

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020 VAR TC	VARIOUS	10	1
		ILLINOIS	CONTRACT NO. 62U50	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

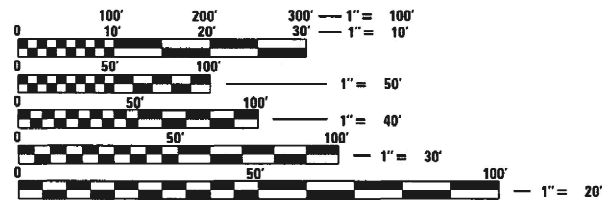
**PROPOSED  
HIGHWAY PLANS**

**ROUTE: VARIOUS EXPRESSWAYS DISTRICT ONE  
SECTION: 2022 VAR TC  
MISCELLANEOUS IMPACT ATTENUATORS, SAND BARRELS  
VARIOUS COUNTIES**

C-91-066-23



LOCATION MAPS - SEE SHEETS 4-6



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

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

PROJECT ENGINEER: RODRIGO LEDEZMA (847) 705-4580  
PROJECT MANAGER: J. ALAIN MIDY (847) 221-3056

CONTRACT NO. 62U50

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED November 2, 2022  
Jose Rios REGIONAL ENGINEER  
December 9, 2022  
Jose A. Rios  
ENGINEER OF DESIGN AND ENVIRONMENT  
December 9, 2022  
Stephen M. Smith  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS**

**INDEX OF SHEETS**

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4-6	EXPRESSWAY PATCHING LOCATION MAPS
7	ENTRANCE RAMP AND CLOSURE DETAILS (TC-8)
8	SINGLE LANE WEAVE (MODIFIED) (TC-9)
9	TRAFFIC CONTROL AND PROTECTION AND TURN BAYS (TC-14)
10	TRAFFIC CONTROL FOR SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (MODIFIED) (TC-17)

**LIST OF STATE STANDARDS**

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
442201-03	CLASS C AND D PATCHES
643001-02	SAND MODULE IMPACT ATTENUATORS
701006-05	OFF ROAD OPERATIONS, 2L, 2W, 15 FT TO 24" FROM EDGE OF PAVEMENT
701011-04	OFF ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF ROAD OPERATIONS MULTILANE 15 FT TO 24" FROM EDGE OF PAVEMENT
701106-02	OFF ROAD OPERATIONS MULTILANE MORE THAN 15 FT AWAY
701301-04	LANE CLOSURE, 2L, 2W SHORT TIME OPERATIONS
701421-08	LANE CLOSURE MULTILANE DAY ONLY OPERATION FOR SPEED ≥ 45 MPH TO 55 MPH
701426-09	LANE CLOSURE MULTILANE INTERMITTENT OR MOVING OPERATION FOR SPEED ≥ 45 MPH
701427-05	LANE CLOSURE MULTILANE INTERMITTENT OR MOVING OPERATION FOR SPEED < 40 MPH
701501-06	URBAN LANE CLOSURE 2L, 2W UNDIVIDED
701502-09	URBAN LANE CLOSURE 2L, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE MULTILANE 1W OR 2W WITH NONTRAVERSABLE 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 LANE CLOSURE MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701400-11	APPROACH TO LANE CLOSURE, FREEWAY / EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY / EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY / EXPRESSWAY
701446-11	TWO LANE CLOSURE, FREEWAY / EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

**GENERAL NOTES**

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.

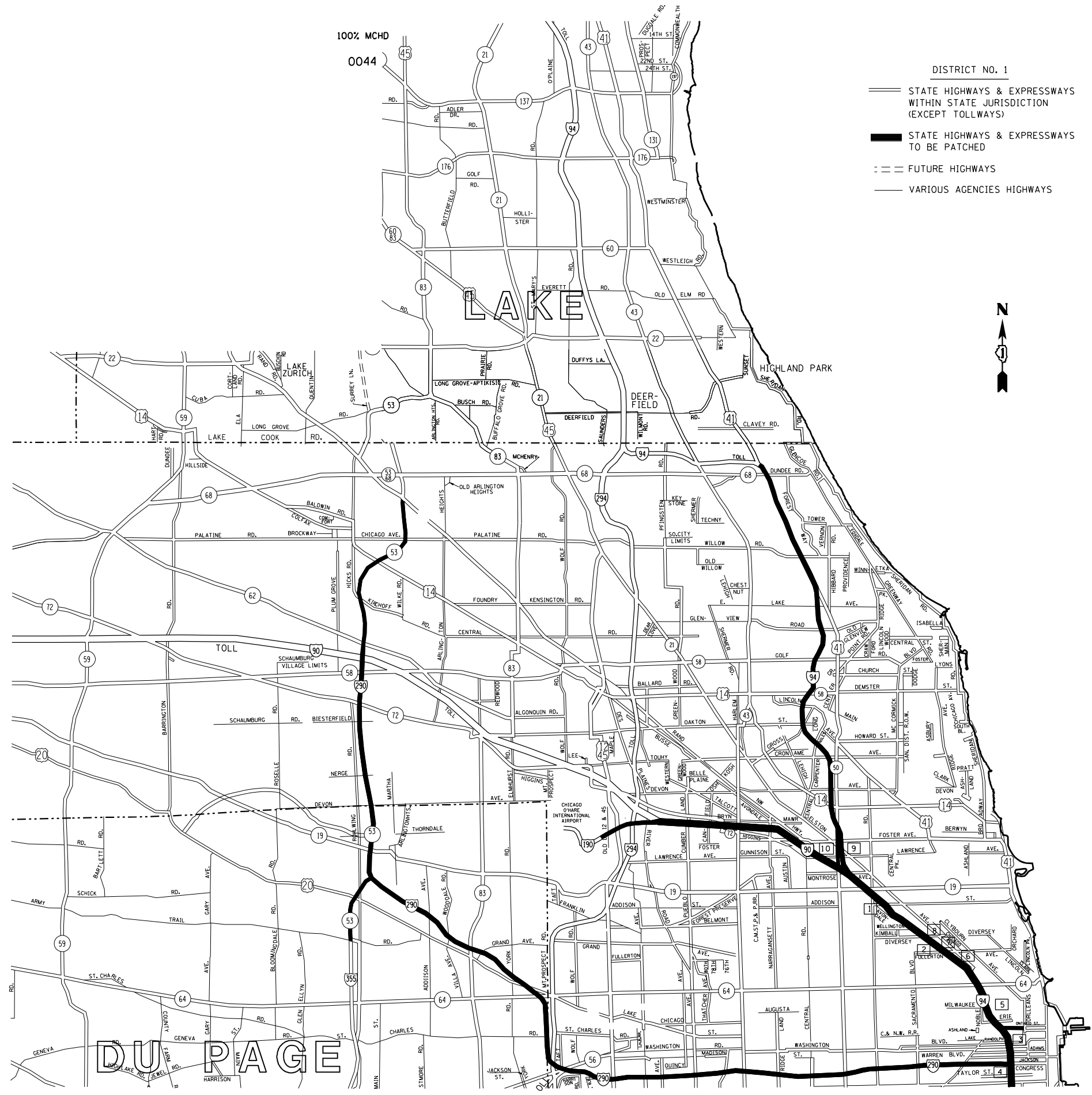
THE CONTRACTOR SHALL CONTACT DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4151 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

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	DRAWN -	REVISED -		VAR.	2022 VAR TC	VARIOUS	10	2				
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 62U50								
PLOT DATE = 11/3/2022	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		100% STATE 0044	100% MCHD 0044			
50102400	CONCRETE REMOVAL	CU YD	50	40	10			
50300225	CONCRETE STRUCTURES	CU YD	30	20	10			
64300240	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	4	3	1			
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2				
64300370	IMPACT ATTENUATORS (FULLY REDIRECTIVE, WIDE), TEST LEVEL 3	EACH	1	1				
64300770	IMPACT ATTENUATORS (SEVERE USE, NARROW), TEST LEVEL 3	EACH	35	33	2			
64300920	IMPACT ATTENUATORS (SEVERE USE, WIDE), TEST LEVEL 3	EACH	1	1				
64301090	ATTENUATOR BASE	SO YD	20	20				
70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	60	55	5			
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	20	18	2			
70100430	TRAFFIC CONTROL AND PROTECTION, STANDARD 701446	EACH	20	18	2			
70102621	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	EACH	1	1				
70102624	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	EACH	1	1				

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		100% STATE 0044	100% MCHD 0044		
70102631	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	EACH	4	4			
70102633	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	EACH	15	15			
70102626	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	EACH	2	2			
70102637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1	1			
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1	1			
X6430120	REMOVE IMPACT ATTENUATORS, NO SALVAGE	EACH	50	48	2		
X6431220	REMOVE AND REPLACE IMPACT ATTENUATOR SAND MODULE	EACH	720	710	10		
X7010808	TRAFFIC CONTROL AND PROTECTION, STANDARD TC8	EACH	65	60	5		
X7010809	TRAFFIC CONTROL AND PROTECTION, STANDARD TC9	EACH	2	1	1		
X7010814	TRAFFIC CONTROL AND PROTECTION, STANDARD TC14	EACH	2	2			
X7010817	TRAFFIC CONTROL AND PROTECTION, STANDARD TC17	EACH	31	30	1		
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	10	5	5		



- DISTRICT NO. 1
- STATE HIGHWAYS & EXPRESSWAYS WITHIN STATE JURISDICTION (EXCEPT TOLLWAYS)
  - STATE HIGHWAYS & EXPRESSWAYS TO BE PATCHED
  - - - FUTURE HIGHWAYS
  - VARIOUS AGENCIES HIGHWAYS



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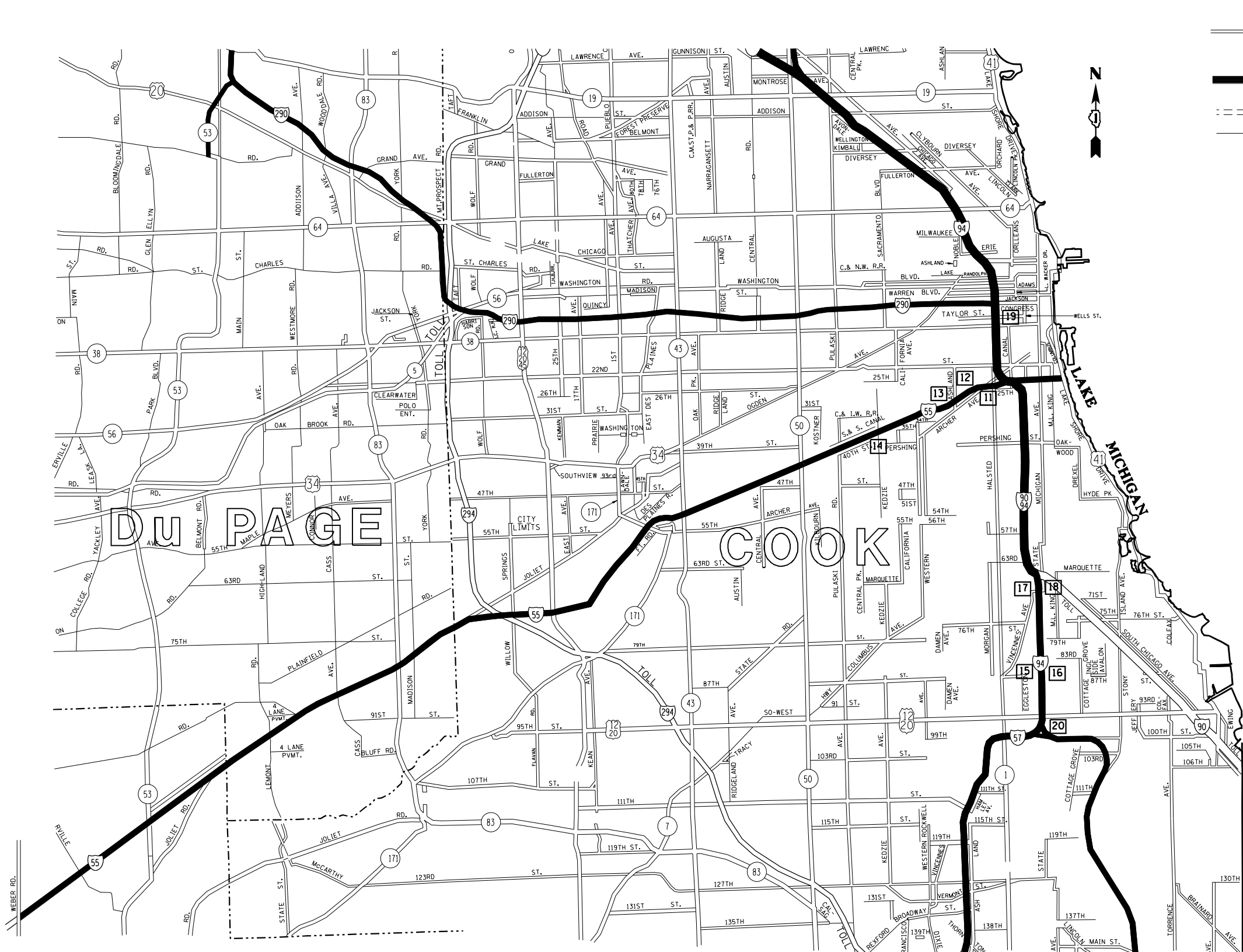
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXPRESSWAY LOCATION MAP**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 VAR TC	VARIOUS	10	4
			CONTRACT NO. 62U50	
ILLINOIS FED. AID PROJECT				



- DISTRICT NO. 1
- STATE HIGHWAYS & EXPRESSWAYS WITHIN STATE JURISDICTION (EXCEPT TOLLWAYS)
  - STATE HIGHWAYS & EXPRESSWAYS TO BE PATCHED
  - - - FUTURE HIGHWAYS
  - VARIOUS AGENCIES HIGHWAYS

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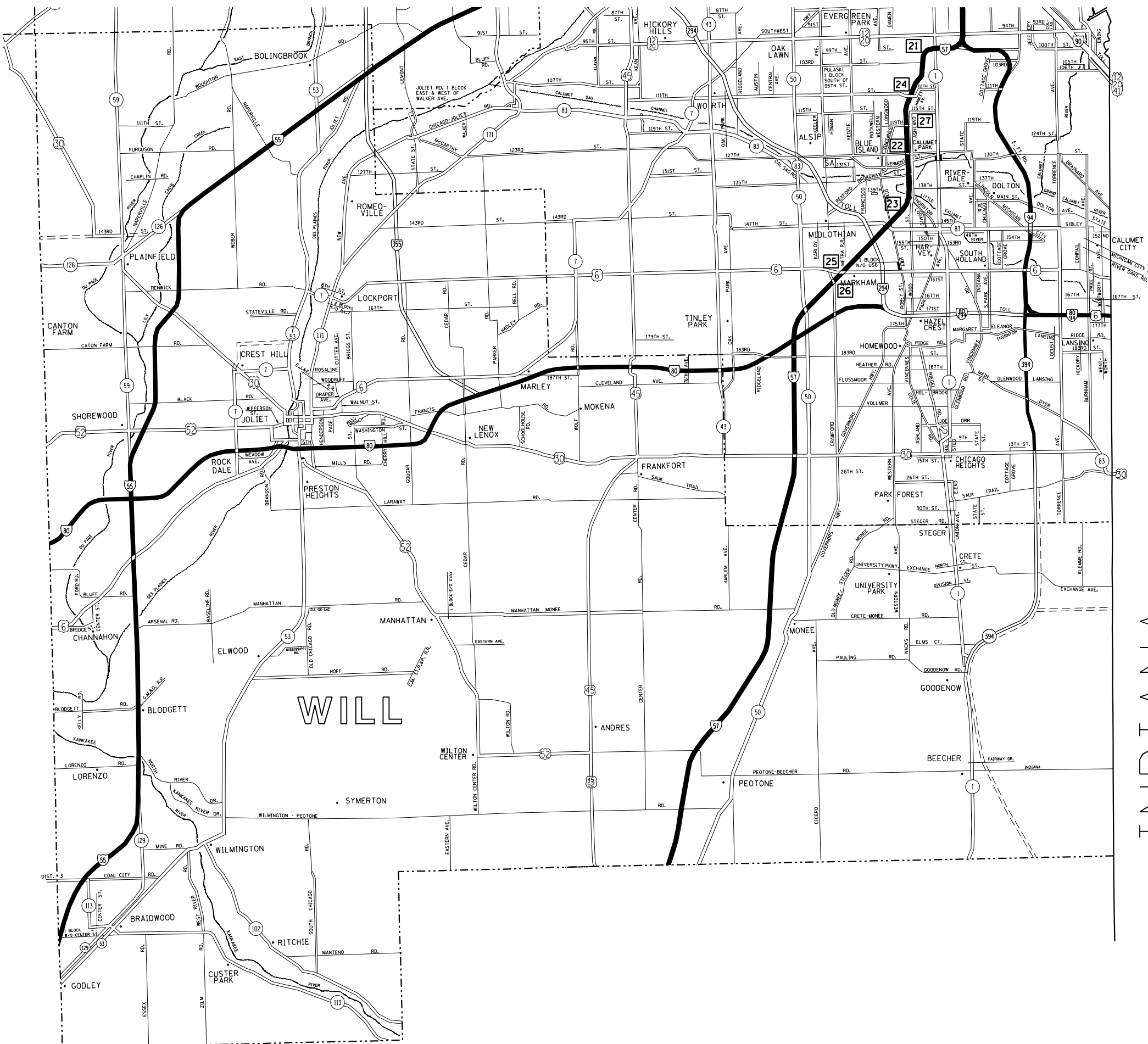
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PLOT DATE = 11/3/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXPRESSWAY LOCATION MAP**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 VAR TC	VARIOUS	10	5
			CONTRACT NO. 62U50	
		ILLINOIS FED. AID PROJECT		



INDIANA

- DISTRICT NO. 1
- STATE HIGHWAYS & EXPRESSWAYS WITHIN STATE JURISDICTION (EXCEPT TOLLWAYS)
  - STATE HIGHWAYS & EXPRESSWAYS TO BE PATCHED
  - - - FUTURE HIGHWAYS
  - VARIOUS AGENCIES HIGHWAYS



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	DRAWN -	REVISED -
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PLOT DATE = 11/3/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXPRESSWAY LOCATION MAP**

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

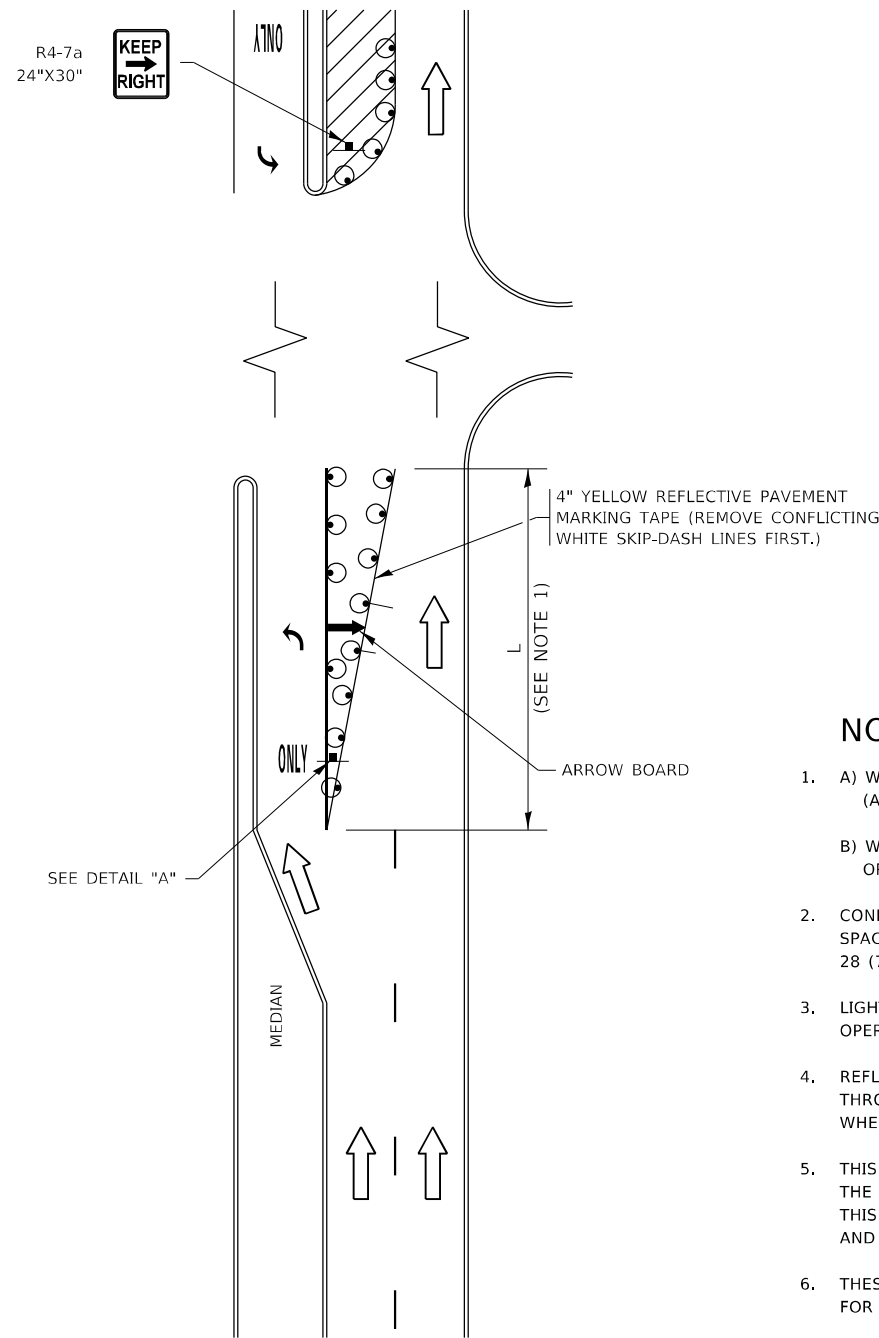
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VAR.	2022 VAR TC	VARIOUS	10	6
			CONTRACT NO. 62U50	
ILLINOIS FED. AID PROJECT				





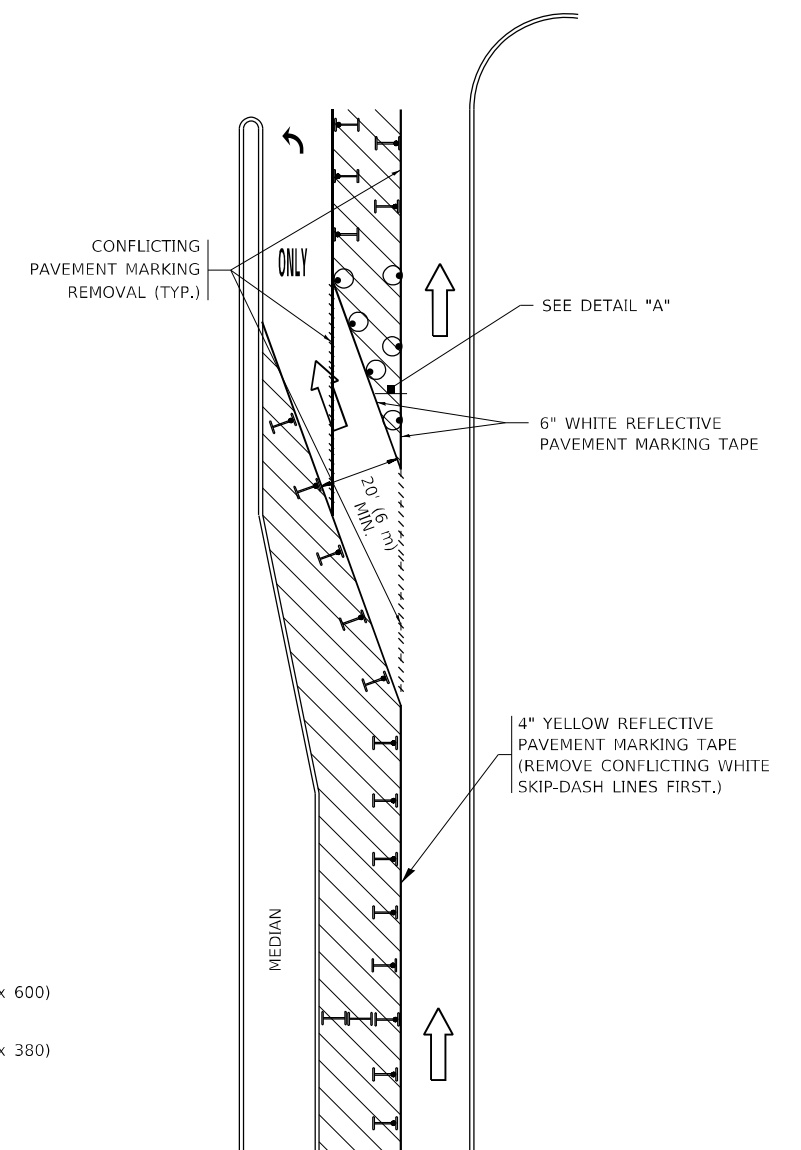


# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



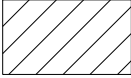






**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE



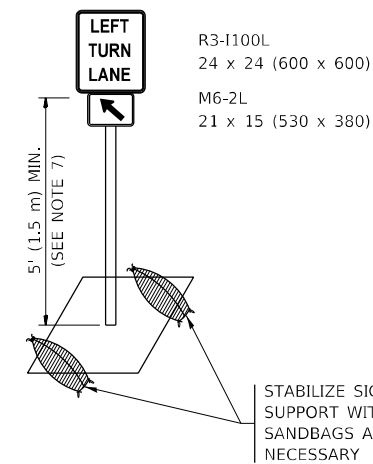
**FIGURE 2**

## 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  $\leq$  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.
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" R3-1100R 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 REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



**DETAIL A**

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

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USER NAME = Rodrigo.Ledezma	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. 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 = 11/3/2022	DATE - T. RAMMACHER 01-06-00	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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 VAR TC	VARIOUS	10	9
TC-14			CONTRACT NO. 62U50	
ILLINOIS FED. AID PROJECT				

