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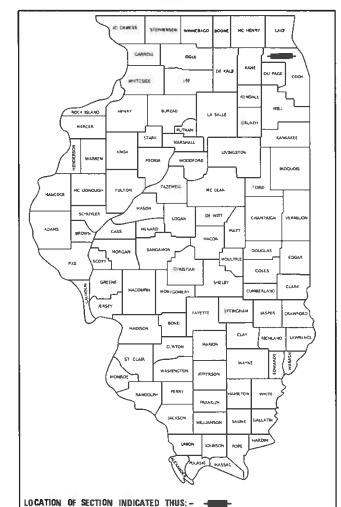
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# STATE OF ILLINOIS

## **DEPARTMENT OF TRANSPORTATION**

#### 

#### D-91-493-20



FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN THE VILLAGE OF:
SOUTH BARRINGTON, PALATINE
AND HOFFMAN ESTATES

TRAFFIC DATA

ADT 2019: 24700 - 30100 VPD

SPEED LIMIT: 45 MPH

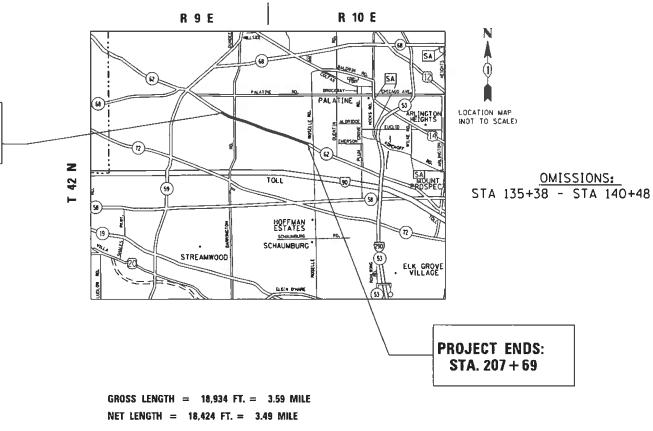
# PROPOSED HIGHWAY PLANS

FAP ROUTE 339: IL 62 (ALGONQUIN RD.) PENNY RD. TO PORT CENTER DR.

**SECTION 2020-094-1** 

CRACK & JOINT SEALING COOK COUNTY

C-91-291-20



0 100' 200' 300' 1"= 100'
0 50' 100'
0 50' 100'
1"= 40'
0 50' 100' 1"= 30'
0 50' 100' 1"= 30'

PROJECT BEGINS: STA. 18 + 35

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: DAN WILGREEN (847) 705–4240
PROJECT MANAGER: FAWAD AQUEEL (847) 705–4247

CONTRACT NO. 62L72

STATE OF ILLINDIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 20 20 20 REGIONAL ENGINEER

October 2, 2020

ENGINEER OF DESIGN AND ENVIRONMENT

October 2, 2020

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV-SE

#### INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
3-4	SUMMARY OF QUANTITIES
5-6	EXISTING CROSS SECTIONS
7-13	PROPOSED PLANS AND PAVEMENT MARKING PLANS
14	CRACK & JOINT SEALING DETAIL
15	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT DETAIL (BD-24)
16	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
17	TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) (TC-11)
18	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
19	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
20	SHORT-TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
21	ARTERIAL ROAD INFORMATION SIGNING (TC-22)
22	DRIVEWAY ENTRANCE SIGNING (TC-26)

#### **STANDARDS**

000001-07

442101-09	CLASS B PATCHES
701006-05	OFF ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24' (600 MM) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS- DAY ONLY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS > 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS < 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE 1W OR 2W WITH NONTRANSVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN SINGLE LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

#### **GENERAL NOTES**

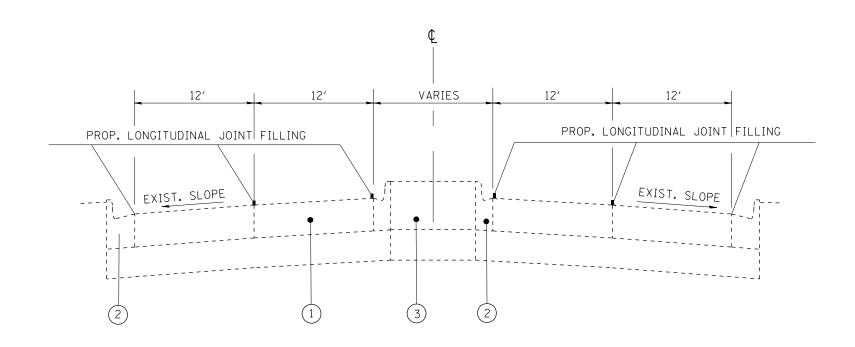
- 1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E". AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- 2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES OF THE VILLAGE OF SOUTH BARRINGTON AND VILLAGE OF HOFFMAN ESTATES.
- 3. 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.
- 4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 6. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR VIA EMAIL Kalpana, Kannan-Hosadurga@illinois.gov (FOR ARTERIALS) AND (847) 705-4151 (FOR EXPRESSWAYS) A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 7. ALL CRACK ROUTING & CRACK SEALING LOCATIONS WILL BE DETERMINATED IN THE FIELD BY TH ENGINEER.
- 8. CRACK ROUTING SHALL BE OMITTED WHERE VEHICLE DETECTOR LOOPS AND RAISED REFLECTIVE PAVEMENT MARKERS ARE PRESENT IN THE FIELD.
- 9. MODIFIED URETHANE PAVEMENT MARKING SHALL BE PLACED IMMEDIATELY AFTER CRACK & SEALER TEMPERATURE HAS COOLED DOWN AND DOES NOT AFFECT THE APPLICATION OF MODIFIED PAVEMENT MARKERS
- 10. THE ENGINEER SHALL CONTACT JOE ECKERT AREA TRAFFIC FIELD ENGINEER AT (847) 705-4412 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 11. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- 12. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

USER NAME = abunaimtm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 8/14/2020	DATE -	REVISED -

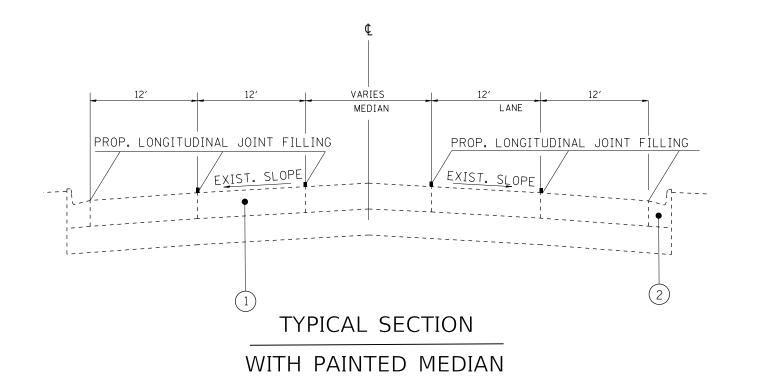
INDEX O	SHEETS, STA	TE STANDAF	DS AND	GENERAL NOTES	F.A.P RTE.
IL ROUTE 6	2 (ALGONQUIN	I RD.) (PENN	Y RD. TO	PORT CENTER DR.)	393
SCALE:	SHEET C	F SHEETS	STA.	TO STA.	<del>                                     </del>

	SUMMARY OF QUANTITIES				COI	NSTRUCTIO	N TYPE C	ODE			SLIMMA	ARY OF QUANTITIES				C	ONSTRUCT	ON TYPE (	ODE	
	SUMMANT OF GUARTITIES		TOTAL	0005							JUNINA	ANT OF COMMITTES		TOTAL	0005					
CODE NO	ITEM	UNIT	QUANTITIES URBAN	100% STATE						CODE NO		ITEM	UNIT	QUANTITIES URBAN	100% STATE					
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	16	16						70102625	TRAFFIC CON	TROL AND PROTECTION,	L SUM	1	1					
20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	16	16						70102630	TRAFFIC CON	TROL AND PROTECTION.	L SUM	1	1					
											STANDARD 70	1601								
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	16	16																
			11							70102632	TRAFFIC CON	TROL AND PROTECTION.	L SUM	1	1					İ
20101700	SUPPLEMENTAL WATERING	UNIT	8	8							STANDARD 70	1602								
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	800	800						70102635	TRAFFIC CON	TROL AND PROTECTION,	L SUM	1	1					
	TOPSOIL FURNISH AND PLACE, 4									1010200	STANDARD 70				.					+
25200110	SODDING, SALT TOLERANT	SO YD	800	800																+
										70102640	TRAFFIC CON	TROL AND PROTECTION,	L SUM	1	1					1
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SO YD	307	307							STANDARD 70	1801								
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SO YD	307	307					*	78009000	MODIFIED URI	ETHANE PAVEMENT MARKING -	SO FT	1607	1607					
											LETTERS AND	SYMBOLS								
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SO YD	307	307																<u> </u>
									*	78009004		ETHANE PAVEMENT MARKING -	F00T	52666	52666					
44201299	DOWEL BARS 1 1/2"	EACH	960	960							LINE 4"									
44213200	SAW CUTS	FOOT	4900	4900					*	78009006	MODIFIED URI	ETHANE PAVEMENT MARKING -	FOOT	8314	8314					
											LINE 6"									
45200100	JOINT OR CRACK ROUTING (PC CONCRETE	FOOT	12707	12707																
	PAVEMENT AND SHOULDER)								*	78009012	MODIFIED URI	ETHANE PAVEMENT MARKING -	FOOT	1673	1673					
											LINE 12"									
45200300	JOINT OR CRACK FILLING	POUND	36303	36303																
									*	78009024		ETHANE PAVEMENT MARKING -	F00T	1067	1067					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12							LINE 24"									
67100100	MOBILIZATION	L SUM	1	1						X4400501	COMBINATION	CURB AND GUTTER REMOVAL AND	FOOT	1800	1800					REV-SE
											REPLACEMENT LESS THAN OR EQUAL TO 10 FEET							• = SPE	CIALTY IT	
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Z0004562	COMBINATION CO	NCRETE CURB AND	FOOT	1800	1800														
	GUTTER REMOVAL	AND REPLACEMENT																	
Z0030850	TEMPORARY INF	FORMATION SIGNING	SO FT	52	52														
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# TYPICAL SECTION WITH CONCRETE MEDIAN



# LEGEND

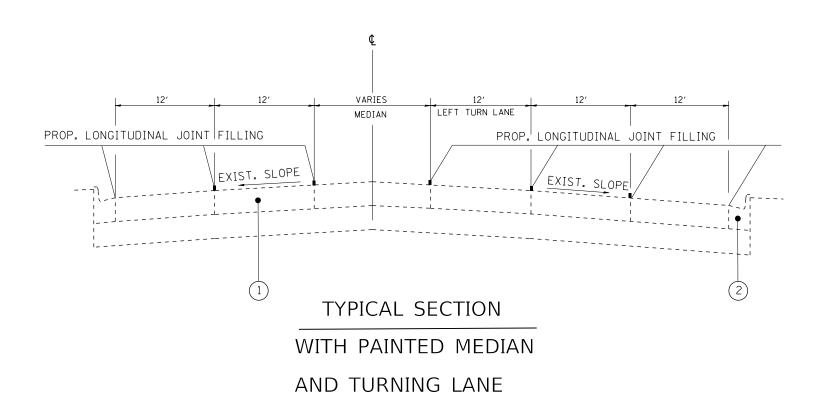
- (1) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT - 9 3/4"
- (2) EXISTING CURB AND GUTTER
- (3) EXISTING CONCRETE MEDIAN

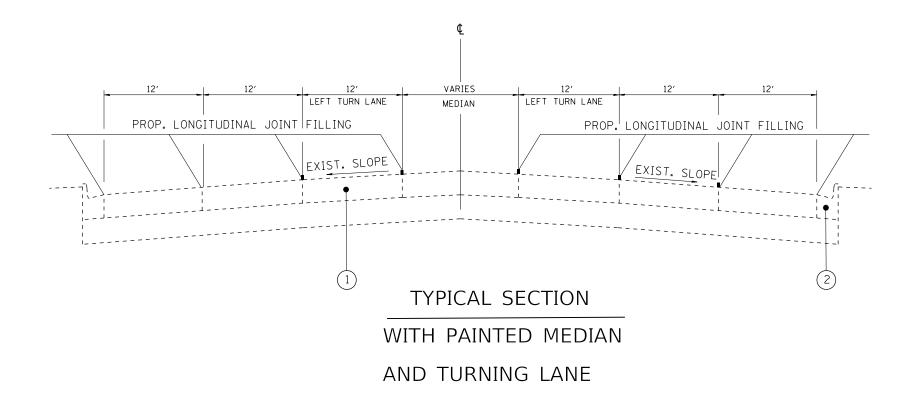
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING ROADWAY CROSS SECTION

IL ROUTE 62 (ALGONQUIN RD.) (PENNY RD. TO PORT CENTER DR.)

ALE: SHEET OF SHEETS STA TO STA





# <u>LEGEND</u>

- 1 EXISTING PORTLAND CEMENT CONCRETE PAVEMENT - 9 3/4"
- (2) EXISTING CURB AND GUTTER
- (3) EXISTING CONCRETE MEDIAN

EXISTING ROADWAY CROSS SECTION

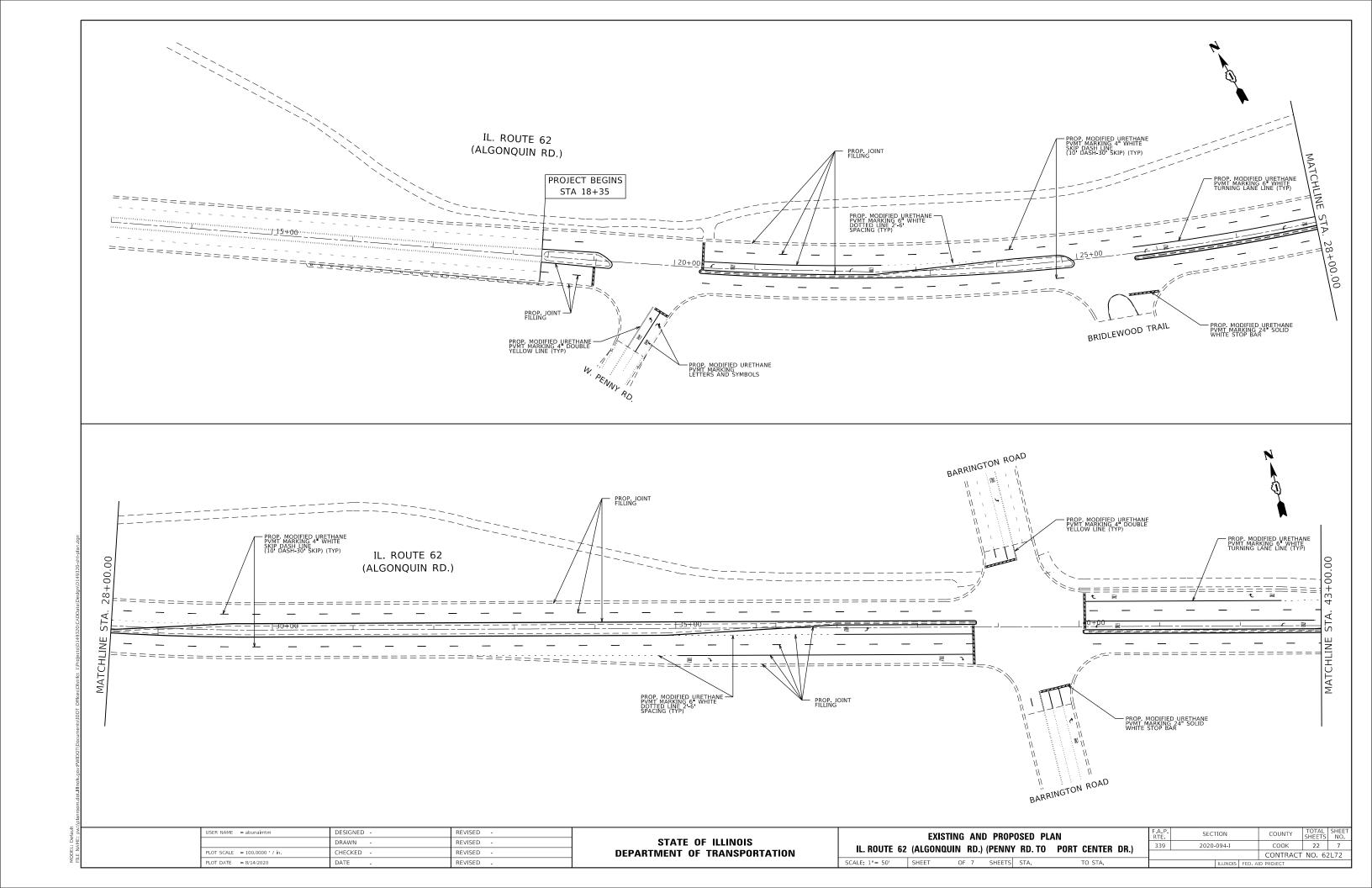
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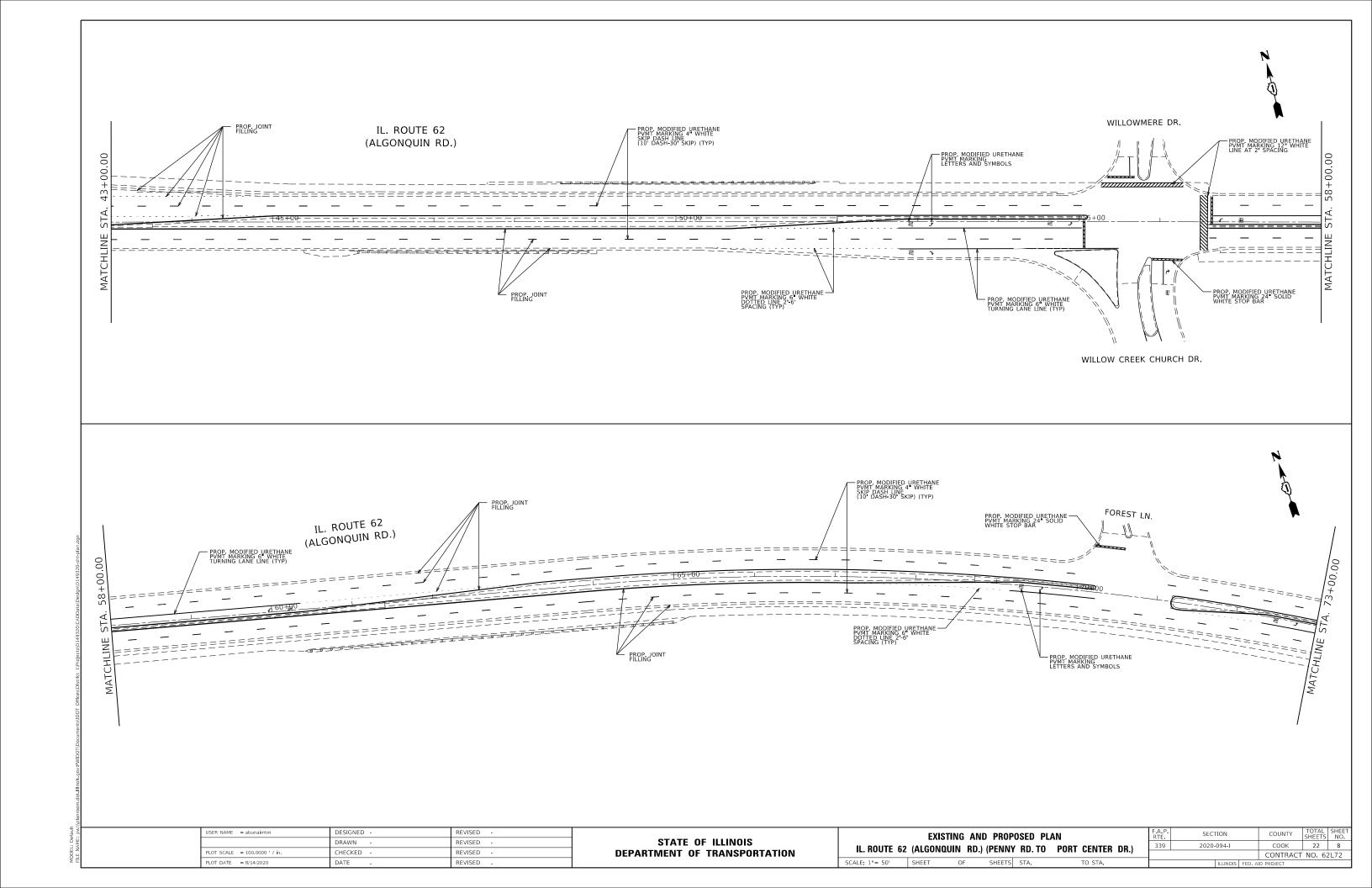
ALE: SHEET OF SHEETS STA TO STA

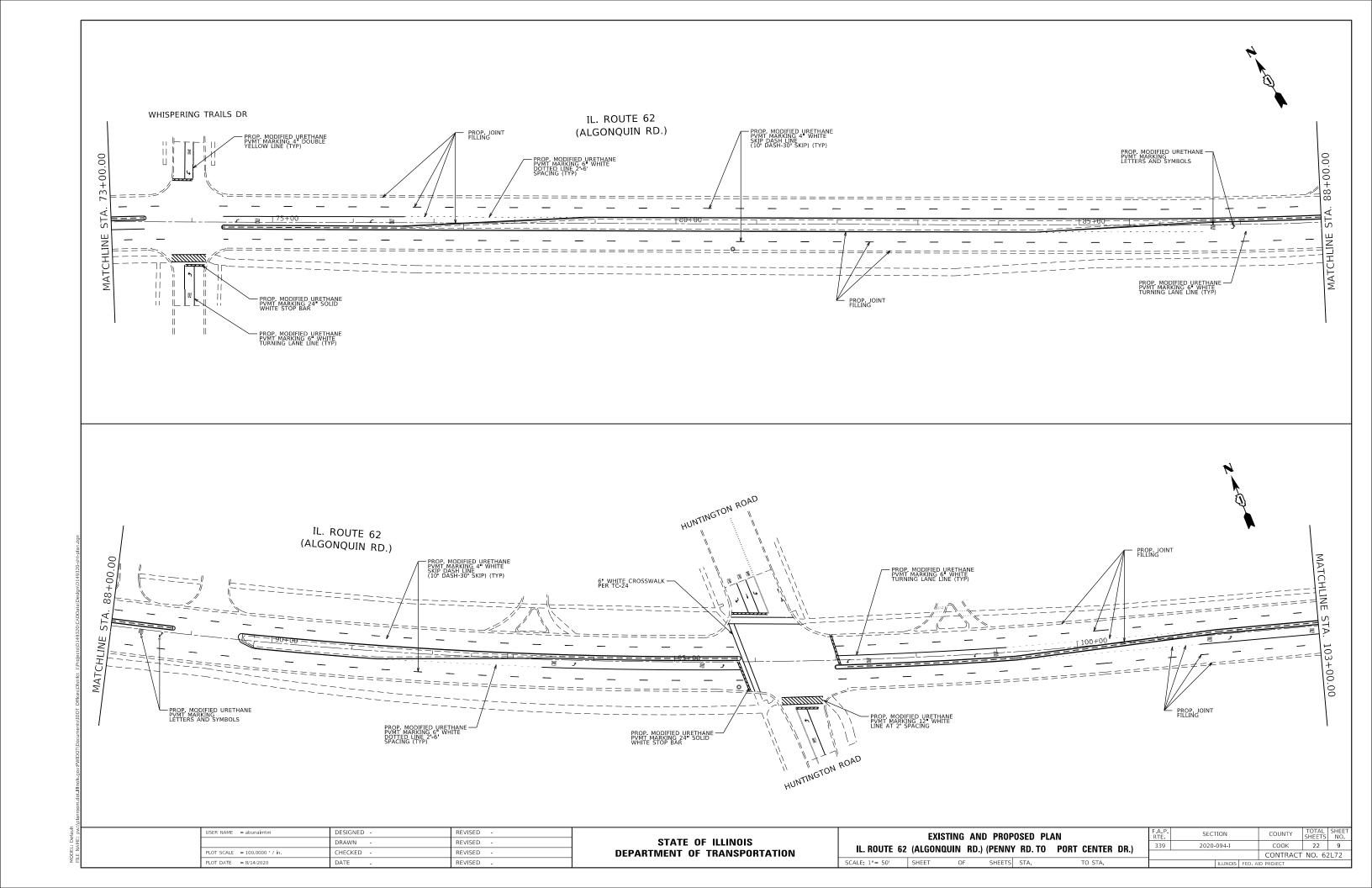
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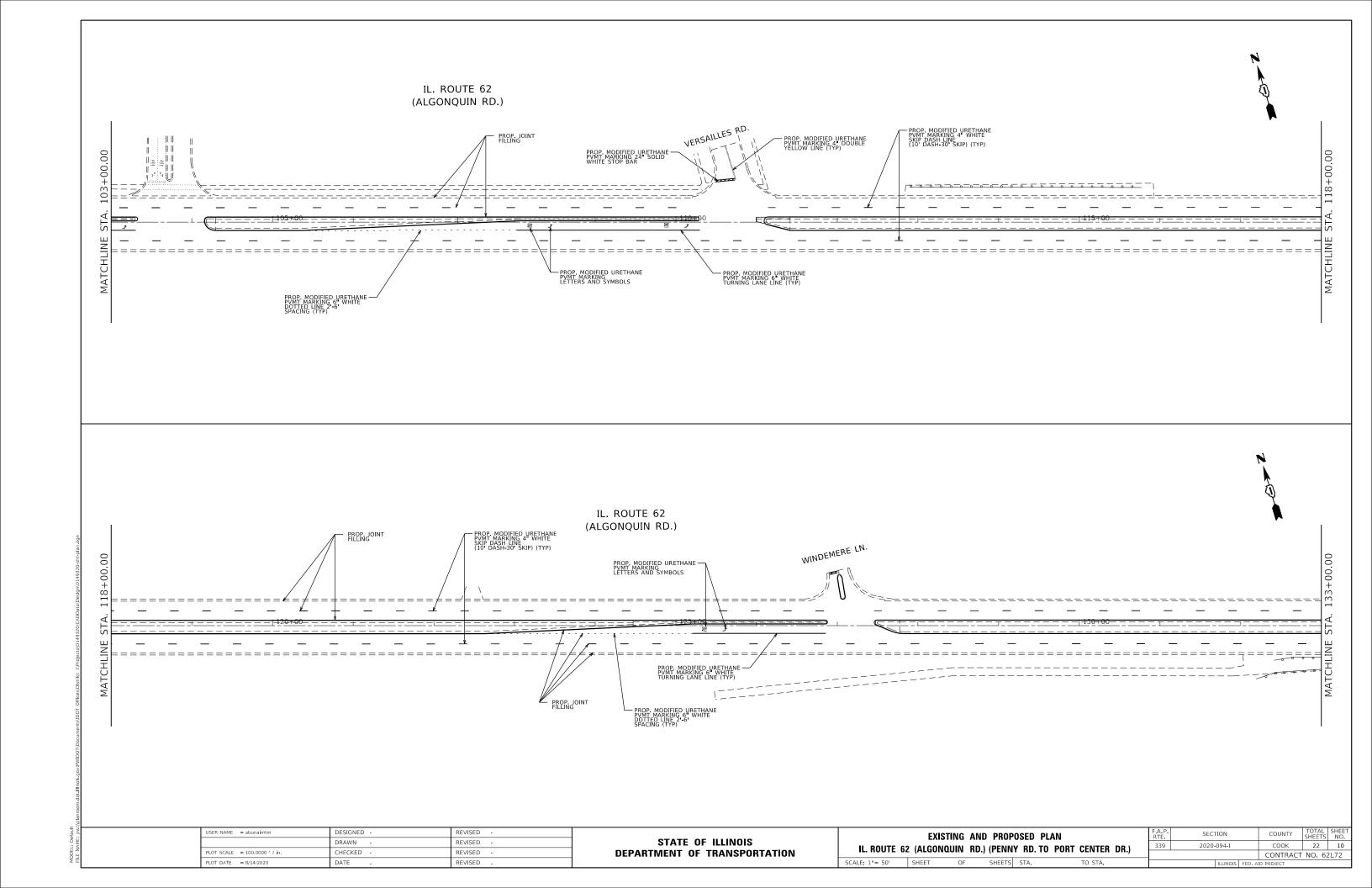
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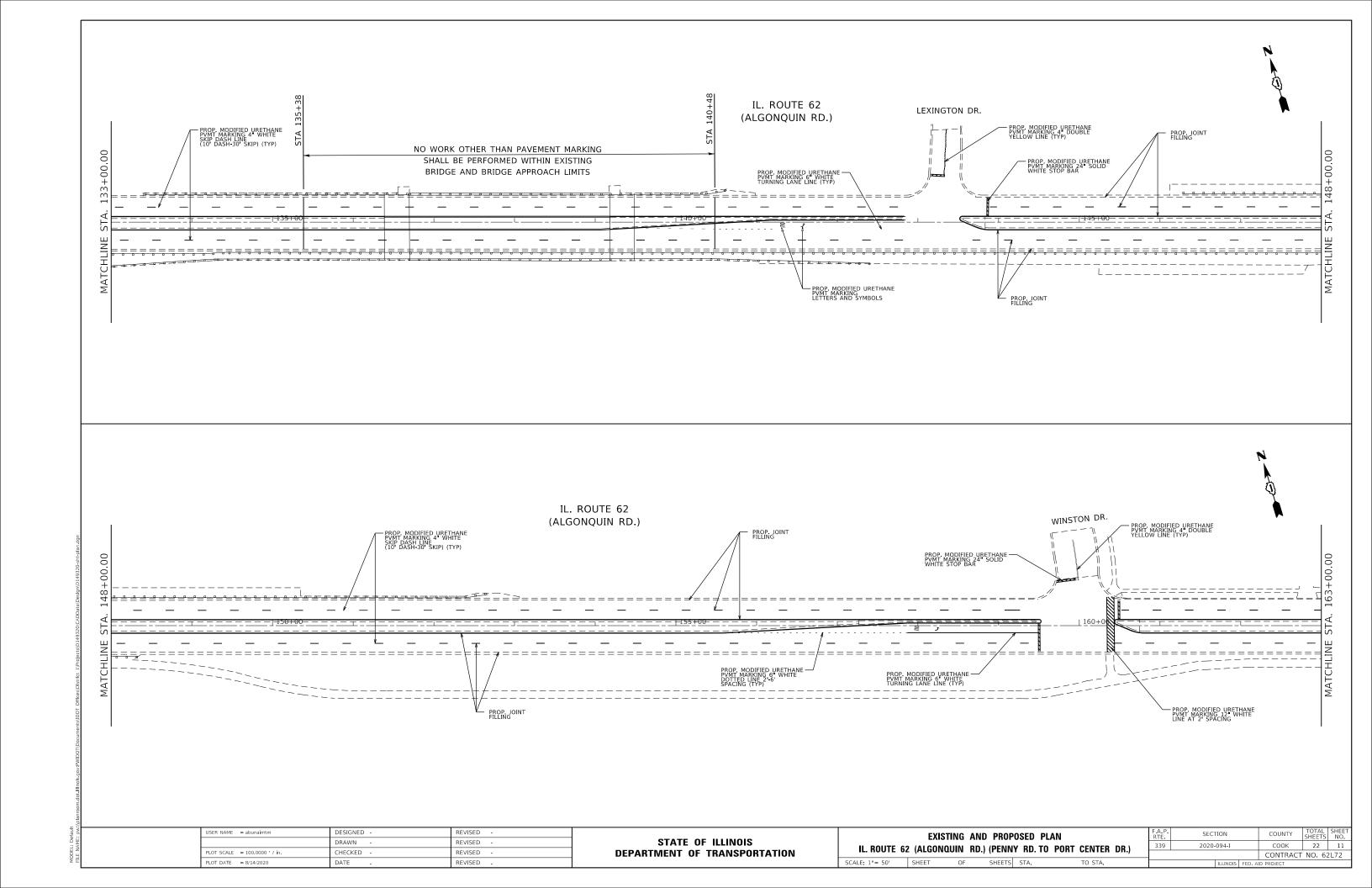
CONTRACT NO. 62L72

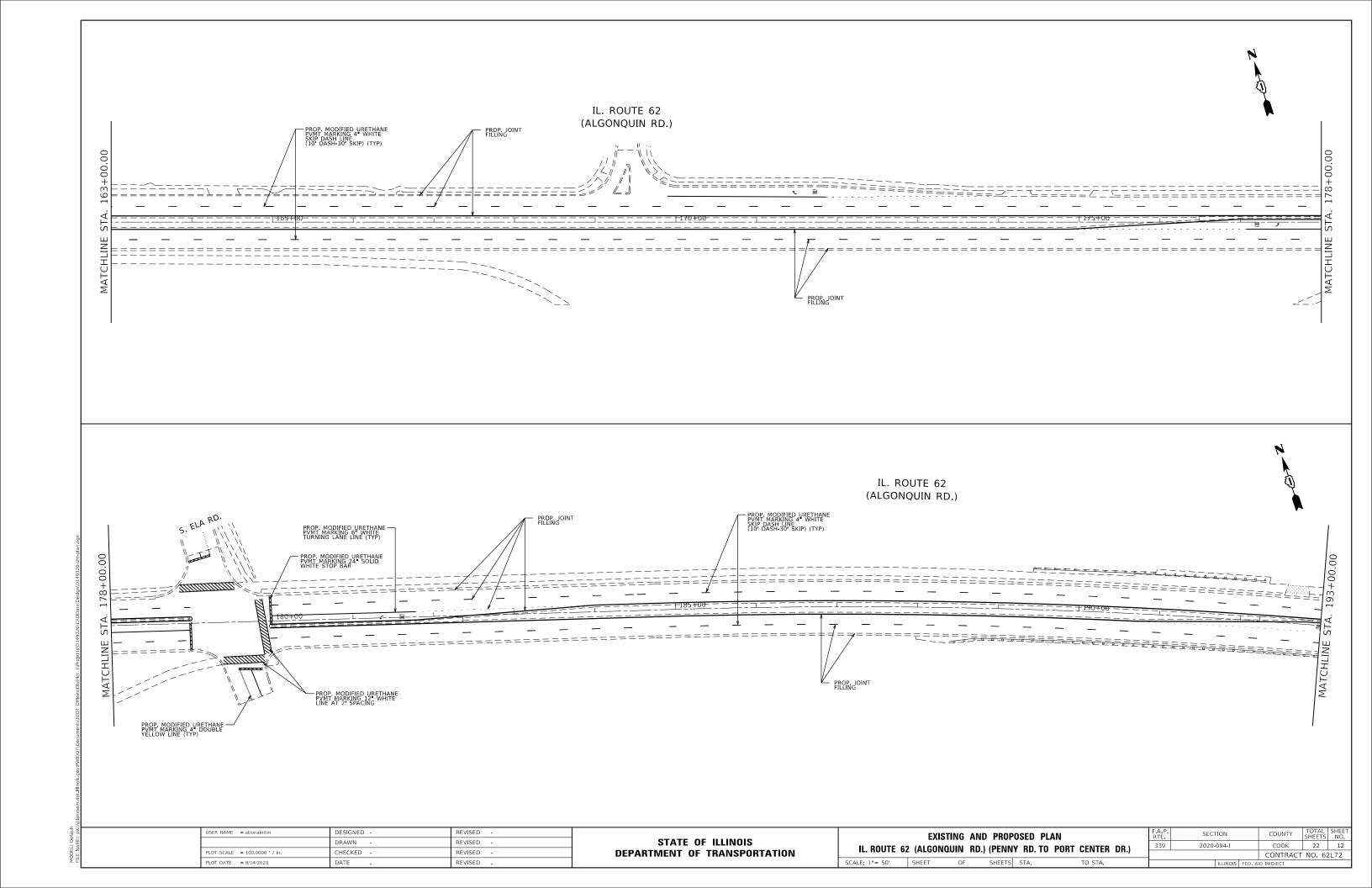


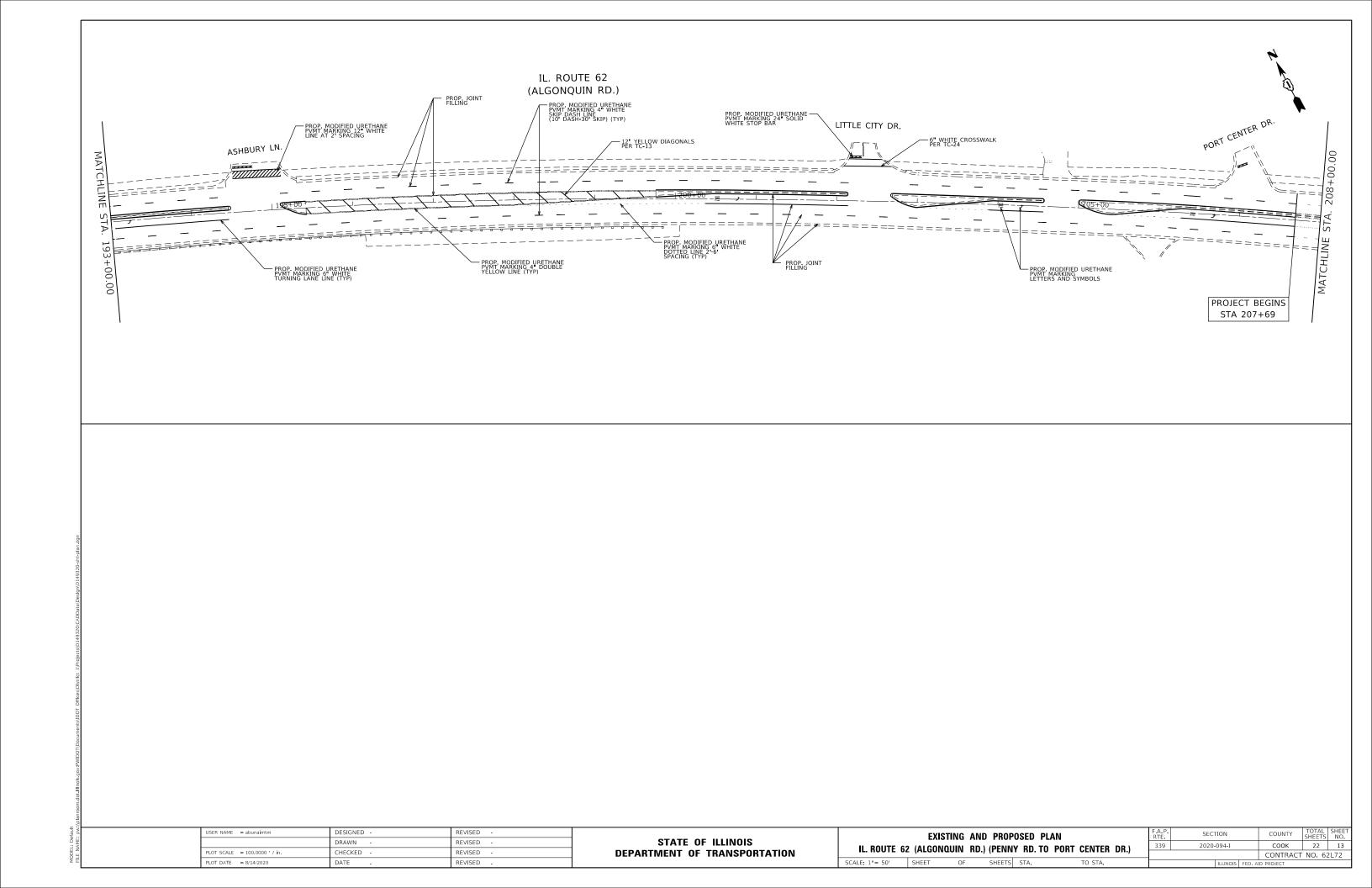


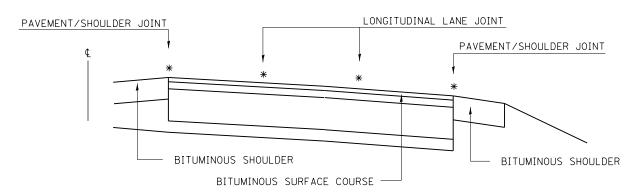




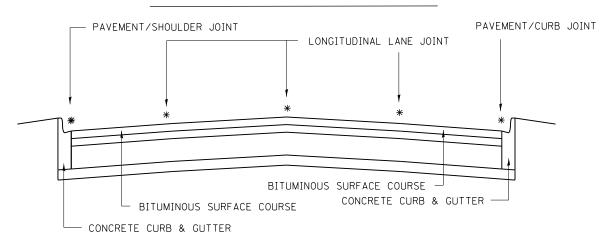




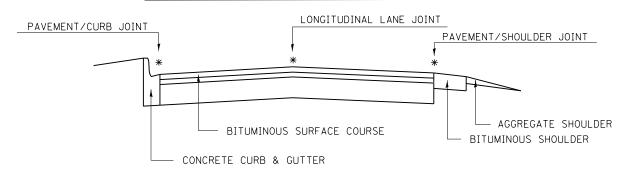




#### MULTI-LANE DIVIDED PAVEMENT



#### MULTI-LANE UNDIVIDED PAVEMENT

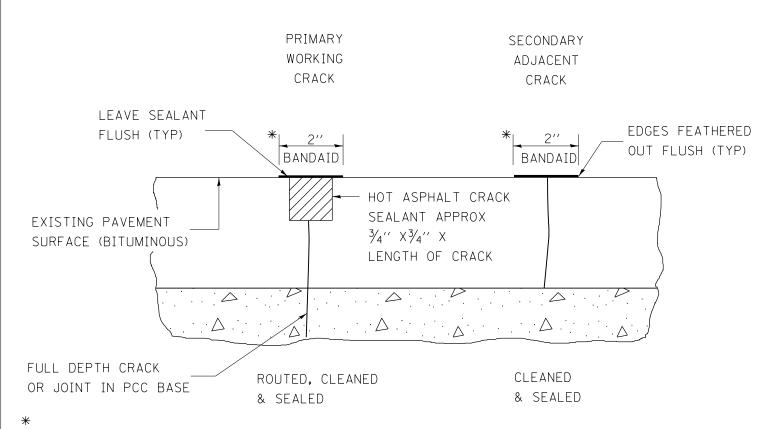


#### TWO-LANE PAVEMENT

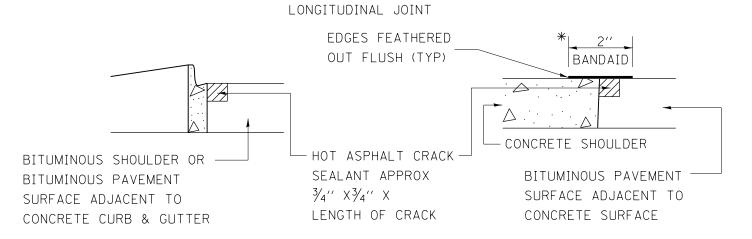
PROPOSED TRANSVERSE CRACK ROUTING (PAVEMENT) & CRACK FILLING LOCATIONS NOT SHOWN

\* PROPOSED LONGITUDINAL CRACK ROUTING (PAVEMENT) & CRACK FILLING LOCATIONS

#### GENERAL EXISTING TYPICAL SECTIONS



IN ALL LOCATIONS WHERE THE LONGITUDINAL CRACK CONFLICTS WITH EXISTING PAVEMENT MARKINGS (EITHER EDGE LINE OR LANE LINE) THE CRACK SHALL BE ROUTED & THE RESULTING RESERVOIR FILLED WITH SEALANT. ALL DAMAGES TO EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR. ALL EXISTING PAVEMENT MARKINGS WITHIN THE PROJECT LIMITS SHALL BE RESTORED WITH HOT SPRAY THERMOPLASTIC PAVEMENT MARKINGS.



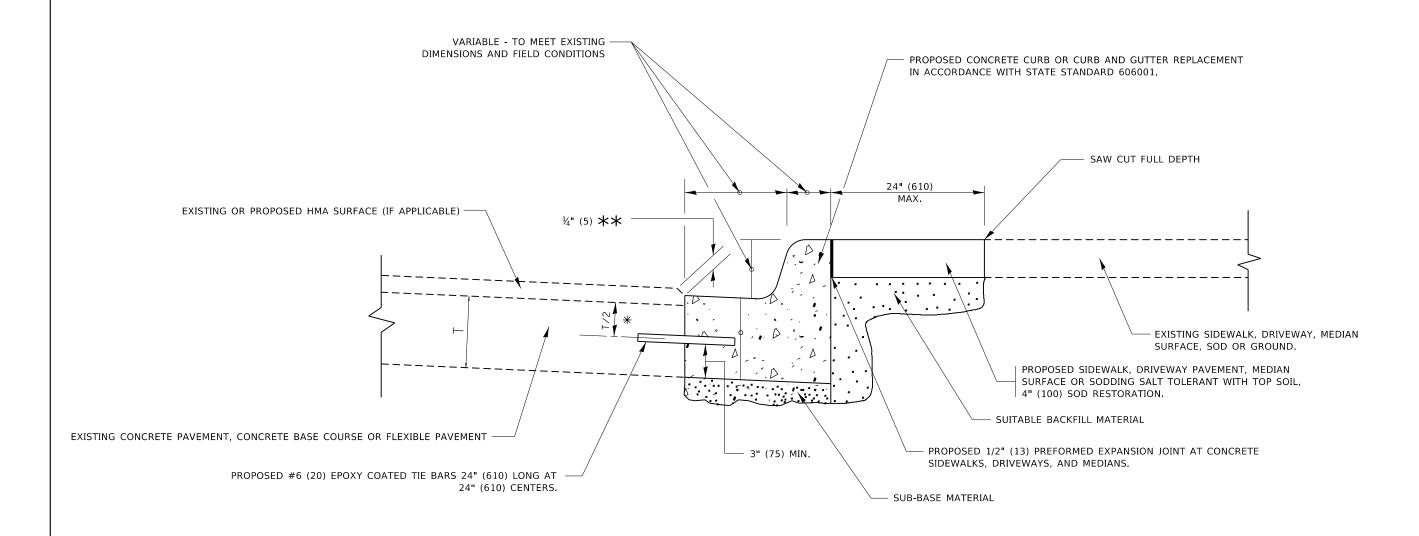
CRACK & JOINT SEALING DETAIL

SCALE:

FILE NAME =	USER NAME = abunaimtm	DESIGNED -	REVISED -	
D149320-sht-plan.dgn		DRAWN -	REVISED -	
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	PLOT DATE = 8/14/2020	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

									SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CRACK & JOINT SEALING DETAIL							93	2020-094-I	COOK	22	14
										CONTRAC	T NO. 6	52L72
	SHEET NO.	OF	SHEETS	STA.	TO	STA.		ILLINOIS FED. AID PROJECT				

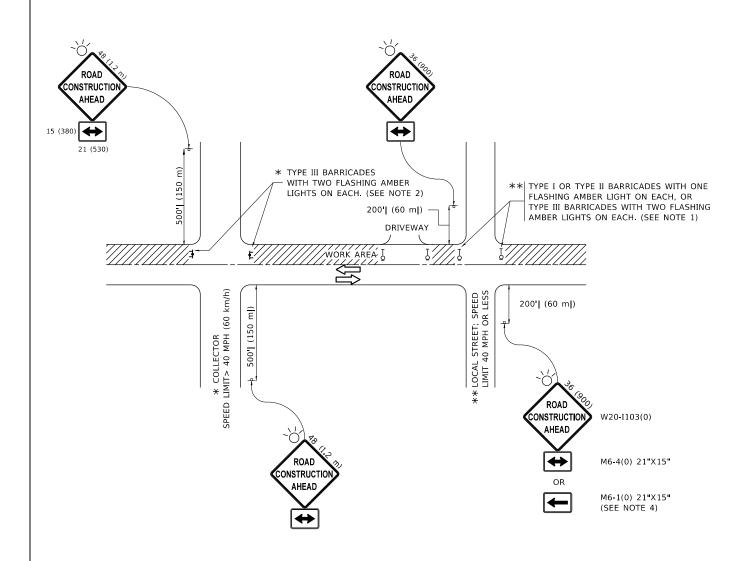


- 💥 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- $\star\star$  IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

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

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

USER NAME = abunaimtm	DESIGNED - A HOUSEH	REVISED - A. ABBAS 03-21-97		CURB OR CURB AND GUTTER			SECTION	COUNTY SHEET NO
	DRAWN -	REVISED - M. GOMEZ 01-22-01	STATE OF ILLINOIS			339	2020-904-I	COOK 22 15
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R BORO 12-15-09	DEPARTMENT OF TRANSPORTATION		REMOVAL AND REPLACEMENT		06 (BD-24)	CONTRACT NO. 62L72
PLOT DATE = 8/14/2020	DATE - 03-11-94	REVISED - K. SMITH 07-11-19		SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FE	D. AID PROJECT



#### NOTES:

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

SCALE: NONE

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

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

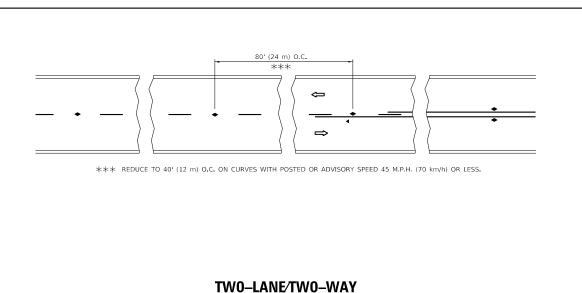
USER NAME = abunaimtm	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 8/14/2020	DATE - 06-89	REVISED A SCHUETZE 09-15-16

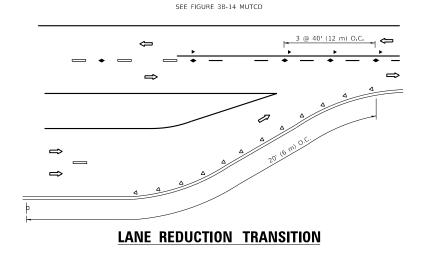
STATE OF ILLINOIS	
<b>DEPARTMENT OF TRANSPORTATION</b>	

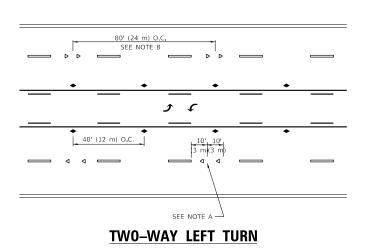
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	F.A.P. RTE. 339	SECTION 2020-90
SIDE HOADS, INTERSECTIONS, AND DRIVEWATS		TC-10
CUEFF 1 OF 1 CUEFFC CTA TO CTA		

COUNTY COUNTY SHEETS NO.

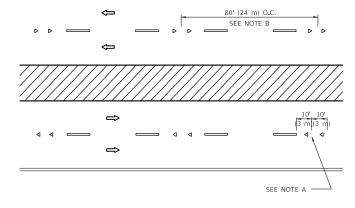
COOK 22 16 CONTRACT NO. 62L72







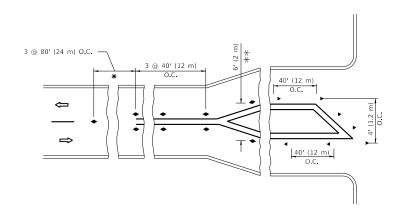
# $\Rightarrow$

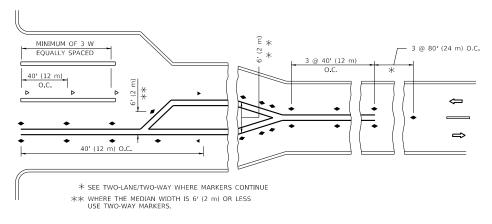


 $\Rightarrow$ SEE NOTE A

#### MULTI-LANE/UNDIVIDED







#### **TURN LANES**

#### **GENERAL NOTES**

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

#### **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
- 3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN
- 4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY

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

JSER NAME = abunaimtm DESIGNED -REVISED - T. RAMMACHER 03-12-99 REVISED -T. RAMMACHER 01-06-00 DRAWN LOT SCALE = 100.0000 ' / in. HECKED REVISED -C. JUCIUS 09-09-09 C. JUCIUS 07-01-13 PLOT DATE = 8/14/2020 DATE REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

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

SECTION 339 2020-904-I COOK 22 17 TC-11 CONTRACT NO. 62L72

**SYMBOLS** 

ONE-WAY AMBER MARKER

TWO-WAY AMBER MARKER

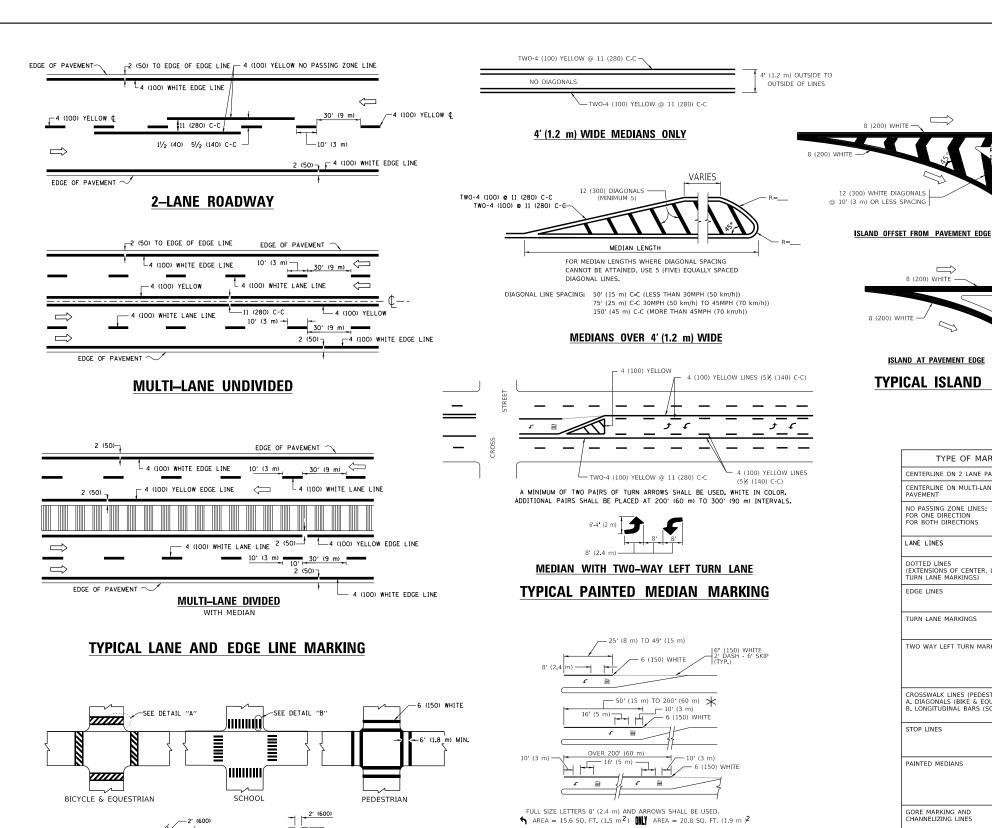
ONE-WAY CRYSTAL MARKER (W/O)

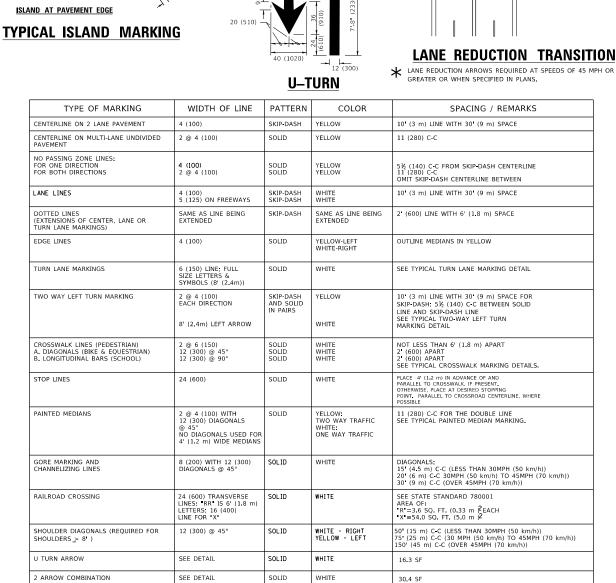
- YELLOW STRIPE

■ WHITE STRIPE

RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.

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





COMBINATION

LEFT AND U-TURN

5'-4" (1620)

32 R (810)

— 2 (50)

2 (50)

RAISED

ISLAND

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.

D(FT)

665

750

SPEED LIMIT

45

50

55

-12 (300) WHITE

DETAIL "B"

6 (150) WHITE

TYPICAL CROSSWALK MARKING

\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF

DETAIL "A"

THE ROAD WHICH IT CROSSES

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DEPARTMENT OF TRANSPORTATION

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

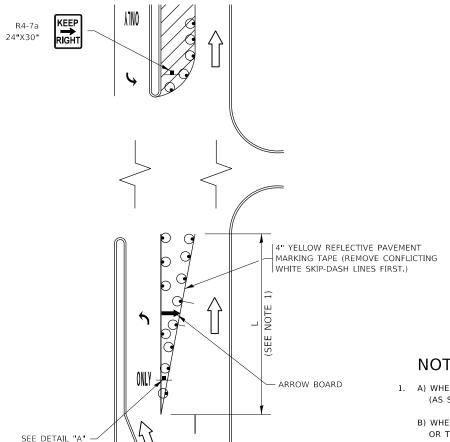
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

ARROW - "ONLY".

	DISTRICT ONE				F.A.P. SECTION		COUNTY	TOTAL SHEETS	SHEE NO.			
TYPICAL PAVEMENT MARKINGS				339 2020-904-I			l-I	COOK	22	18		
				TC-13				CONTRACT	NO.	62L72		
	SHEET 1	OF 2	SHEETS	STA.	TO STA.		l n	LINOIS	EED ΔI	D PROJECT		

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



## FIGURE 1

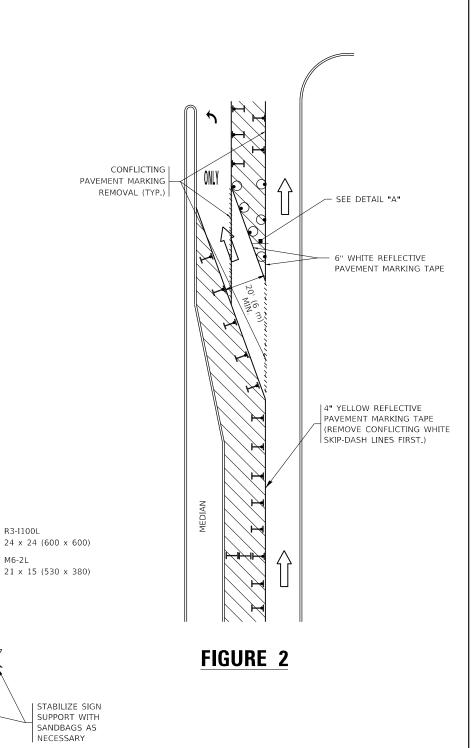
# **LEGEND** WORK AREA LANE OPEN TO TRAFFIC ARROW BOARD TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT DRUM WITH STEADY BURN LIGHT SIGN ASSEMBLY

TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

#### NOTES:

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

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



**DETAIL A** 

TURN

All dimensions are in inches (millimeters) unless otherwise shown

OSEK NAME = abunannun	DESIGNED	- 1.	RAMMACHER U9-U8-94	KENIZED	- K. BORO 09-14-09
	DRAWN	-	A. HOUSEH 11-07-95	REVISED	- A. SCHUETZE 07-01-13
PLOT SCALE = 100.0000 / in.	CHECKED	-	A. HOUSEH 10-12-96	REVISED	- A. SCHUETZE 09-15-16
PLOT DATE = 8/14/2020	DATE	- T.	RAMMACHER 01-06-00	REVISED	=

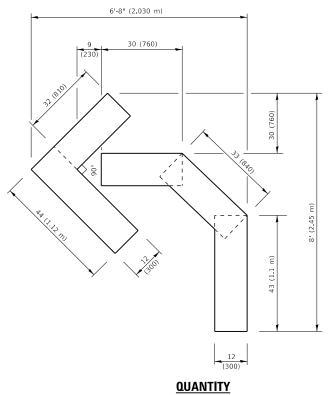
DESIGNED T DANIMACHED OR OF DEVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

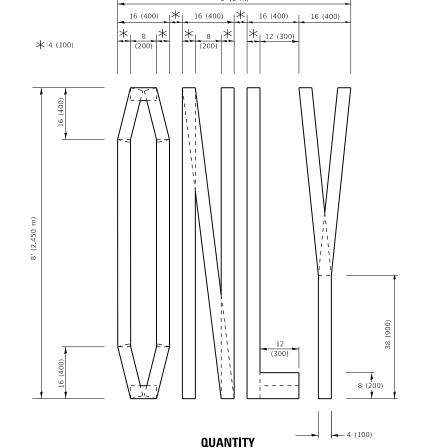
TRAF	F.A. <b>P.</b> RTE						
	/TO	REMAIN	OPEN 1	TO TRAF	FIC)	339	
	,,,,	ILLIVIATIV	OILIV	IU IIIAII	110)		TC
SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.		

SECTION 2020-904-I COOK 22 19 C-14 CONTRACT NO. 62L72

CONTROL STANDARDS OR ITEMS.



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



4 (100) LINE = 64.1 ft. (19.5 m)

30 (800)

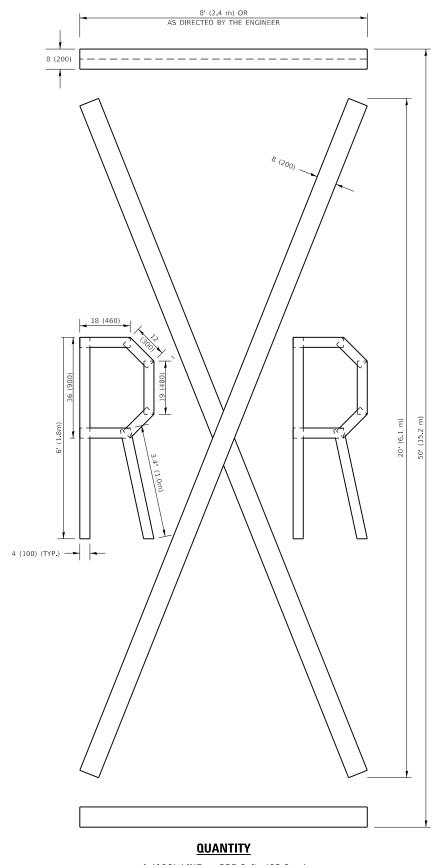
1'-8" (500)

#### QUANTITY

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

#### NOTE:

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



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

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

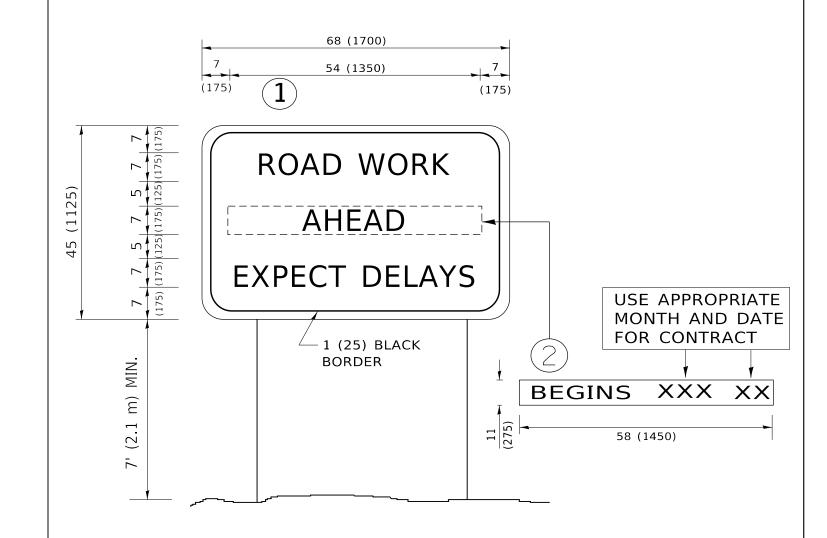
USER NAME = abunalmtm	DESIGNED -	REVISED	- T. RAMMACHER 03-02-98
	DRAWN -	REVISED	- E. GOMEZ 08-28-00
PLOT SCALE = 100.0010 ' / In.	CHECKED -	REVISED	- E. GOMEZ 08-28-00
PLOT DATE = 8/14/2020	DATE - 09-18-94	REVISED	- A. SCHUETZE 09-15-16

21.4 sq. ft. (1.99 sq. m)

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

SHORT T	RM I	PAVEN	IENT	MARKING	LETTERS	AND SYMBOLS
SCALE: NONE	SHEET	1	OF 1	SHEETS	STA.	TO STA.

F.A. <b>P</b> RTE	SEC <sup>-</sup>	TION		COUNTY	TOTAL SHEETS	SHEET NO.
339	20	20-904	1-I	соок	22	20
	TC-16		CONTRACT	NO.	62L72	
		ILLINOIS	EED A	ID 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.)

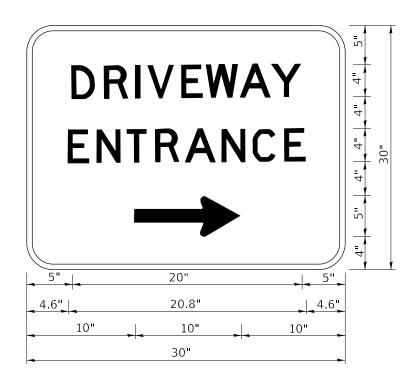
SCALE: NONE

7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

USER NAME = abunaimtm	DESIGNED -	REVISED	-	R. MIRS 09-15-97
	DRAWN -	REVISED	-	R. MIRS 12-11-97
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED	- T. F	RAMMACHER 02-02-9
PLOT DATE = 8/14/2020	DATE -	REVISED	_	C. JUCIUS 01-31-07

						F.A. <b>P</b> . RTE	SECT		
	INFORMATION SIGN						339	202	
	INFUNIVIATION SIGN								TC-22
	SHEET	1	OF	1	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".

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