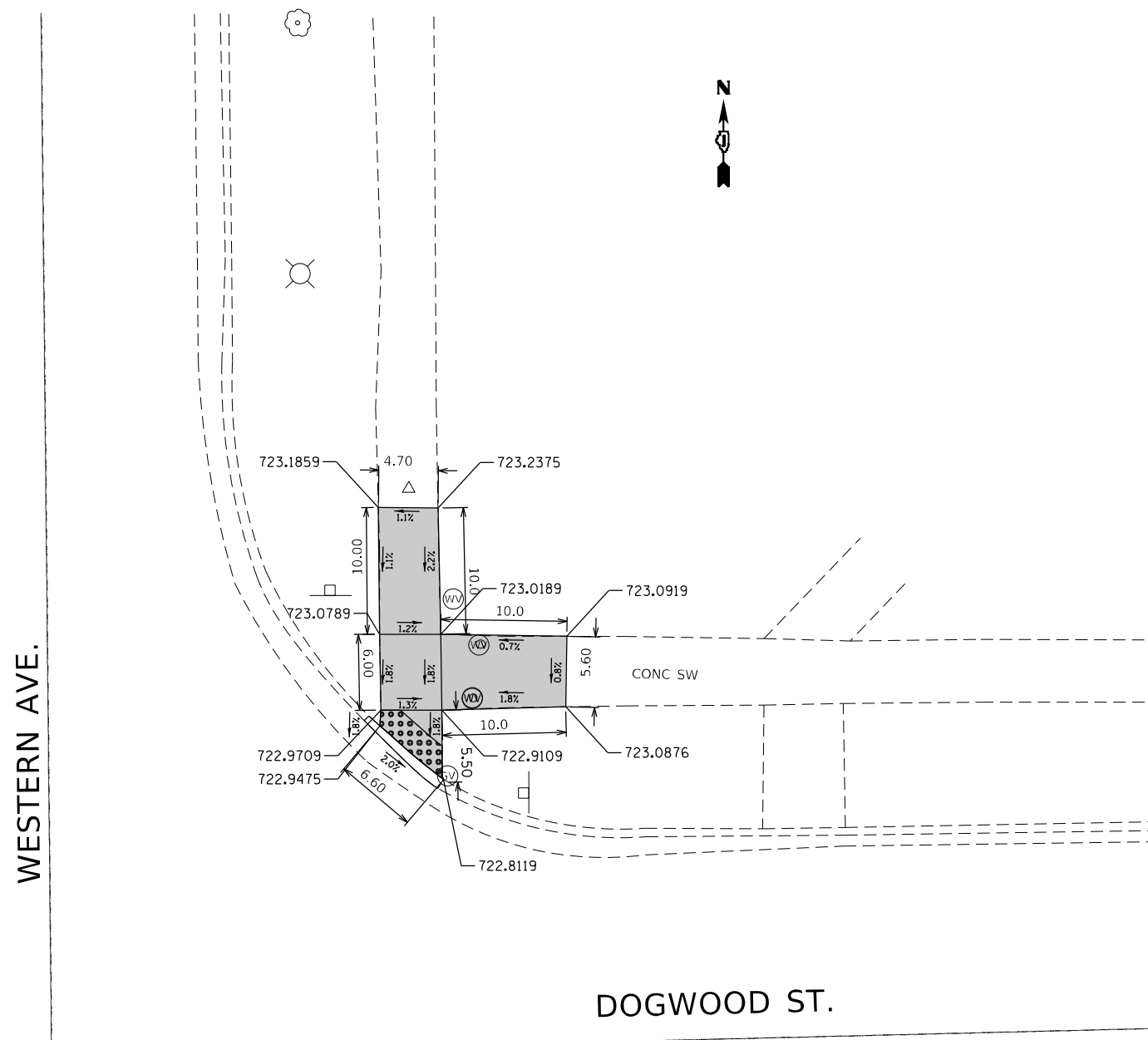
11

DETECTABLE WARNINGS

BENCHMARK: SOUTHWEST CORNER TCB ELEVATION 705.918

===== PROPOSED SIDE CURB

* MATCH EXISTING SIDEWALK WIDTH



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

BENCHMARK: SOUTHWEST BOLT ON FIRE HYDRANT. ELEVATION 725.13

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

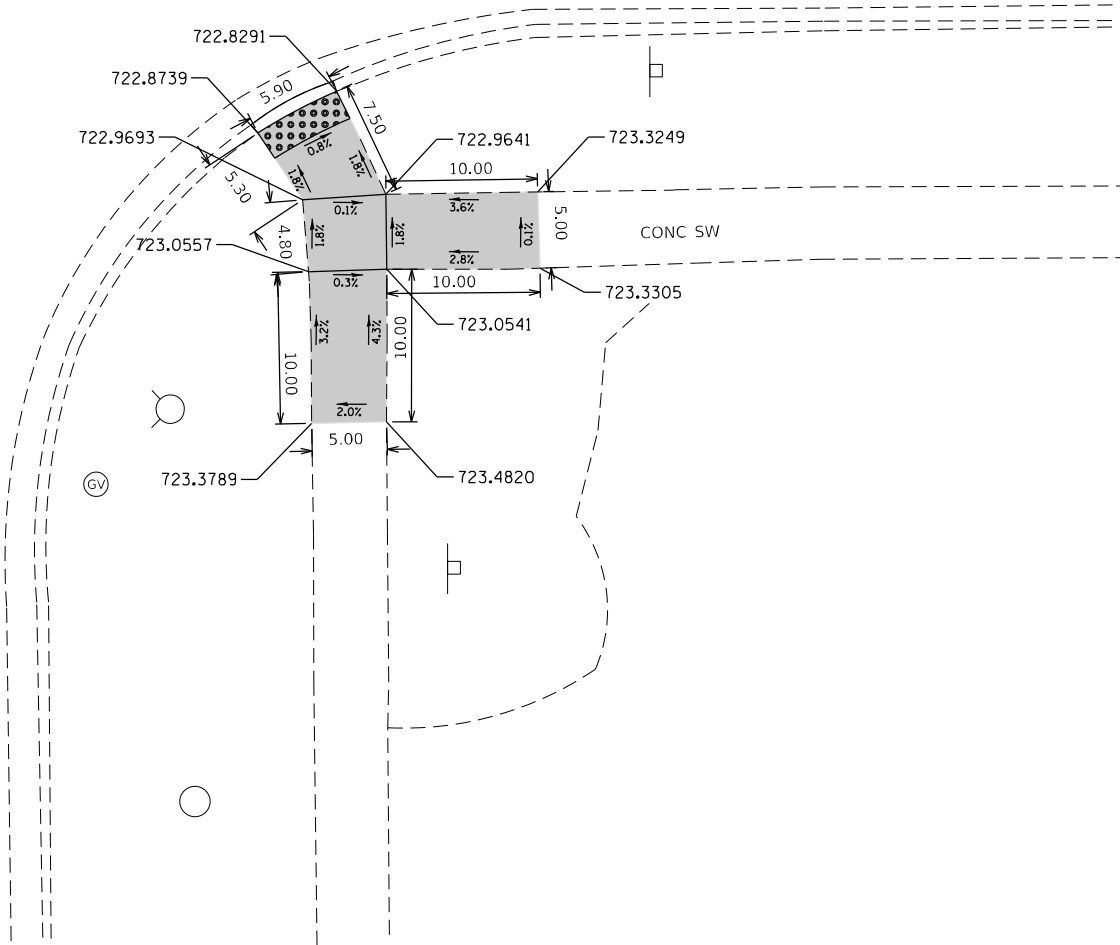
* MATCH EXISTING SIDEWALK WIDTH

USER NAME = qarutnm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WESTERN AVE FROM US 30 (LINCOLN HWY) TO STEGER RD				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
	DRAWN -	REVISED -		CURB RAMP IMPROVEMENT				2845	2021-085-R5	COOK	61	35				
PLOT SCALE = 12.6500' / in.	CHECKED -	REVISED -						CONTRACT NO. 62N98								
PLOT DATE = 2/10/2022	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.							
													ILLINOIS		FED. AID PROJECT	

MODEL: Default
FILE NAME: g:\118121\cadd\118121-ADA.dgn

WESTERN AVE.

DOGWOOD ST.



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

BENCHMARK: SOUTHWEST BOLT ON FIRE HYDRANT. ELEVATION 725.13

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

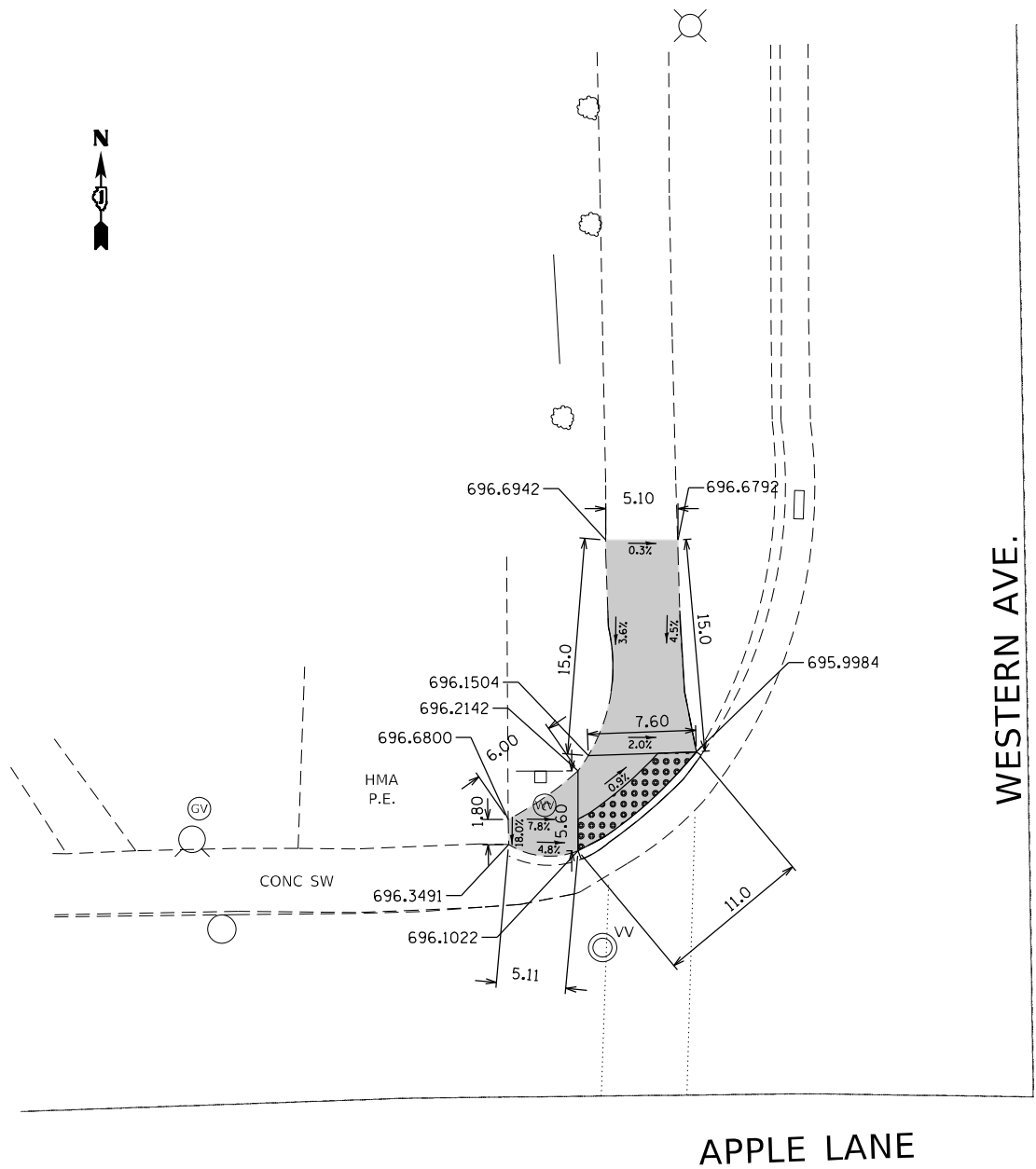
* MATCH EXISTING SIDEWALK WIDTH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WESTERN AVE FROM US 30 (LINCOLN HWY) TO STEGER RD
CURB RAMP IMPROVEMENT

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	2021-085-RS	COOK	61	36
CONTRACT NO. 62N98				
ILLINOIS FED. AID PROJECT				



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

BENCHMARK: TOP COVER BOLT ON P.L. ELEVATION 697.64

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

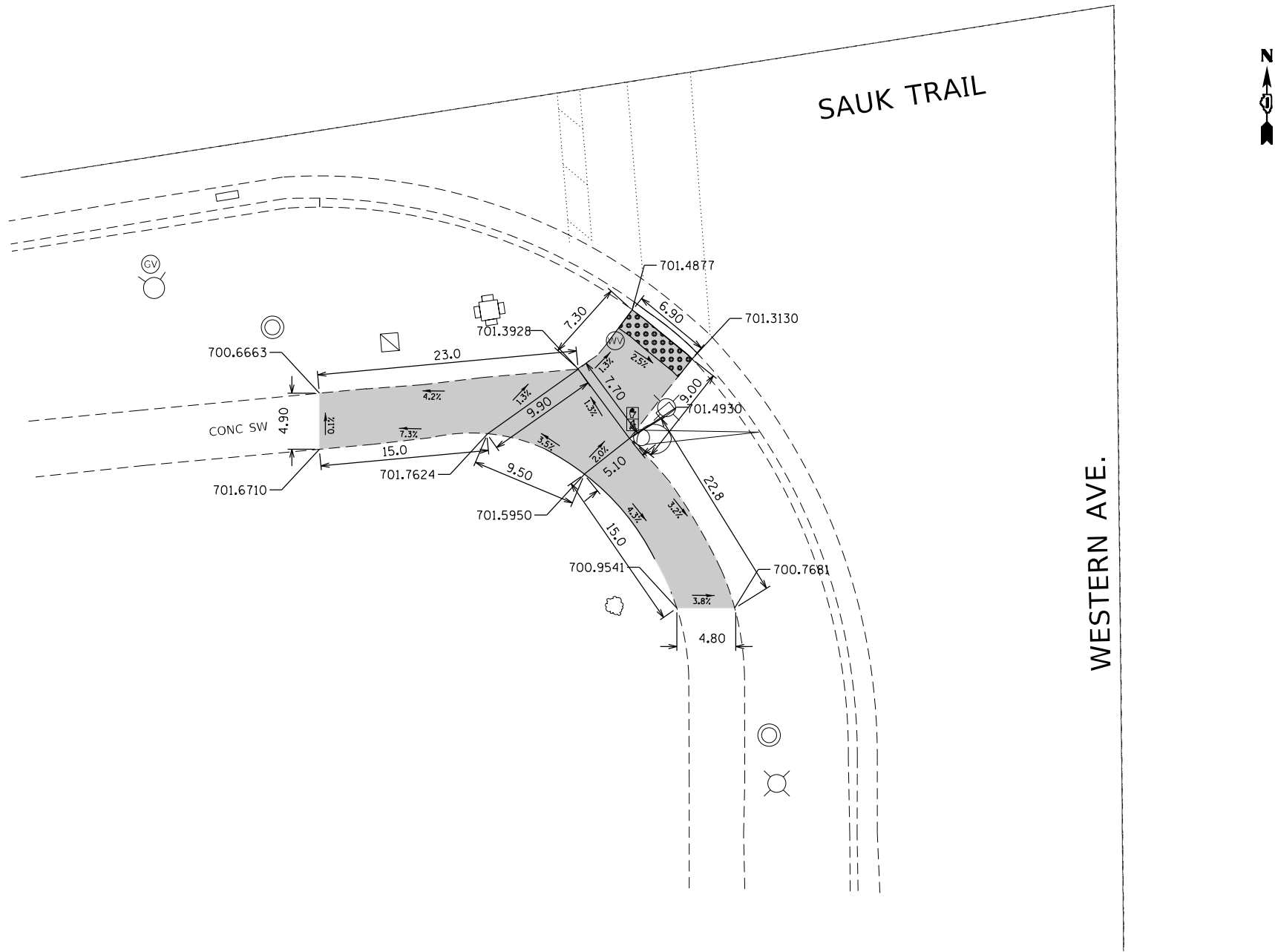
* MATCH EXISTING SIDEWALK WIDTH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WESTERN AVE FROM US 30 (LINCOLN HWY) TO STEGER RD
CURB RAMP IMPROVEMENT

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	2021-085-RS	COOK	61	37
CONTRACT NO. 62N98				
ILLINOIS FED. AID PROJECT				



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

BENCHMARK: SW CORNER ON TCB ELEVATION 699.854

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

MODEL: Default
FILE NAME: g:\118121\118121-ADA\118121-ADA.dgn

USER NAME	= tjarutmm	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 12,6500 ' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 2/10/2022	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

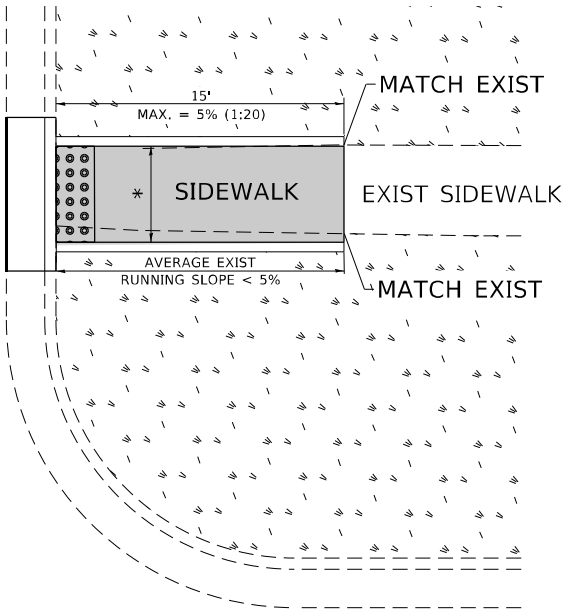
WESTERN AVE FROM US 30 (LINCOLN HWY) TO STEGER RD
CURB RAMP IMPROVEMENT

SCALE: SHEET OF SHEETS STA. TO STA.

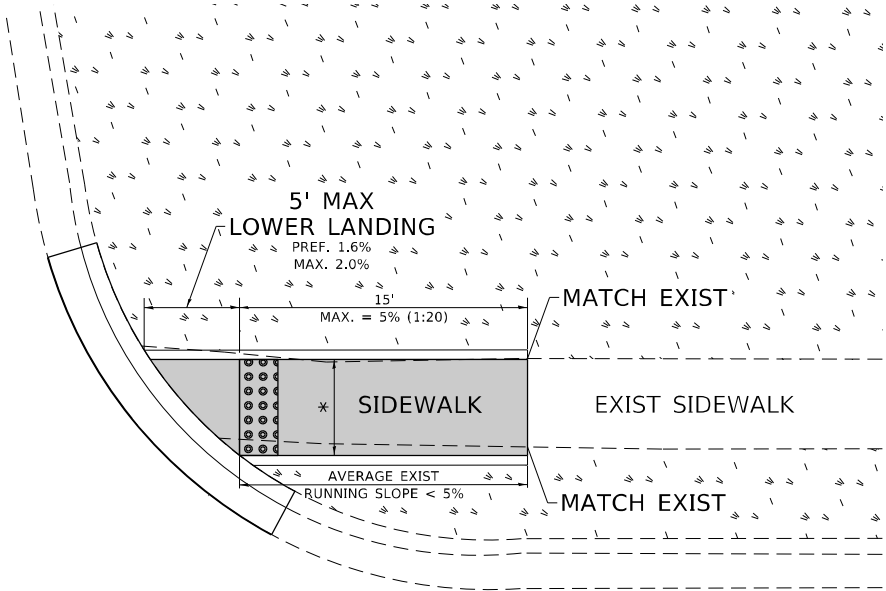
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	2021-085-RS	COOK	61	39
CONTRACT NO. 62N98				
ILLINOIS FED. AID PROJECT				

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

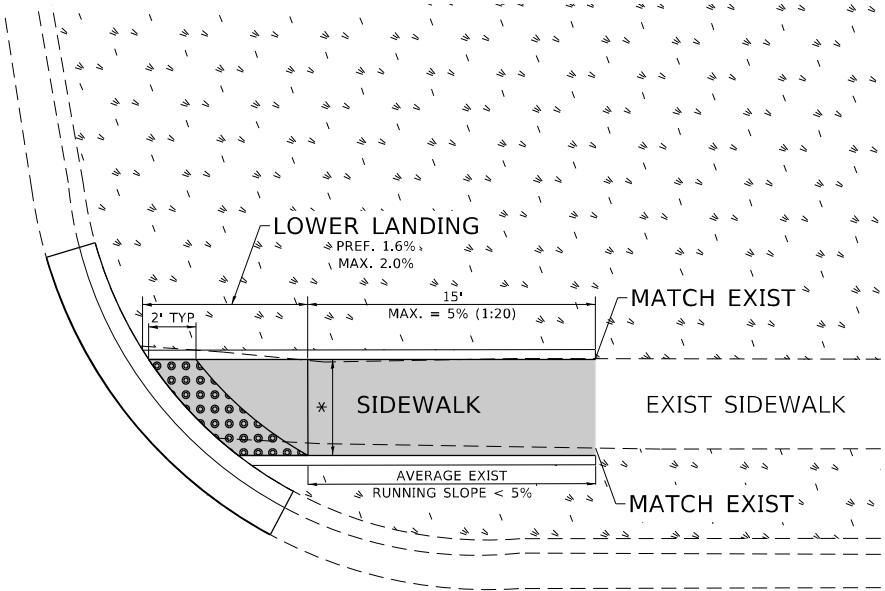
PD-01A



PD-01B



PD-01C



LEGEND



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

USER NAME = qarutnm	DESIGNED -	REVISED -
DRAWN - R. LEDEZMA	REVISIED -	
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/10/2022	DATE - 10/02/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

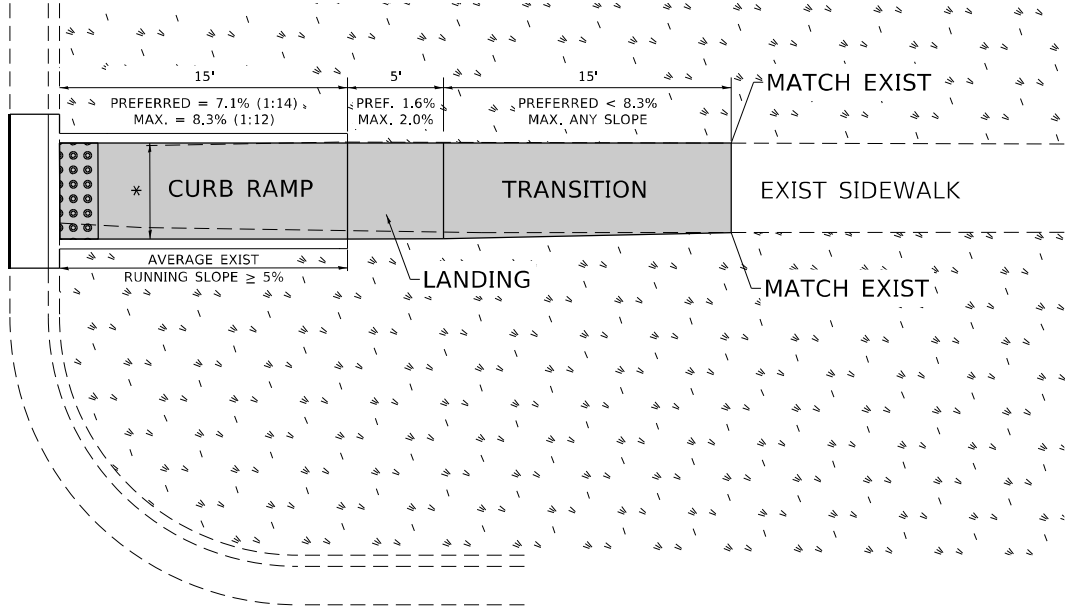
PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-01)

SCALE: NONE SHEET OF SHEETS STA. TO STA.

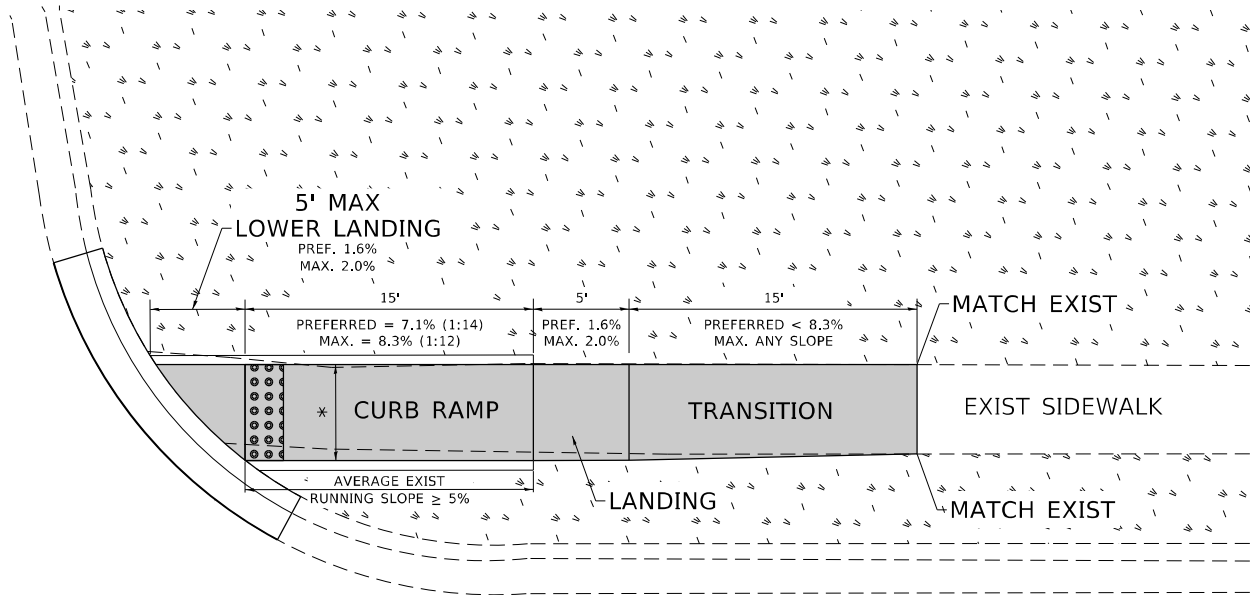
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	2021-085-R5	COOK	61	40
PD-01		CONTRACT NO. 62N98		
		ILLINOIS	FED. AID PROJECT	

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

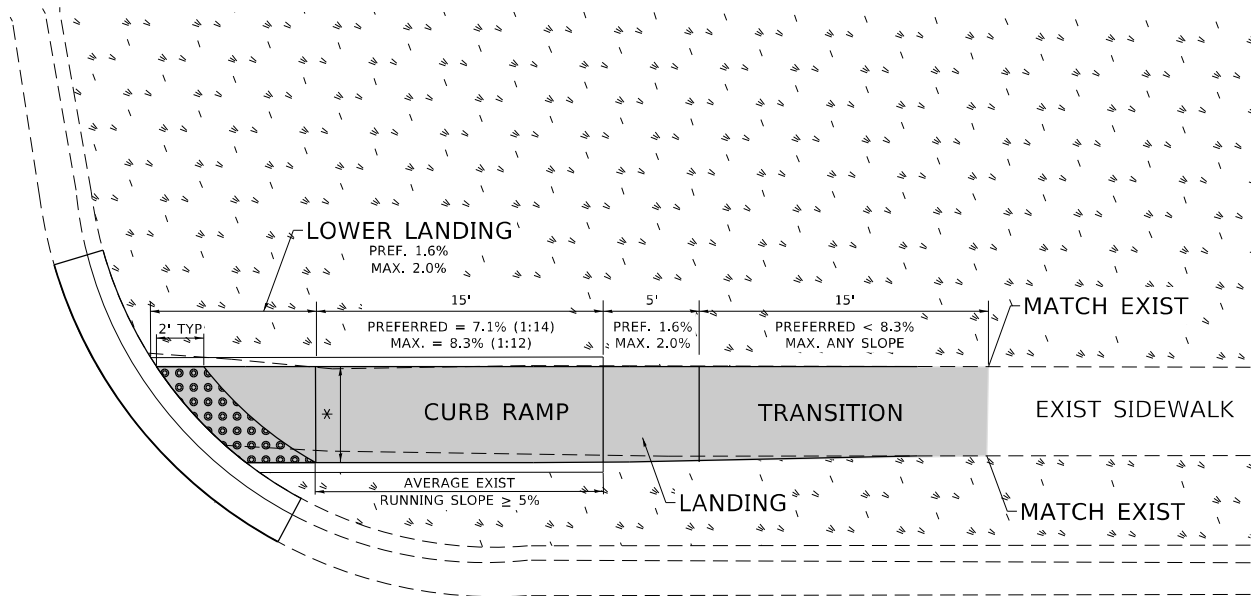
PD-02A



PD-02B



PD-02C



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

USER NAME	= qarutnm
DESIGNED	-
DRAWN	- R. LEDEZMA
CHECKED	-
DATE	- 10/02/2019
PLOT SCALE	= 100,0000 ' / in.
PLOT DATE	= 2/10/2022

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

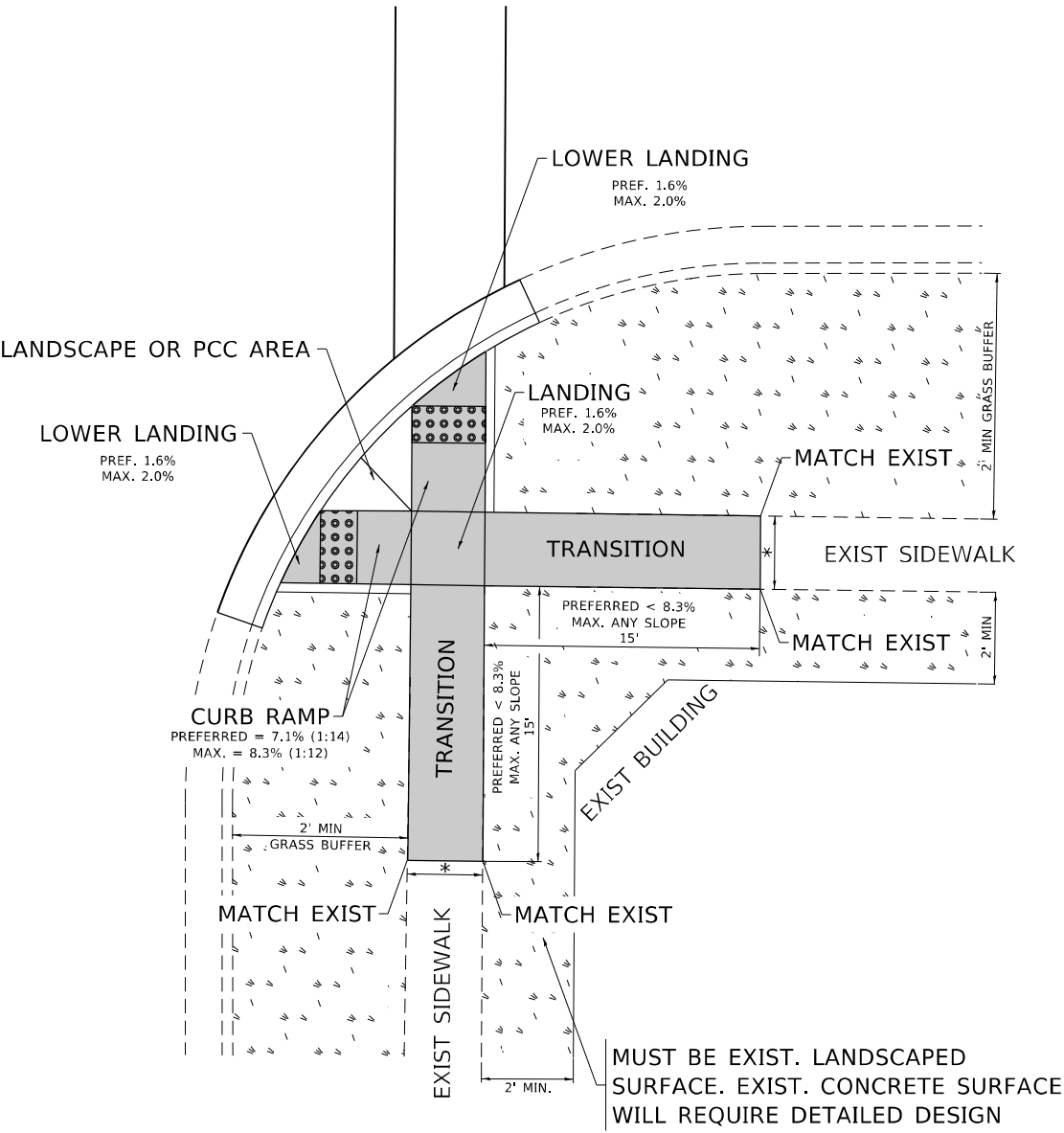
PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-02)

SCALE: NONE SHEET OF SHEETS STA. TO STA.

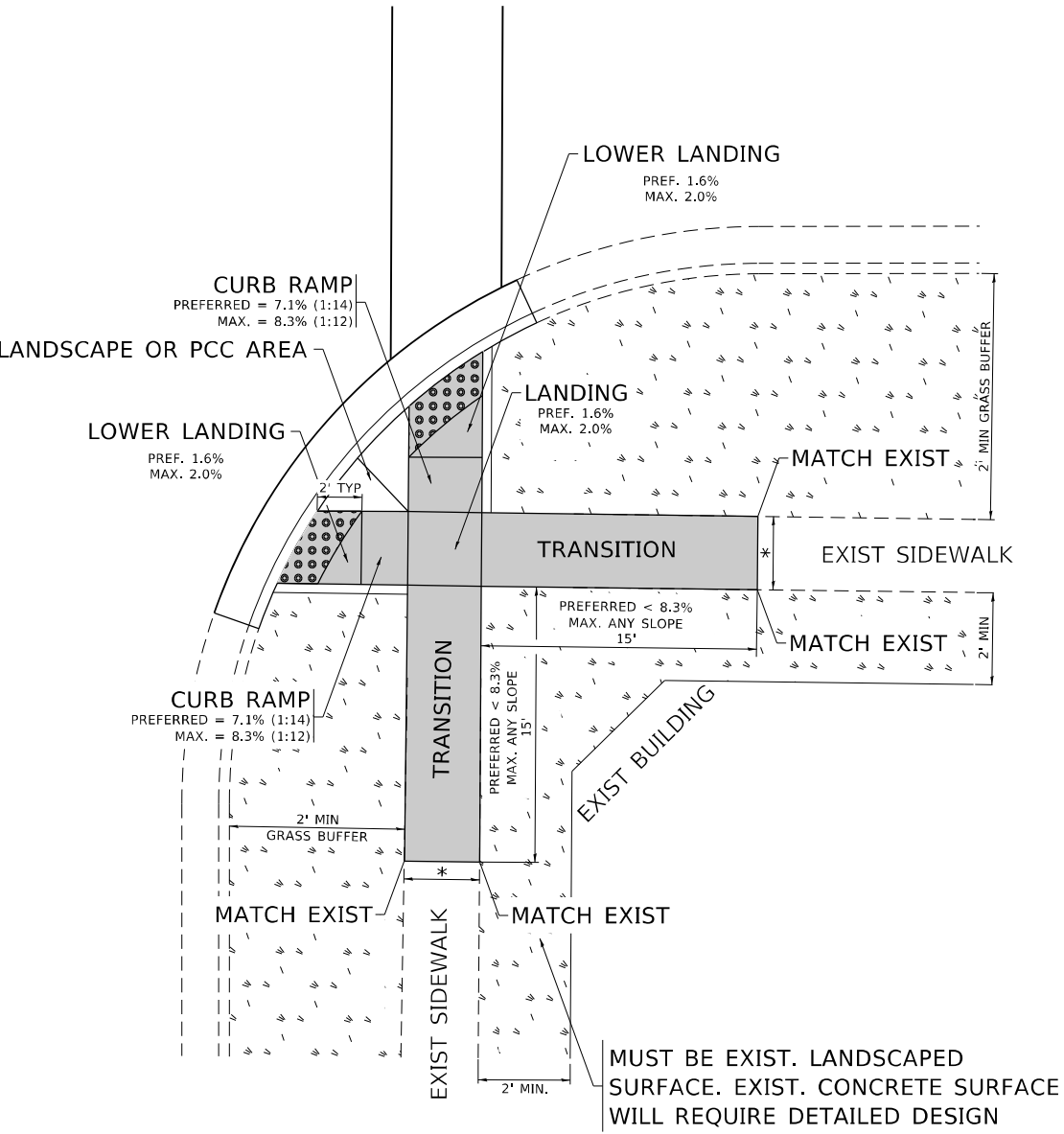
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	2021-085-R5	COOK	61	41
PD-02		CONTRACT NO. 62N98		
		ILLINOIS	FED. AID PROJECT	

ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

PD-03A



PD-03B



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

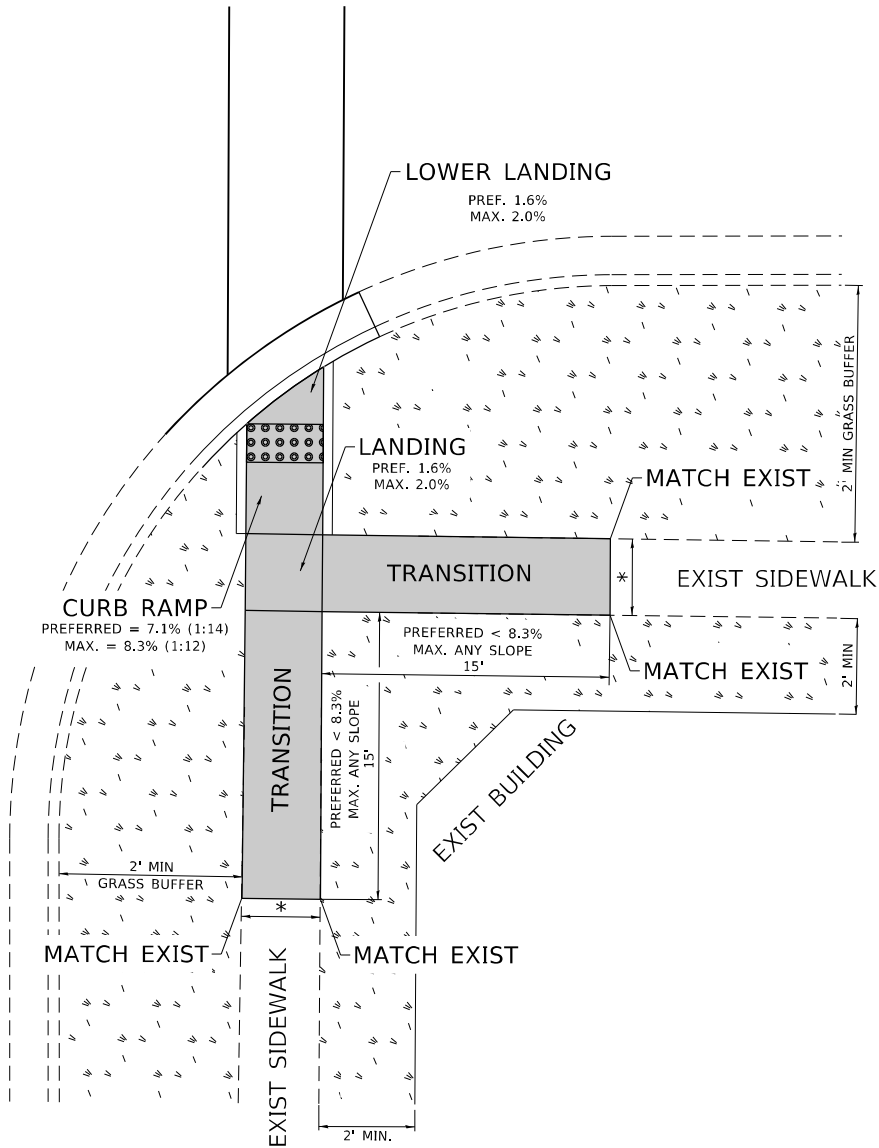
PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS
(PD-03)

SCALE: NONE SHEET OF SHEETS STA. TO STA.

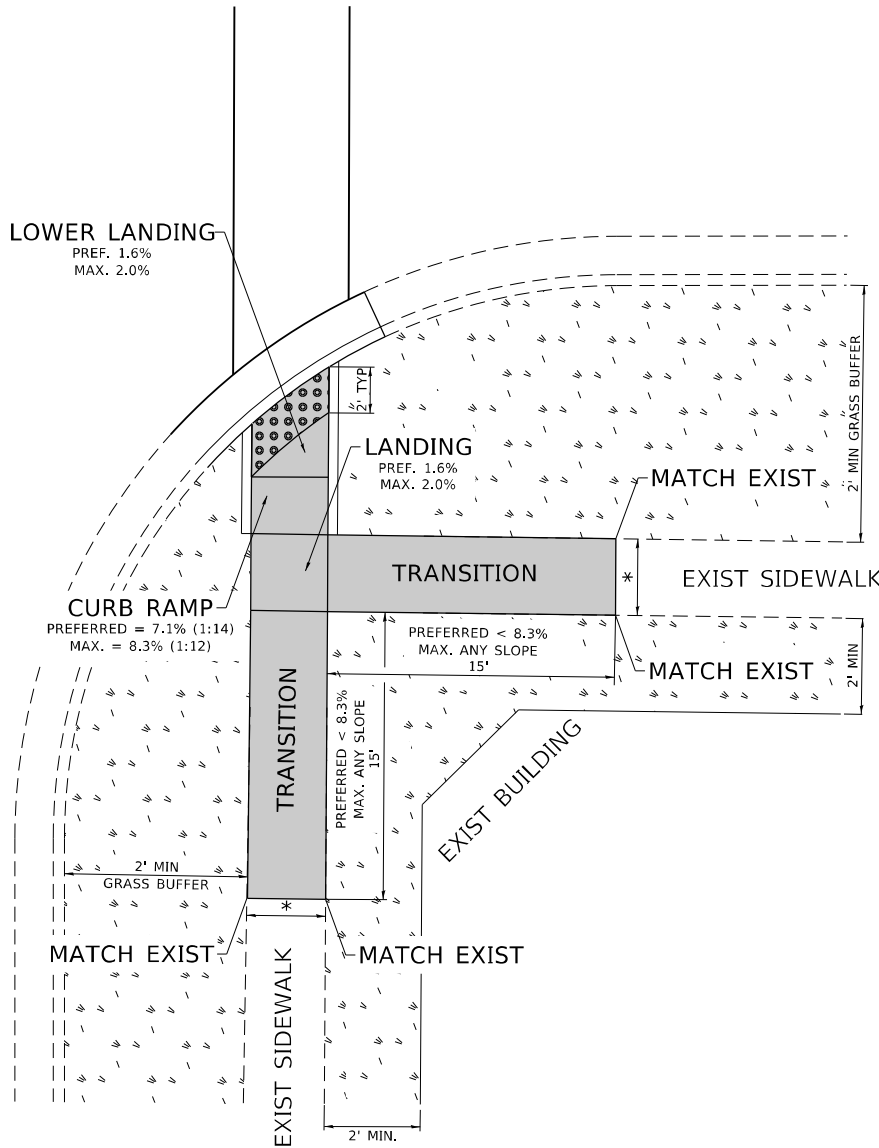
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	2021-085-R5	COOK	61	42
PD-03		CONTRACT NO. 62N98		
		ILLINOIS	FED. AID PROJECT	

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD-04A



PD-04B



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

USER NAME	= qarutnm
DESIGNED	-
DRAWN	- R. LEDEZMA
CHECKED	-
DATE	- 10/02/2019
PLOT SCALE	= 100,0000 ' / in.
PLOT DATE	= 2/10/2022

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

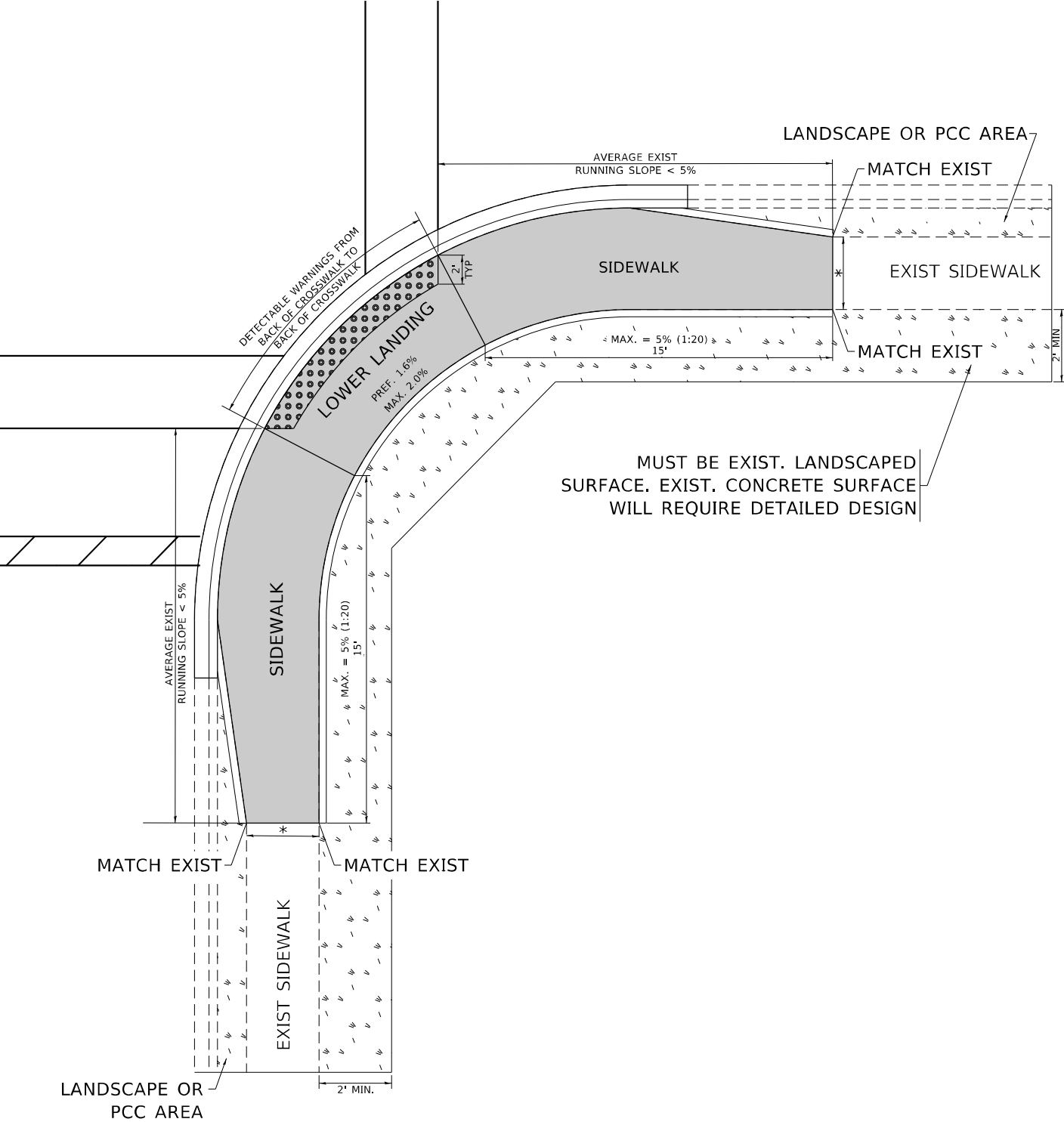
PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS WITH
TURNING SPACE (PD-04)

SCALE: NONE SHEET OF SHEETS STA. TO STA.

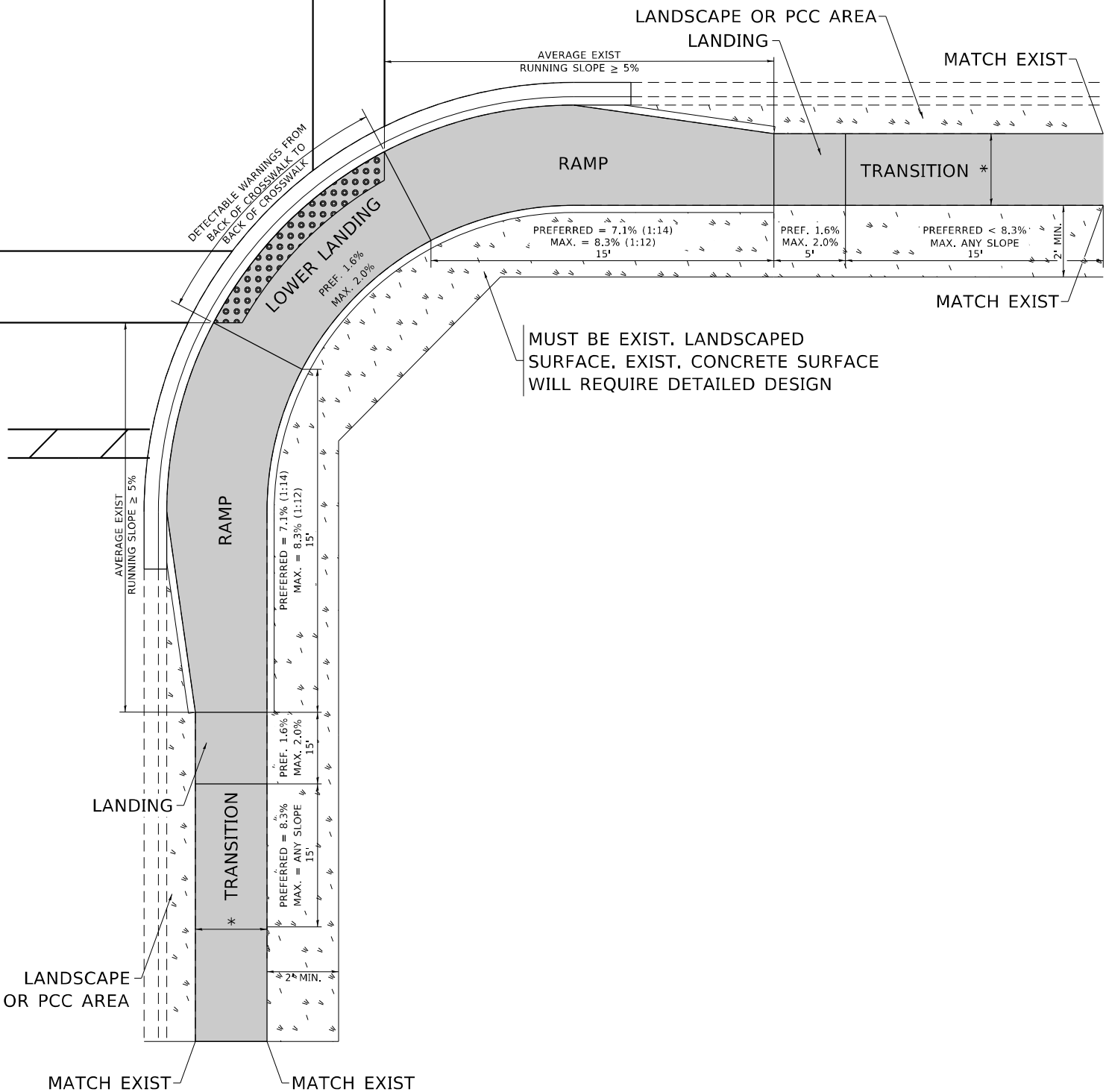
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	2021-085-R5	COOK	61	43
PD-04		CONTRACT NO. 62N98		
		ILLINOIS	FED. AID PROJECT	

ADA DETAIL FOR PARALLEL CURB RAMPS ADJACENT TO LANDSCAPING

PD-06A



PD-06B



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

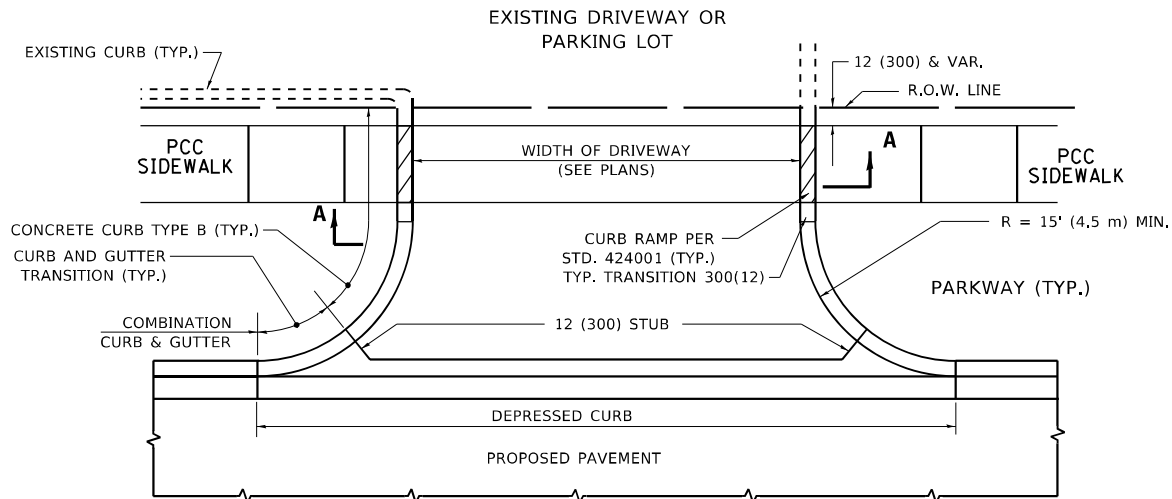
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR PARALLEL CURB RAMPS
(PD-06)

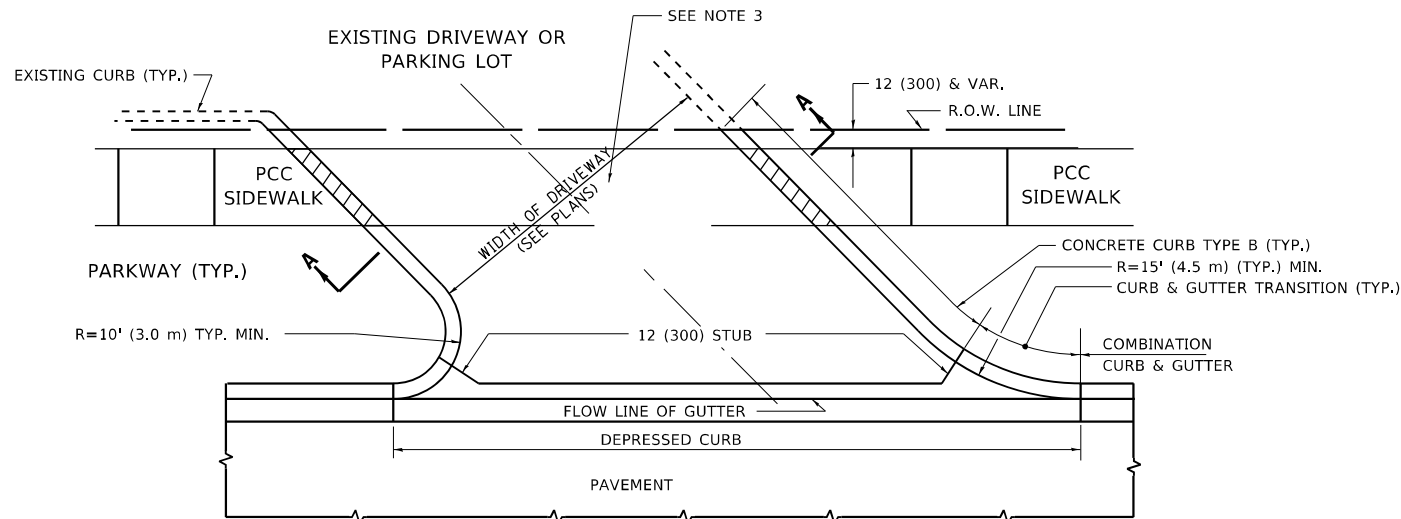
SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	2021-085-R5	COOK	61	44
PD-06		CONTRACT NO. 62N98		
		ILLINOIS	FED. AID PROJECT	

USER NAME = qarutnm	DESIGNED -	REVISD -
	DRAWN - R. LEDEZMA	REVISD -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISD -
PLOT DATE = 2/10/2022	DATE - 10/02/2019	REVISD -



WITH CONCRETE CURB, TYPE B



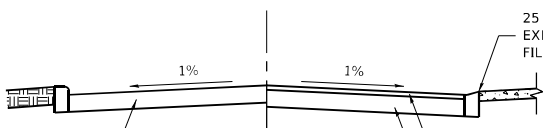
WITH CONCRETE CURB, TYPE B

RIGID DRIVEWAY

COMMERCIAL ENTRANCE (CE):
PCC DRIVEWAY PAVEMENT 8 (200)
MEASURED IN SQ. YD. (m²)

PRIVATE ENTRANCE (PE):
PCC DRIVEWAY PAVEMENT 6 (150)
MEASURED IN SQ. YD. (m²)

SECTION A-A

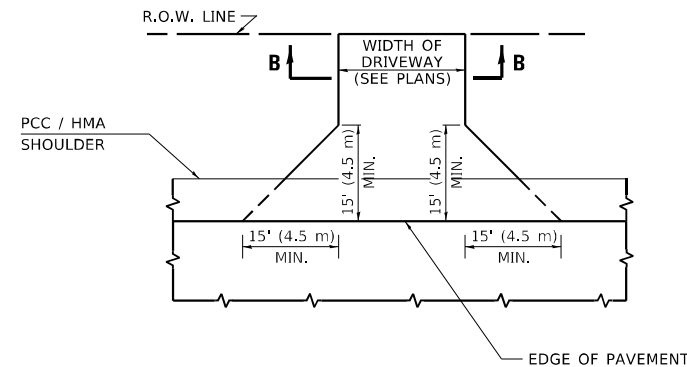


HMA DRIVEWAY

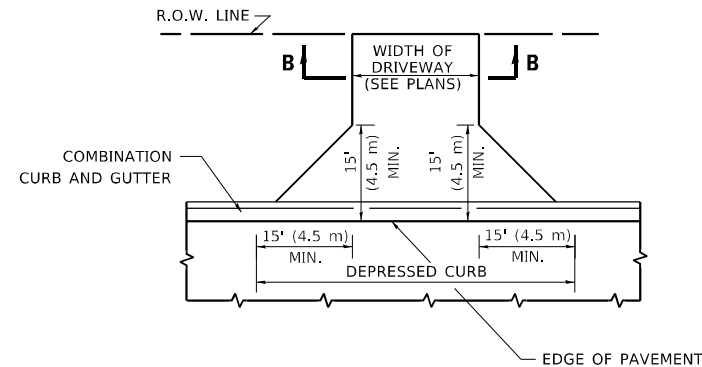
HMA SURFACE COURSE,
MIX "D", IL-9.5, N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

COMMERCIAL ENTRANCE (CE):
HMA BASE COURSE, 8 (200)
MEASURED IN SQ. YD. (m²).

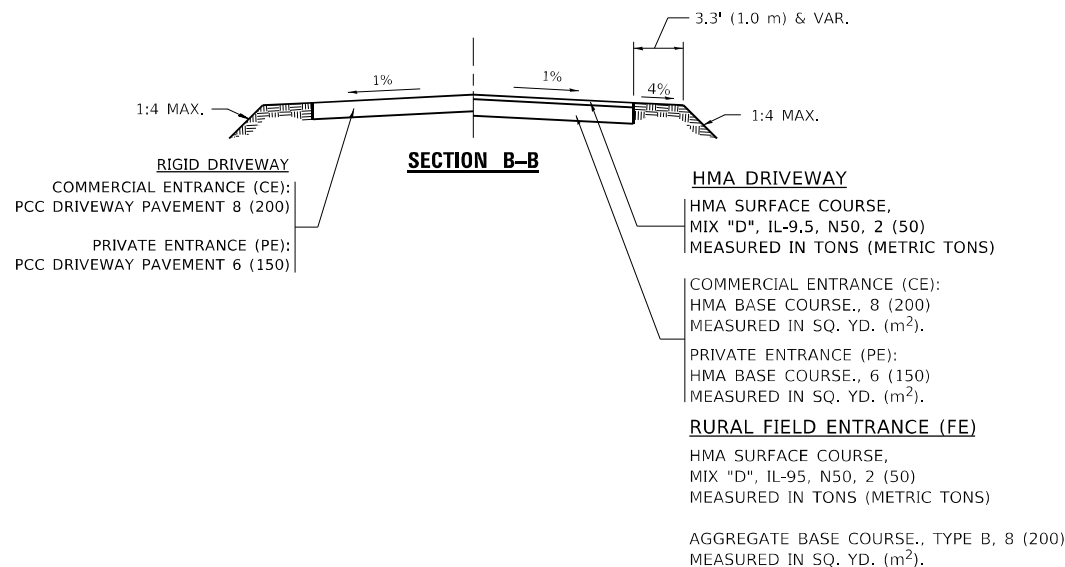
PRIVATE ENTRANCE (PE):
HMA BASE COURSE, 6 (150)
MEASURED IN SQ. YD. (m²).



ADJACENT TO PCC /HMA SHOULDER



ADJACENT TO CURB AND GUTTER



GENERAL NOTES

- DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.
- COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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

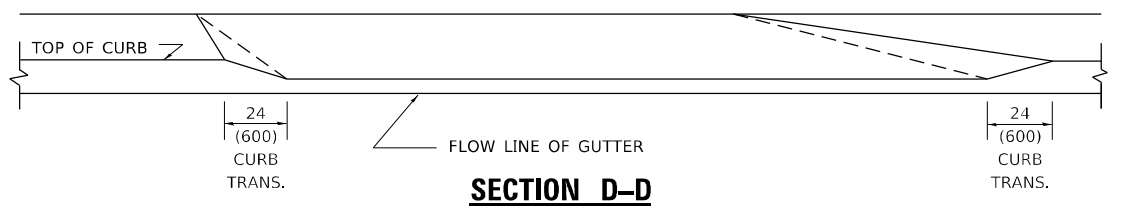
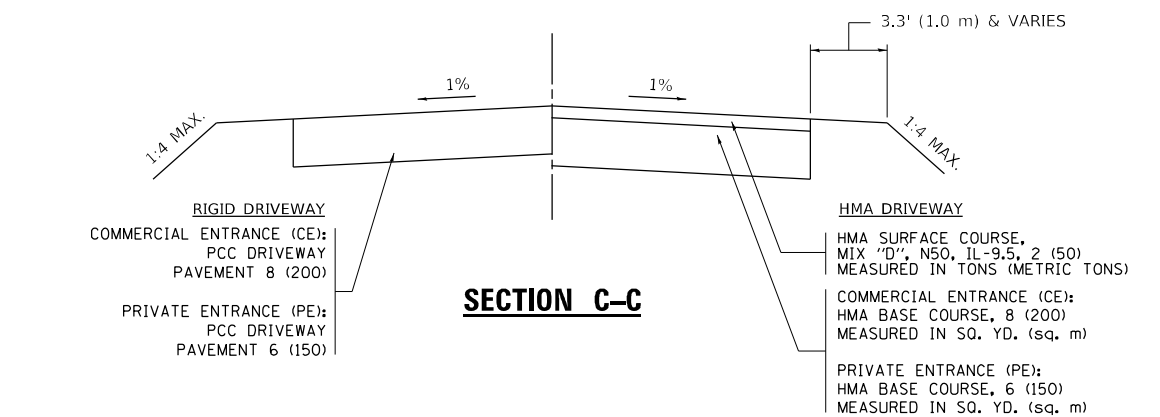
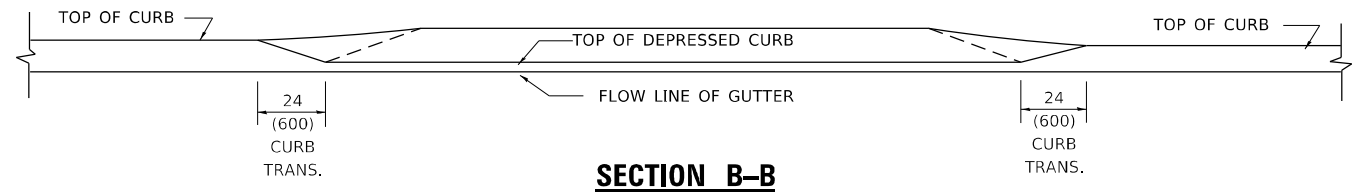
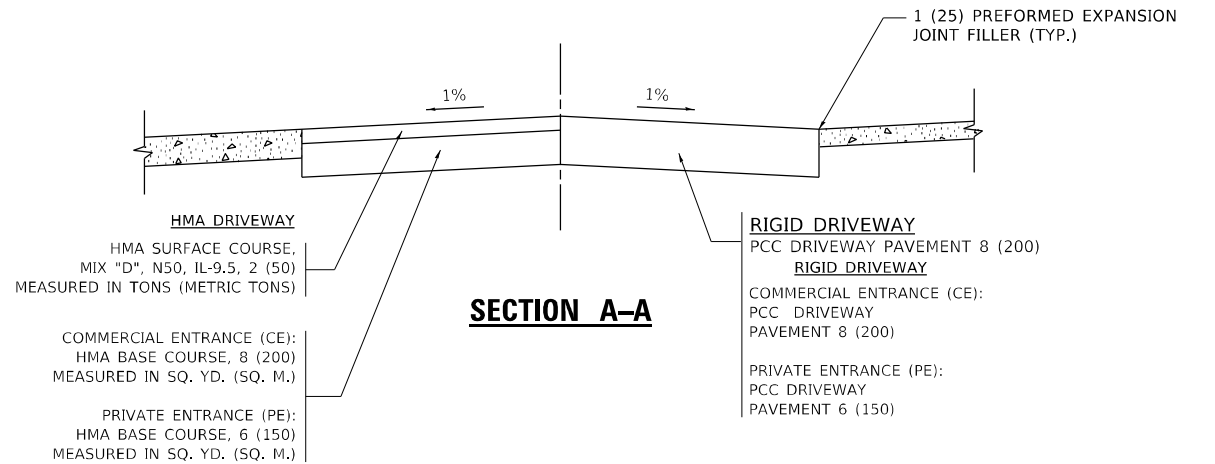
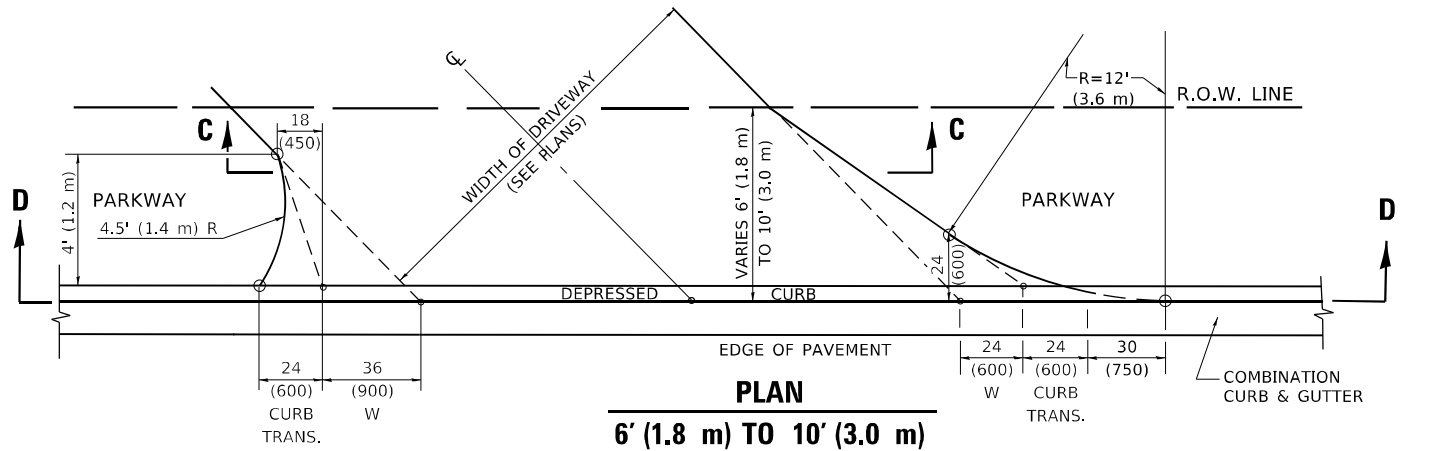
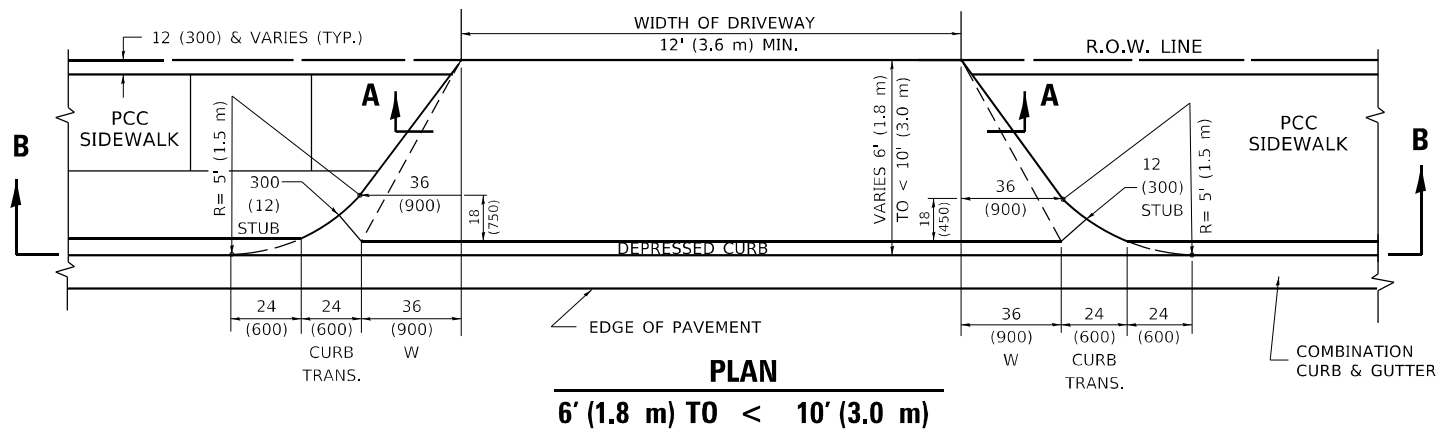
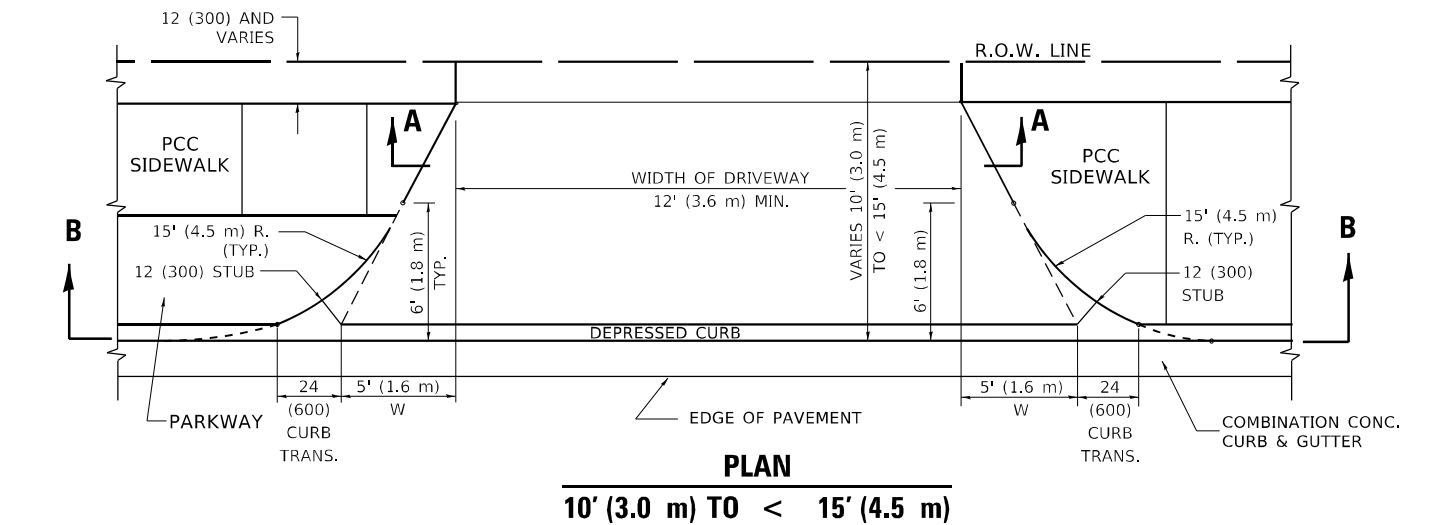
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY DETAILS – DISTANCE BETWEEN R.O.W.
AND FACE OF CURB & EDGE OF SHOULDER ≥ 15'(4.5m)**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	2021-085-RS	COOK	61	45
BD400-01 (BD-01)		CONTRACT NO. 62N98		
ILLINOIS		FED. AID PROJECT		

MODEL: Default
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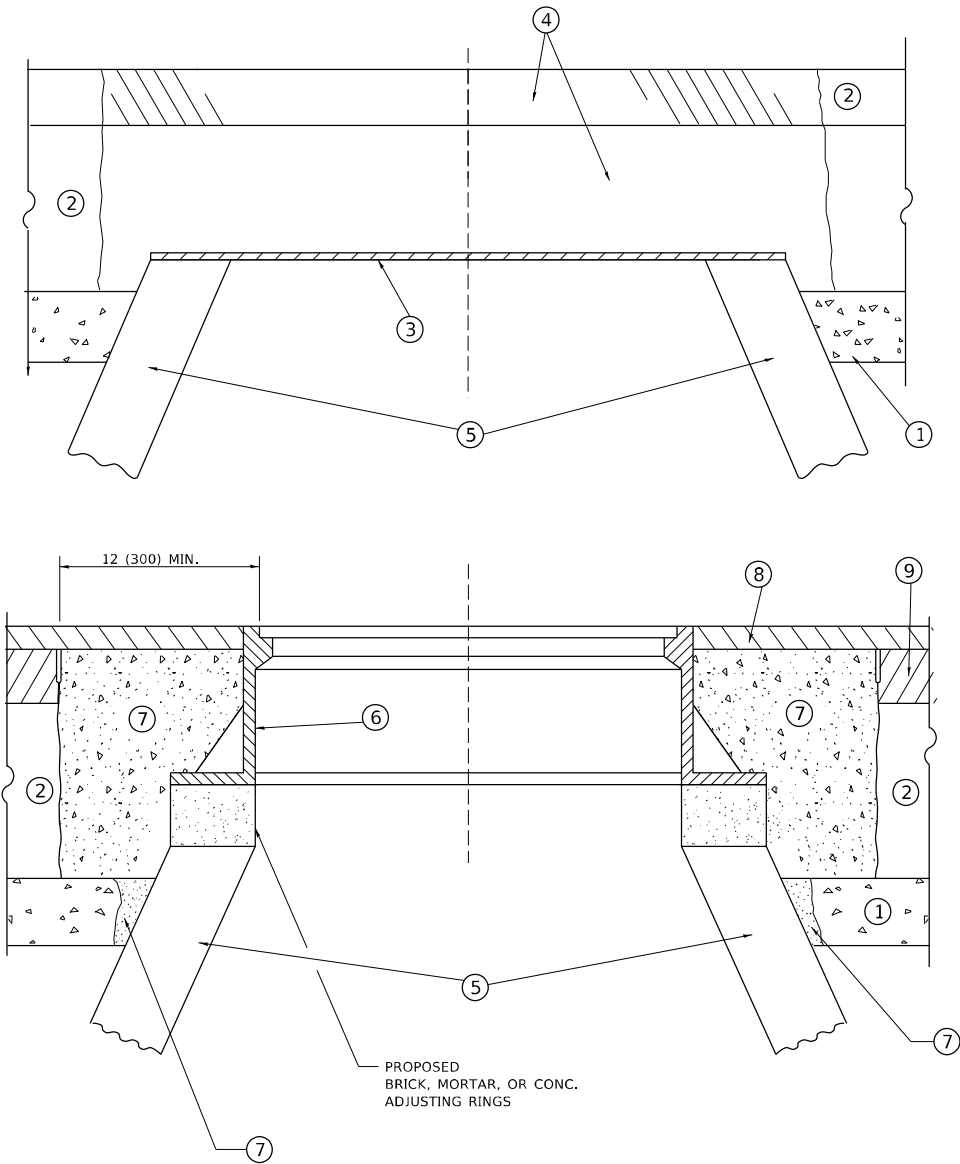


GENERAL NOTES

1. DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.
2. WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE PCC SIDEWALK SHALL EXTEND TO THE BACK OF CURB.
3. "W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

FILE NAME: D:\	USER NAME = qarutnm	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)				F.A.U. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 09-06-11						2845	2021-085-RS		COOK	61	46
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - K. SMITH 08-27-19		BD400-02 (BD-02)		CONTRACT NO. 62N98							
	PLOT DATE = 2/24/2022	DATE - 11-06-95	REVISED - K. SMITH 02-01-22		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT		



**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.

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. 1 1/2 (40) 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-1 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-1 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
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	DRAWN -	REVISED - R. BORO 03-09-11
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - R. BORO 12-06-11
PLOT DATE = 2/24/2022	DATE - 10-25-94	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

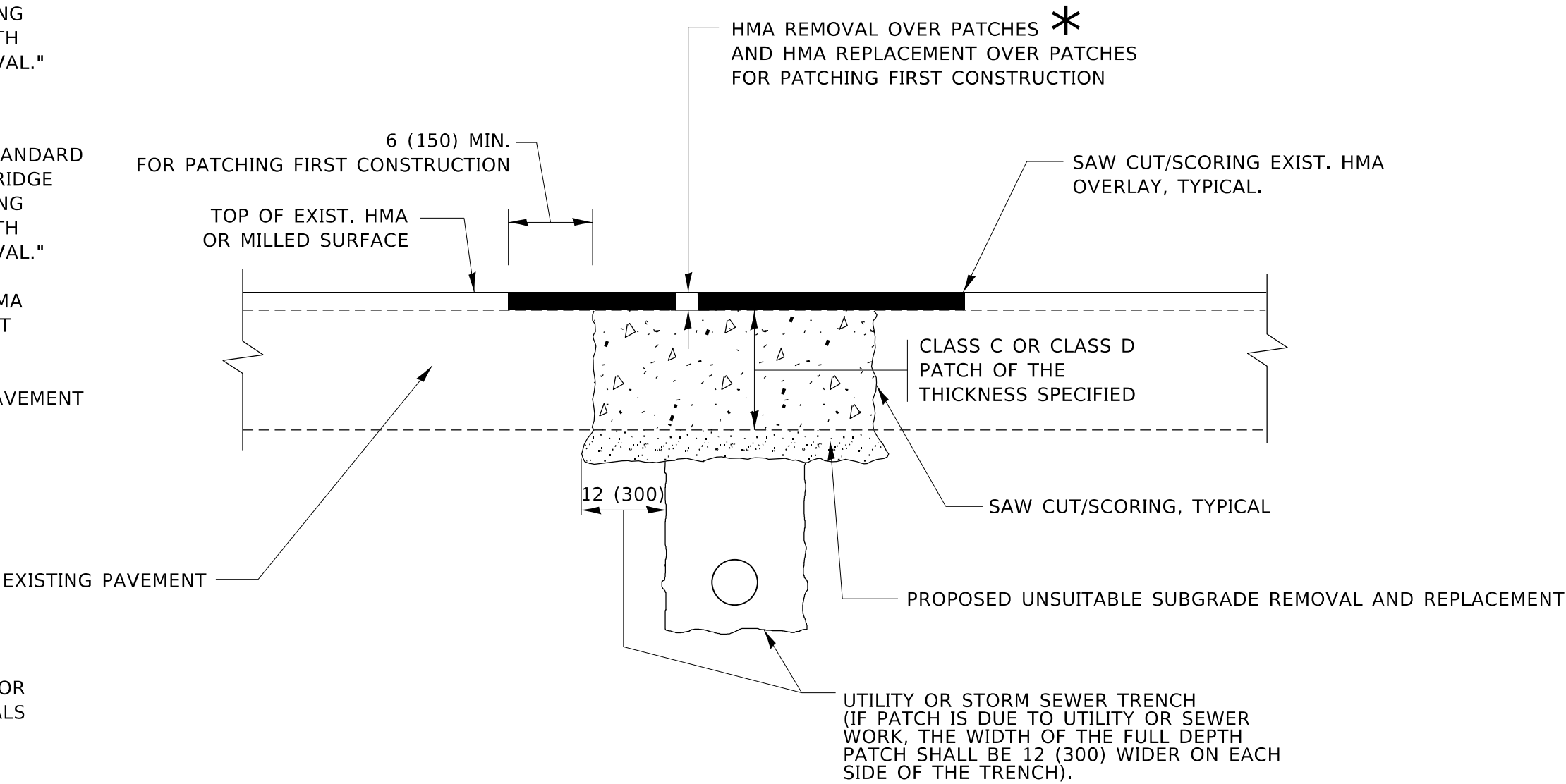
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	2021-085-R5	COOK	61	47
BD600-03 (BD-08)		CONTRACT NO. 62N98		
		ILLINOIS	FED. AID PROJECT	

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.



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)

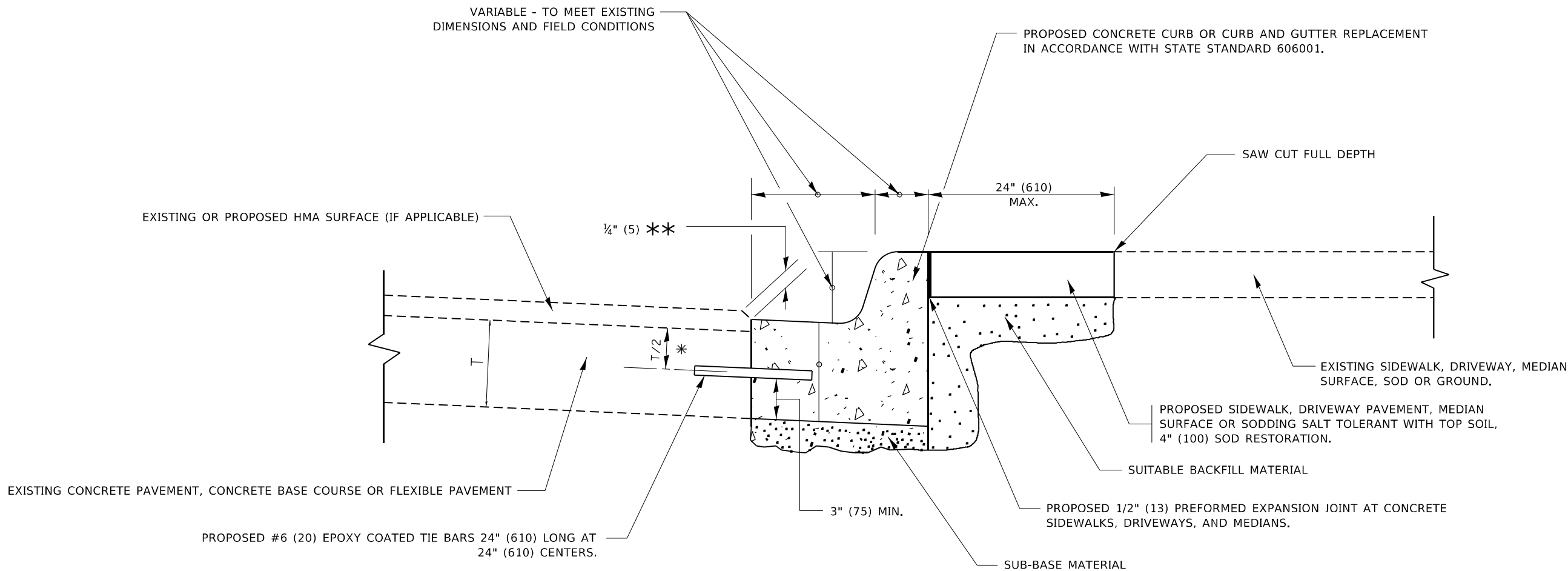
- 1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
- 2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

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	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - K. ENG 10-27-08					BD400-04 (BD-22) CONTRACT NO. 62N98				
	PLOT DATE = 2/24/2022	DATE - 10-25-94	REVISED - K. SMITH 02-01-22					ILLINOIS FED. AID PROJECT				
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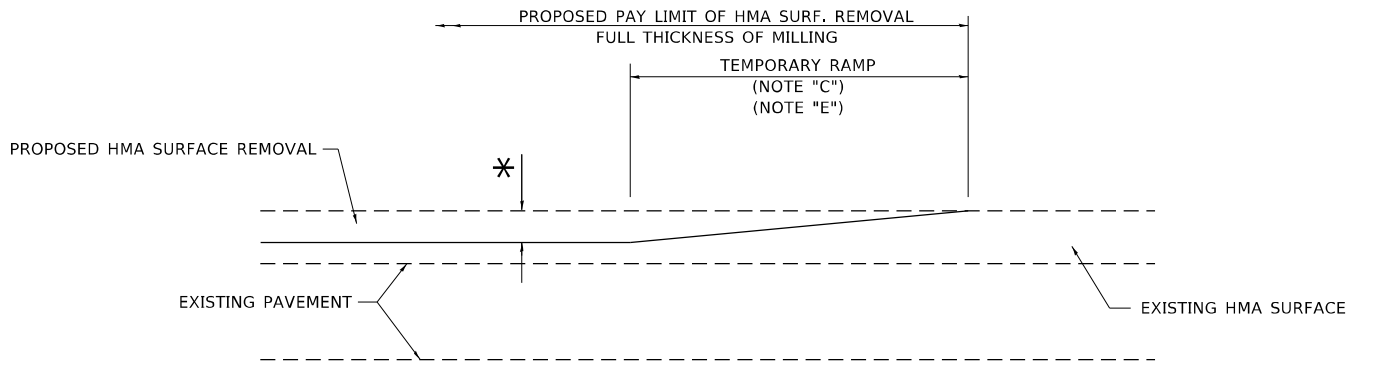


- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

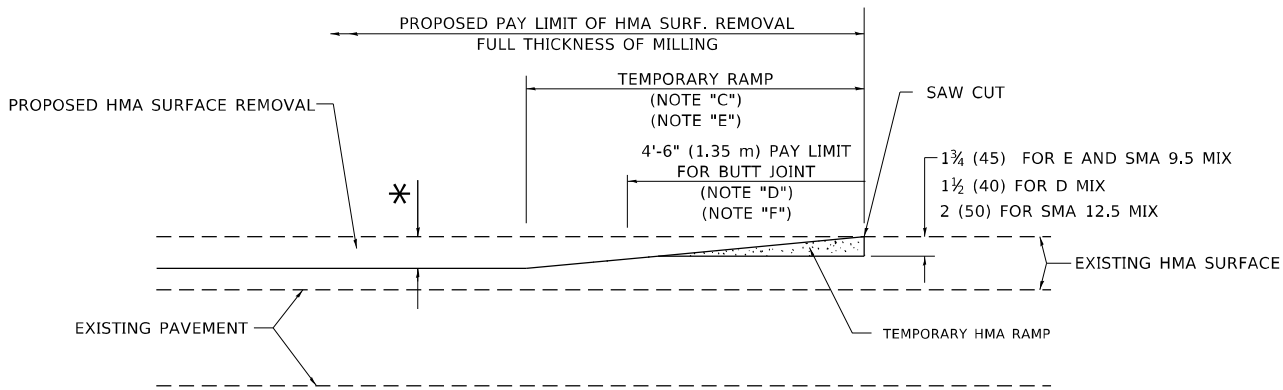
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

	USER NAME = qarutnm	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - M. GOMEZ 01-22-01					2845	2021-085-R5	COOK	61	49
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - R. BORO 12-15-09		BD600-06 (BD-24)			CONTRACT NO. 62N98				
	PLOT DATE = 2/24/2022	DATE - 03-11-94	REVISED - K. SMITH 07-11-19		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

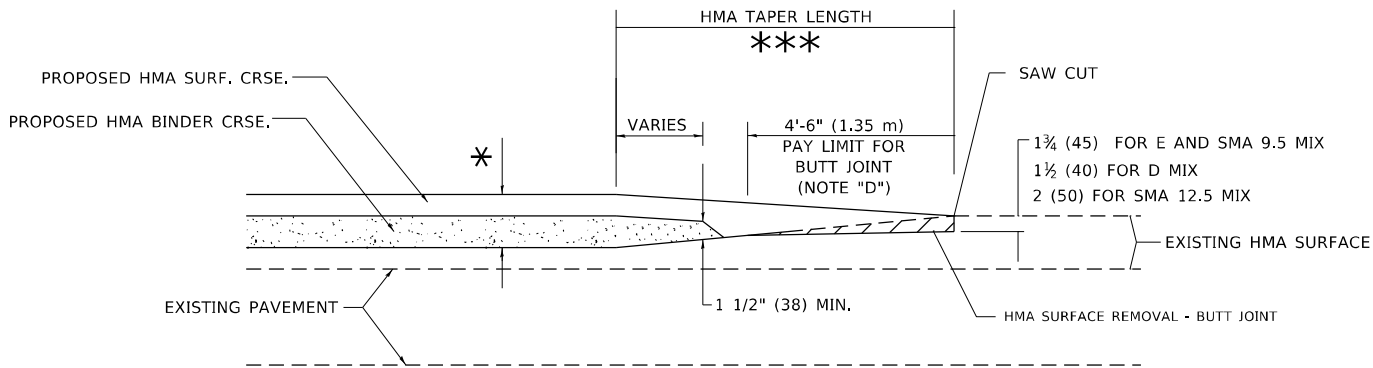
OPTION 1



HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

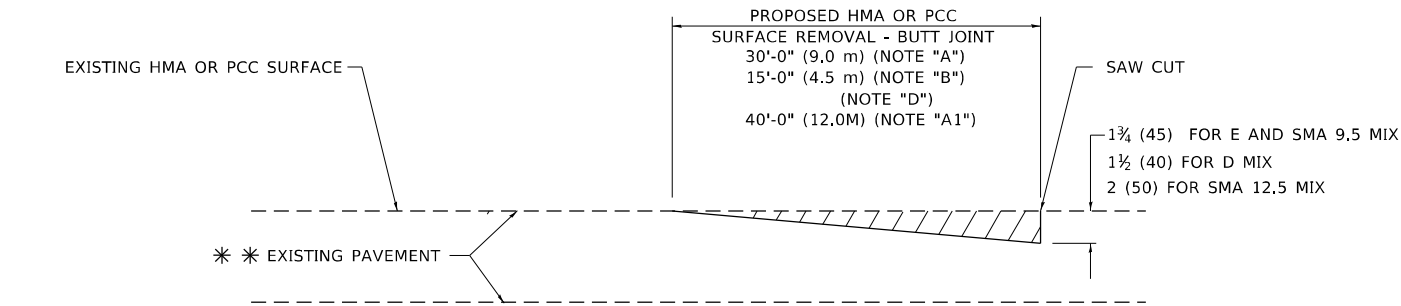
OPTION 2

TYPICAL TEMPORARY RAMP

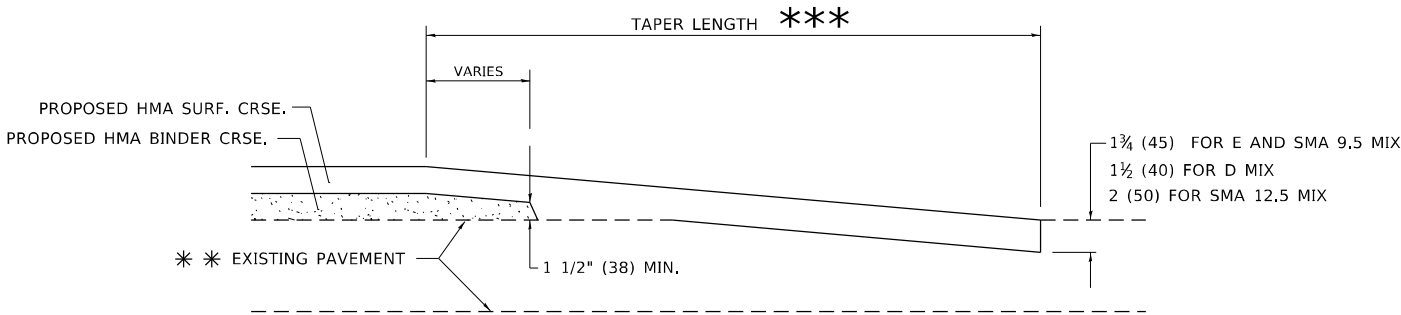


**BUTT JOINT AND
HMA TAPER**

**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 = qarutnm	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 = 2/24/2022	DATE - 06-13-90	REVISED - K. SMITH 02-01-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	2021-085-R5	COOK	61	50
BD400-05 BD-32		CONTRACT NO. 62N98		
		ILLINOIS	FED. AID PROJECT	



DETAIL B

GENERAL NOTES

CENTERLINE RUMBLE STRIPS SHALL BE CONTINUOUS THROUGH CONNECTIONS OF SIDEROADS WITH NO LEFT TURN LANES.

WHERE USED, ADJUST SPACING OF RAISED REFLECTIVE PAVEMENT MARKERS TO FALL IN WIDER GAP BETWEEN RUMBLE STRIPS.

BASIS OF PAYMENT

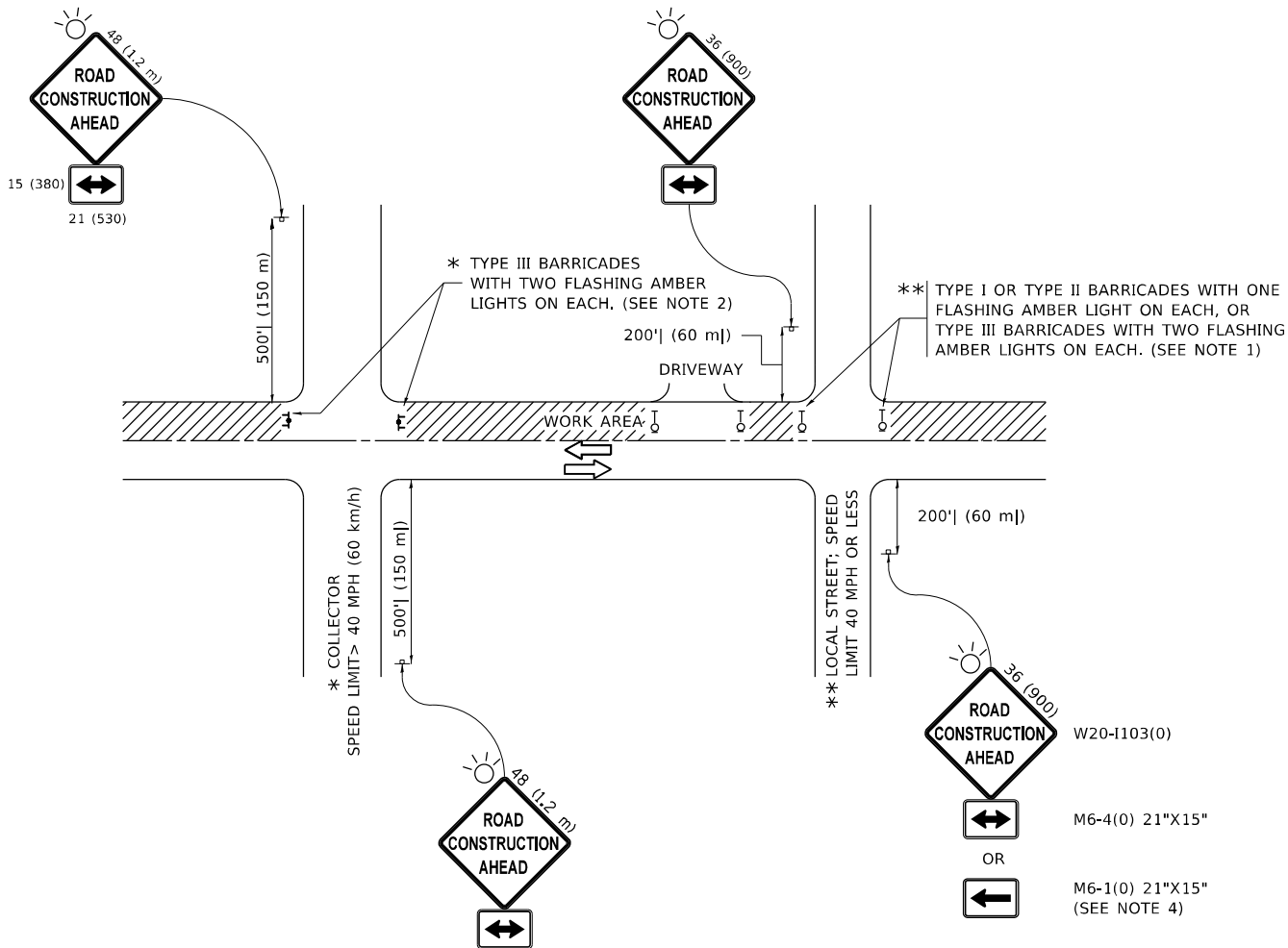
HOT-SPRAY THERMOPLASTIC PAVEMENT MARKING WILL BE USED OVER THE RUMBLE STRIPS, AND WILL BE PAID FOR SEPARATELY.



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	2021-085-RS	COOK	61	51
BD 55		CONTRACT NO. 62N98		
ILLINOIS		FED. AID PROJECT		

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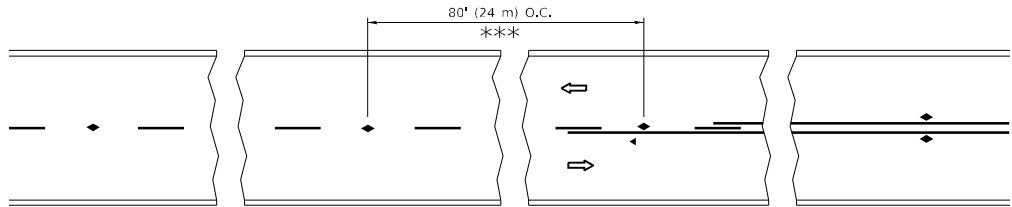


NOTES:

- 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.

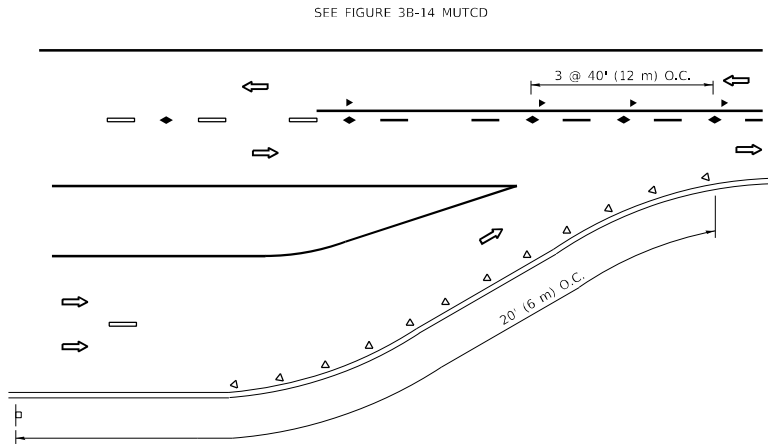
All dimensions are in inches (millimeters)
unless otherwise shown.

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	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13			TC-10					CONTRACT NO. 62N98				
	PLOT DATE = 2/24/2022	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16			SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.				
						ILLINOIS FED. AID PROJECT									

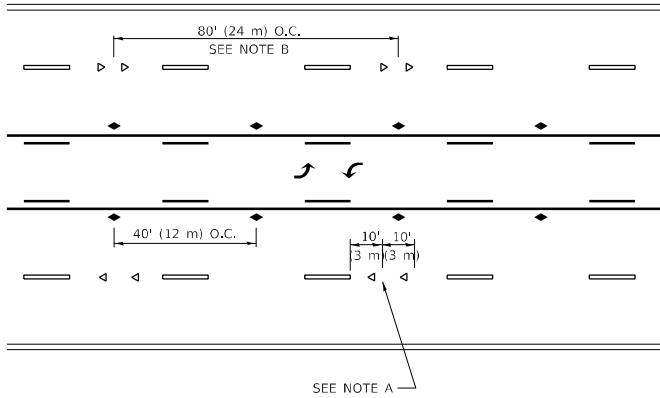


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

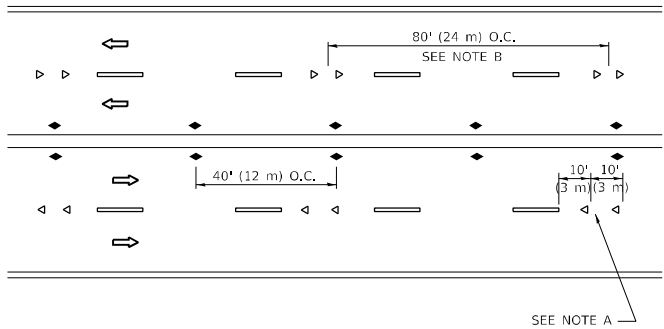
TWO-LANE/TWO-WAY



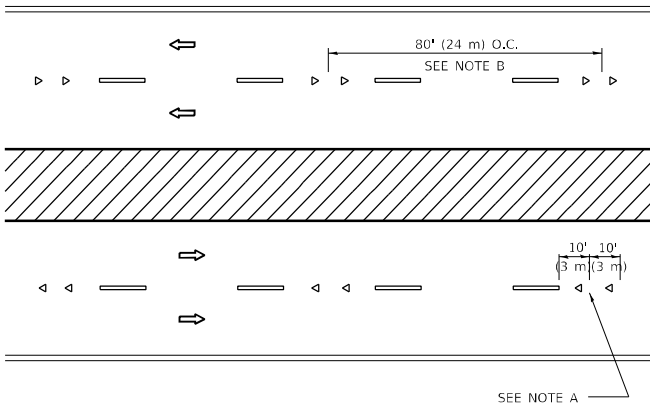
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



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.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

LANE MARKER NOTES

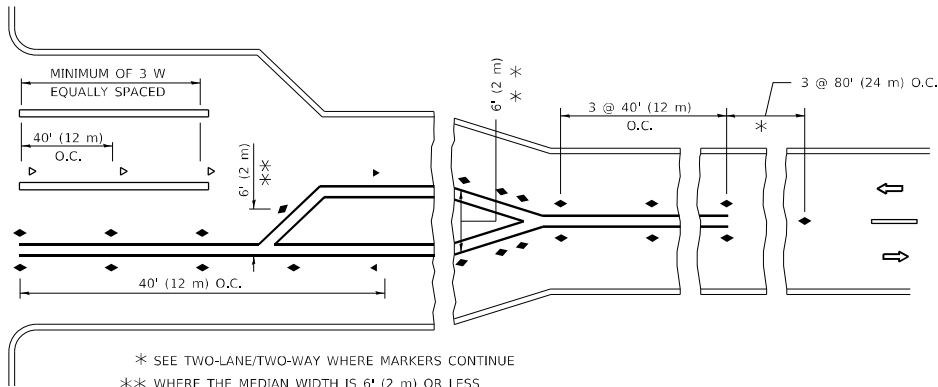
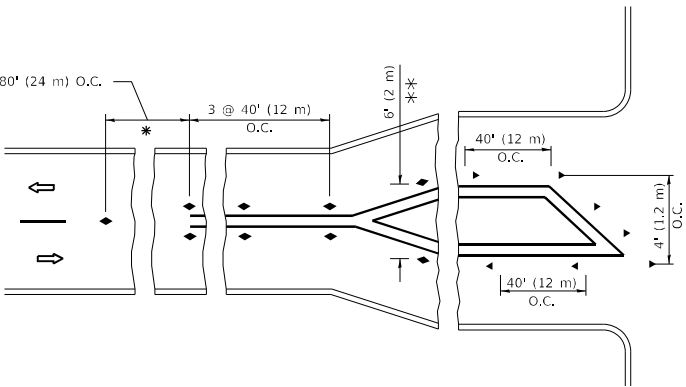
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

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.



TURN LANES

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

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DRAWN -	REVISED - T. RAMMACHER 01-06-00	
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PLOT DATE = 2/24/2022	DATE -	REVISED - C. JUCIUS 07-01-13

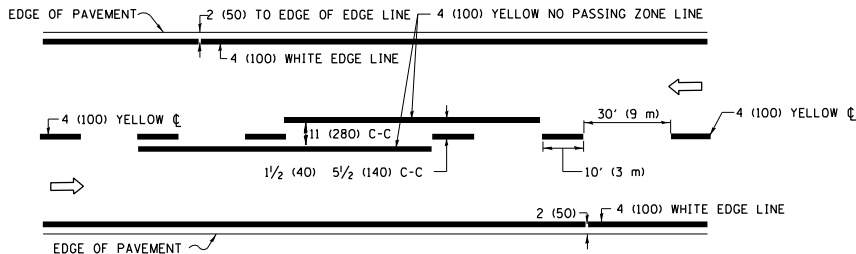
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

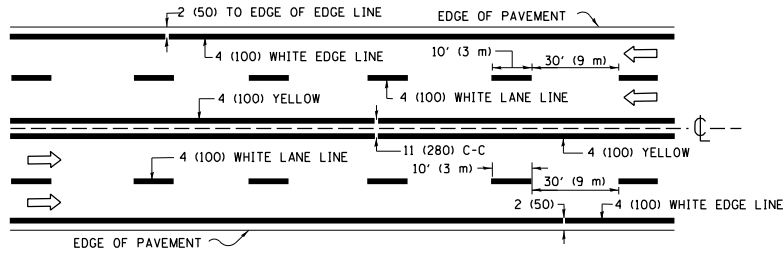
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-11		CONTRACT NO. 62N98		
		ILLINOIS	FED. AID PROJECT	

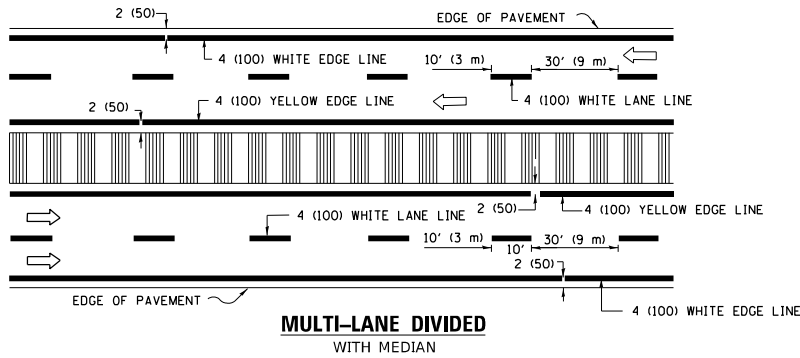
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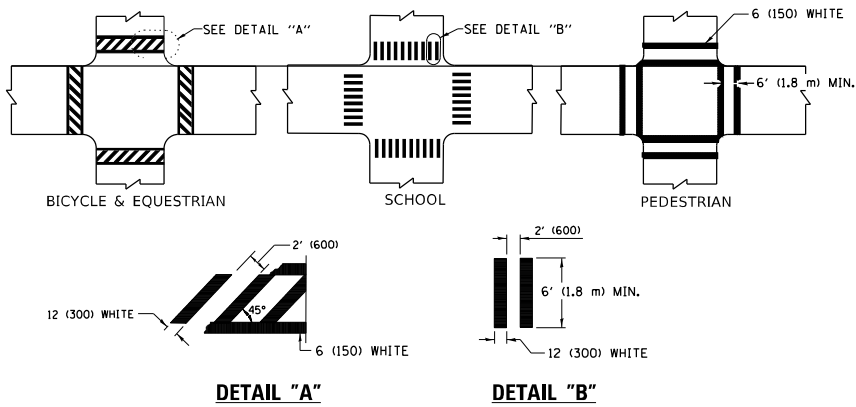
2-LANE ROADWAY



MULTI-LANE UNDIVIDED

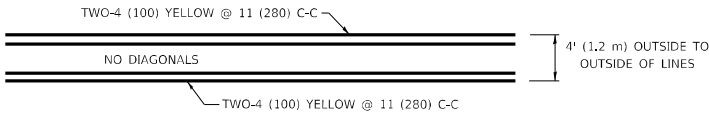


TYPICAL LANE AND EDGE LINE MARKING

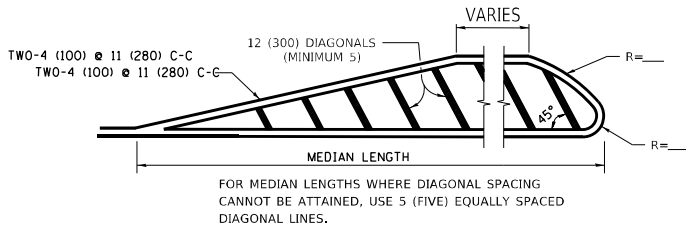


TYPICAL CROSSWALK MARKING

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

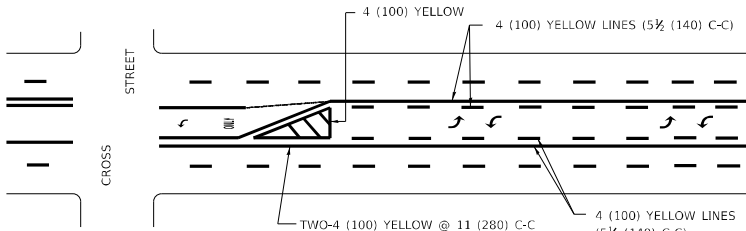


4' (1.2 m) WIDE MEDIANS ONLY

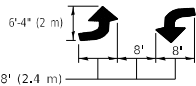


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

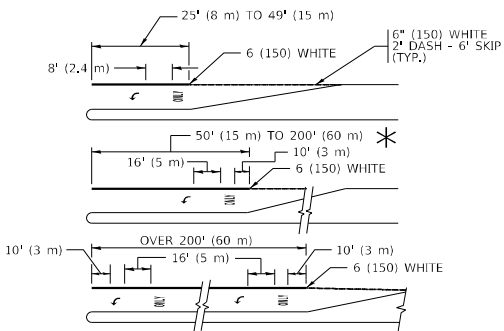


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

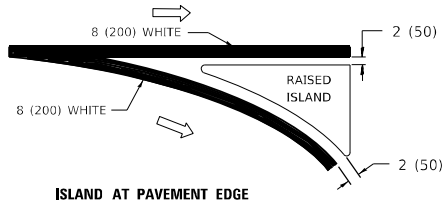
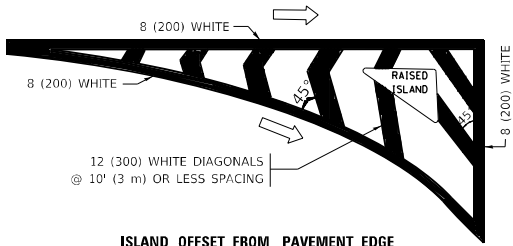


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

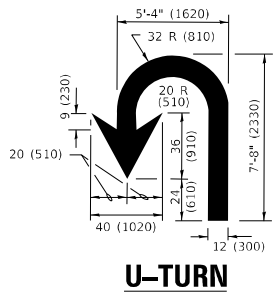
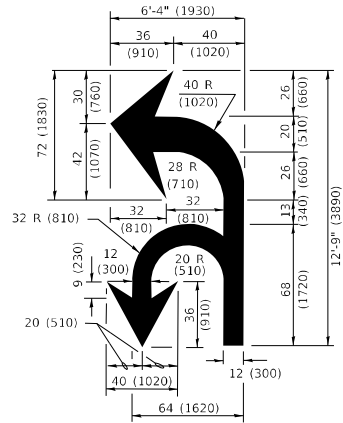
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING



LANE REDUCTION TRANSITION

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY 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; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGTUDINAL 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" 15 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.

USER NAME = qarutnm	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
DRAWN -	REVISED - C. JUCIUS 07-01-13	REVISED - C. JUCIUS 12-21-15
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 04-12-16
PLOT DATE = 2/24/2022	DATE - 03-19-90	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	2021-085-R5	COOK	61	54
TC-13		CONTRACT NO. 62N98		
		ILLINOIS	FED. AID PROJECT	

TURN BAY ENTRANCE AT START
OF LANE CLOSURE TAPER

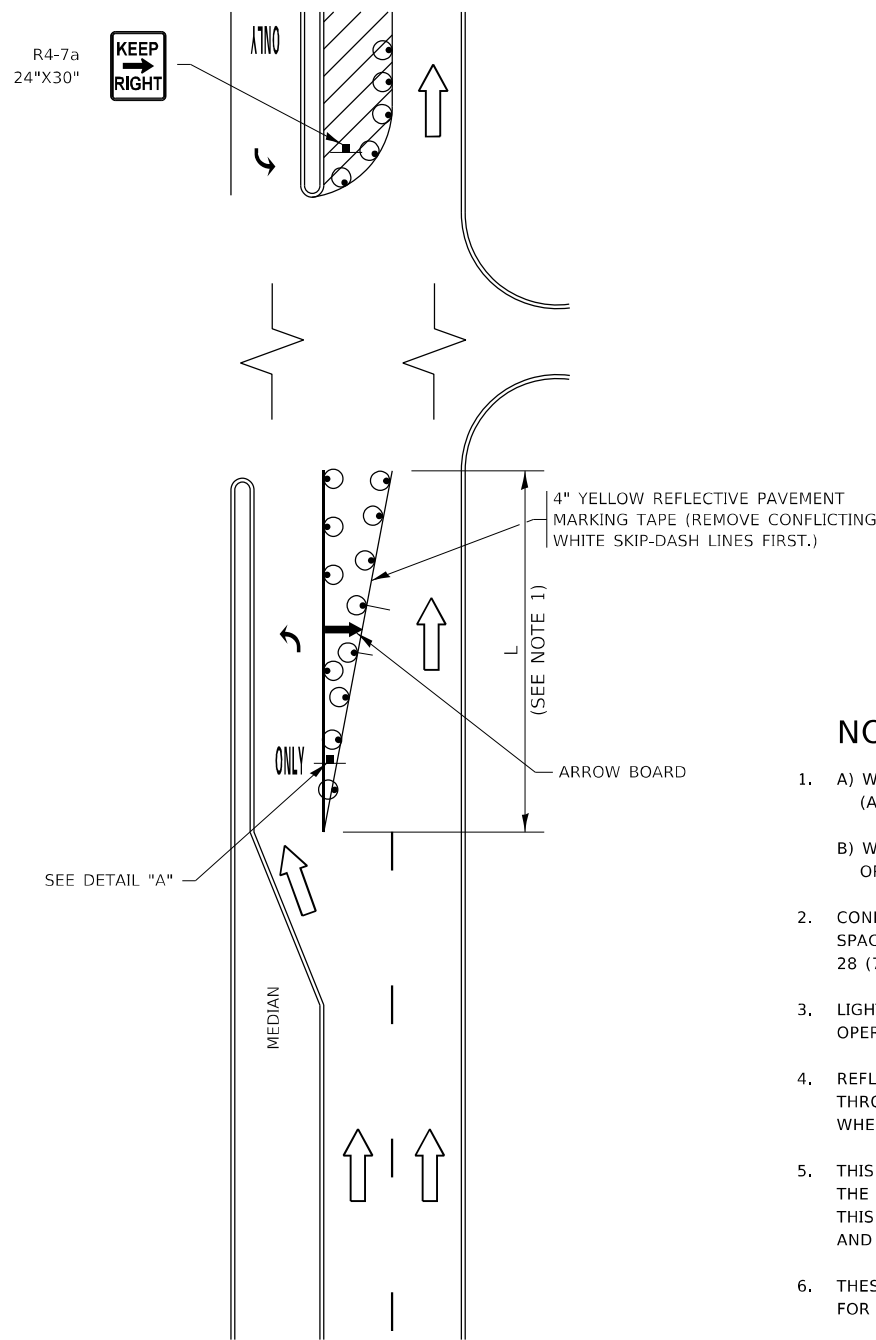


FIGURE 1

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

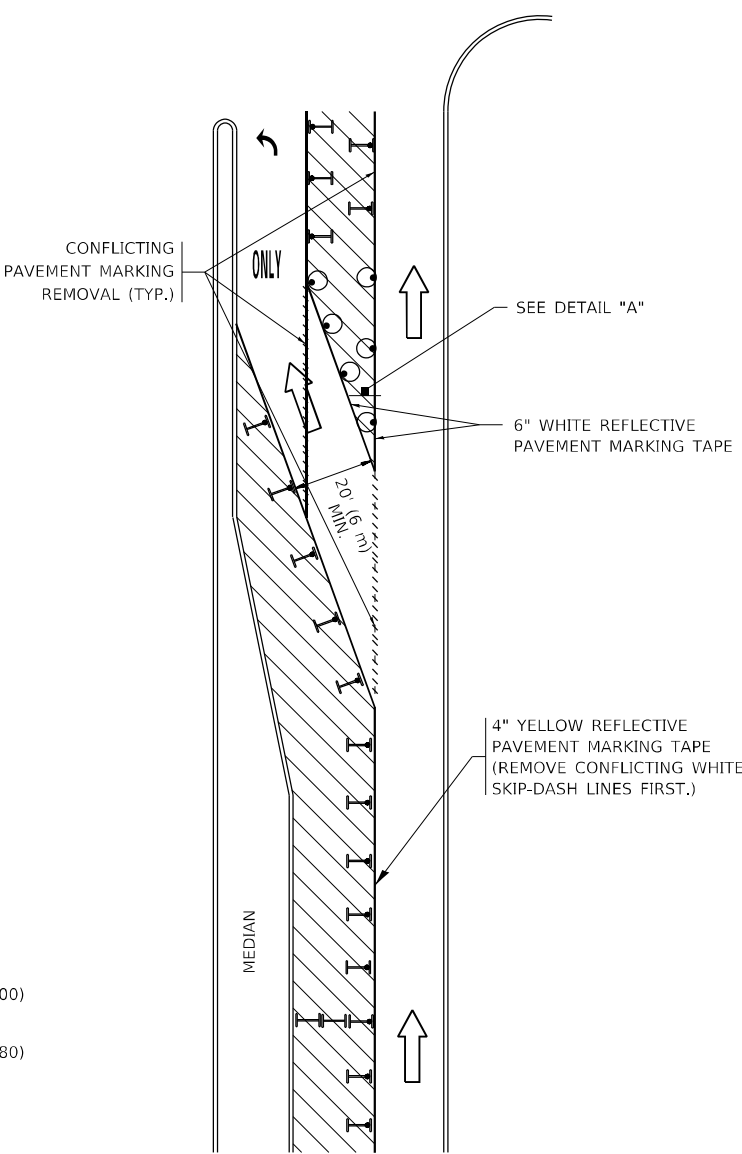
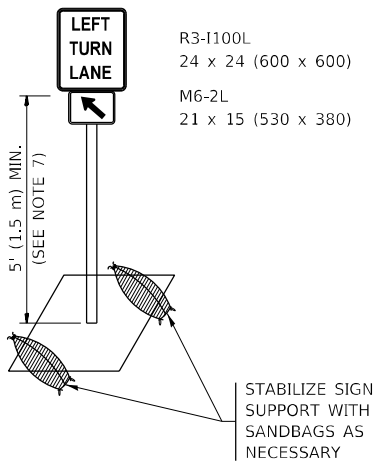


FIGURE 2



DETAIL A

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

MODEL: Default
FILE: 2021-085-RS-TC-14-01.dwg
PROJECT: 2021-085-RS-TC-14-01
USER: qarutnm
DATE: 2/24/2022

USER NAME = qarutnm	DESIGNED - T. RAMMACHER 09-08-94
	DRAWN - A. HOUSEH 11-07-95
PLOT SCALE = 100,0000' / in.	CHECKED - A. HOUSEH 10-12-96
PLOT DATE = 2/24/2022	DATE - T. RAMMACHER 01-06-00

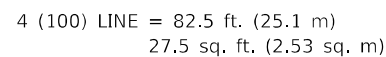
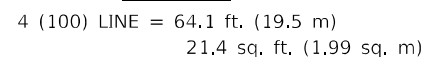
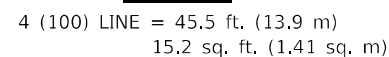
REVISED - R. BORO 09-14-09
REVISED - A. SCHUETZE 07-01-13
REVISED - A. SCHUETZE 09-15-16
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

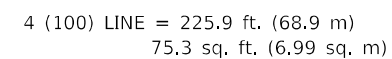
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	2021-085-RS	COOK	61	55
TC-14		CONTRACT NO. 62N98		
		ILLINOIS	FED. AID PROJECT	

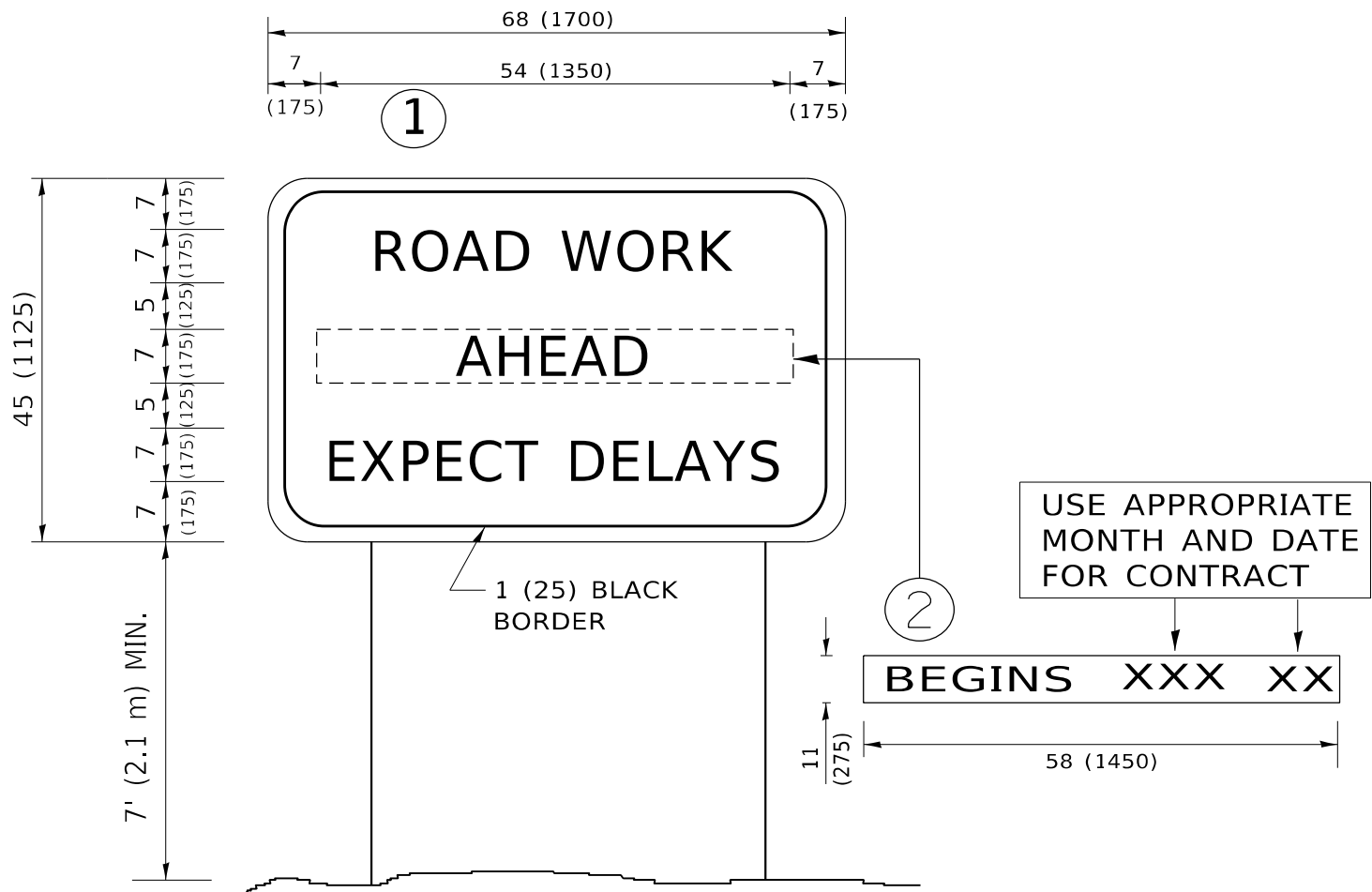


ALL QUANTITIES OF PLACEMENT ARE REPRESENTED
IN LINEAR FEET OF 4" LINES TO MATCH THE
4" TEMPORARY TAPE PAY ITEM AND REPRESENTS
THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	2021-085-RS	COOK	61	56
TC-16		CONTRACT NO. 62N98		
	ILLINOIS	FED. AID PROJECT		

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NOTES:

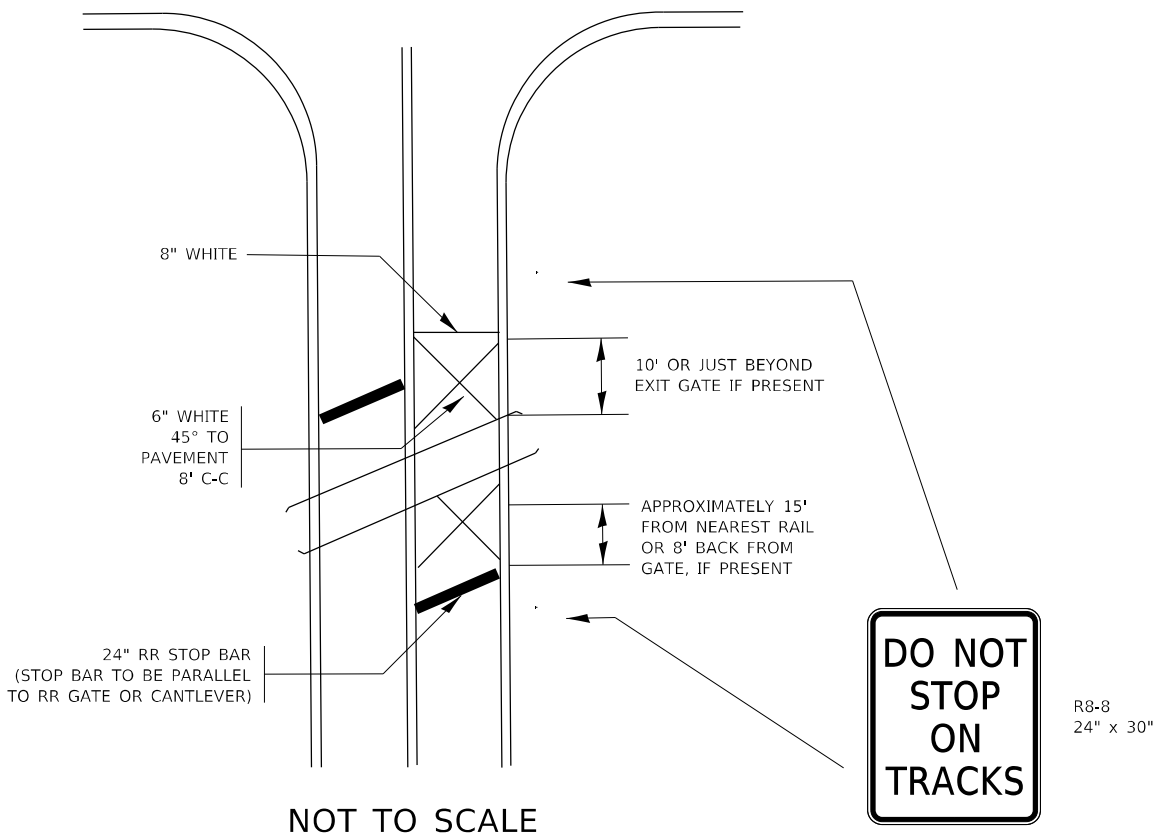
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN①WITH INSTALLED PANEL②ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL②SOON AFTER THE START OF CONSTRUCTION.
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.

	USER NAME = qarutnm	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. MIRS 12-11-97						2845	2021-085-RS	COOK	61	57
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -T. RAMMACHER 02-02-99		TC-22		CONTRACT NO. 62N98						
	PLOT DATE = 2/24/2022	DATE -	REVISED - C. JUCIUS 01-31-07		ILLINOIS FED. AID PROJECT								
				SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.					

TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS

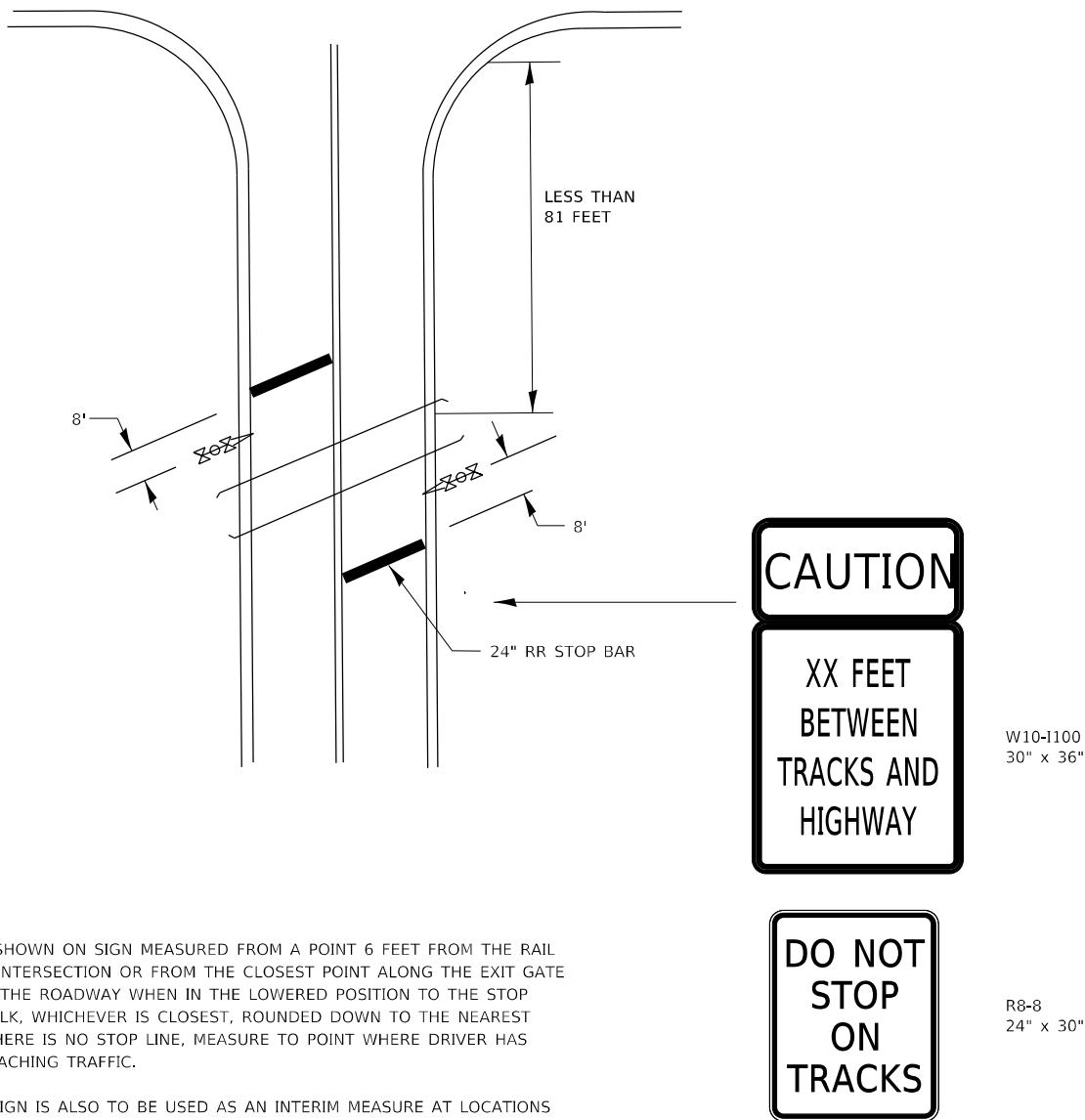
WITH SIGNALIZED INTERSECTION



NOTE:

- PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED THE PAVEMENT MARKINGS EXTEND TO THE INTERSECTION. (SEE DETAIL FOR PRE-SIGNALS).

WITH NON-SIGNALIZED INTERSECTION 81' OR LESS TO CLOSEST RAIL



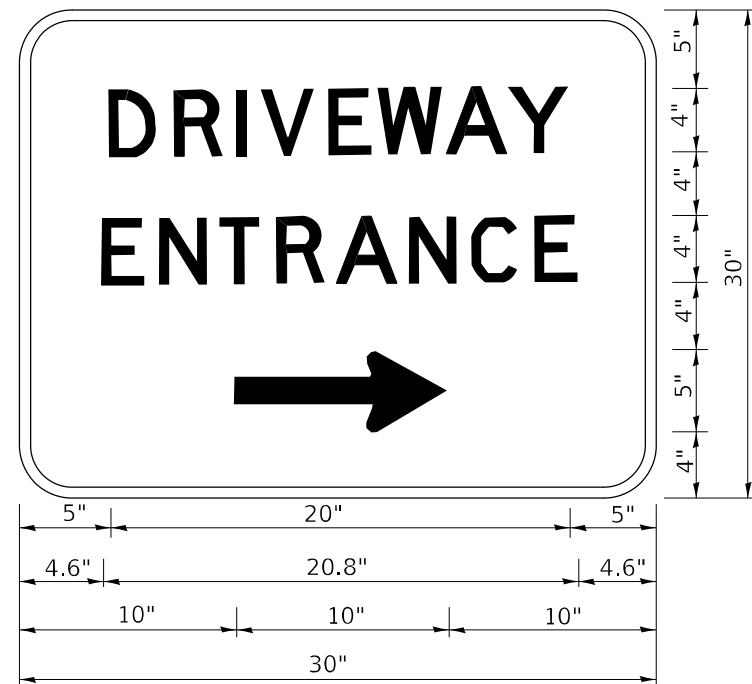
NOTE:

- DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICHEVER IS CLOSEST, ROUNDED DOWN TO THE NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
- THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKING EXTEND TO THE INTERSECTION.

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

MODEL: Default
FILE: \\na11c-arw\ultra-arw-bentley.com\PIV\DOT\Documents\DOT Offices\District 1\Projects\0118121-CADD\ata\Design\BtStd.dgn

	USER NAME = qarutnm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -									
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -					2845	2021-085-RS	COOK	61	59
	PLOT DATE = 2/24/2022	DATE -	REVISED -					TC-23		CONTRACT NO. 62N98		
								ILLINOIS FED. AID PROJECT				
					SCALE: NONE	SHEET 2	OF 2	SHEETS	STA.	TO STA.		



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:\ultra-cw-bentley.com\PIV\DOT\Documents\DOT Office\District 1\Projects\011812\CADData\Design\DistStd.dgn

USER NAME = qarutnm	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/24/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

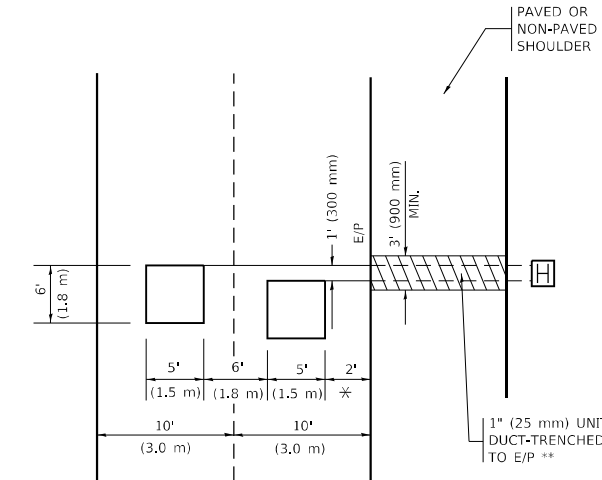
DRIVEWAY ENTRANCE SIGNING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	2021-085-R5	COOK	61	60
TC-26		CONTRACT NO. 62N98		
		ILLINOIS	FED. AID PROJECT	

LOOPS NEXT TO SHOULDERS

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

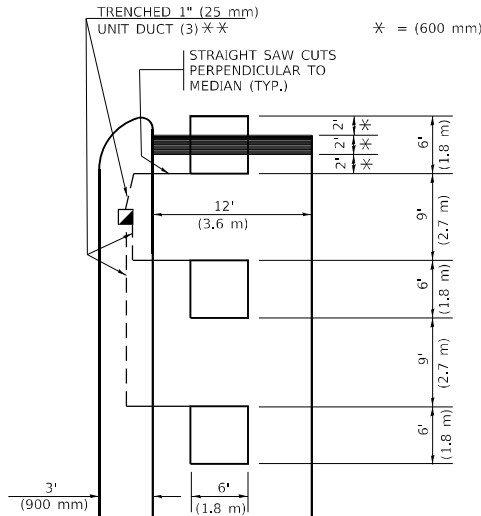


* = (600 mm)

** 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)

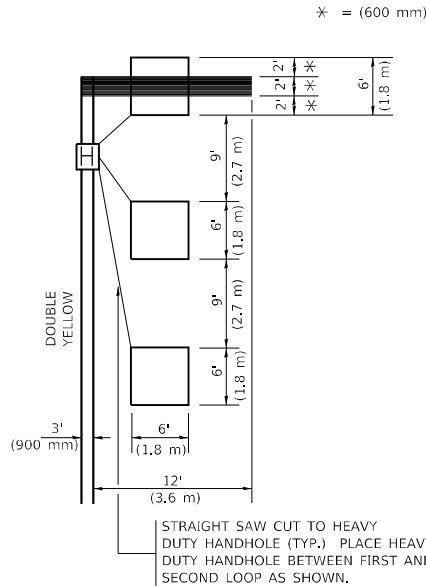
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



** 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

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.

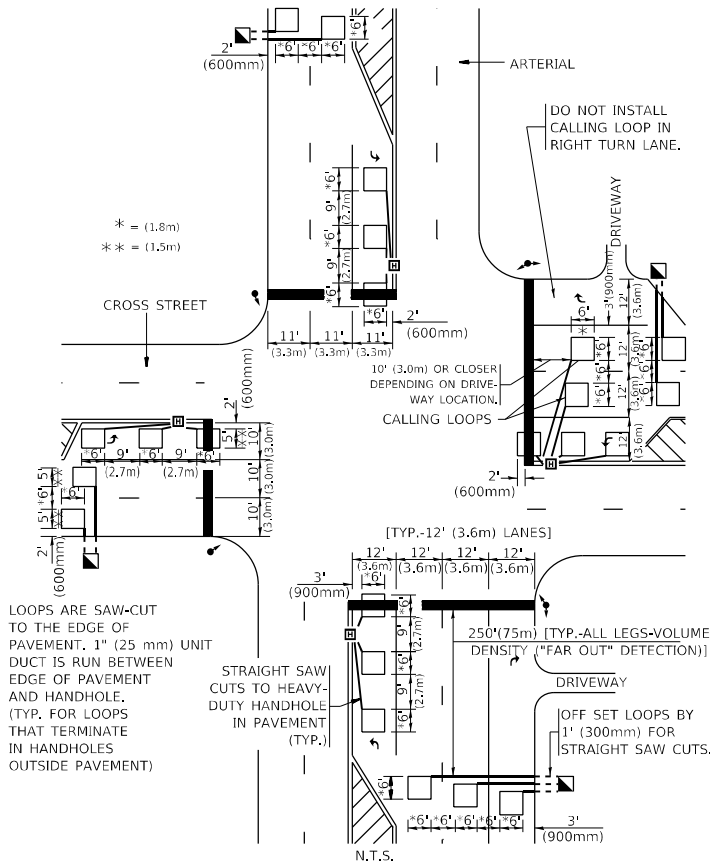
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

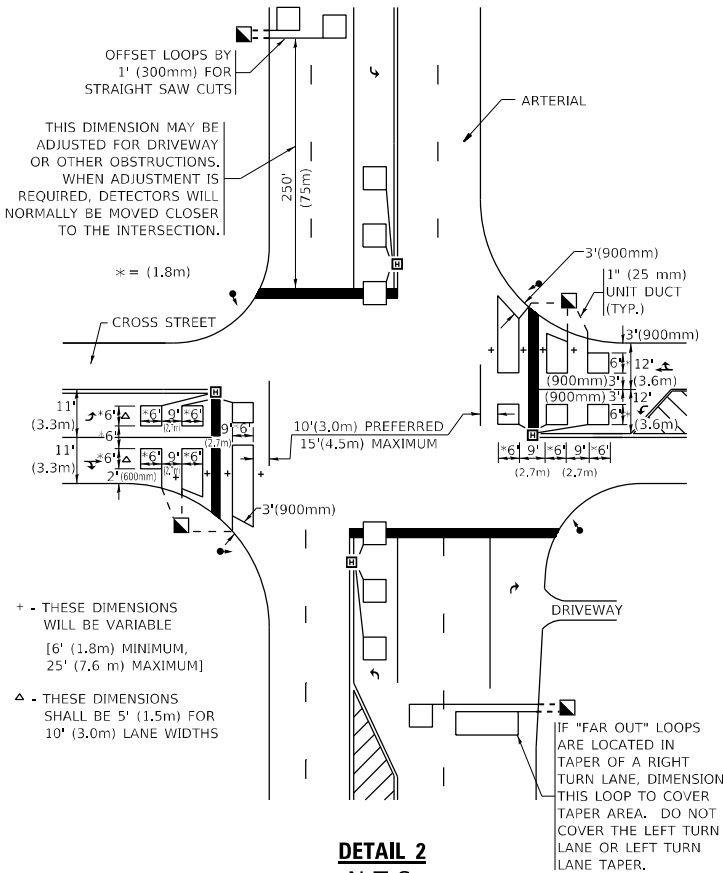
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 – DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2845	2021-085-R5	COOK	61	61
TS-07		CONTRACT NO. 62N98		
		ILLINOIS FED. AID PROJECT		