

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2022 FENCE 22	VARIOUS	22	1
		ILLINOIS	CONTRACT NO. 62R86	

D-91-194-22

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

ROUTE: VARIOUS EXPRESSWAYS AND ARTERIAL
HIGHWAYS – DISTRICT ONE

SECTION: 2022 FENCE 22

FENCE REPAIR

COUNTY: VARIOUS

C-91-235-22



THIS SECTION IS LOCATED ALONG VARIOUS ROUTES WITHIN THE DISTRICT ONE COUNTIES OF Mc HENRY, LAKE, KANE, DU PAGE, COOK AND WILL.

SEE LOCATION MAPS
SHEETS 4 THRU 12

C.U.A.N.
CHICAGO UTILITY ALERT NETWORK
1-312-744-7000

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

PROJECT MANAGER: J. ALAIN MIDY (847) 221-3056

CONTRACT NO. 62R86

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 20 2022
Jose Rios
REGIONAL ENGINEER

June 10, 2022 *J. A. Etk*
ENGINEER OF DESIGN AND ENVIRONMENT

June 10, 2022 *Steph M. Smith*
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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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 THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 FOR EXPRESSWAYS AND KALPANA.KANNAN-HOSAGURGA@ILLINOIS.GOV FOR ARTERIALS, A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE CONTRACTOR SHALL SUBMIT ALL DAILY LANE, RAMP AND SHOULDER CLOSURES VIA WWW.IDOTLCS.COM AT LEAST 24 HOURS IN ADVANCE OF ALL DAILY LANE, AND RAMP AND SHOULDER CLOSURES. THE CONTRACTOR SHALL REQUEST AND GAIN THE APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT (847) 705-4151 OR (847) 705-4155.

* MOVING LANE CLOSURES WILL NOT BE PERMITTED ON EXPRESSWAYS

STATE STANDARDS

DESCRIPTION

664001-02	CHAIN LINK FENCE
665001-02	WOVEN WIRE FENCE
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY
701336-07	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS > 45 MPH
701400-11	APPROACH TO LANE CLOSURE, FREEWAY/ EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY/ EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
701422-10	LANE CLOSURE, MULTILANE, FOR SPEEDS > 45 MPH TO 55 MPH
* 701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS > 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTANT OR MOVING OPERATIONS < 40 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/ EXPRESSWAY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
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 LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE 0021				
CODE NO	ITEM	UNIT		100% STATE 0021				
66400505	CHAIN LINK FENCE, 8'	FOOT	2195	2195				
66500105	WOVEN WIRE FENCE, 4'	FOOT	464	464				
X0300266	WOODEN FENCE REMOVAL	FOOT	2000	2000				
X6640100	FENCE RAIL REMOVAL	FOOT	1806	1806				
X6640300	CHAIN LINK FENCE REMOVAL	FOOT	46	46				
X6640309	CHAIN LINK GATES (SPECIAL)	SO FT	682	682				
X6640590	CHAIN LINK FENCE POST SLEEVE REPAIR	EACH	39	39				
Z0009600	CHAIN LINK FABRIC, SPECIAL, 5'-0"	FOOT	20	20				
Z0009700	CHAIN LINK FABRIC, SPECIAL, 6'-0"	FOOT	1505	1505				
Z0009800	CHAIN LINK FABRIC, SPECIAL, 7'-0"	FOOT	9	9				
Z0009810	CHAIN LINK FABRIC, SPECIAL, 8'-0"	FOOT	59	59				
Z0009900	CHAIN LINK FABRIC, TYPE 1, 4'-0"	FOOT	10000	10000				
Z0010300	CHAIN LINK FABRIC, TYPE 3, SPECIAL	FOOT	390	390				
Z0020210	PULL POST ARRANGEMENT	EACH	3	3				
Z0033200	LINE POST, TYPE 1	EACH	702	702				
Z0033305	LINE POST, TYPE 3 SPECIAL	EACH	20	20				

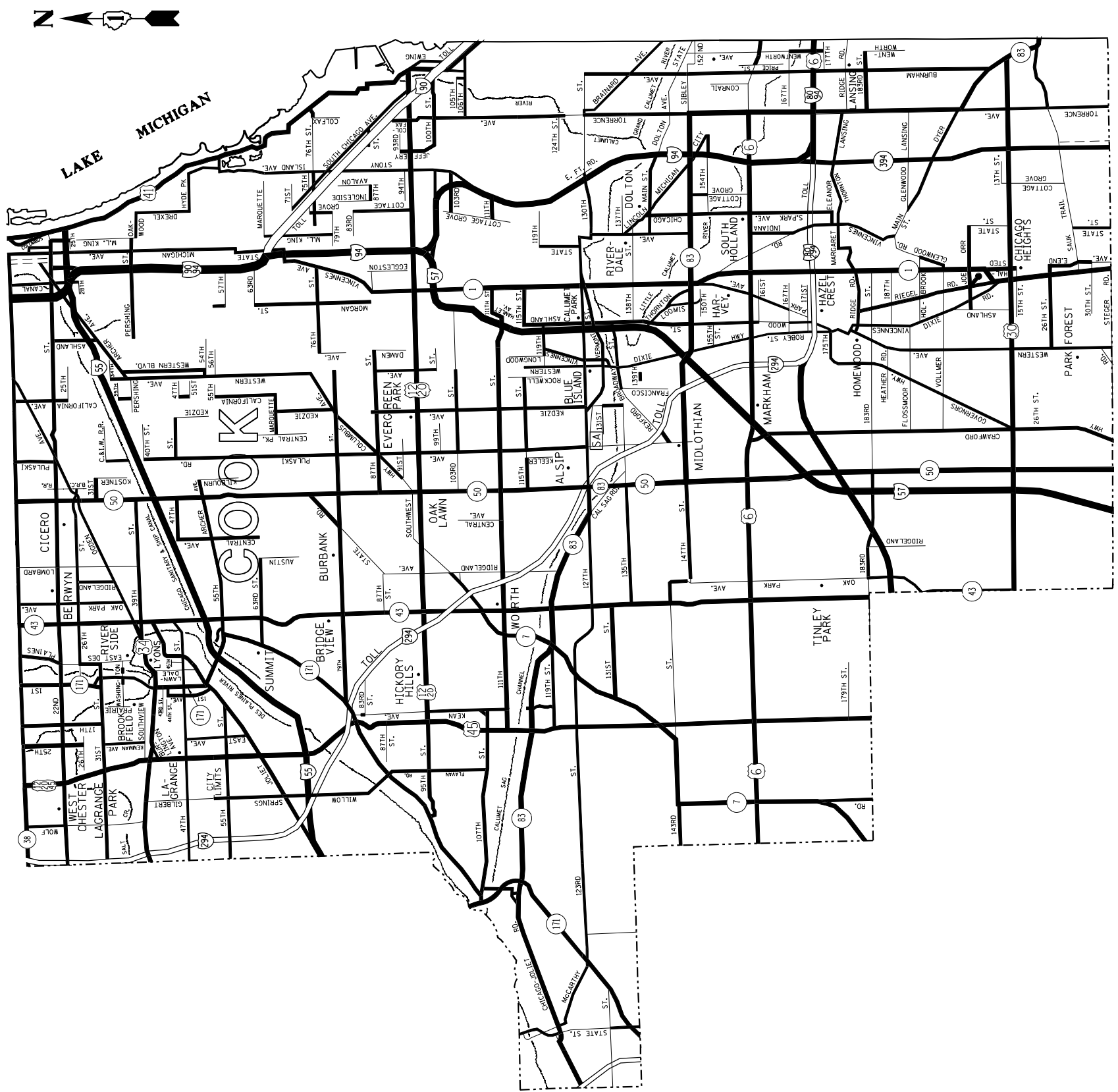
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CODE NO	ITEM	UNIT		100% STATE 0021				
Z0042500	POST, SPECIAL	EACH	77	77				
Z0042505	POST REMOVAL AND REPLACEMENT	EACH	6	6				
Z0074000	TERMINAL POST, TYPE 1	EACH	39	39				
Z0074010	TERMINAL POST, TYPE 3 SPECIAL	EACH	6	6				

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2022 FENCE 22	VARIOUS	21	3
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R86	



DISTRICT NO. 1
MAINTENANCE DESIGNATIONS

- VARIOUS COLORS STATE HIGHWAYS & EXPRESSWAYS
- TOLLWAY
- CITY MAINTENANCE AGREEMENTS
- - - - FUTURE HIGHWAYS
- VARIOUS AGENCIES HIGHWAYS

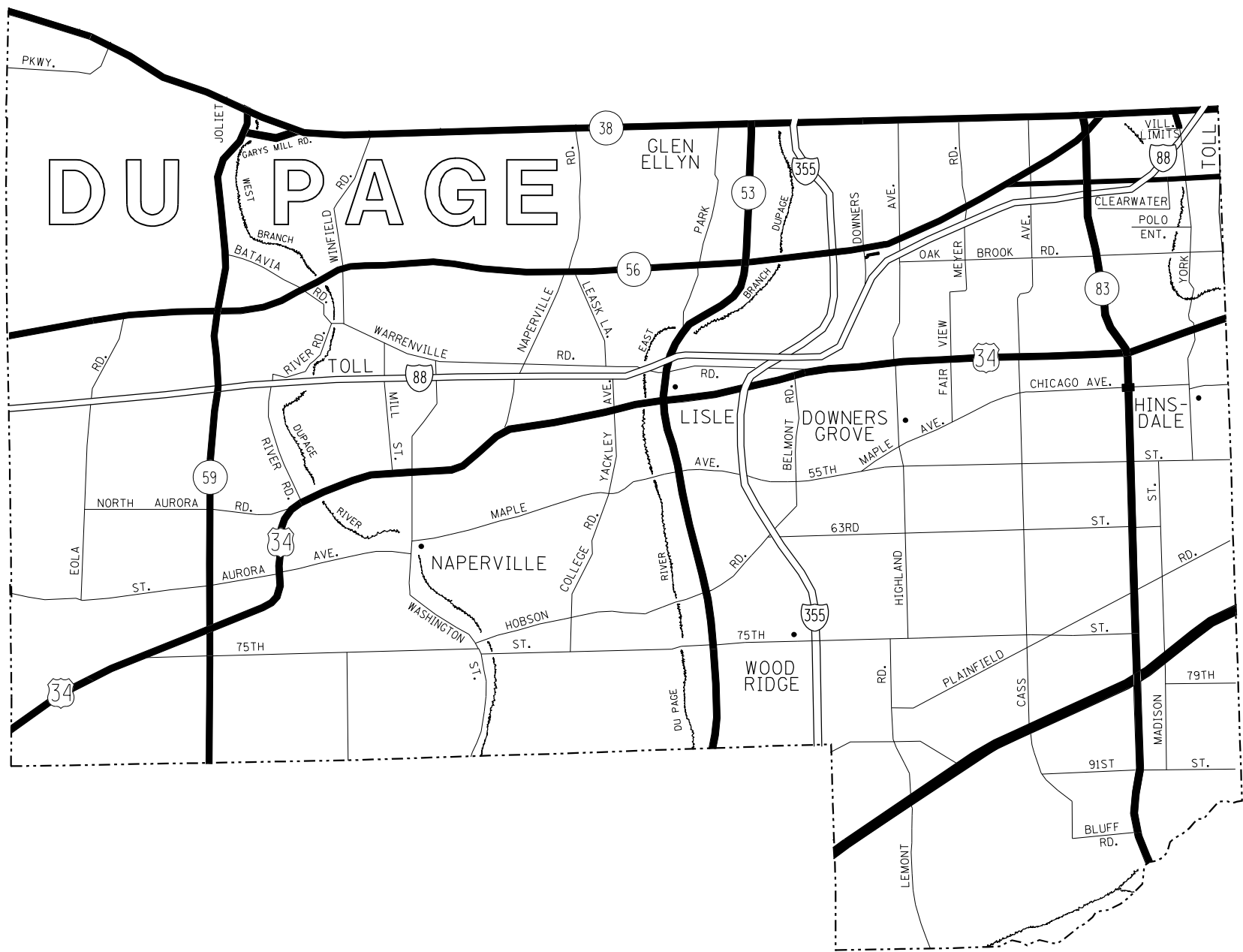
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FENCE REPAIR LOCATION MAP - COOK COUNTY
SOUTH OF IL RTE 38

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2022 FENCE 22	VARIOUS	21	4
CONTRACT NO. 62R86				
ILLINOIS FED. AID PROJECT				



DISTRICT NO. 1
MAINTENANCE DESIGNATIONS

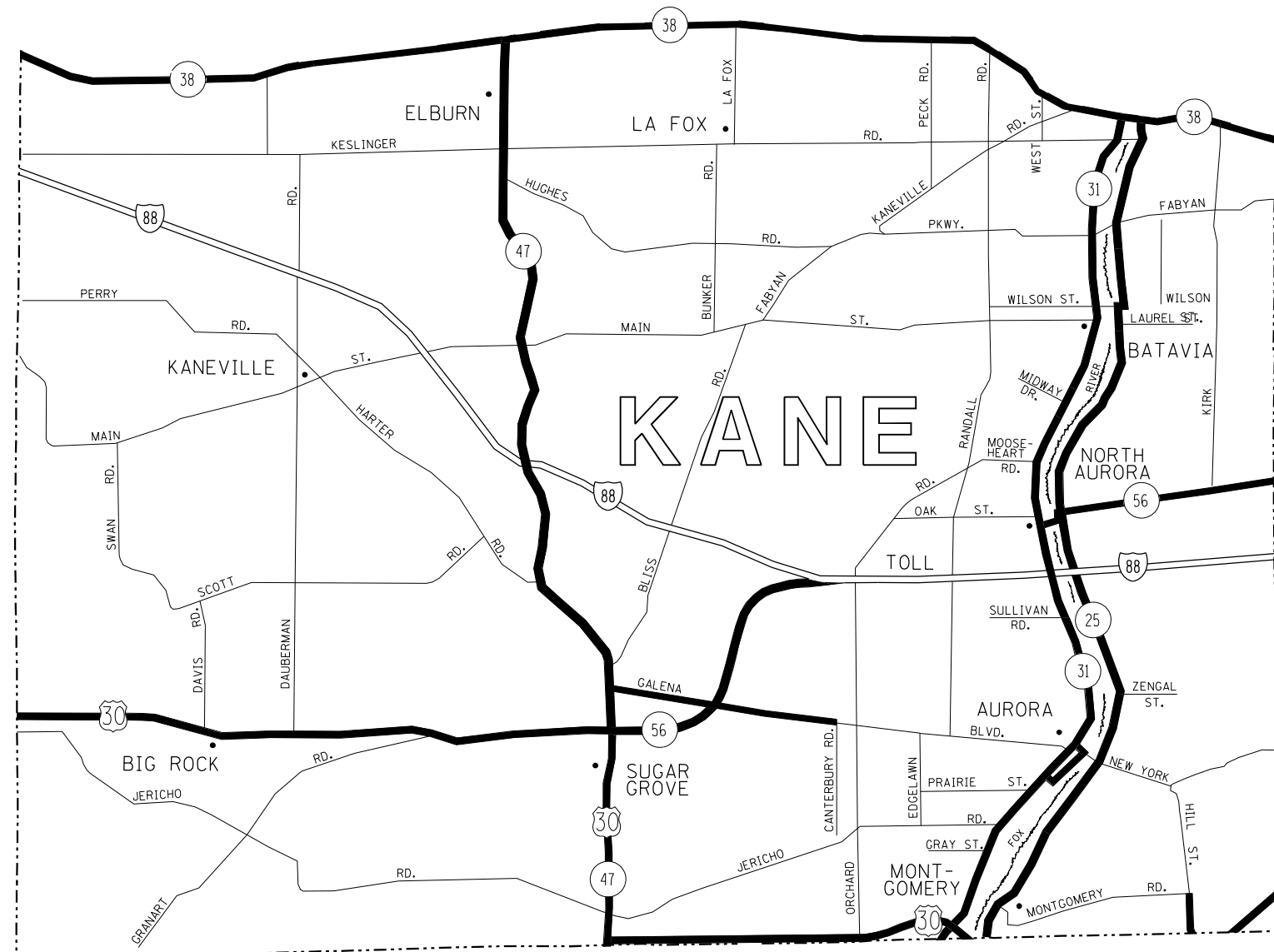
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- TOLLWAY
- CITY MAINTENANCE AGREEMENTS
- FUTURE HIGHWAYS
- VARIOUS AGENCIES HIGHWAYS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FENCE REPAIR LOCATION MAP - DuPAGE COUNTY			
SOUTH OF IL RTE 38			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

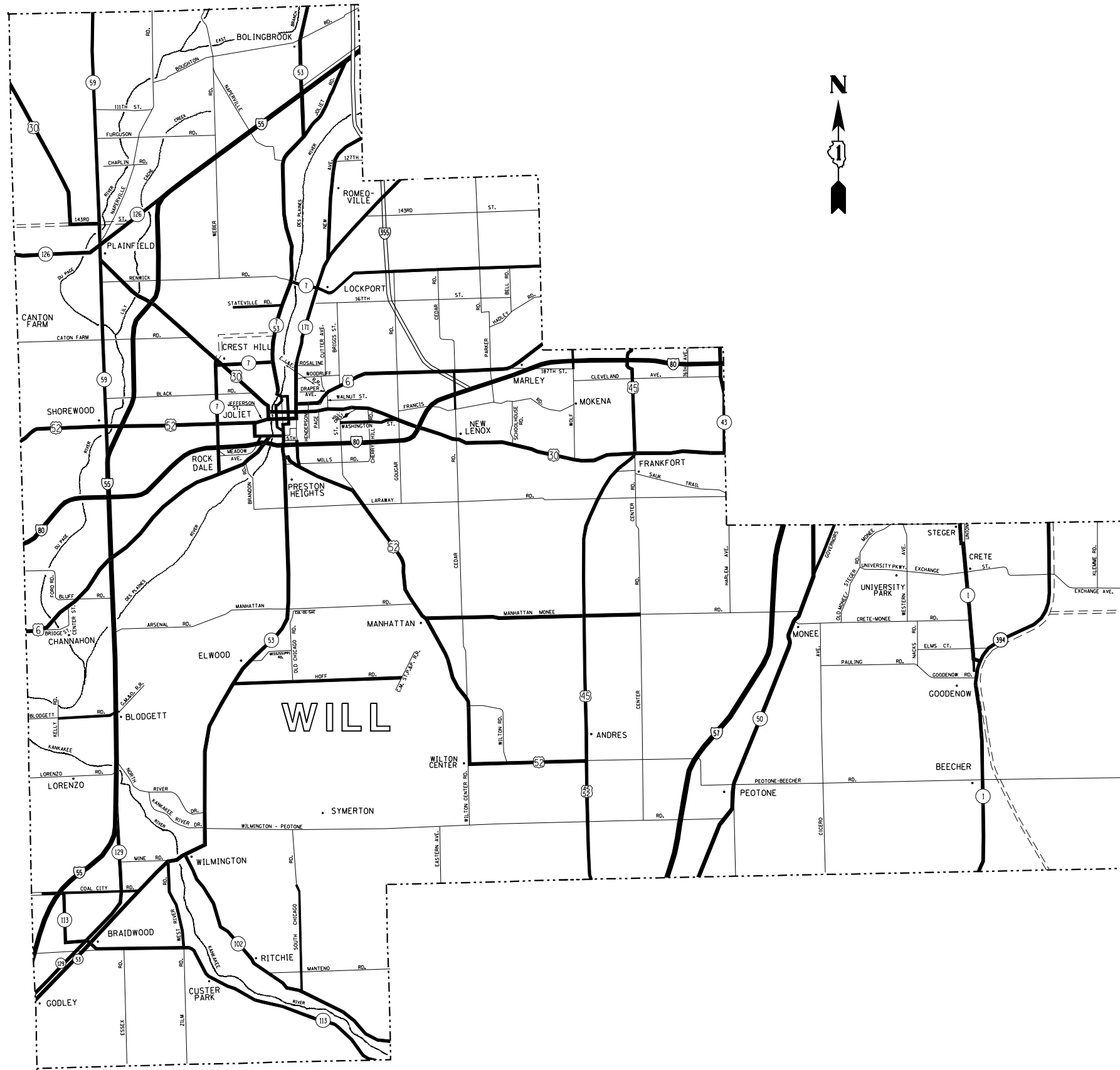
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CONTRACT NO. 62R86				
ILLINOIS FED. AID PROJECT				



DISTRICT NO. 1
MAINTENANCE DESIGNATIONS

- VARIOUS COLORS STATE HIGHWAYS & EXPRESSWAYS
- TOLLWAY
- CITY MAINTENANCE AGREEMENTS
- FUTURE HIGHWAYS
- VARIOUS AGENCIES HIGHWAYS

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DISTRICT NO. 1 MAINTENANCE DESIGNATIONS

- VARIOUS COLORS STATE HIGHWAYS & EXPRESSWAYS
- TOLLWAY
- CITY MAINTENANCE AGREEMENTS
- FUTURE HIGHWAYS
- VARIOUS AGENCIES HIGHWAYS

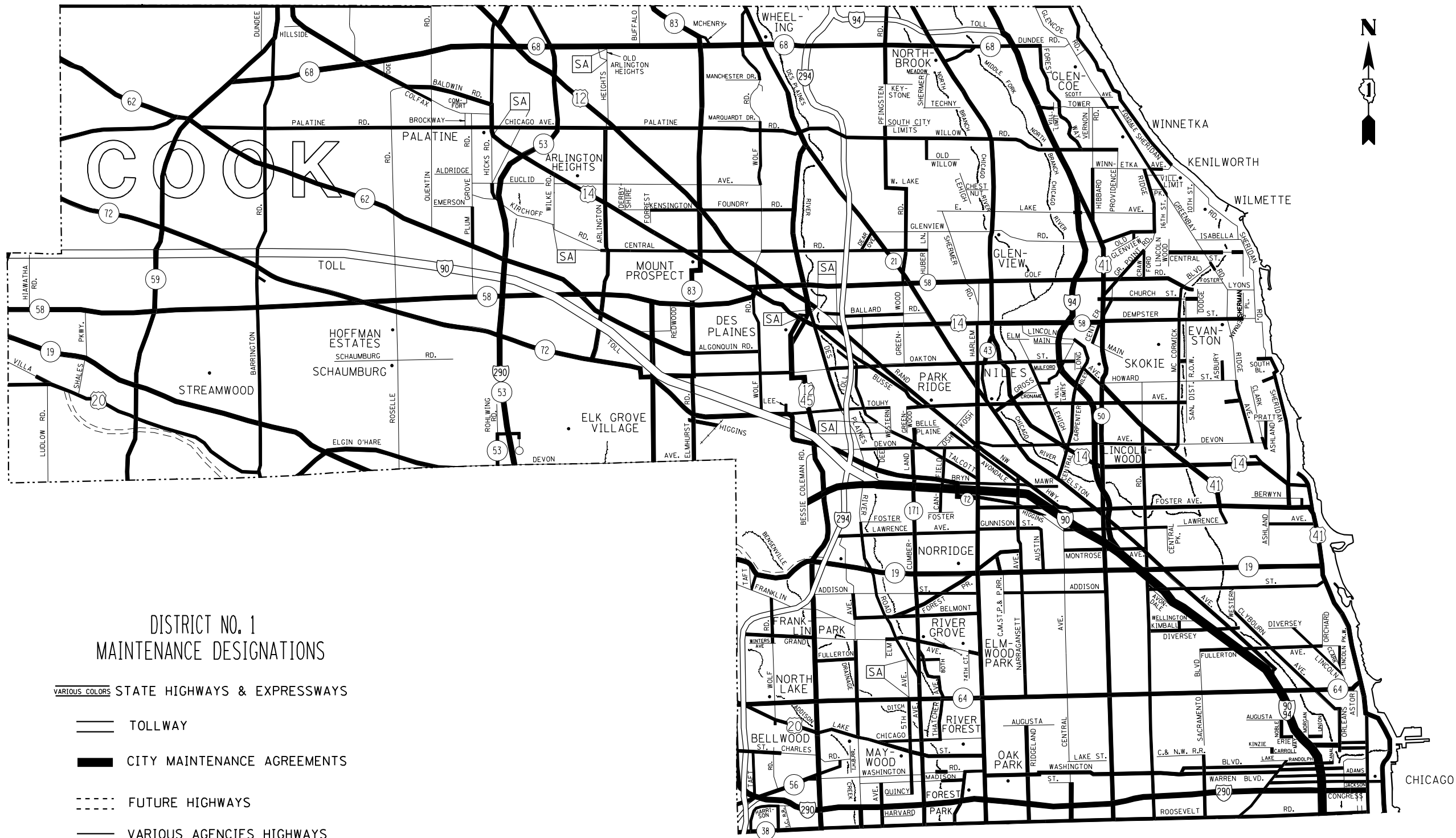
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

FENCE REPAIR LOCATION MAP - WILL COUNTY

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2022 FENCE 22	VARIOUS	21	7
CONTRACT NO. 62R86				
ILLINOIS FED. AID PROJECT				



DISTRICT NO. 1
MAINTENANCE DESIGNATIONS

- VARIOUS COLORS STATE HIGHWAYS & EXPRESSWAYS
- TOLLWAY
- CITY MAINTENANCE AGREEMENTS
- - - FUTURE HIGHWAYS
- VARIOUS AGENCIES HIGHWAYS

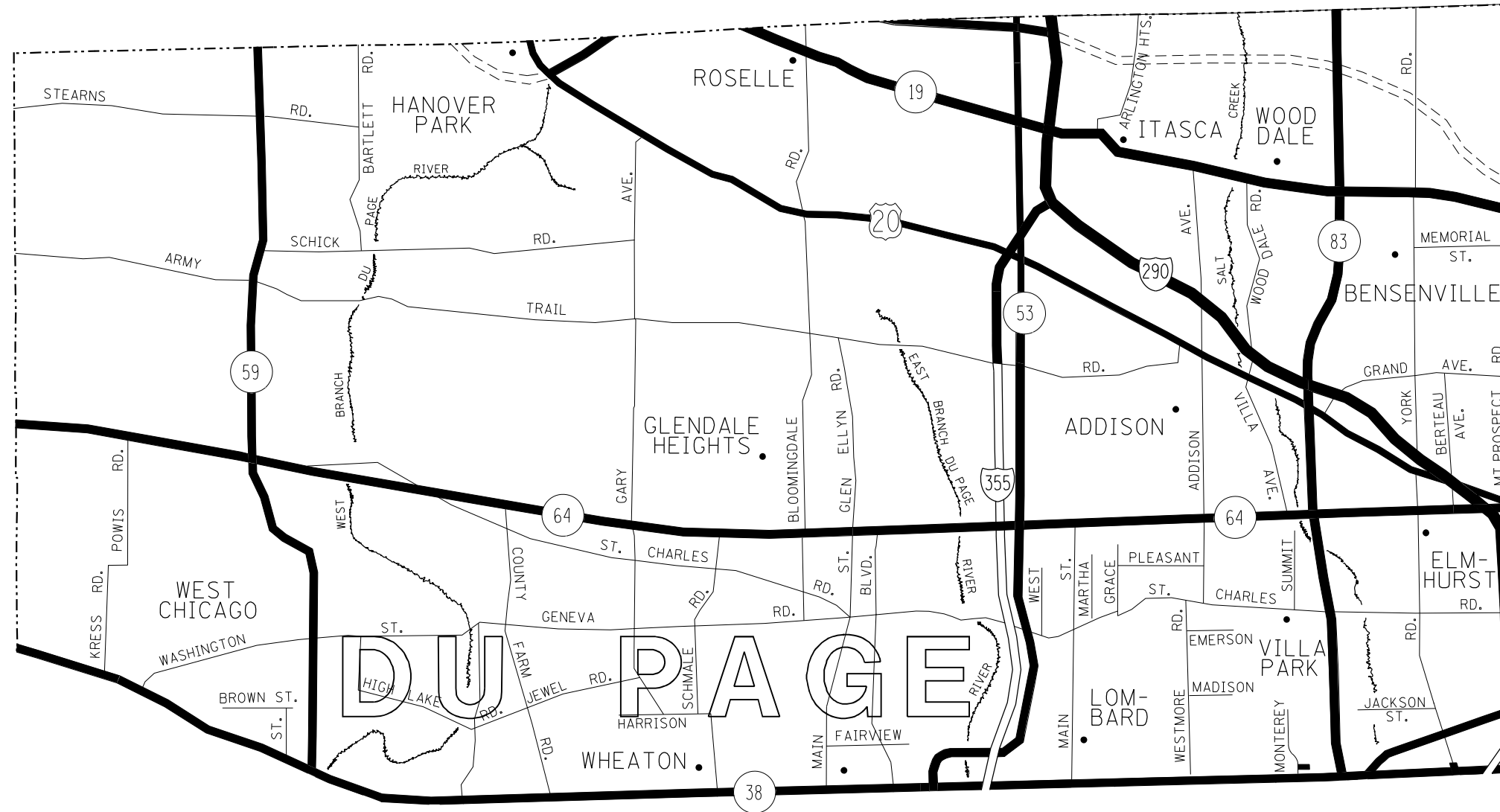
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FENCE REPAIR LOCATION MAP - COOK COUNTY
NORTH OF IL RTE 38

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2022 FENCE 22	VARIOUS	21	8
			CONTRACT NO. 62R86	
ILLINOIS FED. AID PROJECT				



DISTRICT NO. 1
MAINTENANCE DESIGNATIONS

- VARIOUS COLORS STATE HIGHWAYS & EXPRESSWAYS
- TOLLWAY
- CITY MAINTENANCE AGREEMENTS
- FUTURE HIGHWAYS
- VARIOUS AGENCIES HIGHWAYS

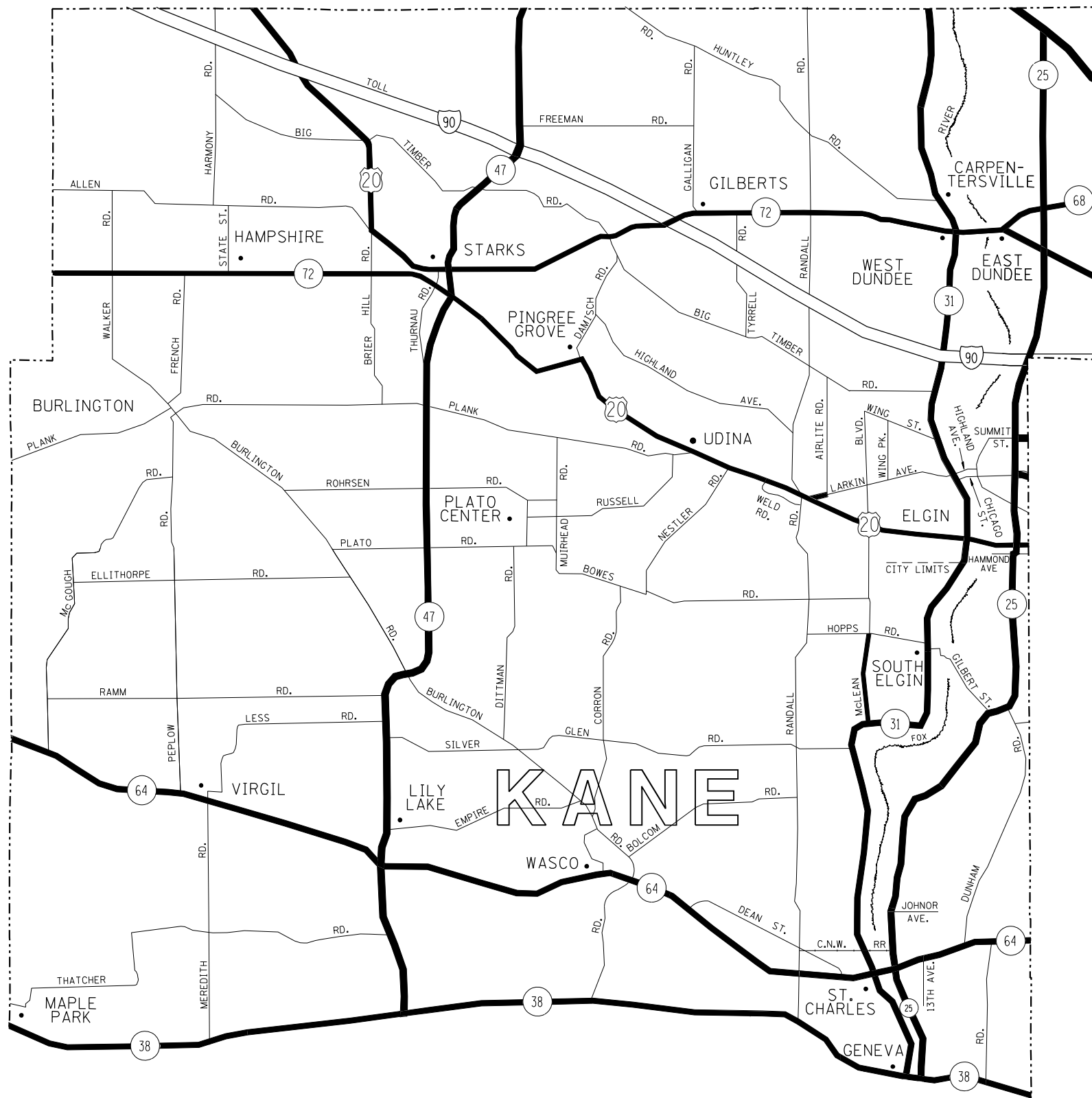
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FENCE REPAIR LOCATION MAP - DuPAGE COUNTY
NORTH OF IL RTE 38

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2022 FENCE 22	VARIOUS	21	9
			CONTRACT NO. 62R86	
ILLINOIS FED. AID PROJECT				



DISTRICT NO. 1
MAINTENANCE DESIGNATIONS

- VARIOUS AGENCIES HIGHWAYS
- CITY MAINTENANCE AGREEMENTS
- FUTURE HIGHWAYS
- TOLLWAY
- STATE HIGHWAYS & EXPRESSWAYS

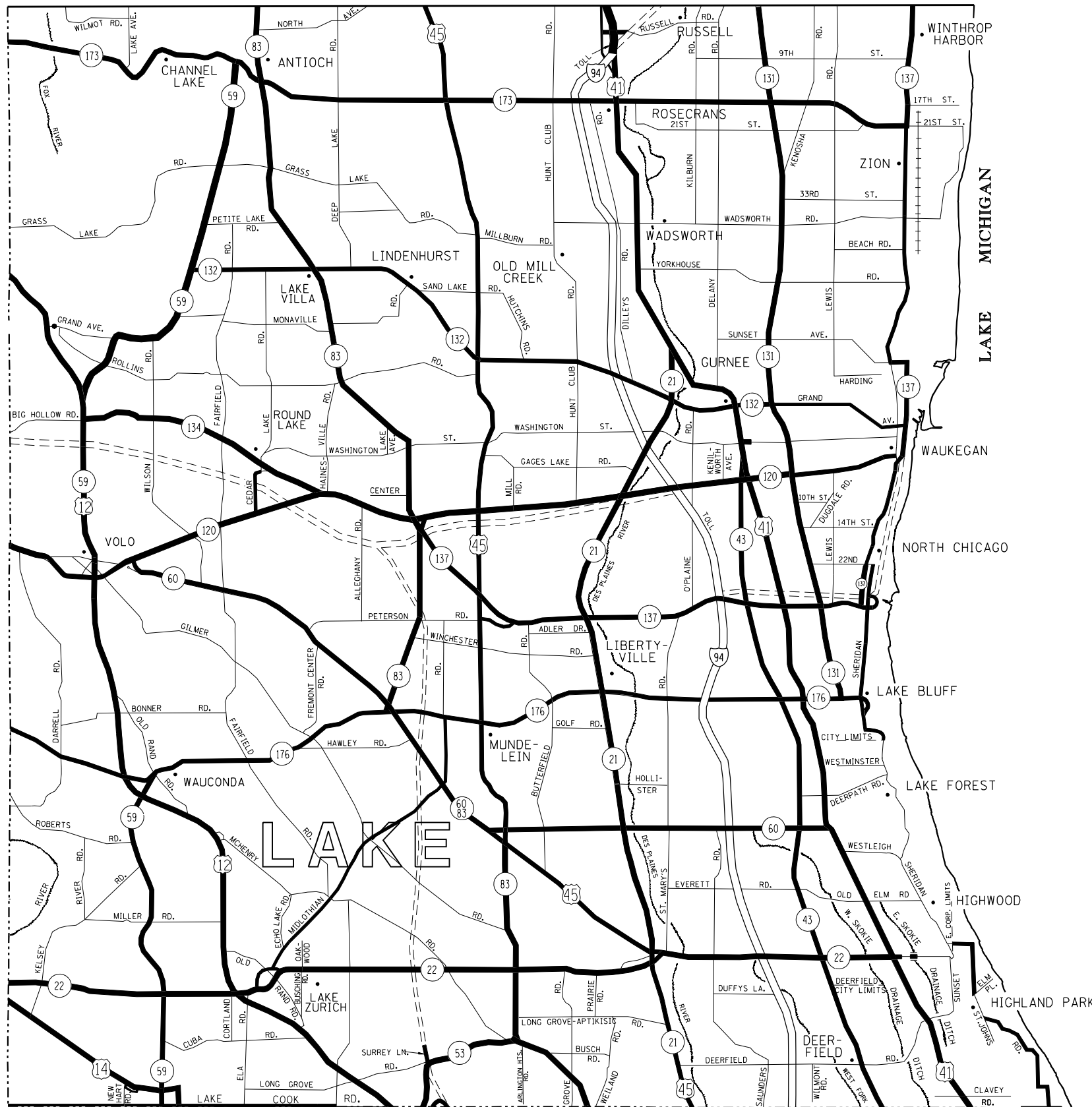
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FENCE REPAIR LOCATION MAP - KANE COUNTY
NORTH OF IL RTE 38

SCALE: SHEET OF SHEETS STA. TO STA.

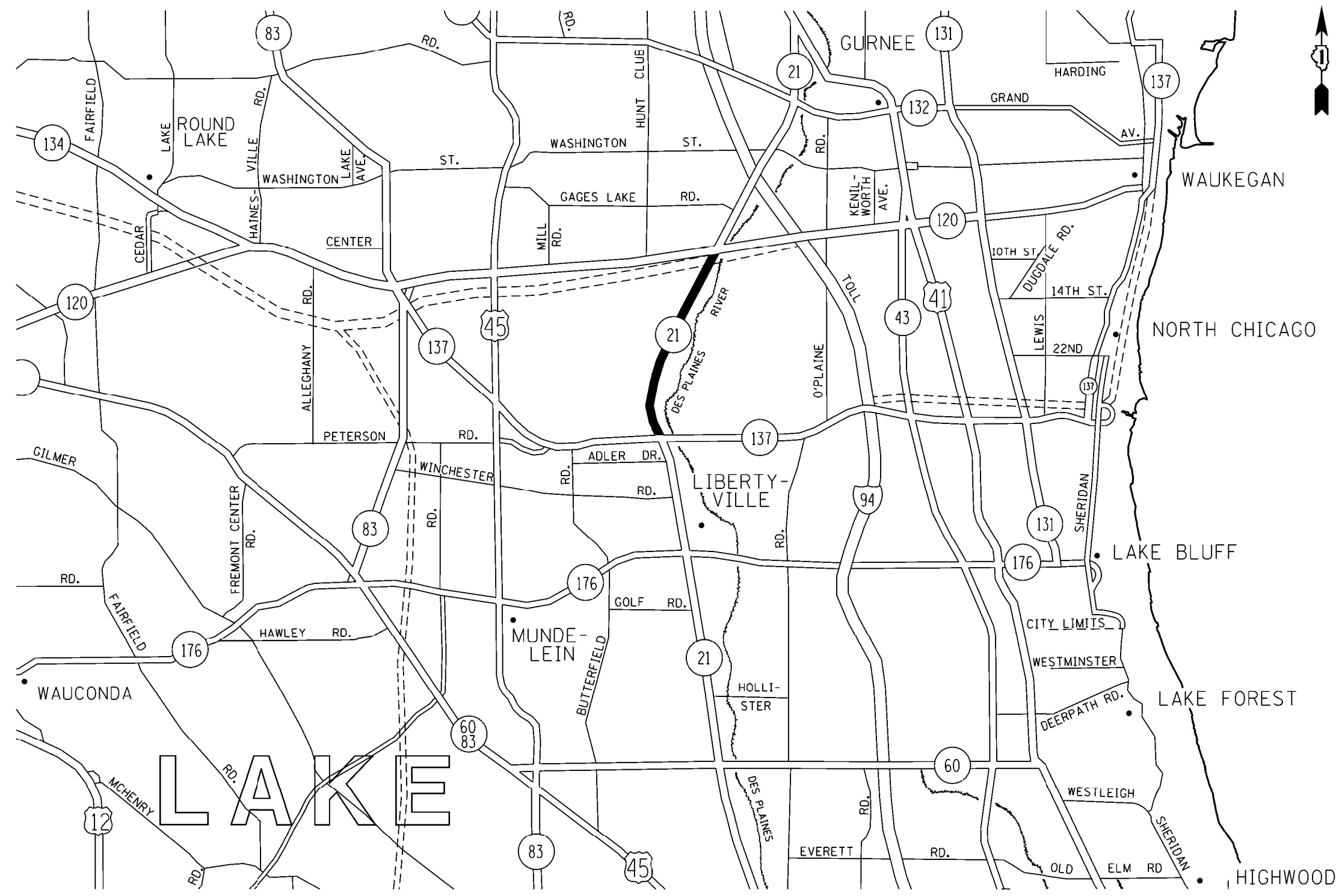
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VAR	2022 FENCE 22	VARIOUS	21	10
			CONTRACT NO. 62R86	
ILLINOIS FED. AID PROJECT				



DISTRICT NO. 1 MAINTENANCE DESIGNATIONS

- VARIOUS COLORS STATE HIGHWAYS & EXPRESSWAYS
- TOLLWAY
- CITY MAINTENANCE AGREEMENTS
- FUTURE HIGHWAYS
- VARIOUS AGENCIES HIGHWAYS

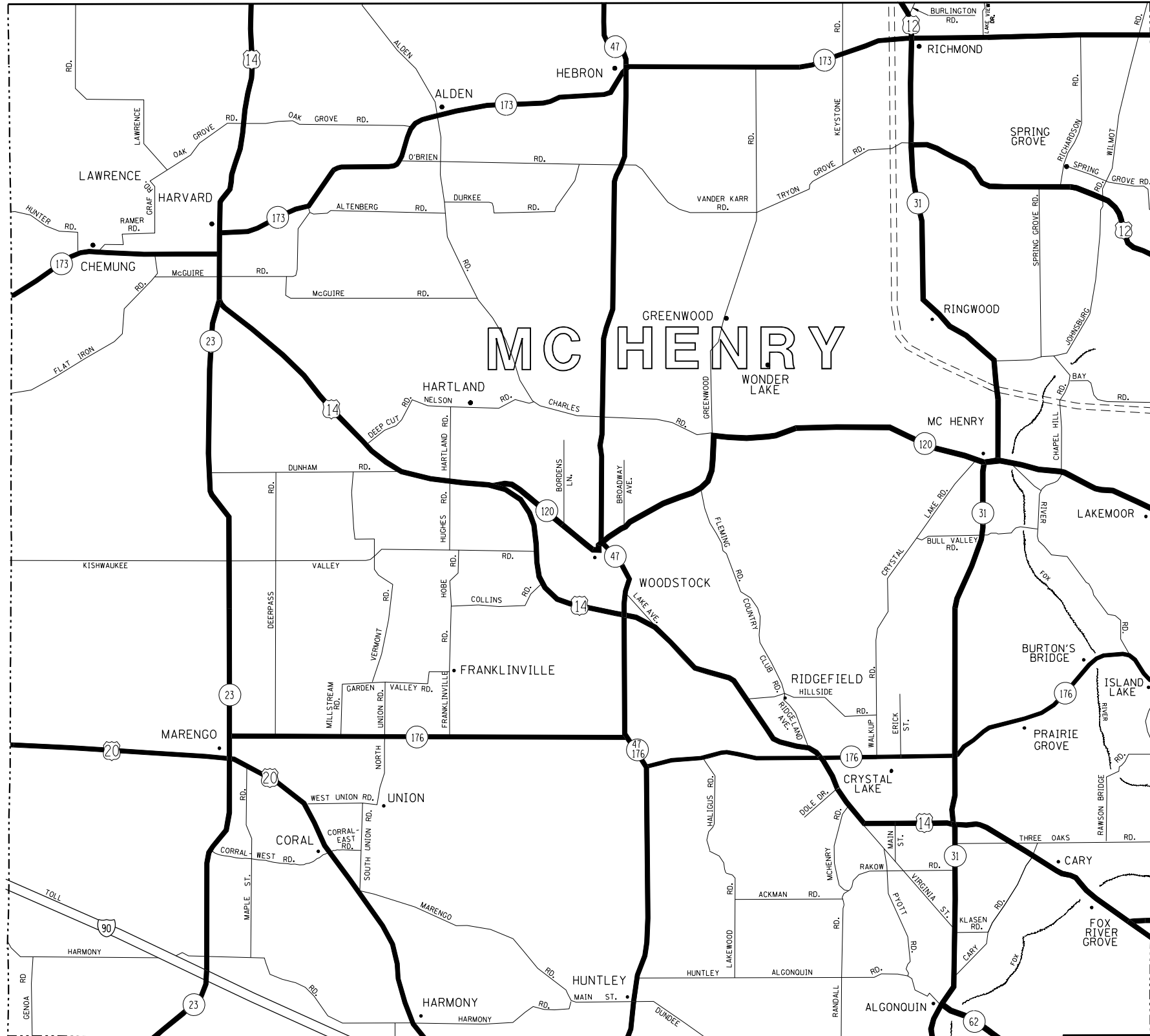
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	PLOT DATE = 5/19/2022				ILLINOIS FED. AID PROJECT							



DISTRICT NO. 1 MAINTENANCE DESIGNATIONS

- VARIOUS COLORS STATE HIGHWAYS & EXPRESSWAYS
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- VARIOUS AGENCIES HIGHWAYS

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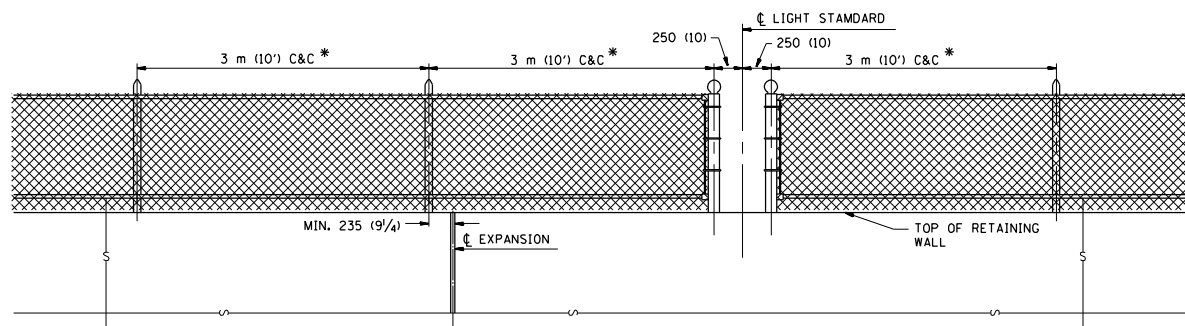
DISTRICT NO. 1 MAINTENANCE DESIGNATIONS

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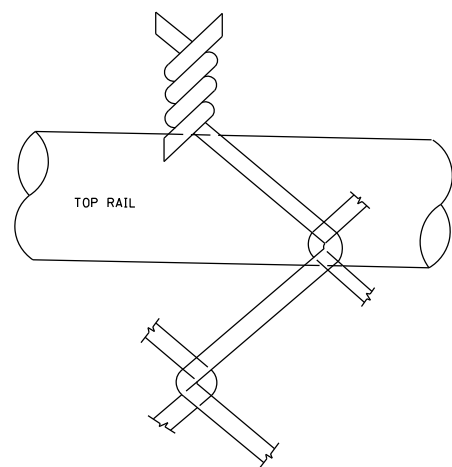
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PLOT DATE = 5/19/2022		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	

NOTE

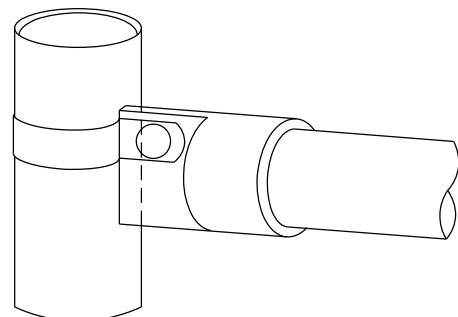
* MAXIMUM POST SPACING SHALL BE 3 m (10') C&C EXCEPT WHERE OTHERWISE SHOWN ON PLANS



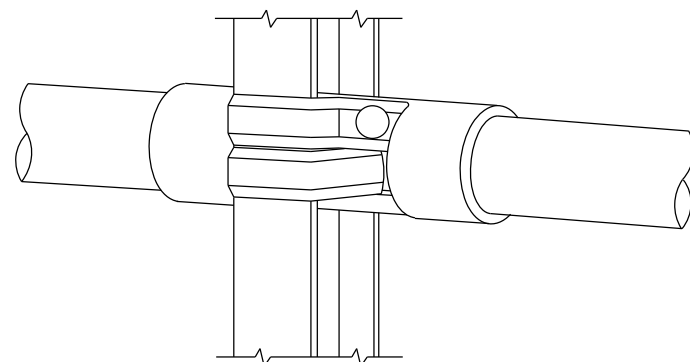
ELEVATION VIEW OF RETAINING WALL WITH PEDESTRIAN BARRIER TYPE III



WIRE MESH FABRIC TO BE BARBED AT THE TOP

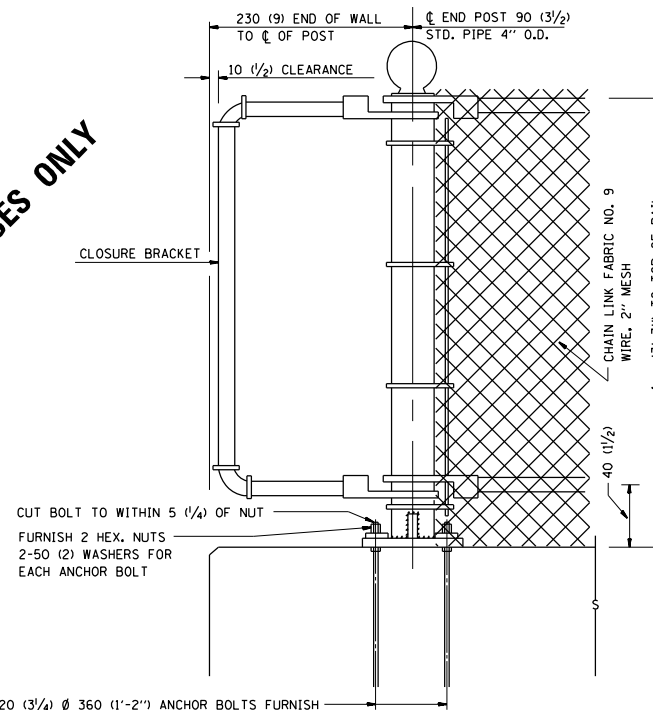


RAIL FITTING AT END POSTS



RAIL FITTING ON SECTION LINE POST

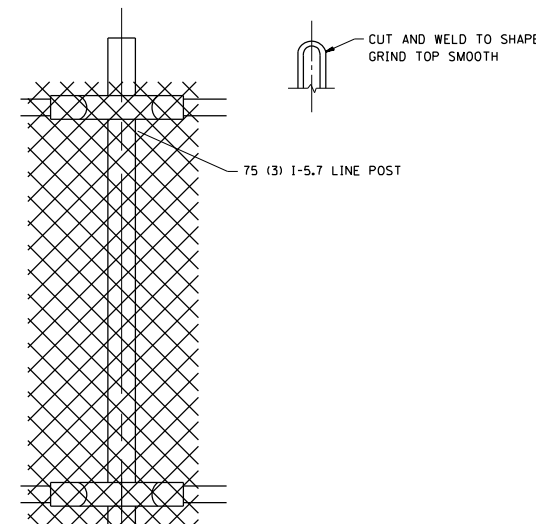
FOR INFORMATIONAL PURPOSES ONLY



END POST

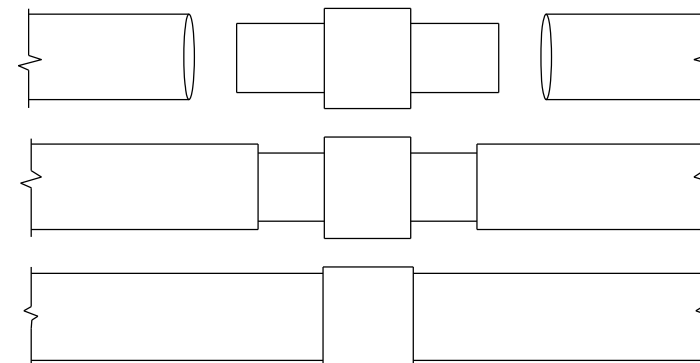
20 (3/4) Ø 360 (1'-2") ANCHOR BOLTS FURNISH 4 BOLTS EACH POST PLACE BOLTS IN FORM BEFORE POURING WALL CONCRETE.

NOTE:
THE COST OF FURNISHING ANCHOR BOLTS, NUTS, & WASHERS TO BE INCIDENTAL



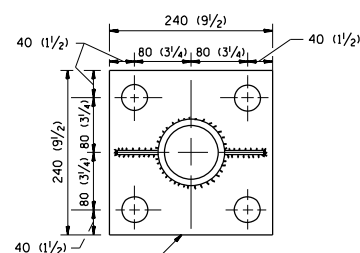
LINE POST

ANCHOR BOLT DETAIL SAME AS END POST



EXPANSION COUPLING DETAIL

NOTE:
EXP. COUPLING TO APPEAR IN TOP AND BOTTOM RAILS WHERE EVER EXP. JT. APPEARS IN STRUCTURE.



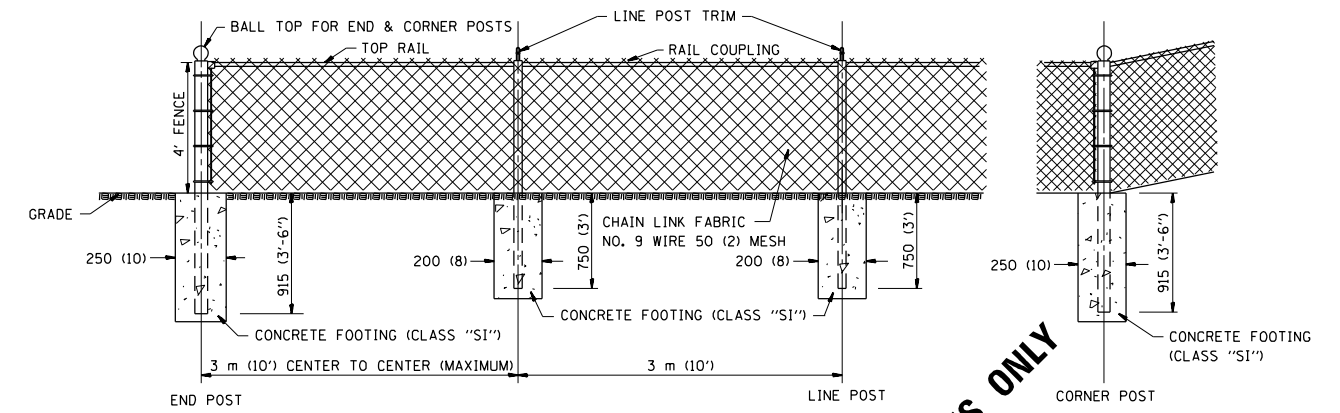
240 (9/2) X 80 (3/4) X 240 (9/2) BASE & 4-30 (1/4) Ø HOLES FOR END & LINE POSTS

ANCHOR PLATE DETAILS

NOTE:
POST, PLATE AND GUSSET ASSEMBLY SHALL BE GALVANIZED AFTER ALL CUTTING, DRILLING, WELDING, AND FABRICATION HAVE BEEN COMPLETED. THE GALVANIZED COATING SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 120. THE GALVANIZED COATING SHALL NOT BE LESS THAN 610 G/SO M (2.0 OZ./SQ. FT.) OF SURFACE.

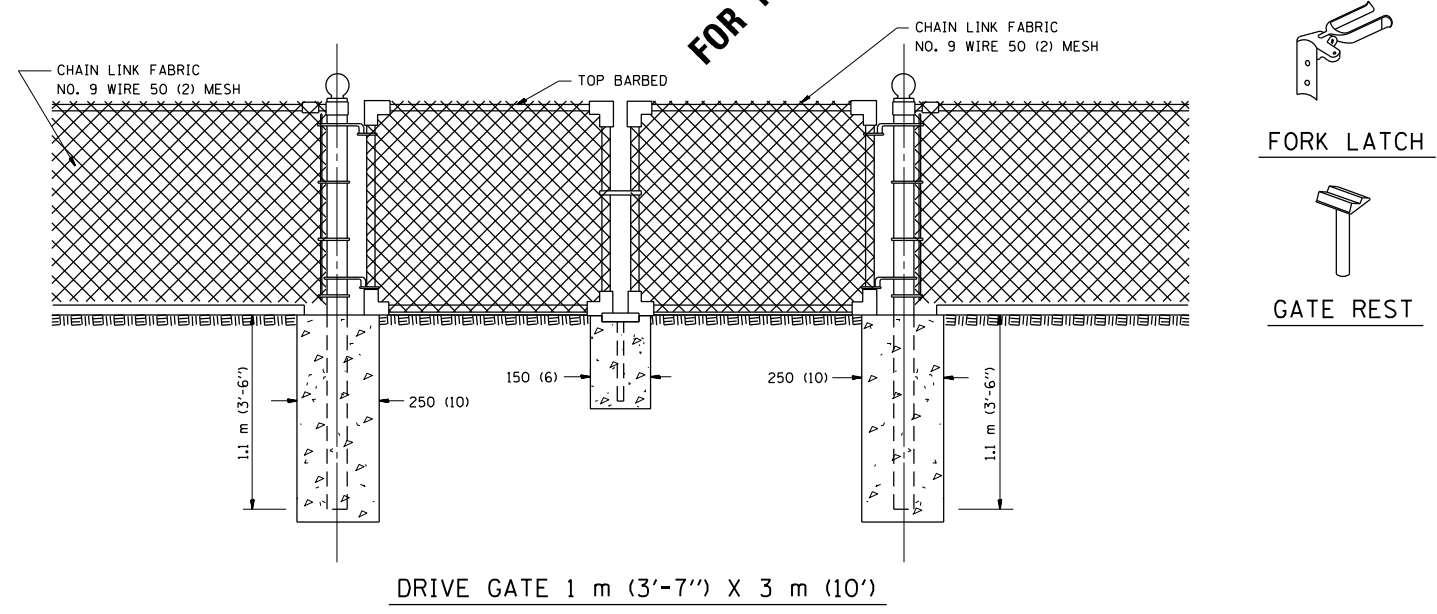
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = hassann	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PEDESTRIAN BARRIER TYPE III STD. 10-SS-514 R				F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\idot-pw.bentley.com\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI44816\CAD\DRAWING\B144816-sht-plan.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -						VAR	2022 FENCE 22	VARIOUS	21	13
PLOT DATE = 5/19/2022	DATE -	REVISED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 62R86				
					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								



CHAIN LINK FENCE

FOR INFORMATIONAL PURPOSES ONLY



DRIVE GATE 1 m (3'-7") X 3 m (10')

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

NOTE:
 THE CHAIN LINK FENCE AS SHOWN HEREIN SHALL BE CONSTRUCTED AT SUCH LOCATIONS AS SHOWN ON PLANS AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS

 THE ENGINEER SHALL ESTABLISH ALL NECESSARY LINE AND GRADE PRIOR TO THE ERECTION OF THE FENCE IN CONFORMANCE WITH THE PLANS

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PLOT DATE = 5/19/2022	DATE -	REVISED -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CHAIN LINK FENCE
 STD. 10-SS-506 B

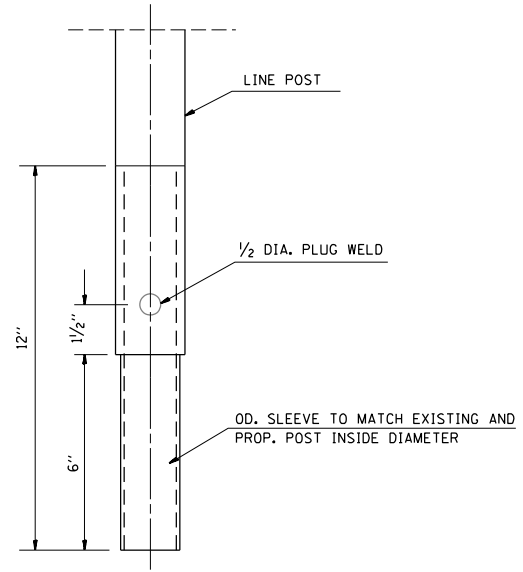
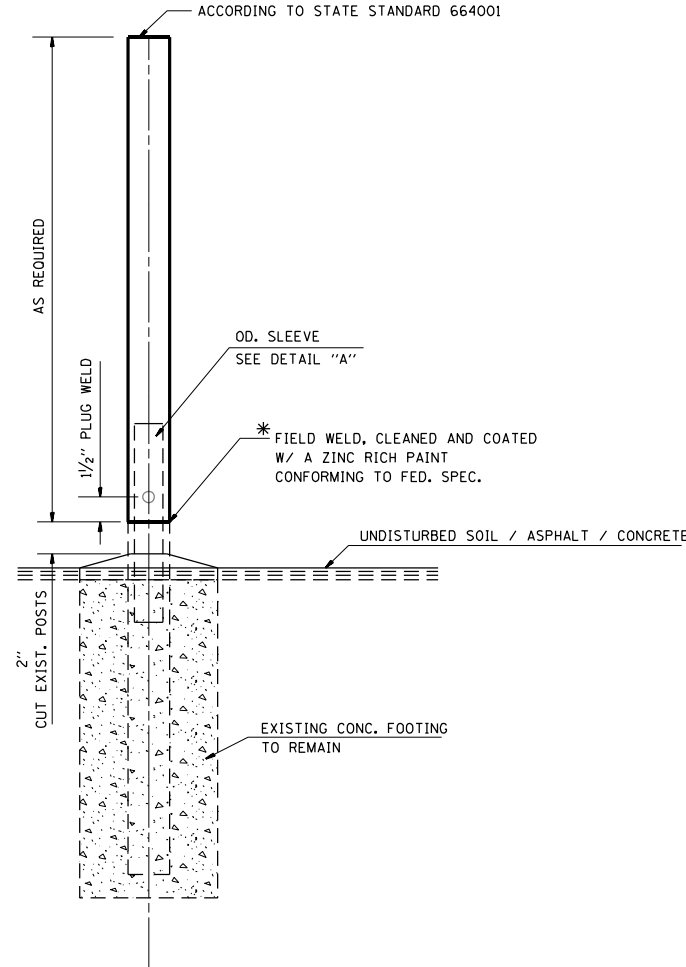
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2022 FENCE 22	VARIOUS	21	14
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 62R86	

GENERAL NOTES:

THIS WORK CONSISTS OF FURNISHING ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT TO REPAIR CHAIN LINK FENCE POST SLEEVE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER, AND IN ACCORDANCE WITH STATE STANDARD 664001.

BASIS OF PAVEMENT: THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "CHAIN LINK FENCE POST SLEEVE REPAIR" WHICH PRICE SHALL BE PAYMENT IN FULL TO COMPLETE THE WORK AS SPECIFIED HEREIN.



SLEEVE DET. DWG
DETAIL "A"
SLEEVE DETAIL

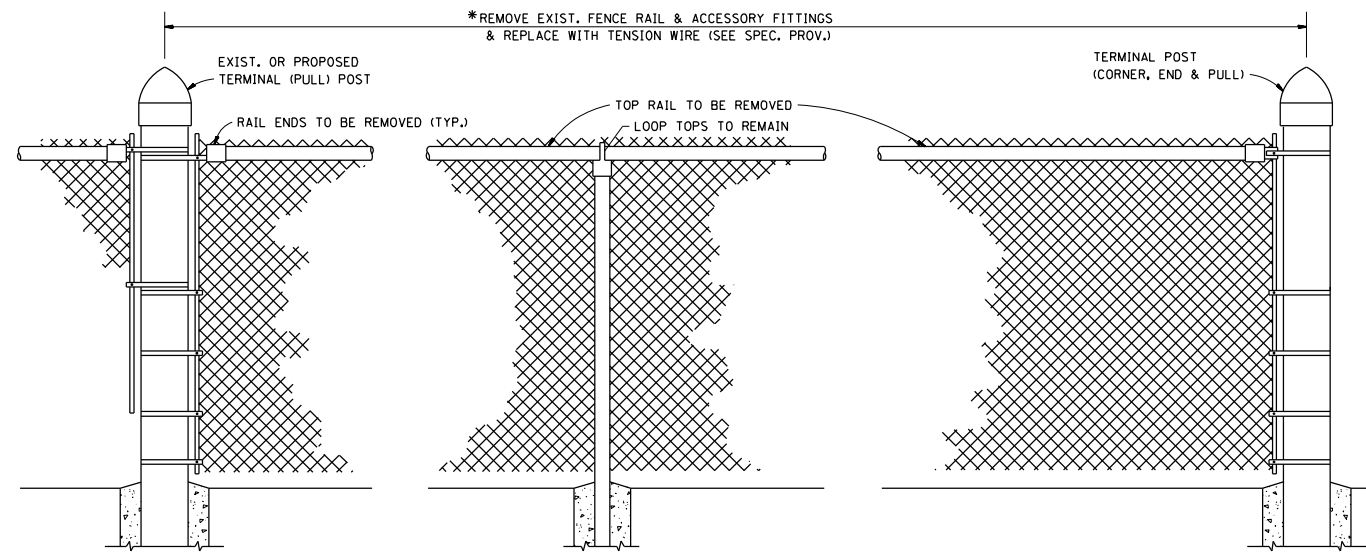
* THIS WORK SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "CHAIN LINK FENCE POST SLEEVE REPAIR"

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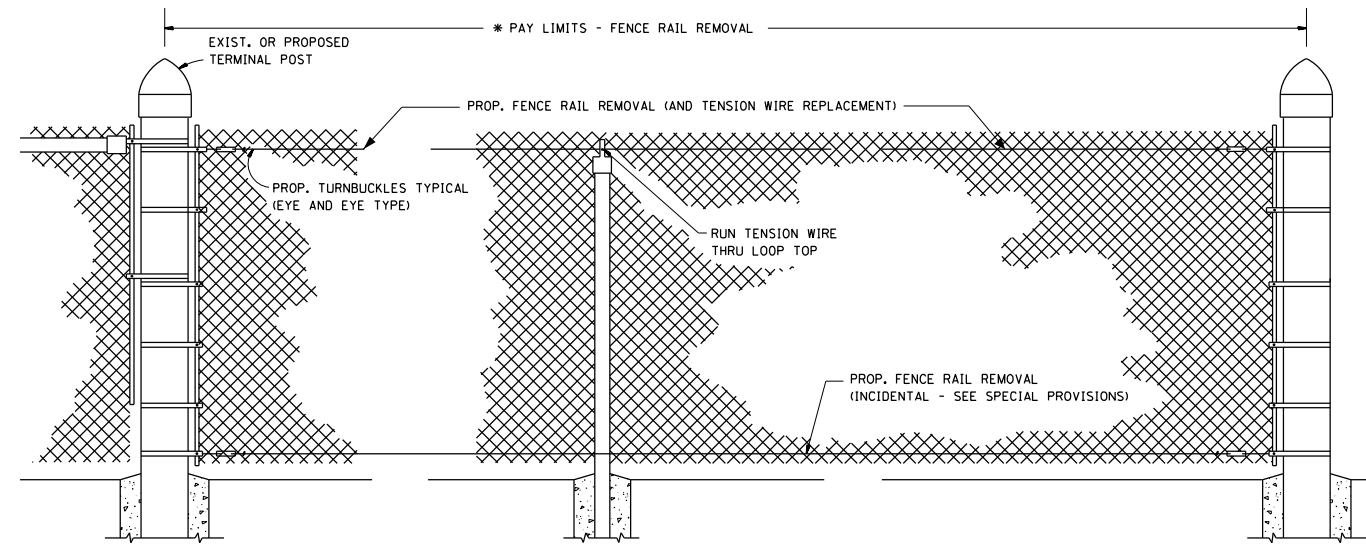
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CHAIN LINK FENCE POST SLEEVE REPAIR DETAIL			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2022 FENCE 22	VARIOUS	21	15
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 62R86	



EXIST. CHAIN LINK FENCE WITH TOP RAIL



PROP. CHAIN LINK FENCE WITH "FENCE RAIL REMOVAL"

* THE ENGINEER IN CHARGE SHALL DETERMINE THE LENGTH OF FENCE RAIL TO BE REMOVED & REPLACED WITH "TENSION WIRE"

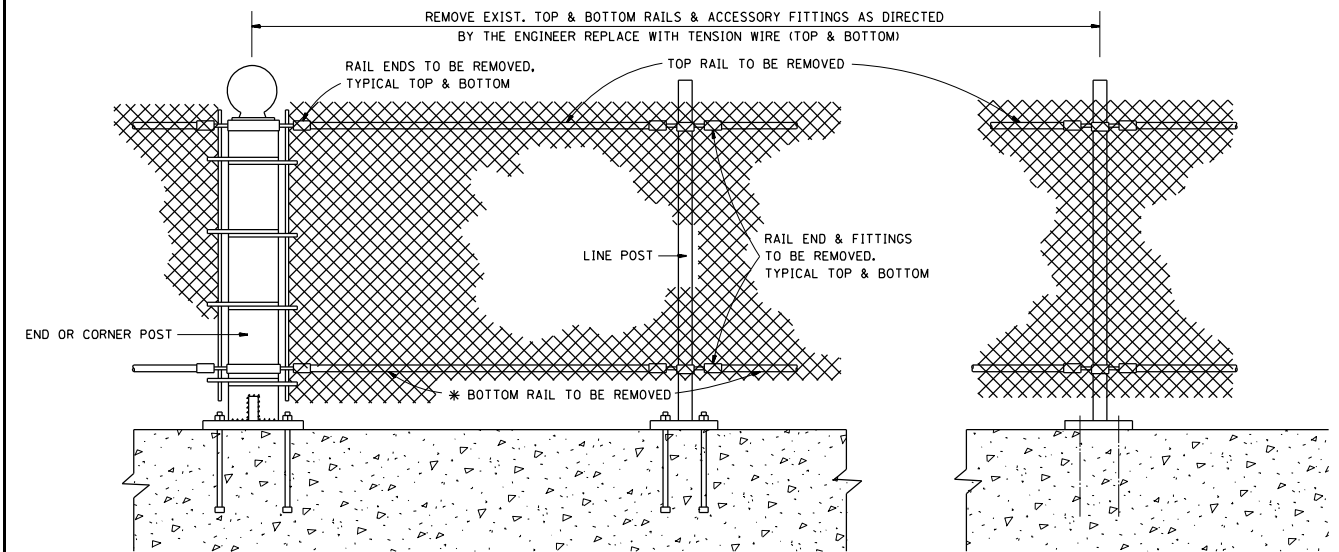
GENERAL NOTES

FENCE RAIL REMOVAL: THIS ITEM CONSISTS OF REMOVING EXISTING TOP OR BOTTOM RAIL, (DAMAGED OR UNDAMAGED) AND REPLACING WITH TENSION WIRE. BOTTOM TENSION WIRE SHALL BE CONSIDERED INCIDENTAL EXCEPT AT LOCATIONS OF EXISTING BOTTOM RAIL REMOVAL.

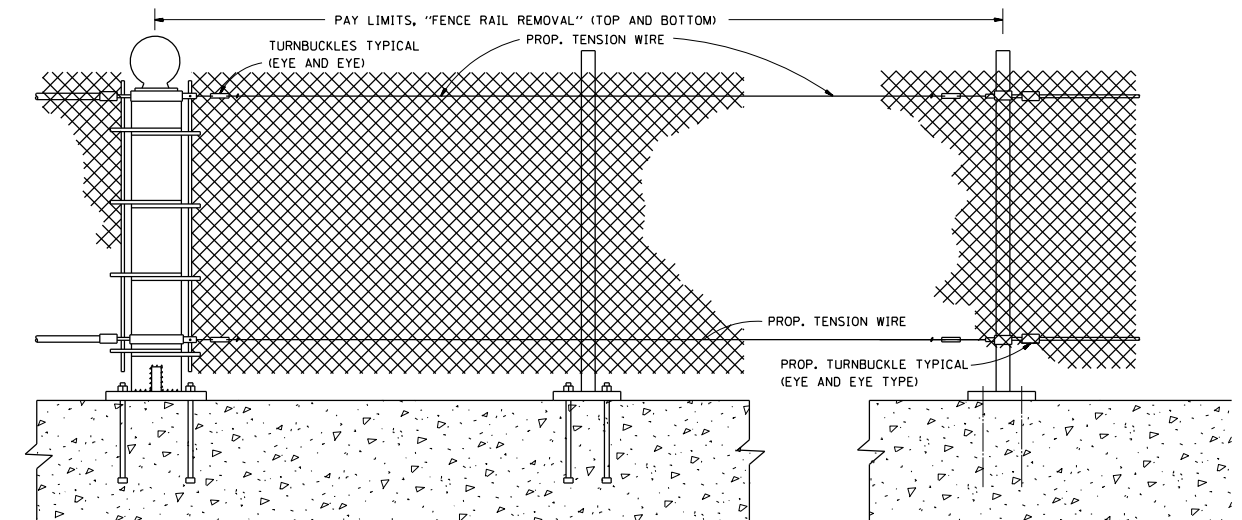
TENSION WIRE: THIS ITEM CONSISTS OF INSTALLING TENSION WIRE, TOP OR BOTTOM, WHERE TOP OR BOTTOM RAIL IS NON-EXISTENT, OR WHERE EXISTING DAMAGED TENSION WIRE IS REMOVED AND REPLACED BY NEW TENSION WIRE.

ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS, STANDARD SPECIFICATIONS AND STANDARD 664001.

REPLACEMENT OF OTHER FENCE COMPONENT PARTS SHALL BE MEASURED AND PAID FOR SEPARATELY AS DESCRIBED IN THE SPECIAL PROVISIONS.



EXIST. PEDESTRIAN BARRIER TYPE 3 WITH TOP AND BOTTOM RAILS



PROP. PEDESTRIAN BARRIER TYPE 3 WITH FENCE RAIL REMOVAL

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

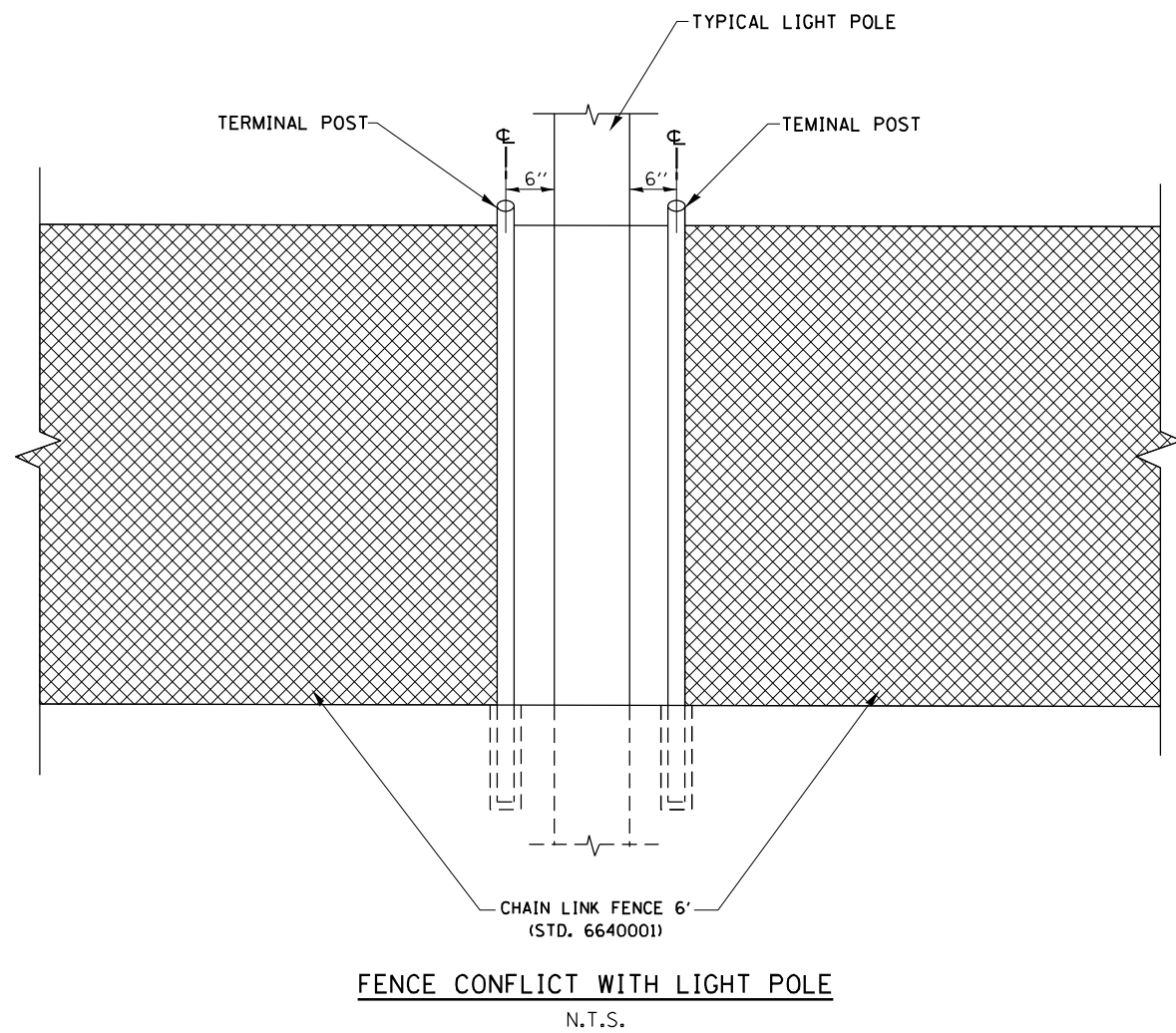
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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PEDESTRIAN BARRIER AND
CHAIN LINK FENCE WITH TENSION WIRE AND FENCE RAIL REMOVAL

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2022 FENCE 22	VARIOUS	21	16
CONTRACT NO. 62R86				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



GALVANIZED POSTS SHALL CONFORM TO THE REQUIREMENTS OF STANDARD 864001 POSTS UTILIZED IN THE REPAIR WORK SHALL BE THE SAME TYPE SHAPE AS POSTS ADJACENT TO THE REPAIR AREA UNLESS OTHERWISE DIRECTED BY THE ENGINEER. NO USED MATERIALS WILL BE PERMITTED.

REMOVAL OF EXISTING FENCE POSTS BY DRILLING OR CORING AND GROUTING A NEW FENCE POST (LINE TERMINAL, END CORNER AND GATE) IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTIONS 664 AND 1025 OF THE STANDARD SPECIFICATIONS.

EXISTING LOCATION POST MUST BE USED. NO NEW POST HOLES WILL BE ALLOWED.

EXIST. CONC. POST FOUNDATION

EXIST. CONC. PAD

POST REMOVAL AND REPLACEMENT SHALL BE FULL DEPTH.

POST REMOVAL AND REPLACEMENT

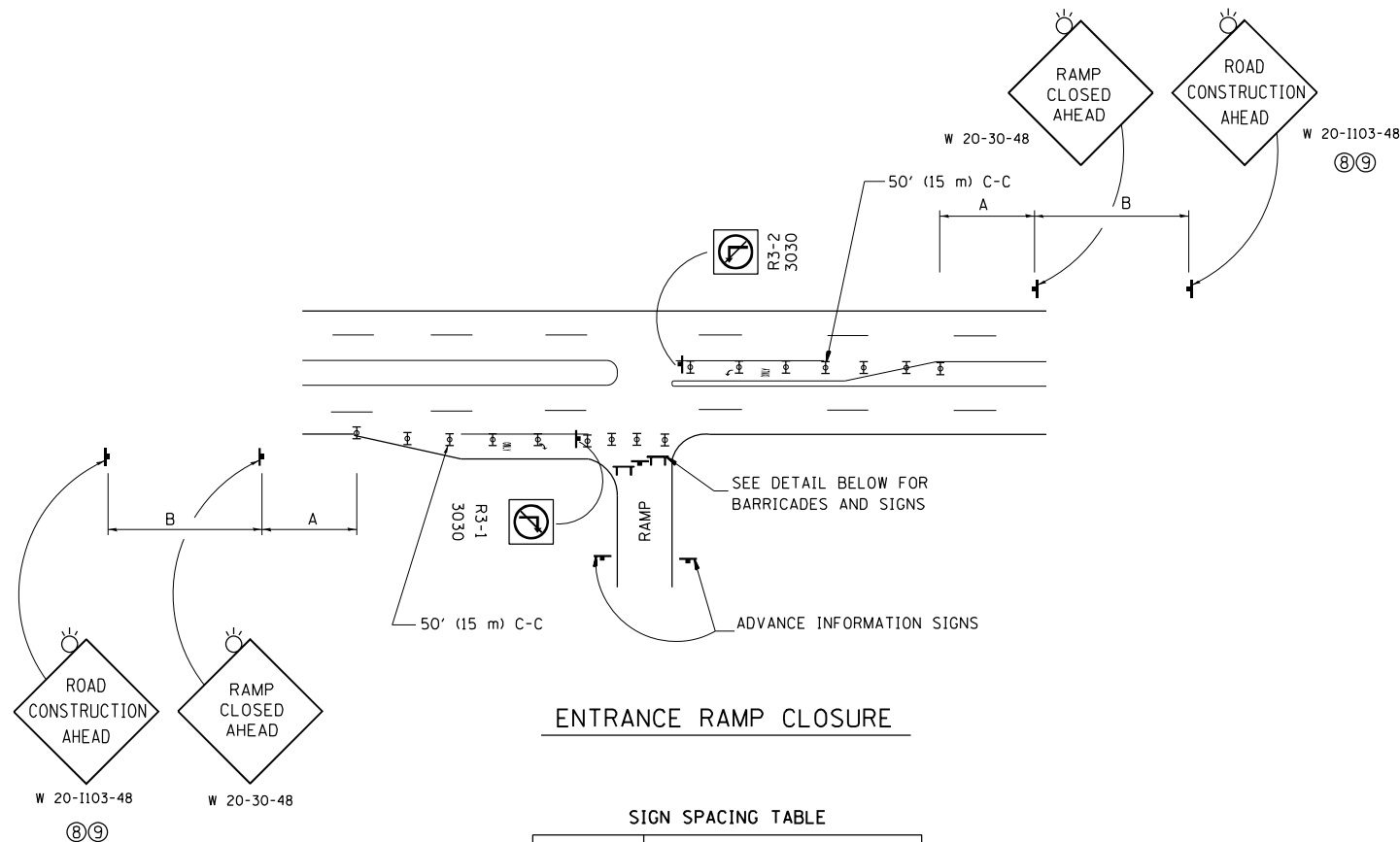
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	PLOT DATE = 5/19/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SPECIAL FENCE DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2022 FENCE 22	VARIOUS	21	17
			CONTRACT NO. 62R86	
ILLINOIS FED. AID PROJECT				

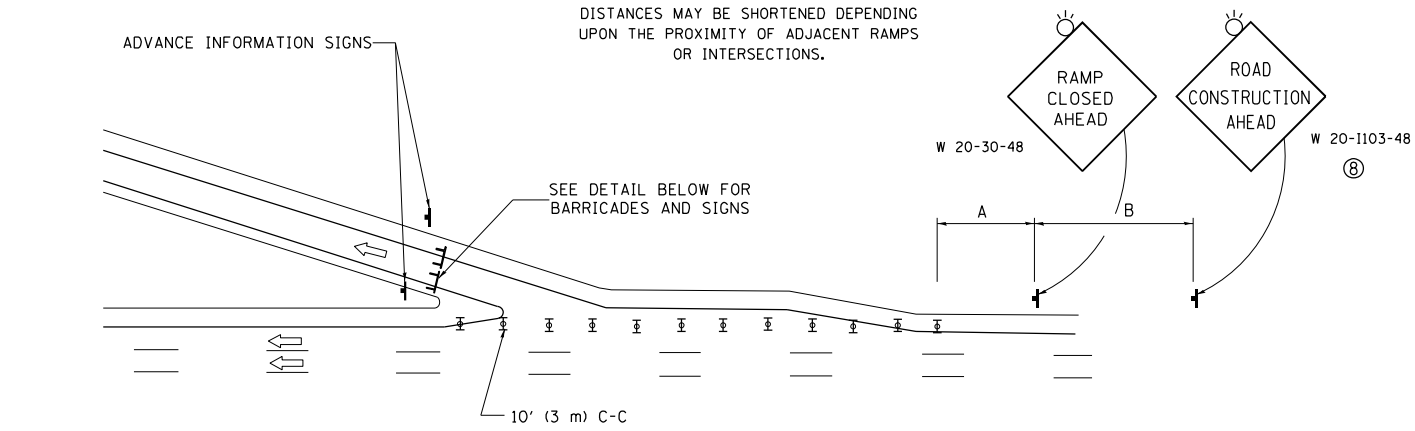


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY <24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

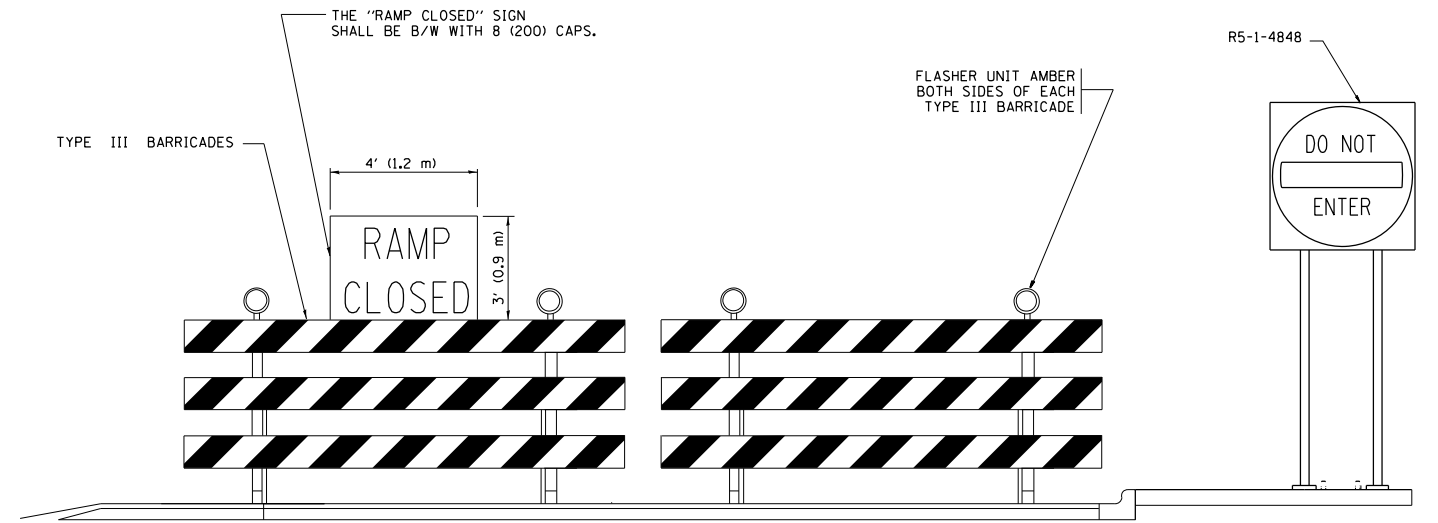
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

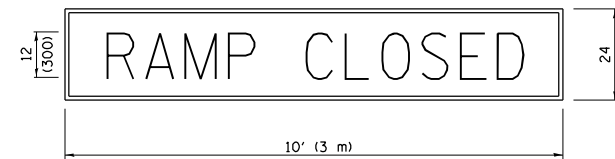
SYMBOLS

- ⊥ TYPE II BARRICADE OR DRUM
- ⊥ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



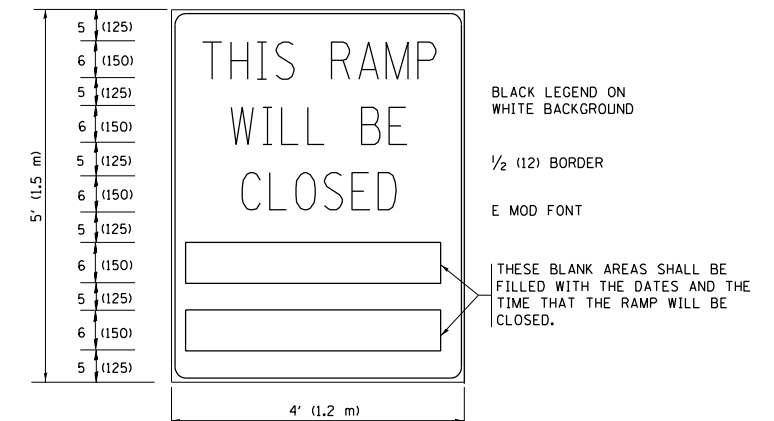
DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE 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 CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE BACKGROUND
1/2 (12) BORDER
E MOD FONT

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

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. PRECEDED 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.
- 5 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.
- 7 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.
- 9 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.

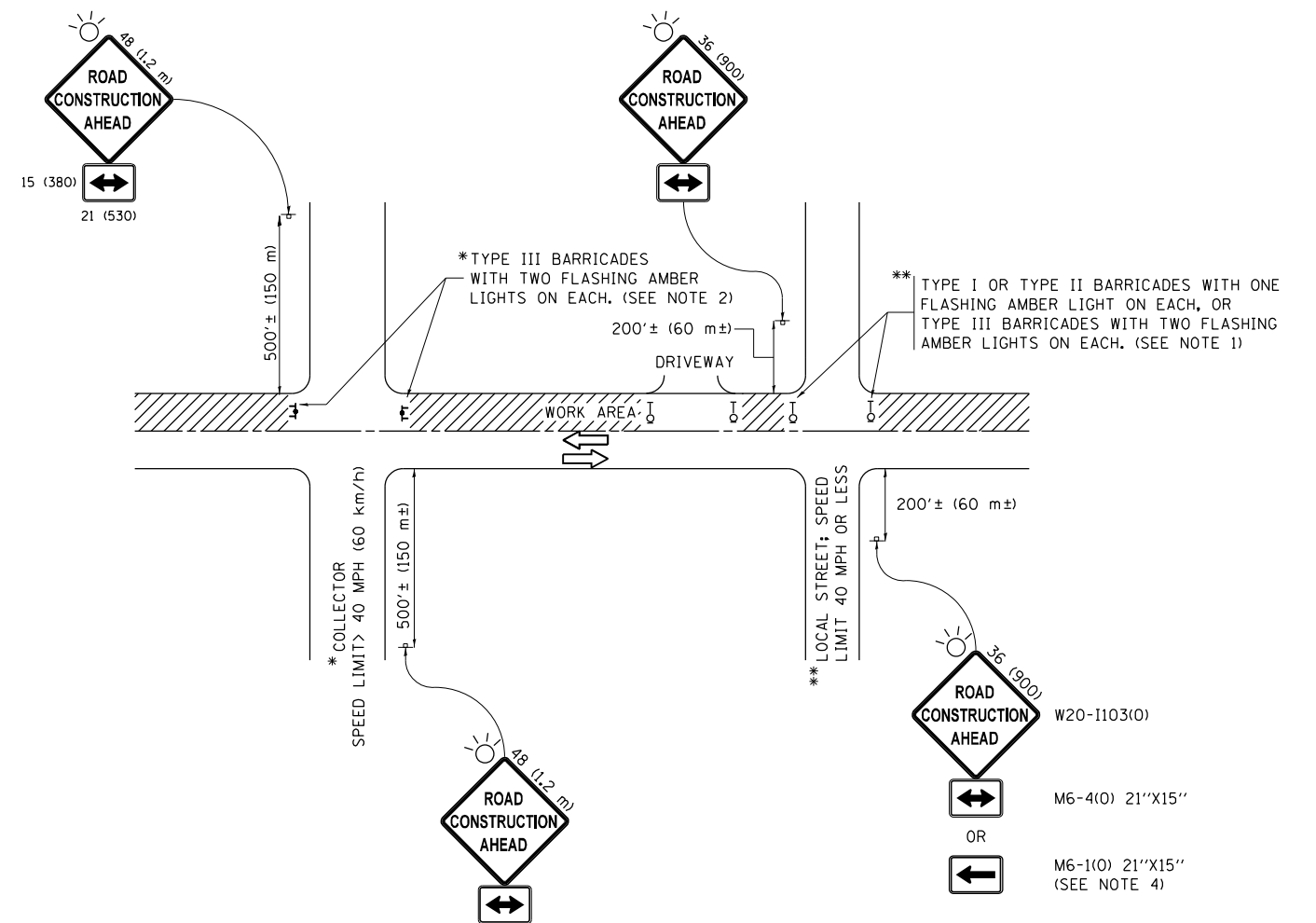
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Default	PLOT SCALE = 100.0000' / 1in.	DATE - 02-83	REVISED - M.D. 06-13
	PLOT DATE = 5/19/2022		REVISED - M.D. 01-18

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 FENCE 22	VARIOUS	21	18
TC-08		CONTRACT NO. 62R86		
ILLINOIS FED. 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.
 - b) 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.
3. 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.
4. 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).
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 ENGINEER.
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.

FILE NAME =	USER NAME = hassenn	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
pw:\idot-pw.bentley.com\PWIDOT\Documents\IDOT Offices\District 1\Projects\0144816\CA000\DRAWING\0144816-sht-plan.dgn			REVISED - T. RAMMACHER 01-06-00
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	PLOT DATE = 5/19/2022	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 FENCE 22	VARIOUS	21	19
TC-10			CONTRACT NO. 62R86	
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

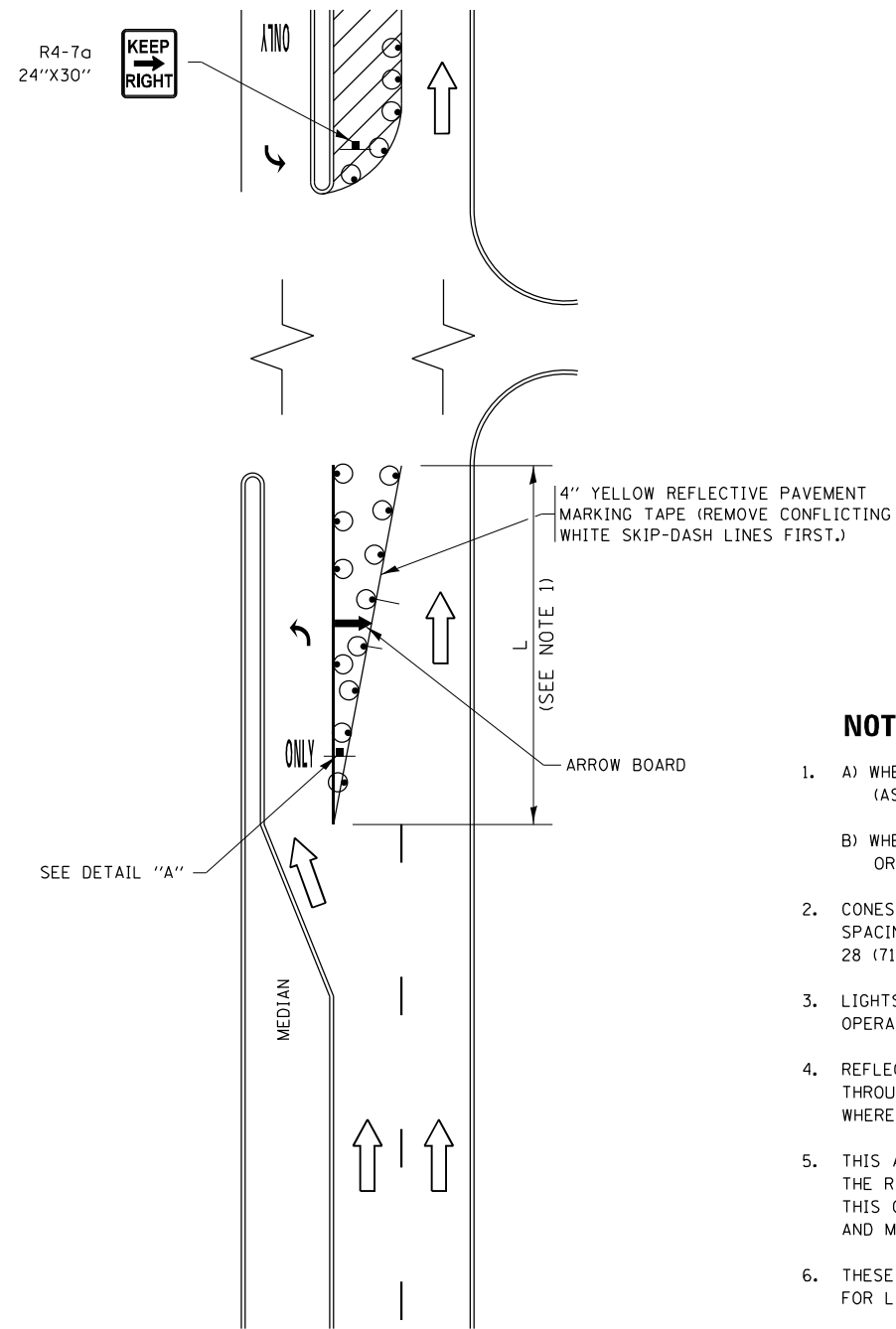


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

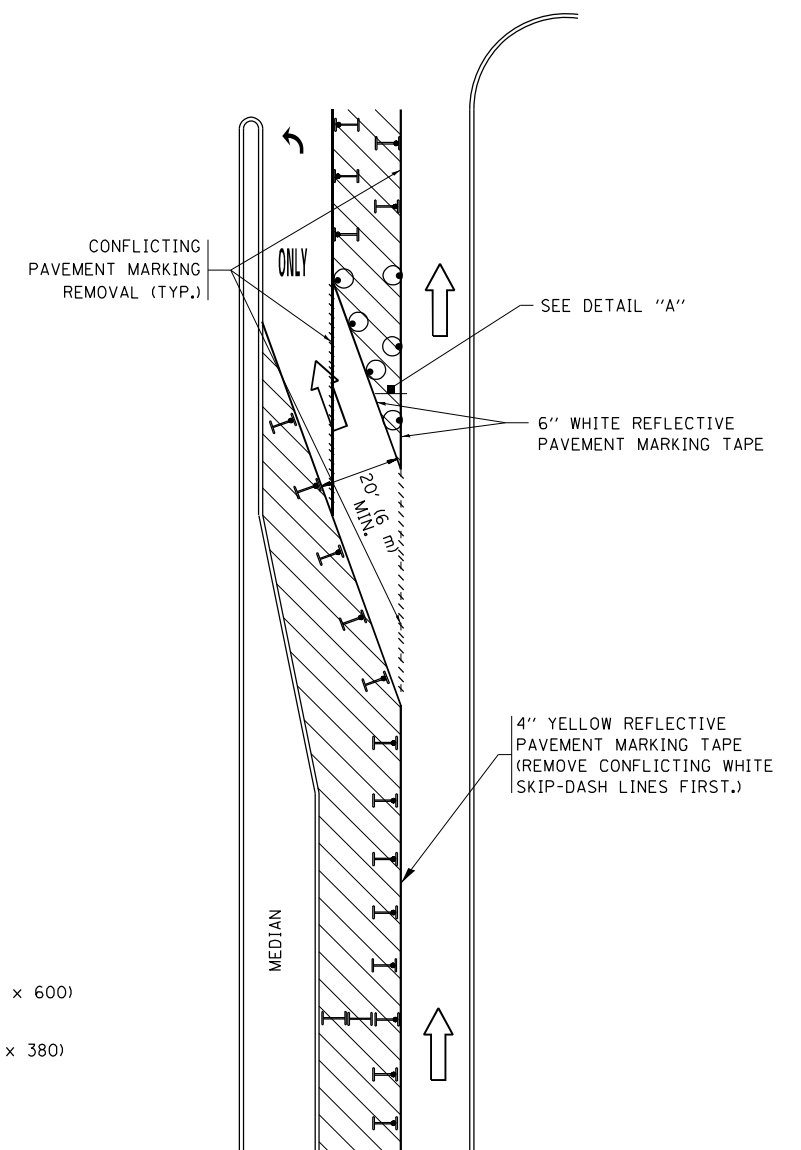
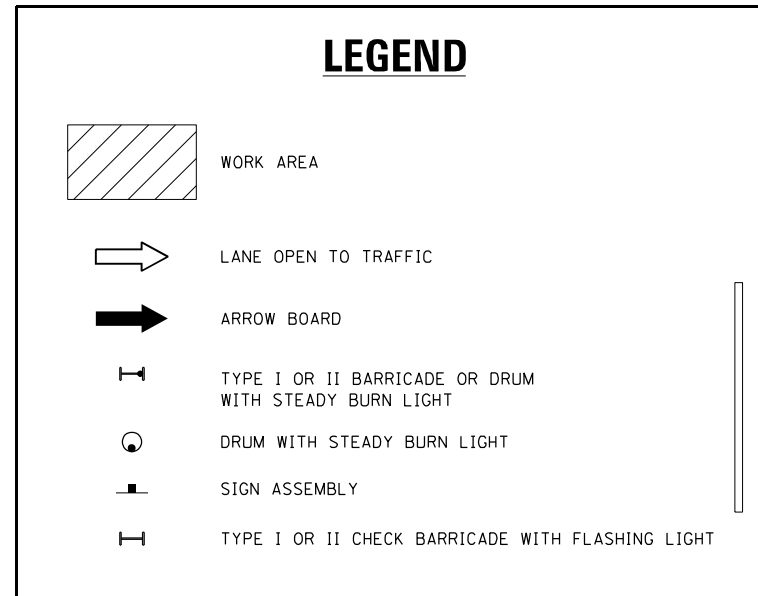
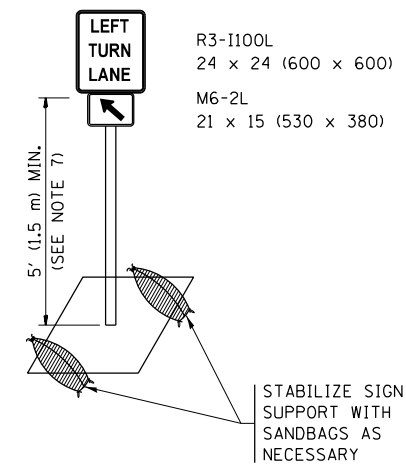


FIGURE 2



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-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 PREQUIREMENTS.
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.



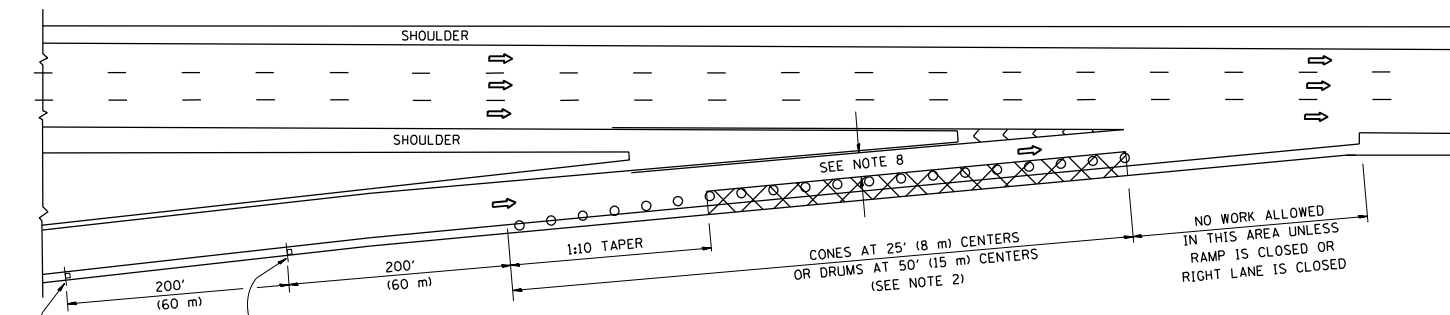
DETAIL A

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

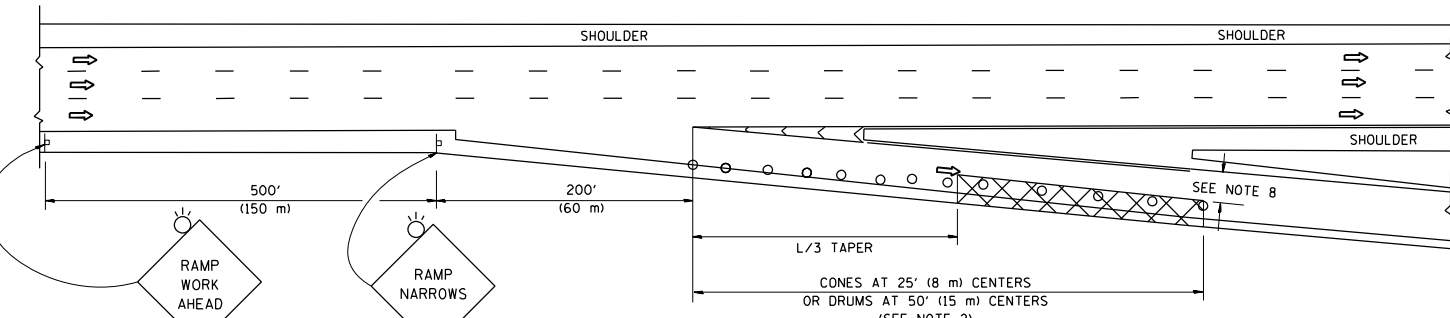
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pw:\idot-pw.bentley.com\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI44816\CD\REVISED\gn\B144816\HOUSEH-07-95	REVISED - A. SCHUETZE 07-01-13	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			VAR.	2022 FENCE 22	VARIOUS	21	20
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	PLOT DATE = 5/19/2022					SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.

ILLINOIS FED. AID PROJECT

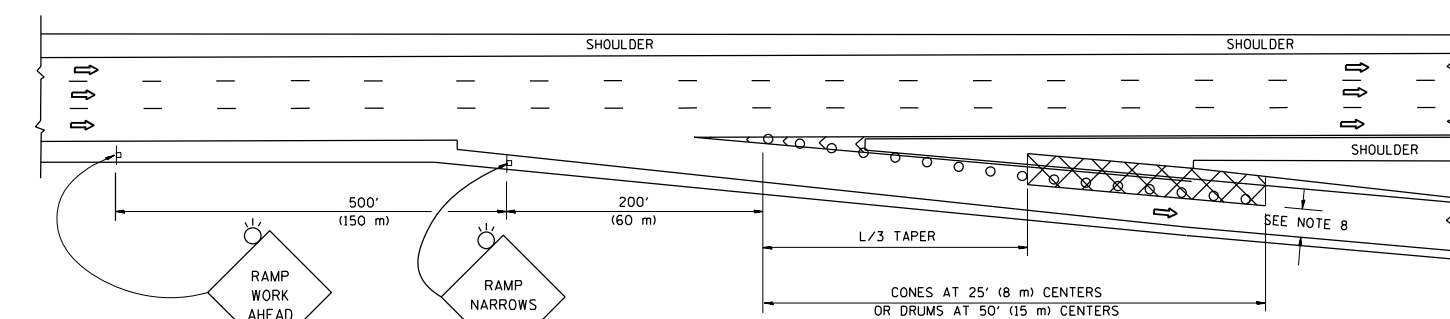
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

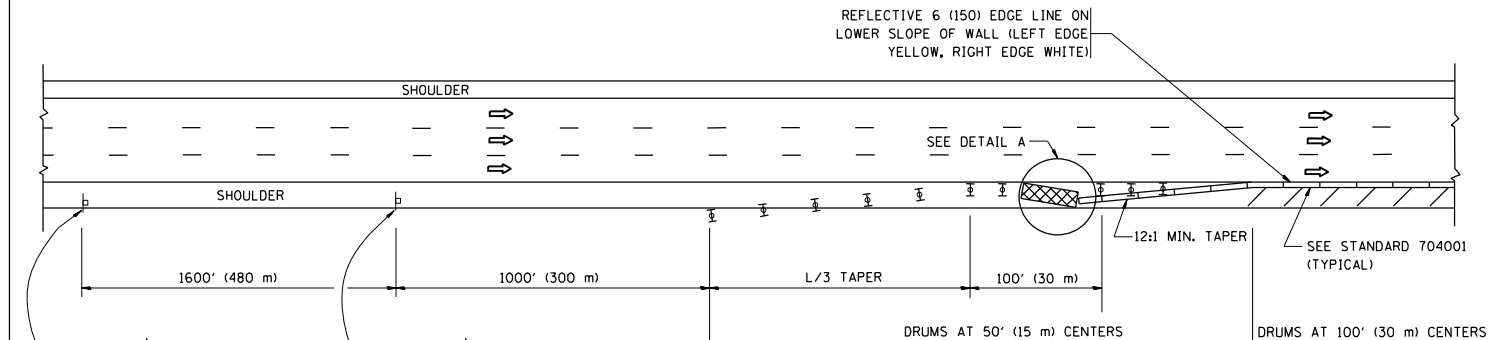
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

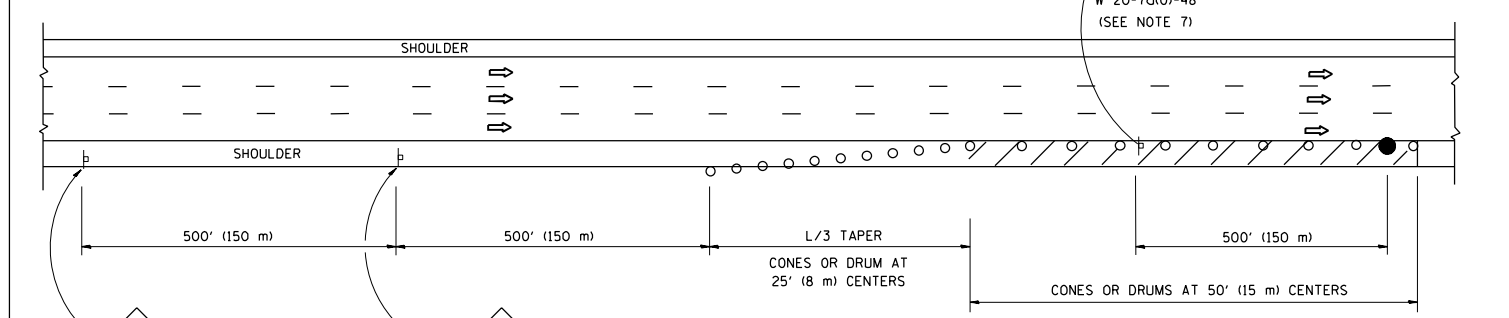
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	L=0.65(W)(S) L=(W)(S)
W = WIDTH OF OFFSET IN FEET (METERS)	
S = NORMAL POSTED SPEED MPH (KM/H)	
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS



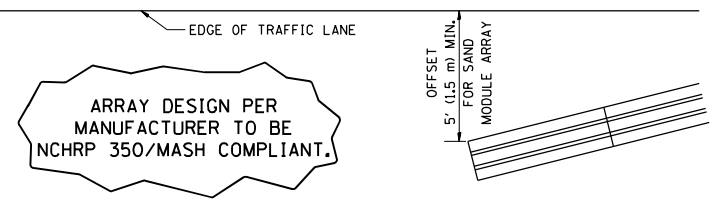
PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:

1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRANCH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



DETAIL "A" IMPACT ATTENUATOR, TEMPORARY (SEE NOTE 5)

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCRANCHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

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

FILE NAME =	USER NAME = hassann	DESIGNED -	REVISED - S.P.B. 01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
			REVISED - S.P.B. 12-09			VAR.	2022 FENCE 22	VARIOUS	21	21	
			REVISED - M.D. 06-13			TC-17		CONTRACT NO. 62R86			
			REVISED - M.D. 01-18			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		