01-20-2023 LETTING ITEM 114

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

D-91-049-23

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PROPOSED HIGHWAY PLANS

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

C-91-066-23

0 100' 200' 300' — 1" = 100'
0 10' 20' 30' — 1" = 10'
0 50' 100'
0 50' 100'
1" = 40'
0 50' 100' — 1" = 30'
0 50' 100' — 1" = 20'

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

0

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED November 2 20 2.7

REGIONAL ENGINEER

December 9, 2022

ENGINEER OF DESIGN AND ENVIRONMENT

December 9, 2022

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

LOCATION OF SECTION INDICATED THUS: -

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

LOCATION MAPS - SEE SHEETS 4-6

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
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

STANDARD NO. DESCRIPTION

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 \geq 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.

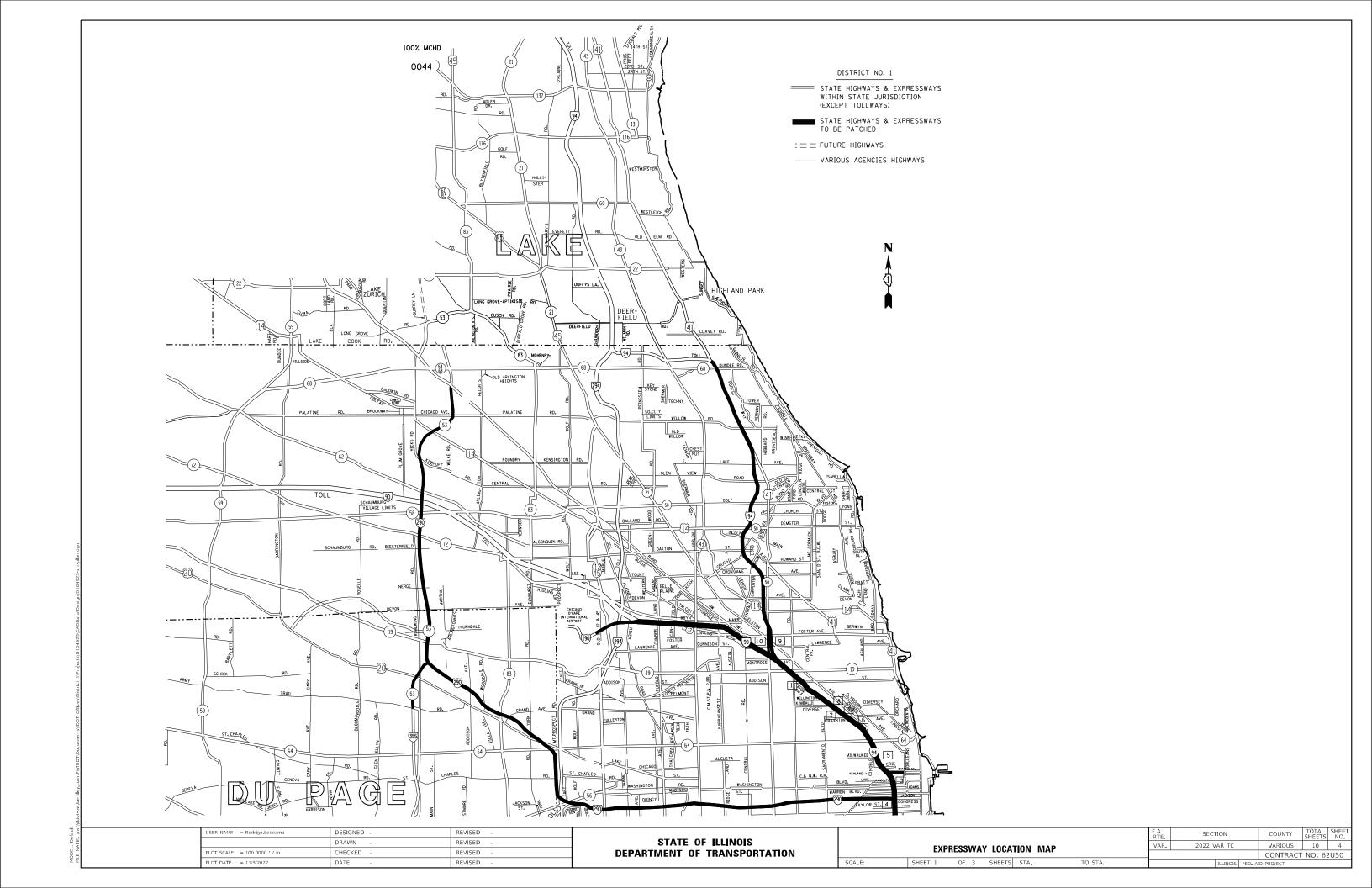
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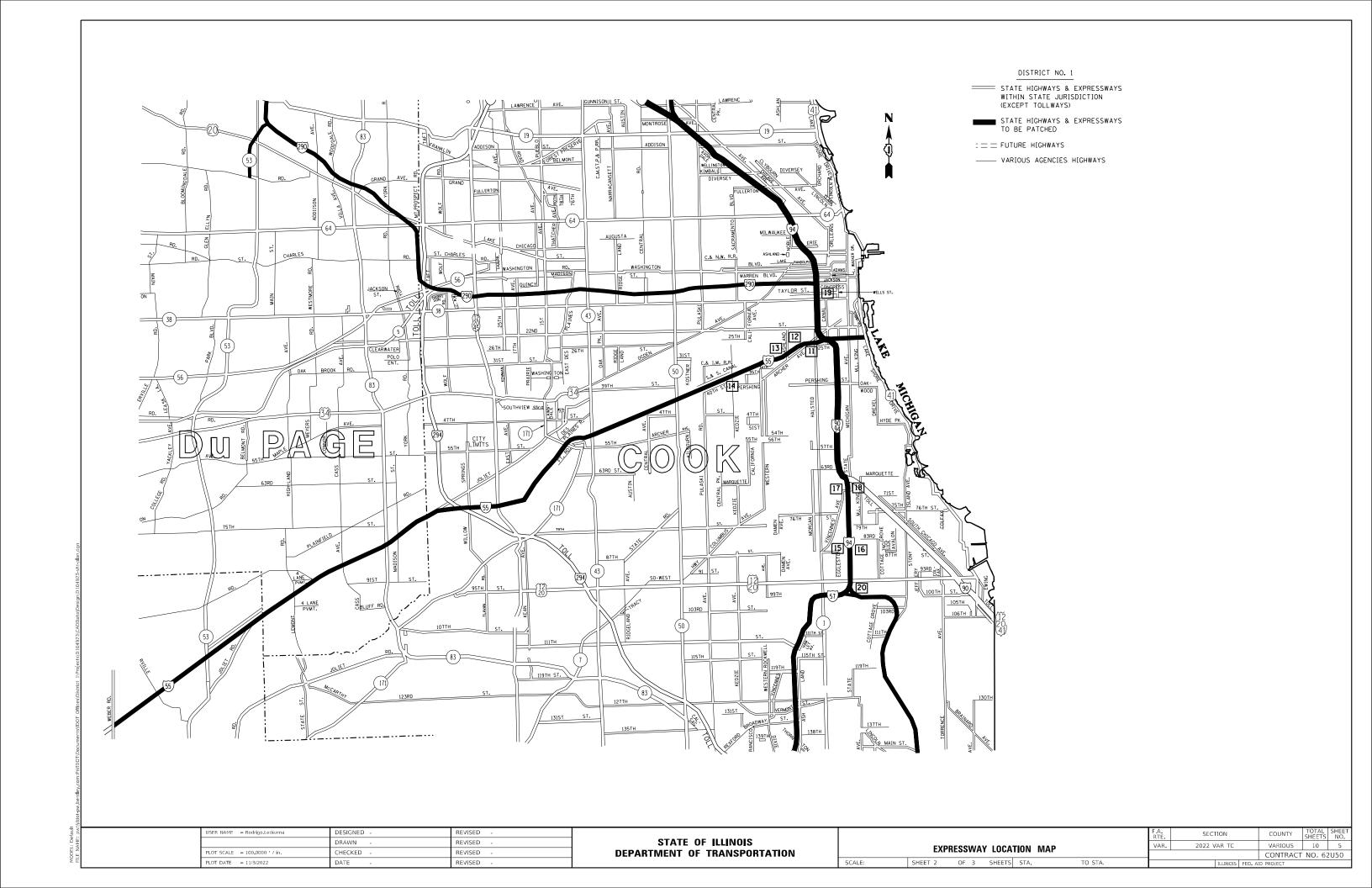
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

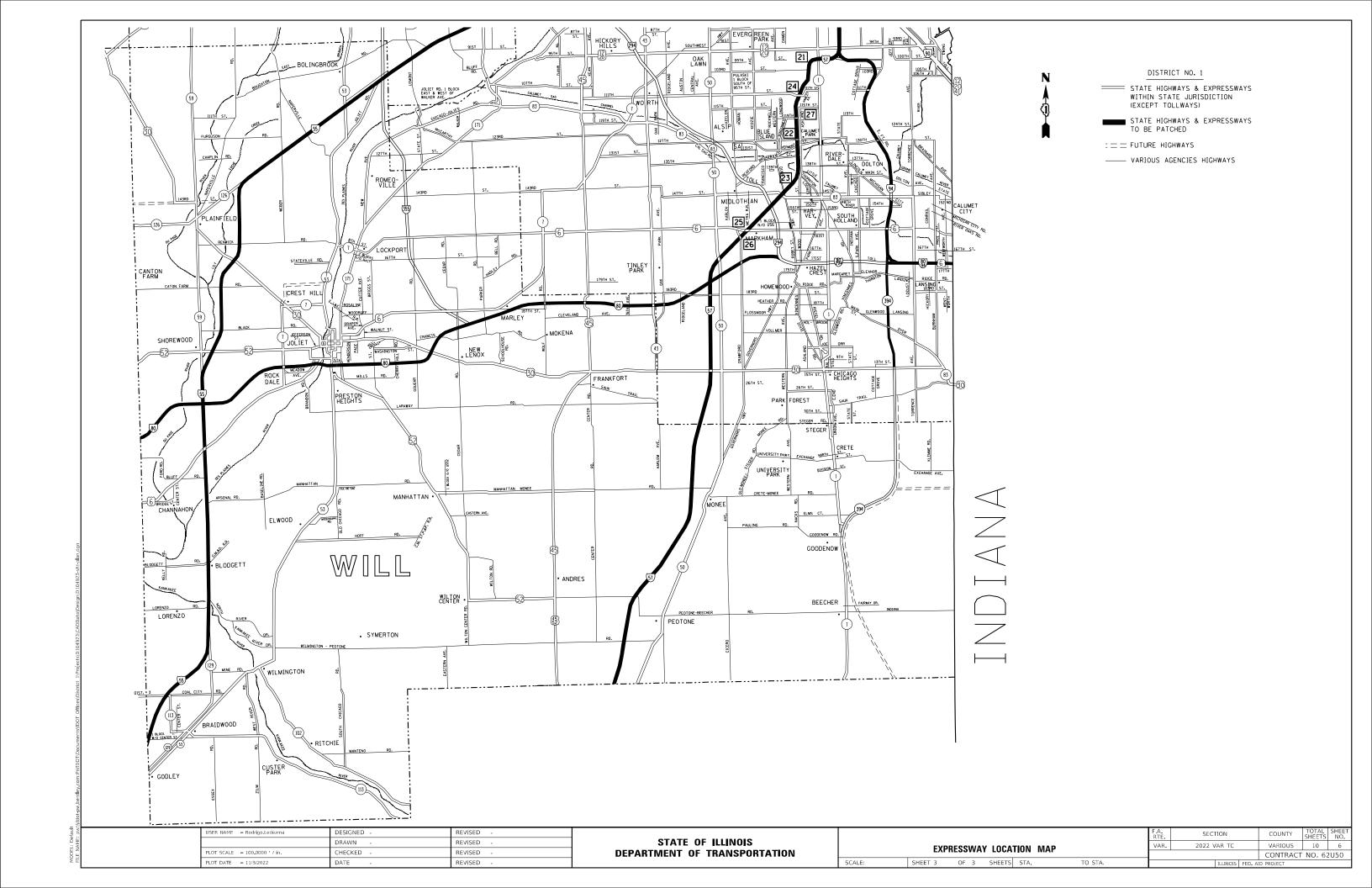
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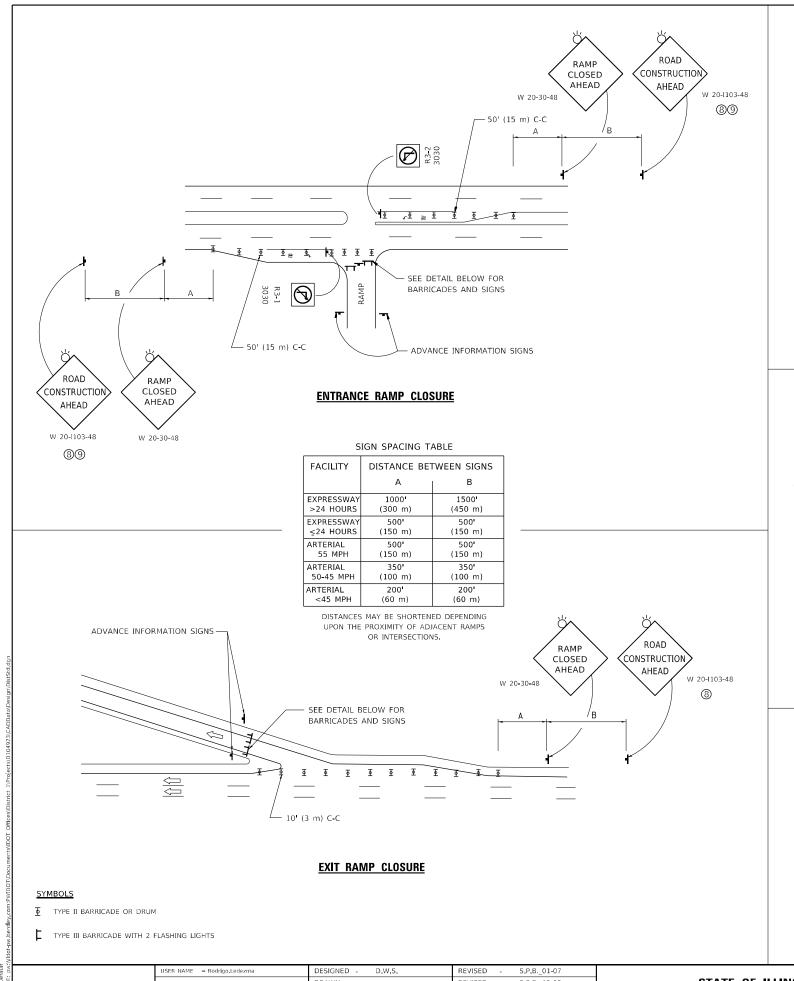
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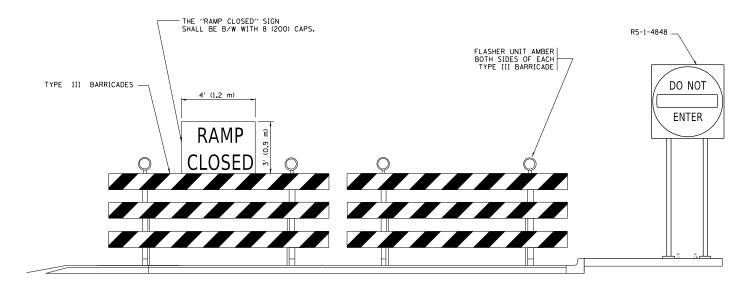
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50102400	CONCRETE REMOVAL	CU YD	50	40	10					70102631	TRAFFIC CONTROL AND PROTECTION,	EACH	4	4					
											STANDARD 701601								
50300225	CONCRETE STRUCTURES	CU YD	30	20	10														
				_						70102633	TRAFFIC CONTROL AND PROTECTION,	EACH	15	15					
64300240	IMPACT ATTENUATORS (FULLY REDIRECTIVE,	EACH	4	3	1						STANDARD 701602								
	NARROW), TEST LEVEL 2									70100505		5.00							
64700000	IMPACT ATTENUATORS (FULLY REDIRECTIVE,	EACH	2							70102626	TRAFFIC CONTROL AND PROTECTION. STANDARD 701606	EACH	2	2					
64300260	NARROW), TEST LEVEL 3	EACH	2	2							STANDARD TOTOUG								
	MANNOWY, 1E31 EEVEL 3									70102637	TRAFFIC CONTROL AND PROTECTION.	EACH	1	1					
64300370	IMPACT ATTENUATORS (FULLY REDIRECTIVE,	EACH	1	1						10102031	STANDARD 701701	LACII	•	•					
	WIDE), TEST LEVEL 3										STANDARD TOTTO:								
64300770	IMPACT ATTENUATORS (SEVERE USE, NARROW), TEST LEVEL 3	EACH	35	33	2					70102642	TRAFFIC CONTROL AND PROTECTION,	EACH	1	1					
											STANDARD 701801								
64300920	IMPACT ATTENUATORS (SEVERE USE, WIDE), TEST LEVEL 3	EACH	1	1															
										X6430120	REMOVE IMPACT ATTENUATORS, NO SALVAGE	EACH	50	48	2				
64301090	ATTENUATOR BASE	SO YD	20	20															
										x6431220	REMOVE AND REPLACE IMPACT ATTENUATOR	EACH	720	710	10				
70100205	TRAFFIC CONTROL AND PROTECTION,	EACH	60	55	5						SAND MODULE								
	STANDARD 701401										TRACE IC CONTROL AND PROTECTION								
										X7010808	TRAFFIC CONTROL AND PROTECTION, STANDARD TC8	EACH	65	60	5				
70100420	TRAFFIC CONTROL AND PROTECTION.	EACH	20	18	2						TRAFFIC CONTROL AND DROTFCTION								
	STANDARD 701411									X7010809	TRAFFIC CONTROL AND PROTECTION, STANDARD TC9	EACH	2	1	1				
											TRAFFIC CONTROL AND PROTECTION.								
70100430	TRAFFIC CONTROL AND PROTECTION.	EACH	20	18	2					X7010814	STANDARD TC14	EACH	2	2					
	STANDARD 701446										TRAFFIC CONTROL AND PROTECTION.								
7010000:	TDACE IC CONTDOL AND DDOTECTION	FACU	1	1						X7010817	STANDARD TC17	EACH	31	30	1				
70102621	TRAFFIC CONTROL AND PROTECTION. STANDARD 701501	EACH	1	1						Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	10	5	5				
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70102624	TRAFFIC CONTROL AND PROTECTION. STANDARD 701502	EACH	1	1															
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DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE INFORMATION SIGN

RAMP CLOSURE ADVANCE WARNING SIGN

RAMP CLOSED

BLACK LEGEND ON ORANGE

CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

BACKGROUND MOUNTED
DIAGONALLY
E MOD FONT
1 (25) BORDER
THESE SIGNS ARE REQUIRED ON ALL THE EXIT
GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE

THIS RAMP 6 (150) 5 (125) BLACK LEGEND ON WHITE BACKGROUND 6 (150) 5 (125) ½ (12) BORDER CLOSED 6 (150) E MOD FONT 5 (125) 6 (150) THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE 5 (125) TIME THAT THE RAMP WILL BE 6 (150) (125)

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- (2) VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEEDED BY A W20-7 FLAGGER WARNING SIGN.
- 4 ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- (3) THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).

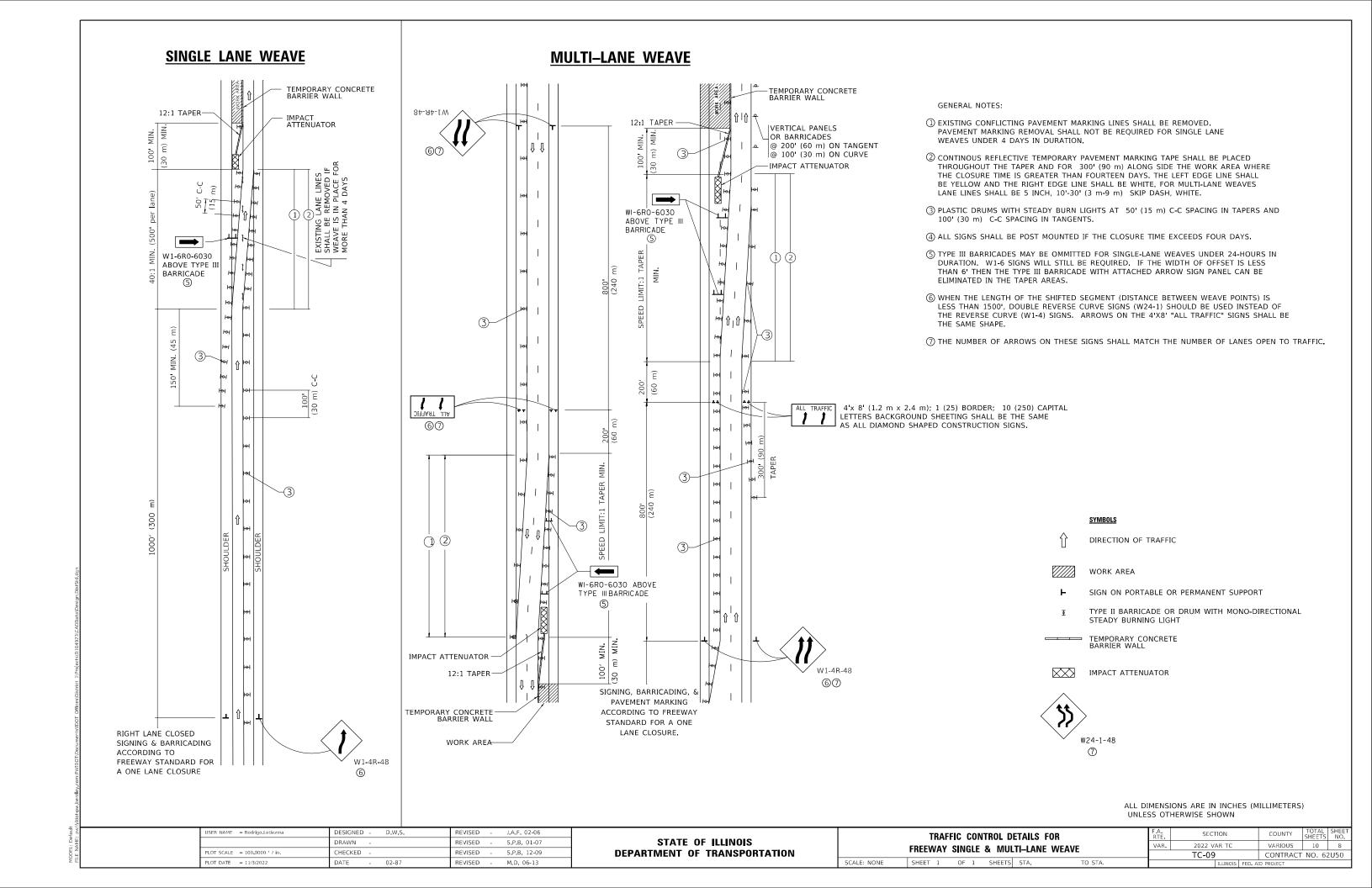
- 6 AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH
- (8) ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ② ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

COUNTY

VARIOUS 10 7
CONTRACT NO. 62U50

USER NAME = Rodrigo Ledezma	DESIGNED - D.W.S.	REVISED -	S.P.B01-07			EN	TRANCE	AND EXIT RAM	1P	F.A. RTE	SECTION
	DRAWN -	REVISED -	S.P.B12-09	STATE OF ILLINOIS			-	JRE DETAILS		VAR.	2022 VAR TC
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TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

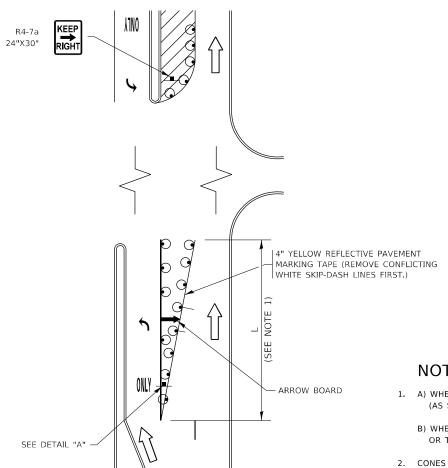


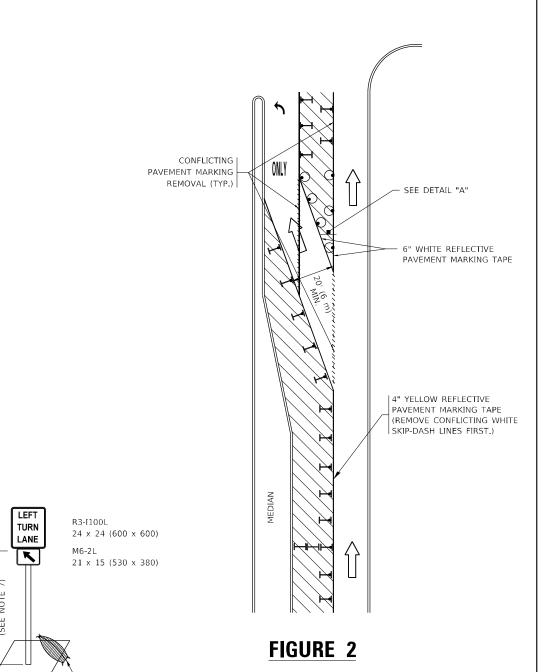
FIGURE 1

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 CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE



DETAIL A

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

USER NAME = Rodrigo.Ledezma	DESIGNED	- T.	RAMMACHER	09-08-94	REVISED	-	R. BORO 0	9-14-09
	DRAWN	-	A. HOUSEH	11-07-95	REVISED	- A.	SCHUETZE	07-01-13
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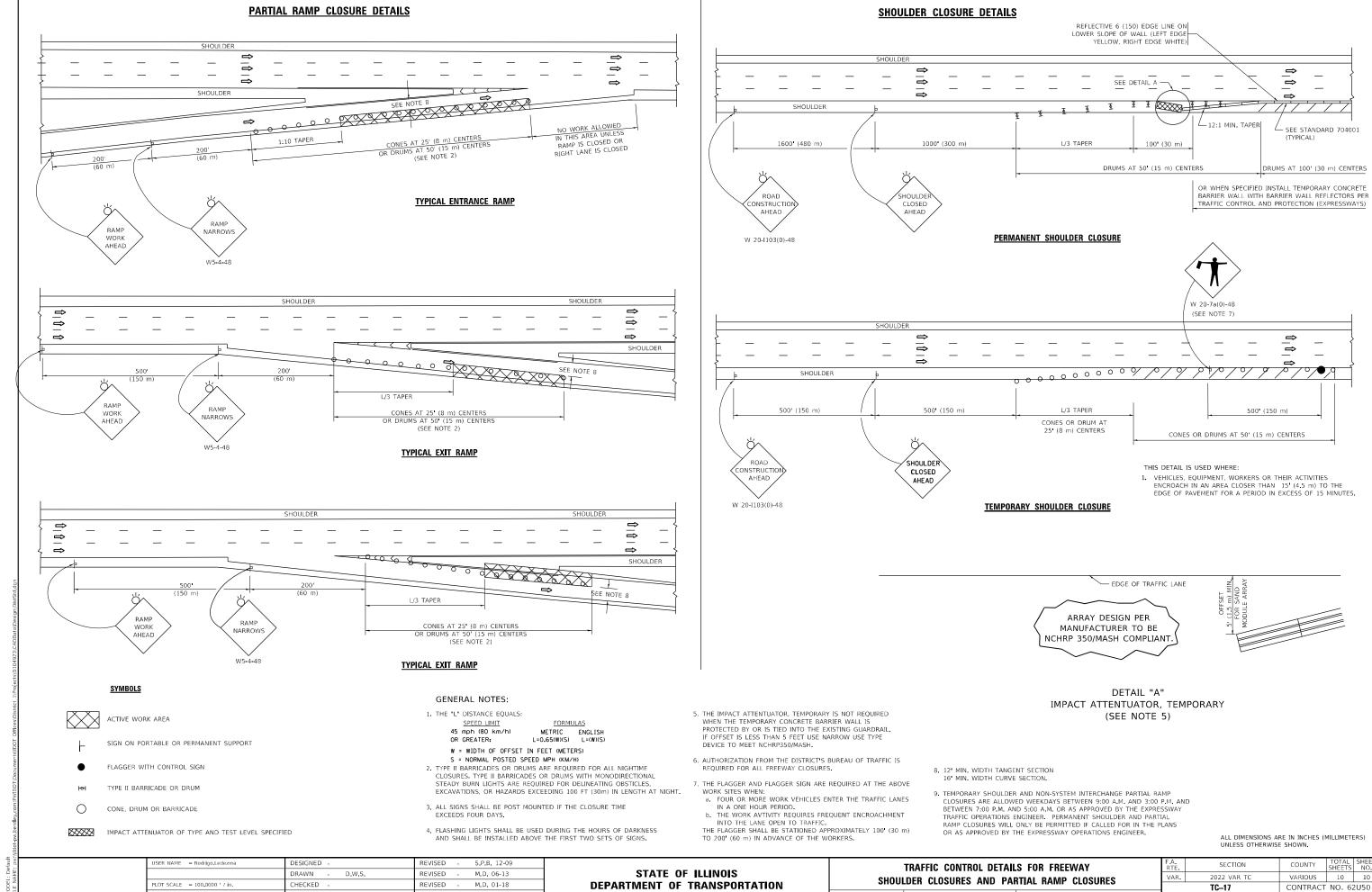
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

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SECTION 2022 VAR TC VARIOUS 10 TC-14 CONTRACT NO. 62U50



M.D. 10-20

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SHEET 1 OF 1 SHEETS STA.