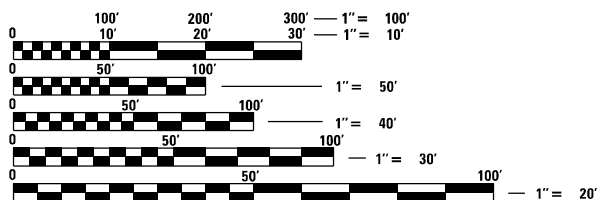


**INDEX OF SHEETS**

- 1 . COVER SHEET
- 2 . GENERAL NOTES
- 3 - 5 . SUMMARY OF QUANTITIES
- 6 . WORK ORDER
- 7 . PAVEMENT MARKING SUMMARY
- 8 - 15 . TYPICAL PAVEMENT MARKING

**STANDARDS**

- 701001-02 OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' AWAY
- 701006-05 OFF-ROAD OPERATIONS 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
- 701101-05 OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
- 701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
- 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS  $\geq$  45 MPH
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701400-11 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701401-13 LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701406-13 LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
- 701411-09 LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS  $\geq$  45 MPH
- 701426-09 LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS  $\geq$  45 MPH
- 701427-05 LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS  $\leq$  40 MPH
- 701428-01 TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
- 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
- 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701901-08 TRAFFIC CONTROL DEVICES



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

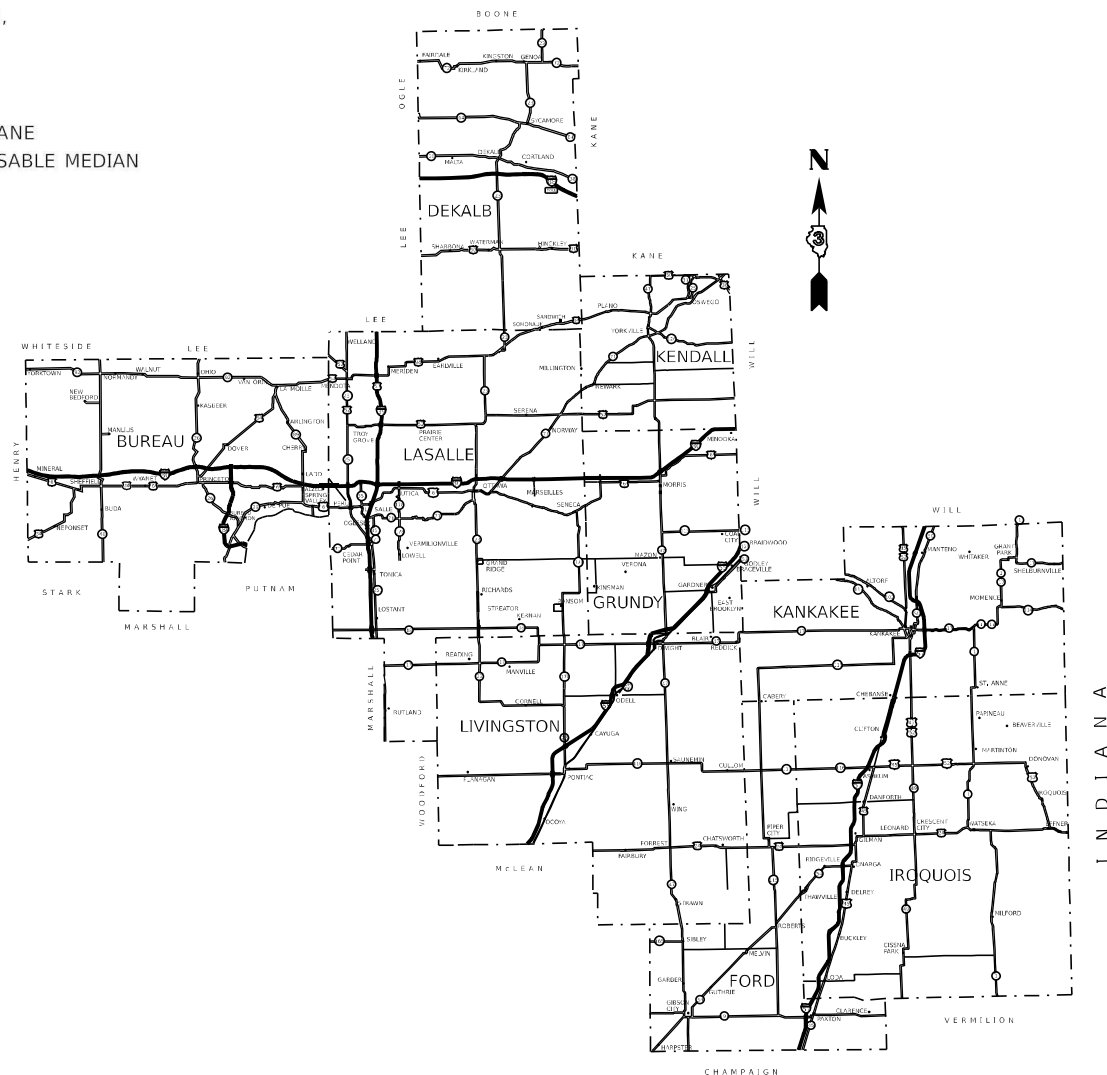
**PROJECT ENGINEER: YOGESH PATEL P.E.**  
**UNIT CHIEF: RON WOODSHANK**  
**DISTRICT PHONE (815) 434-6131**  
**CONTRACT NO. 46607**

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

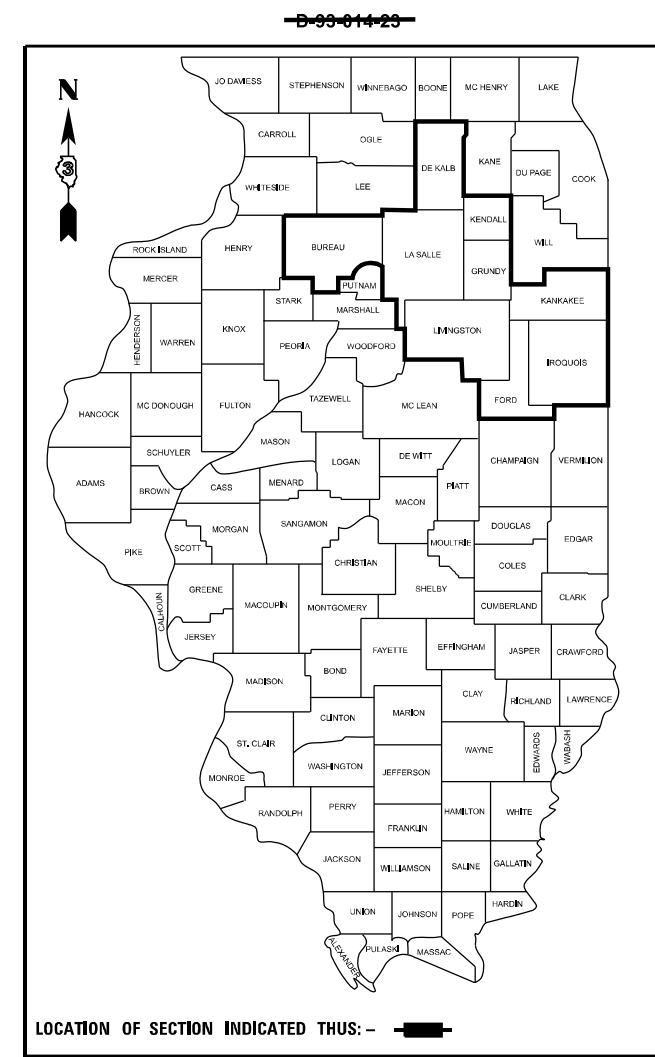
**PROPOSED**  
**HIGHWAY PLANS**

**VARIOUS ROUTES**  
**SECTION D 3 HT PVMNT MRK RPR 23-17**  
**HIGH TYPE PAVEMENT MARKING**  
**VARIOUS COUNTIES**

**M-60-017-23**



RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D 3 HT PVMNT MRK RPR 23-17	VARIOUS	15	1
		ILLINOIS	CONTRACT NO. 46607	



LOCATION OF SECTION INDICATED THUS: —

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 21, 2022

*David Alford*  
REGIONAL ENGINEER

March 24, 2023  
*Scott A. Etkin*  
ENGINEER OF DESIGN AND ENVIRONMENT

March 24, 2023  
*Stephen M. Smith*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY**  
**OF THE STATE OF ILLINOIS**

**GENERAL NOTES**

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

FOR STABILIZATION, ALL TYPE III BARRICADES WILL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

**COMMITMENTS**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE  
AS BUILT INFORMATION

\_\_\_\_\_  
SUPERVISING CONSTRUCTION FIELD ENGINEER

\_\_\_\_\_  
RESIDENT ENGINEER / TECHNICIAN

START & END DATES  
OF CONSTRUCTION:

INSPECTORS:

DATE: \_\_\_\_\_

PREPARED BY: \_\_\_\_\_  
DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY: \_\_\_\_\_  
DISTRICT CONSTRUCTION ENGINEER

\_\_\_\_\_  
DISTRICT MATERIALS ENGINEER

\_\_\_\_\_  
DISTRICT OPERATIONS ENGINEER

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES**

SCALE: 50 SHEET 1 OF 1 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D 3 HT PVMNT MRK 23-17	VARIOUS	15	2
CONTRACT NO. 46607				
ILLINOIS FED. AID PROJECT				

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USER NAME = ronald.woodshank	DESIGNED - RW	REVISED - _____
	DRAWN - RW	REVISED - _____
PLOT SCALE = 100,000' / in.	CHECKED - YP	REVISED - _____
PLOT DATE = 11/5/2022	DATE - 10/22/2022	REVISED - _____

MODEL: D:\info\...  
 FILE NAME: ...

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	
				PAVEMENT MARKING	
				0021	NONE
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	2000	2000	
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5000	5000	
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1000	1000	
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	3000	3000	
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1000	1000	
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1000	1000	
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	75000	75000	
78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	50000	50000	
78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	25000	25000	
78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	1000	1000	
78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	4000	4000	
78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	425000	425000	
78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	75000	75000	
78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	25000	25000	

USER NAME = ronald.woodshank	DESIGNED - RW	REVISED - _____
	DRAWN - RW	REVISED - _____
PLOT SCALE = 100,000' / in.	CHECKED - YP	REVISED - _____
PLOT DATE = 11/5/2022	DATE - 10/22/2022	REVISED - _____

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: 50      SHEET 1 OF 3 SHEETS      STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D 3 HT PVMNT MRK 23-17	VARIOUS	15	3
CONTRACT NO. 46607				
ILLINOIS FED. AID PROJECT				





**WORK ORDER**  
D3 HT PVMNT MRK RPR 23-17

WORK ORDER NUMBER \_\_\_\_\_ DATE OF ISSUE \_\_\_\_\_ ROUTE \_\_\_\_\_

LOCATION DESCRIPTION \_\_\_\_\_

CONTRACT NO. 46607 JOB NO. M-60-017-23

CODE NUMBER	ITEM	UNIT	QUANTITY	UNIT PRICE	ITEM COST
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	2,000.00		
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5,000.00		
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,000.00		
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	3,000.00		
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,000.00		
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1,000.00		
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	75,000.00		
78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	50,000.00		
78005110	EPOXY PAVEMENT MARKING - LINE 4	FOOT	25,000.00		
78005130	EPOXY PAVEMENT MARKING - LINE 6	FOOT	1,000.00		
78005140	EPOXY PAVEMENT MARKING - LINE 8	FOOT	4,000.00		
78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	425,000.00		
78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	75,000.00		
78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	25,000.00		
78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	8,000.00		
78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	950,000.00		
78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	80,000.00		
78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	60,000.00		
78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	8,000.00		
78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	3,000.00		
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	40,000.00		
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1,000.00		
78004630	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 6"	FOOT	20,000.00		
78004720	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 24"	FOOT	1,000.00		
78004640	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 8"	FOOT	20,000.00		
X7800815	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	150,000.00		
X7800835	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 6 INCH	FOOT	30,000.00		
X7800845	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 8 INCH	FOOT	5,000.00		
78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS, & SYMBOLS	SQ FT	4,000.00		
78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	30,000.00		
78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	25,000.00		
78011045	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	5,000.00		
78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	500.00		
78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	1,000.00		
Z0008758	AERIAL SPEED CHECK MARKING	FOOT	200.00		

DISTRICT CONTACT

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_  
DISTRICT 3 OPERATIONS TRAFFIC ENGINEER SUBMITTED BY: \_\_\_\_\_

REGIONAL ENGINEER

TELEPHONE NO. (815) 434-8446 DATE: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_  
TRAFFIC ENGINEER OF OPERATIONS

CELL PHONE NO. \_\_\_\_\_

MODEL: D:\shank FILE NAME: P:\work\pva\energy.com\PMIDOT\Documents\DOT Office\District 3\ORD Project\46607\CA000\hwa\46607 COVER.dgn

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	DRAWN - RW	REVISED - _____
PLOT SCALE = 100.000' / in.	CHECKED - YP	REVISED - _____
PLOT DATE = 11/5/2022	DATE = 10/22/2022	REVISED - _____

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**WORK ORDER**

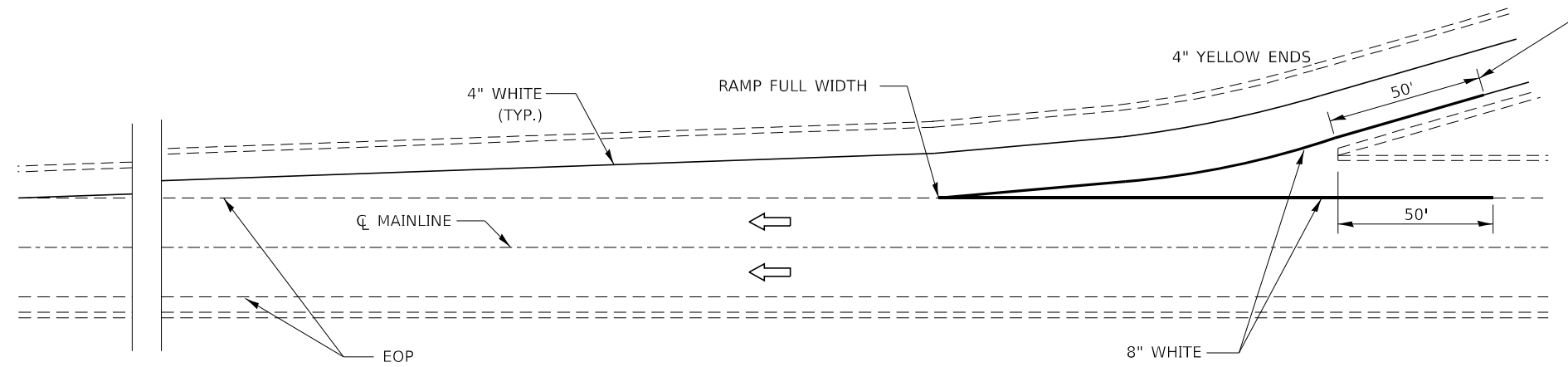
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D 3 HT PVMNT MRK 23-17	VARIOUS	15	6
			CONTRACT NO. 46607	
		ILLINOIS	FED. AID PROJECT	

SCALE: 50 SHEET 1 OF 1 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

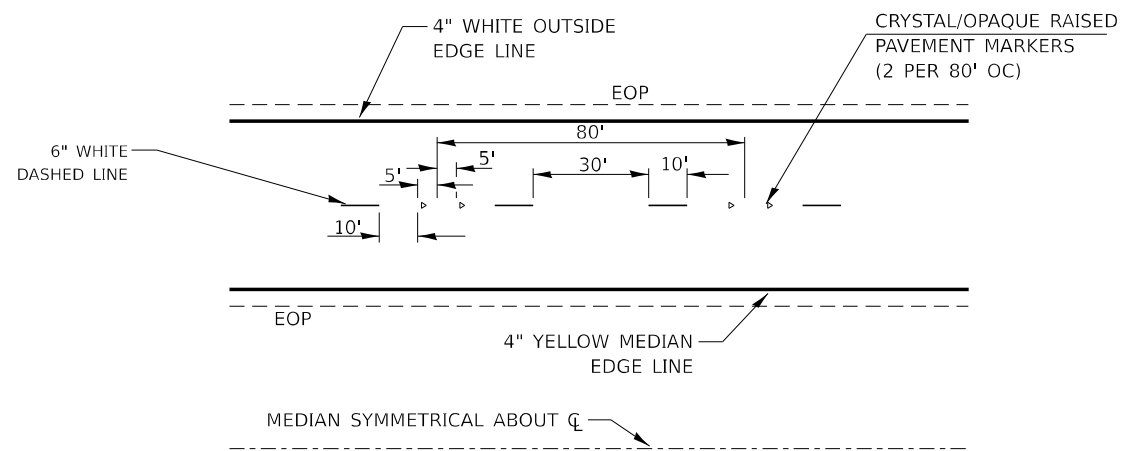




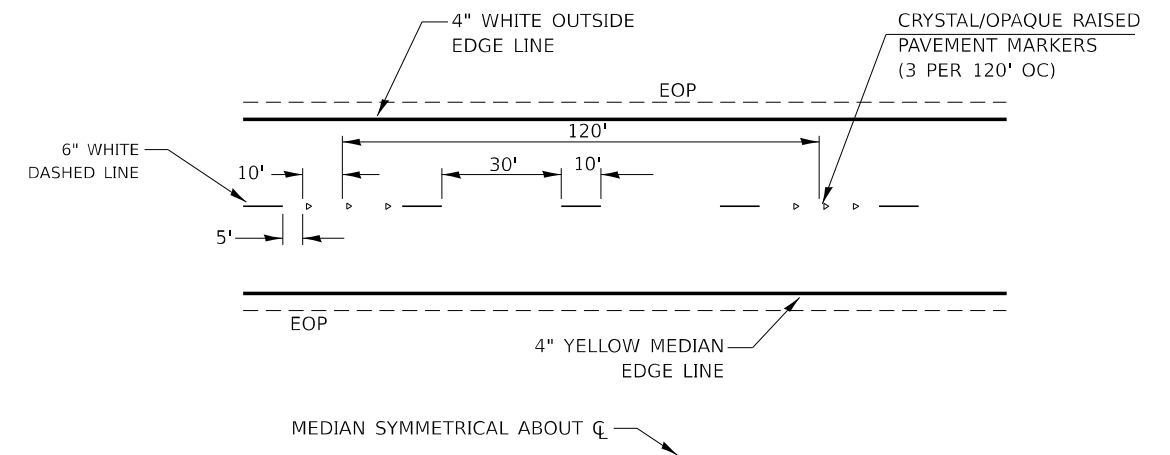




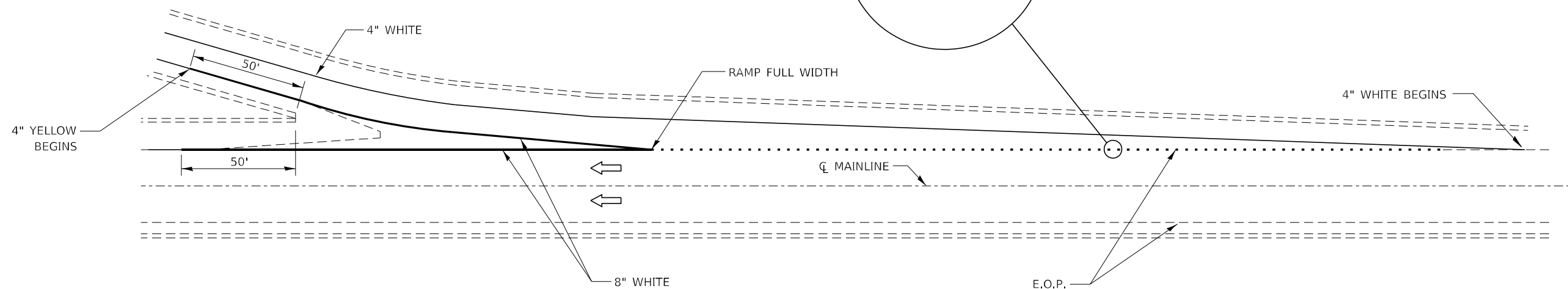
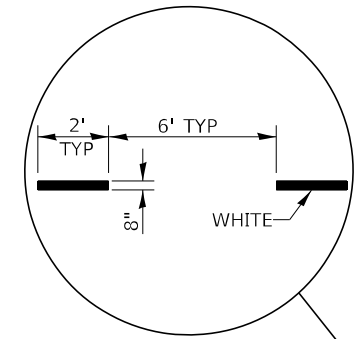
**TYPICAL PAVEMENT MARKING FOR ENTRANCE RAMP TERMINALS**



**TYPICAL PAVEMENT MARKINGS**



**TYPICAL PAVEMENT MARKINGS FOR I-39 ONLY**



**TYPICAL PAVEMENT MARKINGS FOR EXIT RAMP TERMINALS**

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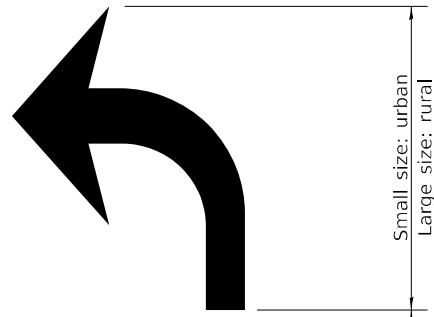
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PLOT SCALE = 100,000' / in.	DATE - 10/22/2022	REVISED -
PLOT DATE = 11/5/2022		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL PAVEMENT MARKING**

SCALE: 50 SHEET 2 OF 8 SHEETS STA. TO STA.

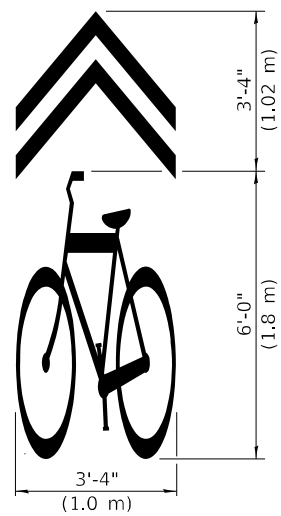
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D 3 HT PVMNT MRK 23-17	VARIOUS	15	9
CONTRACT NO. 46607				
ILLINOIS FED. AID PROJECT				



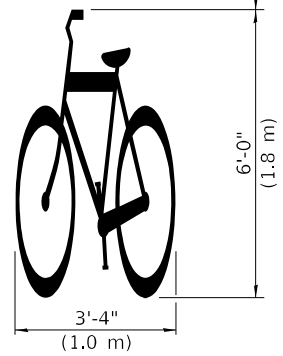
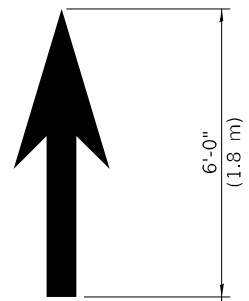
20' (6 m): urban  
50' (15 m): rural  
(Between arrow and word or between words)

**ONLY**

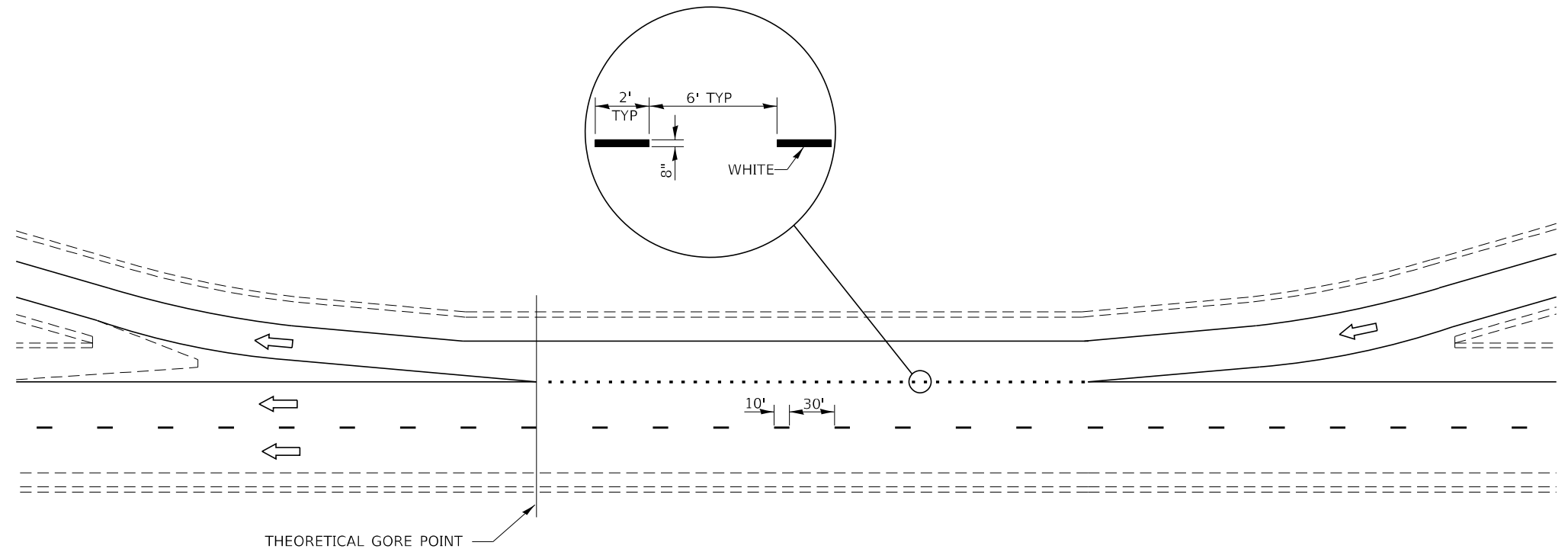
**WORD AND ARROW LAYOUT**



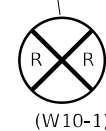
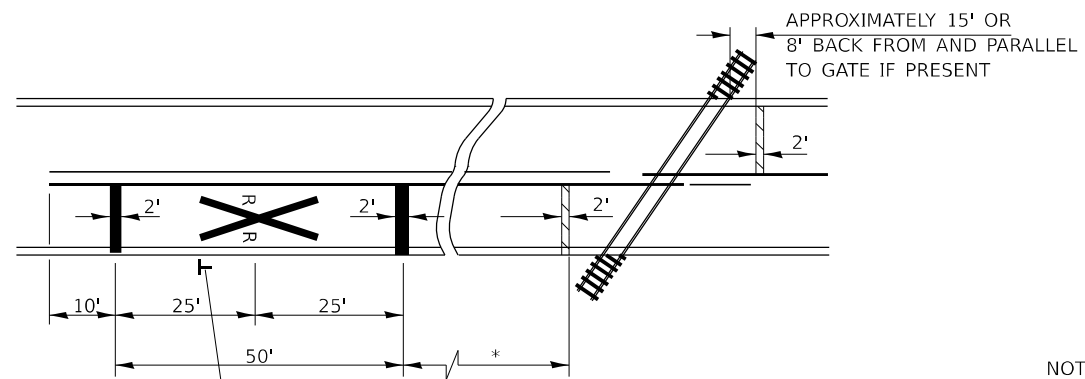
**SHARED LANE SYMBOL**



**BIKE SYMBOL**  
(Arrow is optional.)

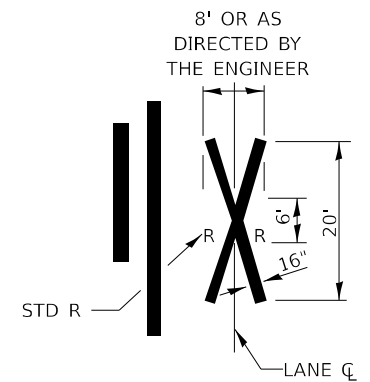


**TYPICAL CLOVERLEAF LOOP RAMP MARKINGS**



\* MINIMUM DISTANCE  
500' FOR 55 MPH  
375' FOR 45 MPH  
250' FOR 35 MPH OR LESS

**PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING**



NOTES:  
THE TRANSVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1).

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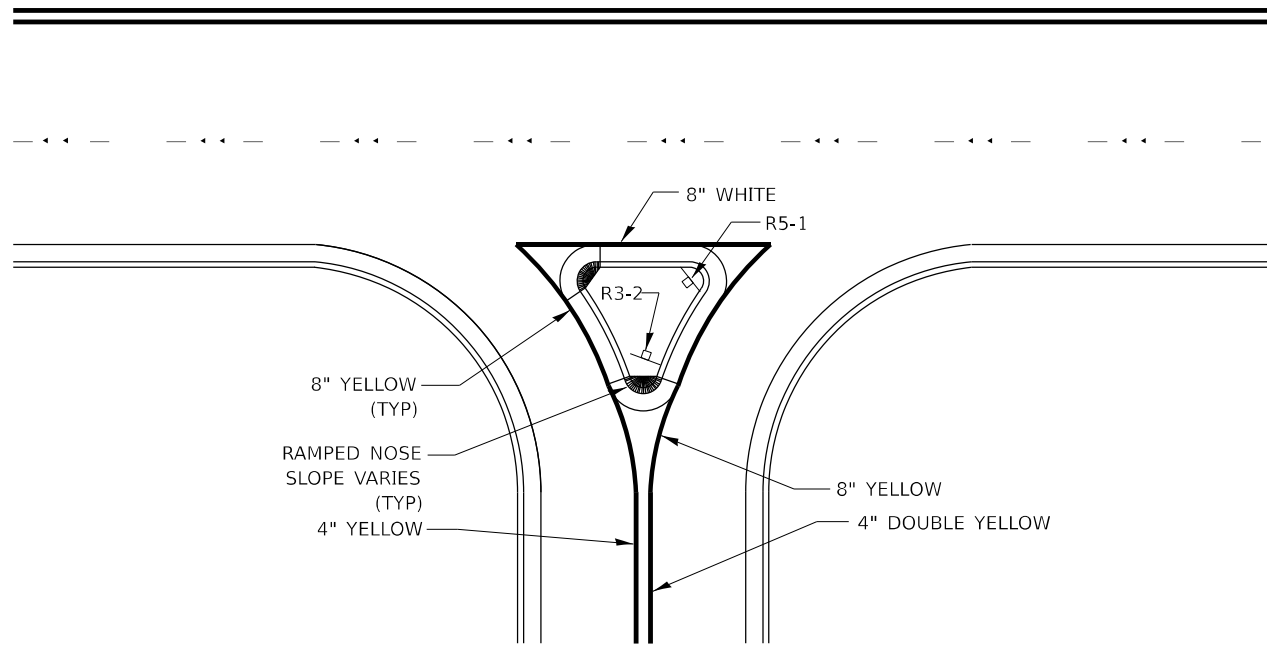
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DRAWN - RW	REVISED -	
PLOT SCALE = 100,000' / in.	CHECKED - YP	REVISED -
PLOT DATE = 11/5/2022	DATE - 10/22/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

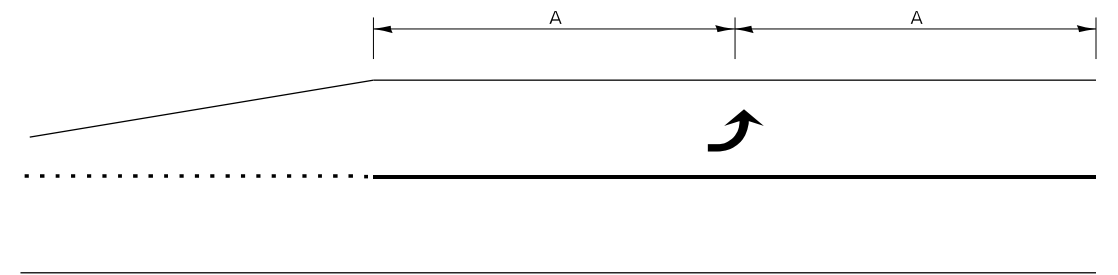
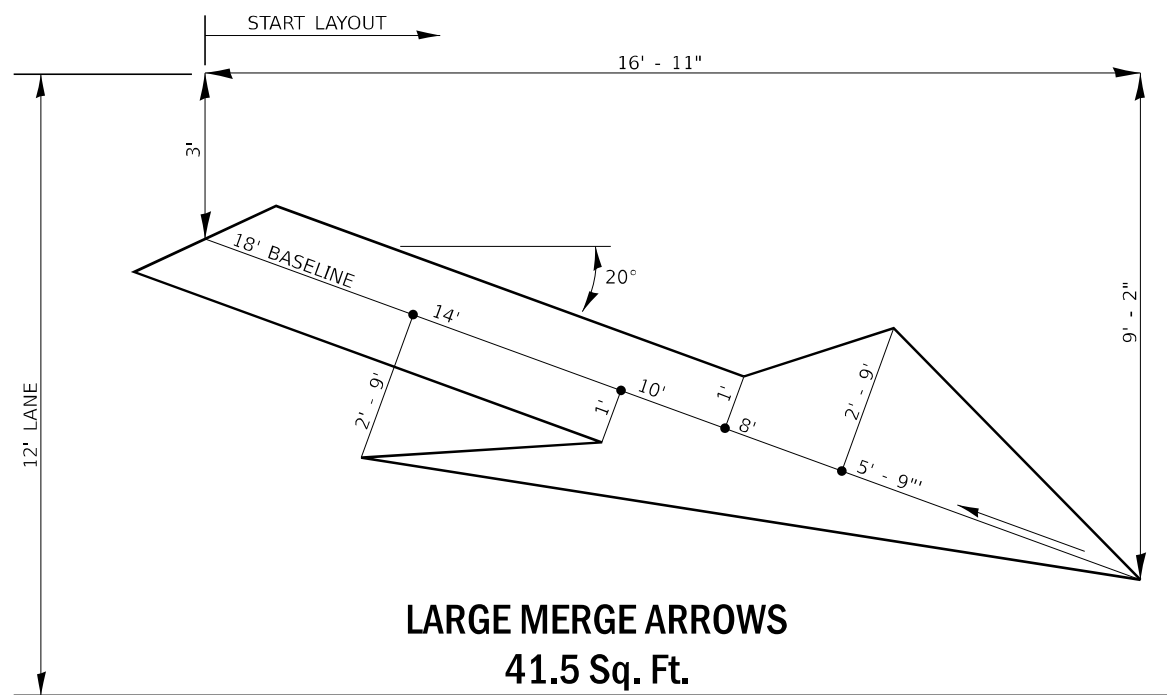
**TYPICAL PAVEMENT MARKING**

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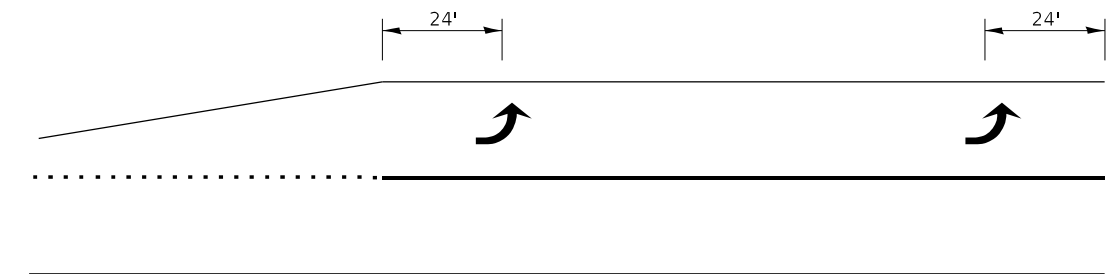
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D 3 HT PVMNT MRK 23-17	VARIOUS	15	10
CONTRACT NO. 46607				
ILLINOIS FED. AID PROJECT				



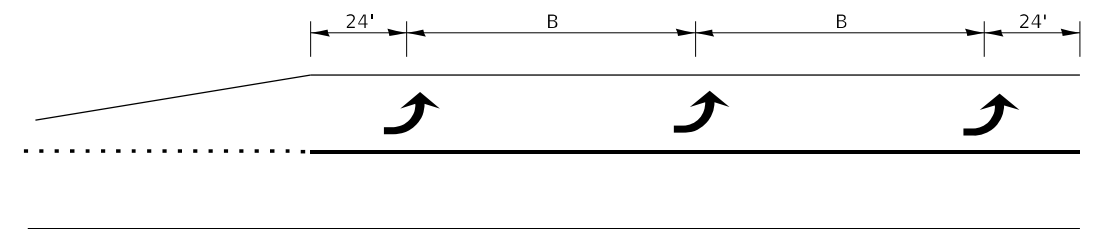
**RIGHT IN RIGHT OUT ACCESS PAVEMENT MARKING**



**99' AND UNDER**



**100' TO 149'**



**150' AND LONGER**

**TYPICAL PLACEMENT OF ARROWS  
IN TURN LANES**

MODEL: D:\info\... FILE NAME: ...

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DRAWN - RW	CHECKED - YP	REVISED -
PLOT SCALE = 100,000' / in.	DATE - 10/22/2022	REVISED -
PLOT DATE = 11/5/2022		

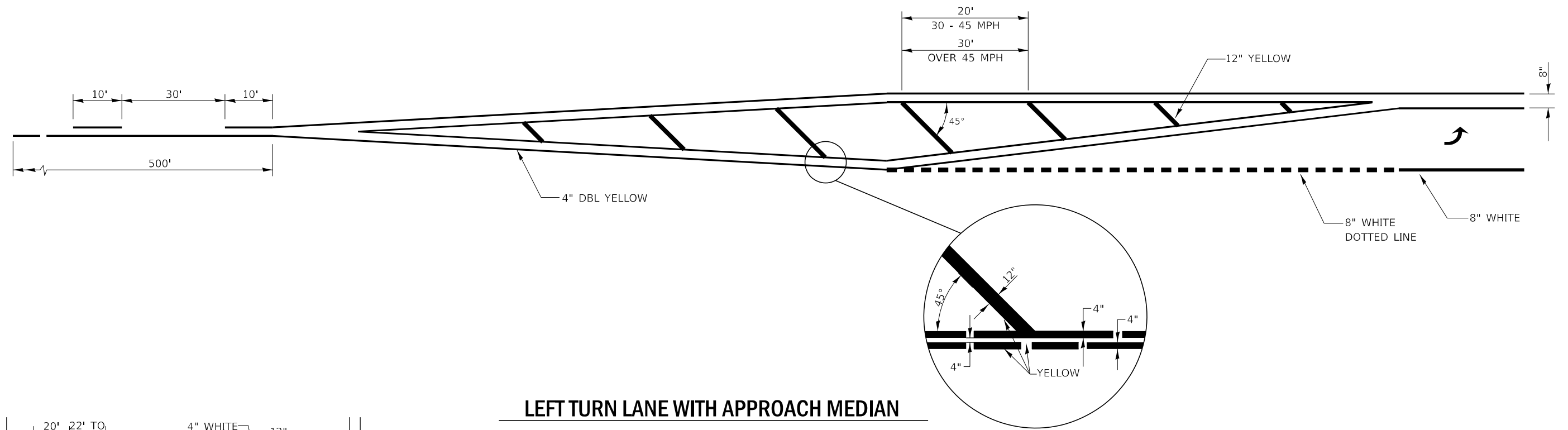
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL PAVEMENT MARKING**

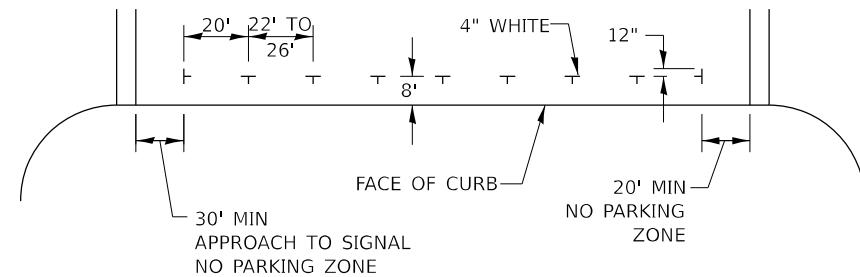
SCALE: 50 SHEET 4 OF 8 SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D 3 HT PVMNT MRK 23-17	VARIOUS	15	11
CONTRACT NO. 46607				
ILLINOIS FED. AID PROJECT				

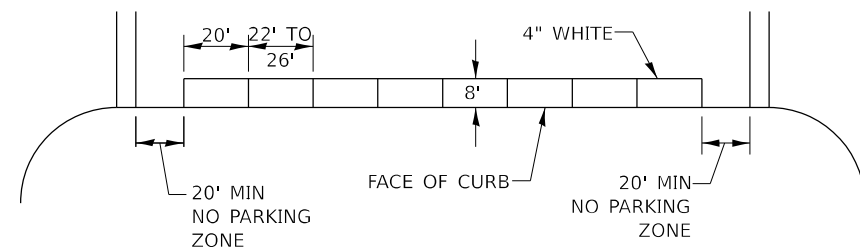




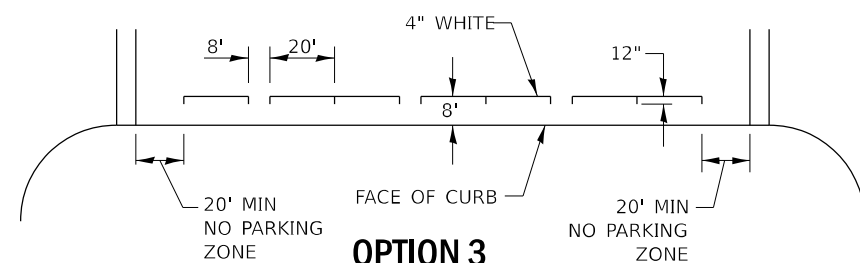
**LEFT TURN LANE WITH APPROACH MEDIAN**



**PREFERRED METHOD**

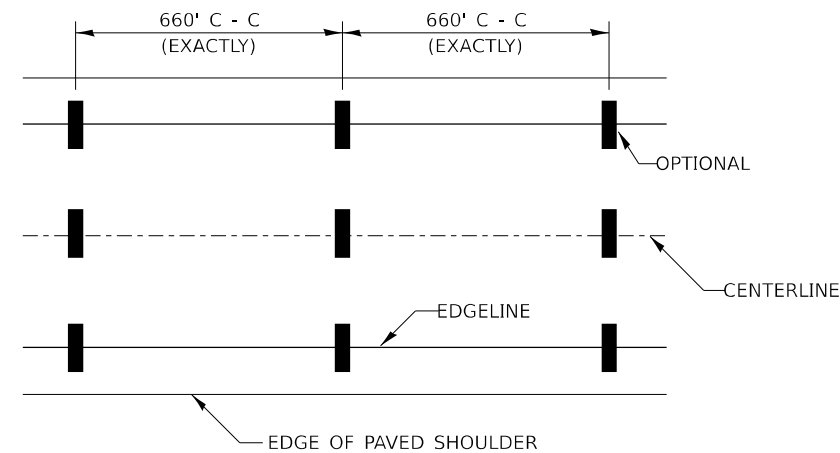


**OPTION 2**

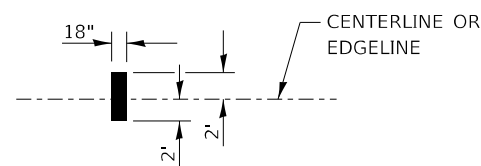


**OPTION 3**

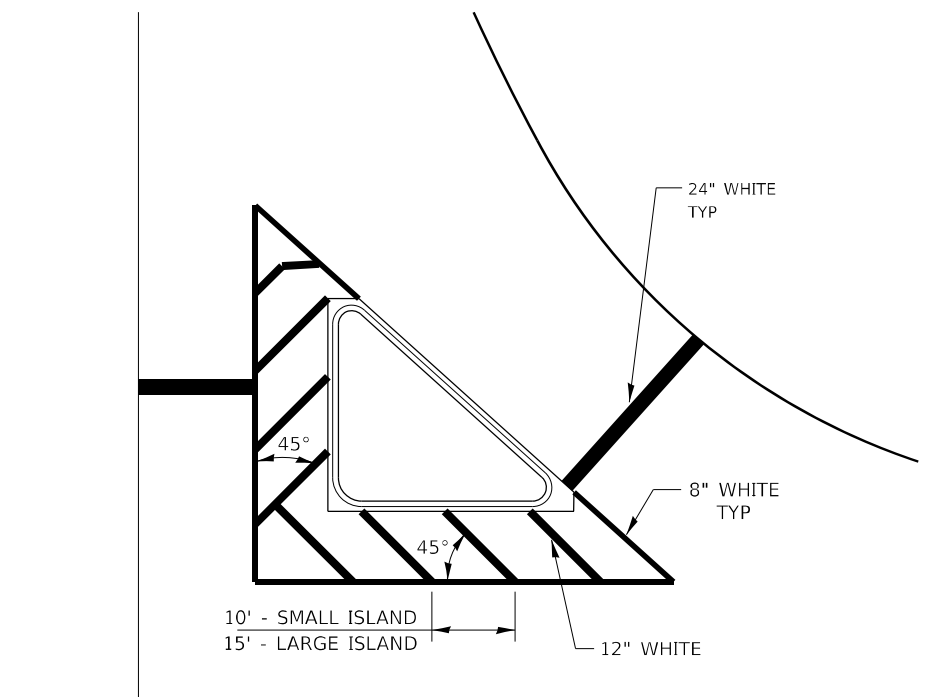
**TYPICAL PARKING SPACING**



IT WILL BE NECESSARY TO HAVE A REPRESENTATIVE OF THE STATE POLICE PRESENT SO THAT THE ACCURACY OF MEASUREMENT CAN BE ATTESTED TO IN COURT.



**AERIAL SPEED CHECK ZONES**



**TYPICAL ISLAND**

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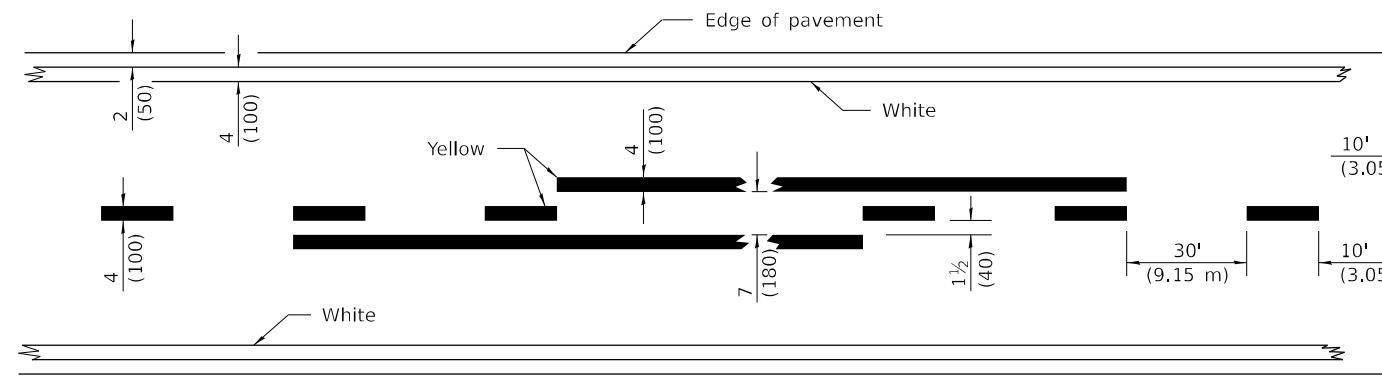
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DRAWN - RW	REVISED -	
PLOT SCALE = 100,000' / in.	CHECKED - YP	REVISED -
PLOT DATE = 11/5/2022	DATE - 10/22/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

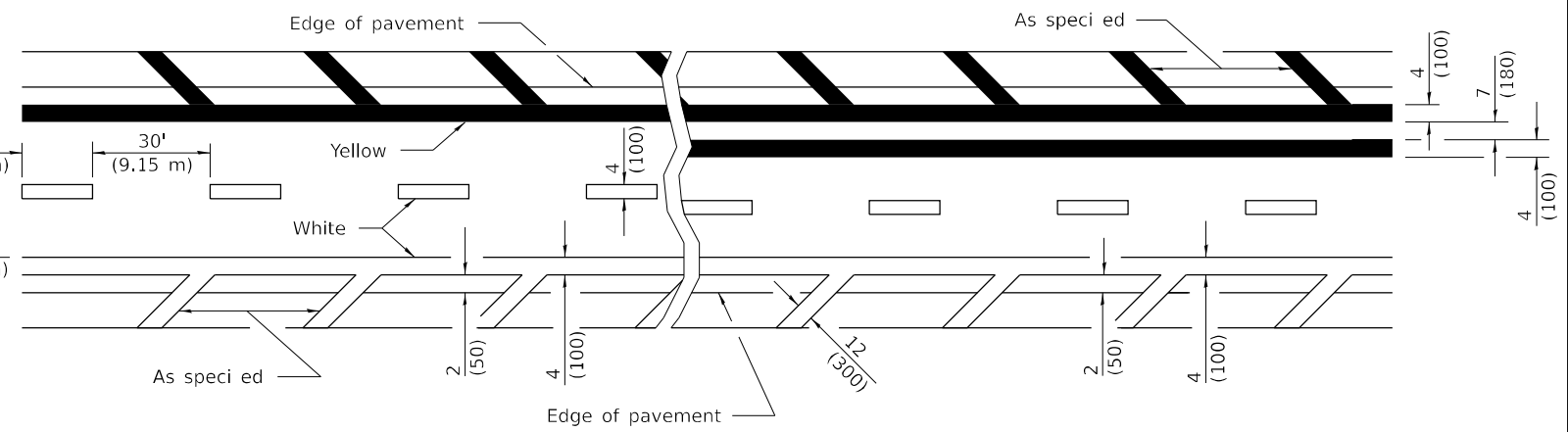
**TYPICAL PAVEMENT MARKING**

SCALE: 50 SHEET 6 OF 8 SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D 3 HT PVMNT MRK 23-17	VARIOUS	15	13
CONTRACT NO. 46607				
ILLINOIS FED. AID PROJECT				

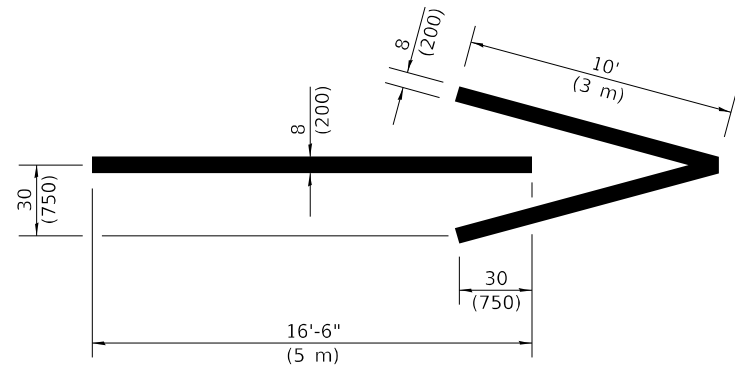


**2 LANE**

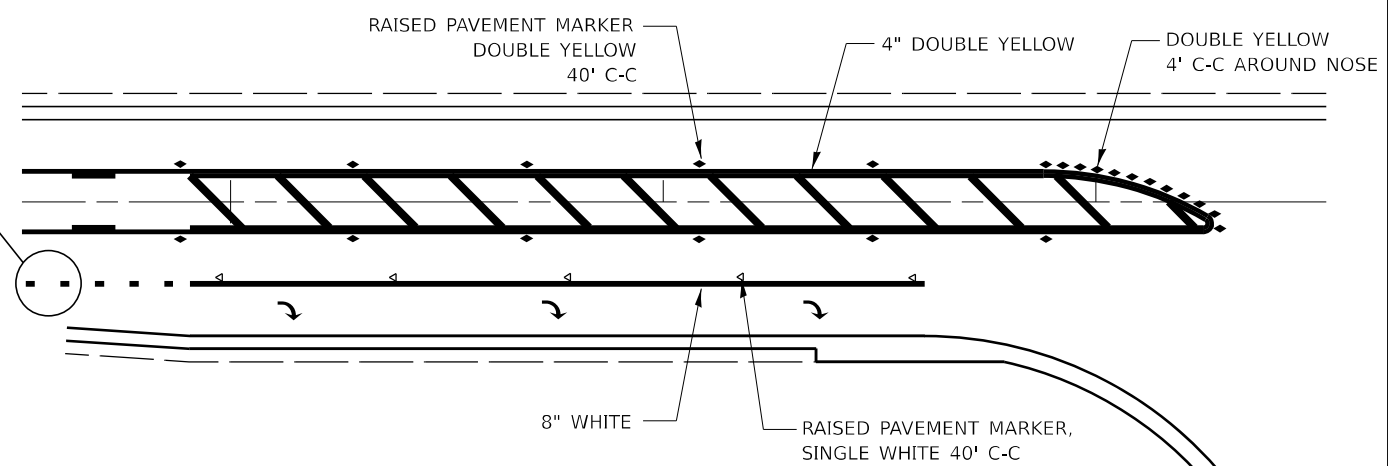
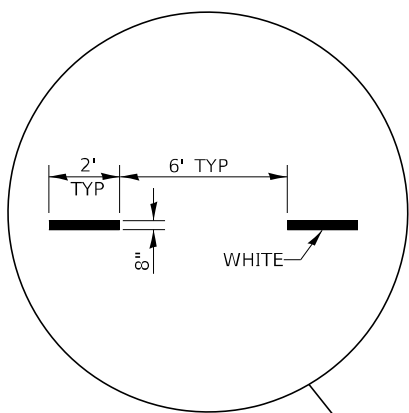


**MULTI LANE**

**LANE AND EDGE LINES**



**WRONG WAY ARROW**



**RAISED REFLECTIVE AND PAVEMENT MARKERS @ RIGHT TURN LANE**

MODEL: D:\info...  
 FILE NAME: ...  
 PROJECT: ...  
 DATE: 11/5/2022

USER NAME = ronald.woodshank	DESIGNED - RW	REVISED -
DRAWN - RW	REVISIONS -	
PLOT SCALE = 100,000' / in.	CHECKED - YP	REVISIONS -
PLOT DATE = 11/5/2022	DATE - 10/22/2022	REVISIONS -

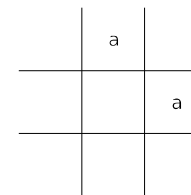
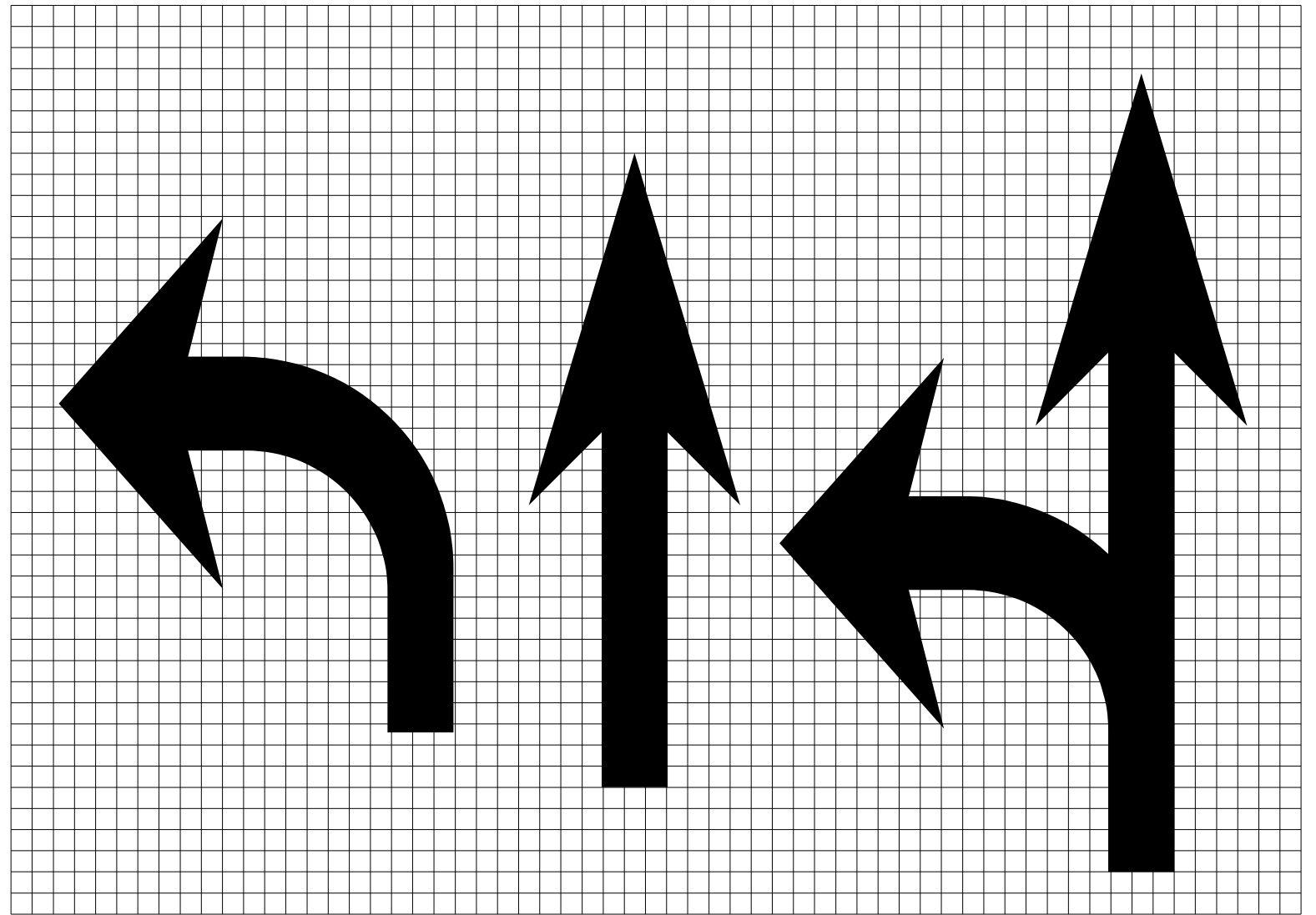
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL PAVEMENT MARKING**

SCALE: 50 SHEET 7 OF 8 SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D 3 HT PVMNT MRK 23-17	VARIOUS	15	14
CONTRACT NO. 46607				
ILLINOIS FED. AID PROJECT				

MODEL: D:\h114...  
 FILE NAME: ...  
 PROJECT: ...  
 DATE: ...



Legend Height	Arrow Size	a
6' (1.8 m)	Small	2.9 (74)
8' (2.4 m)	Large	3.8 (96)

The space between adjacent letters or numerals should be approximately 3 (75) for 6' (1.8 m) legend and 4 (100) for 8' (2.4 m) legend.

**LETTER AND ARROW GRID SCALE**

USER NAME = ronald.woodshank	DESIGNED - RW	REVISED - ____
	DRAWN - RW	REVISED - ____
PLOT SCALE = 100,000' / in.	CHECKED - YP	REVISED - ____
PLOT DATE = 11/5/2022	DATE - 10/22/2022	REVISED - ____

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL PAVEMENT MARKING**

SCALE: 50 SHEET 8 OF 8 SHEETS STA. \_\_\_\_ TO STA. \_\_\_\_

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D 3 HT PVMNT MRK 23-17	VARIOUS	15	15
CONTRACT NO. 46607				
ILLINOIS FED. AID PROJECT				