

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE	N	COUNTY	TOTAL SHEETS	SHEET NO
80	I	HENRY	10	1
		CONTRACT NO. 64M46		

INDEX OF SHEETS

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3	SUMMARY OF QUANTITIES
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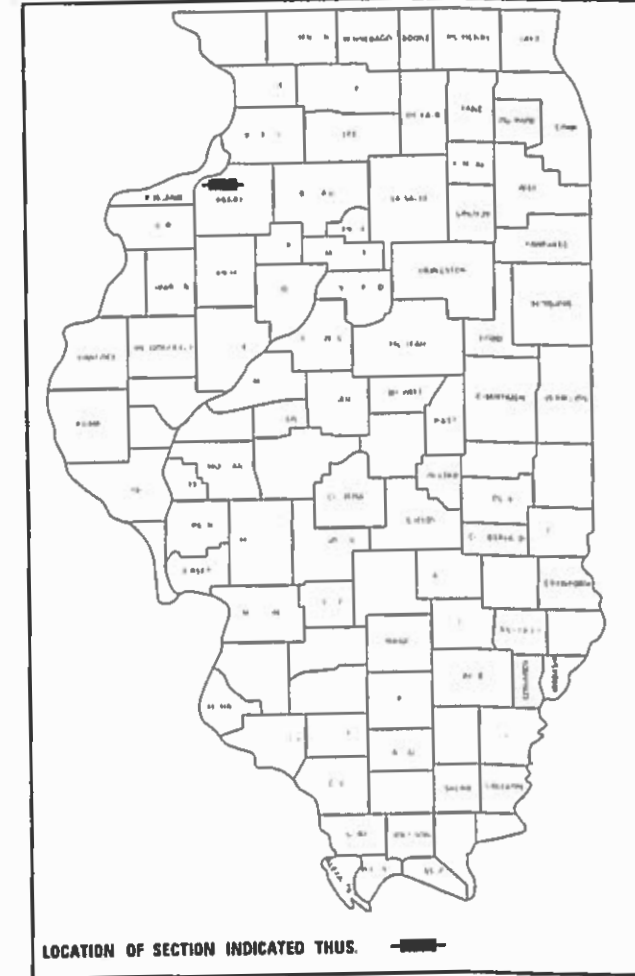
STATE STANDARDS

001006	DECIMAL OF AN INCH AND OF A FOOT
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5M) TO 24' (600MM) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5M) AWAY
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45MPH
701428-01	TRAFFIC CONTROL SET UP AND REMOVAL FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS

PROPOSED
HIGHWAY PLANS

F.A.I ROUTE 80 (I-80)
SECTION (37-2,37-3)CJS
PROJECT NHPP - UABR(598)
ROUTING, CLEANING, & SEALING
HENRY COUNTY
C-92-005-18

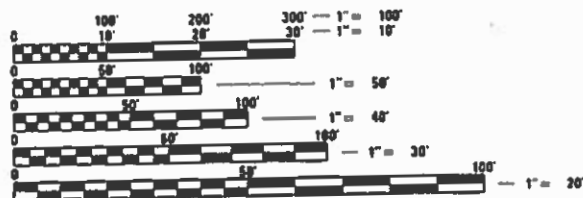
D-92-057-17



LOCATION OF SECTION INDICATED THUS.

EDFORD TOWNSHIP-SECTIONS 19, 20, 21, 22, 23, 24,
25, 26, 27, 28, 29, 30

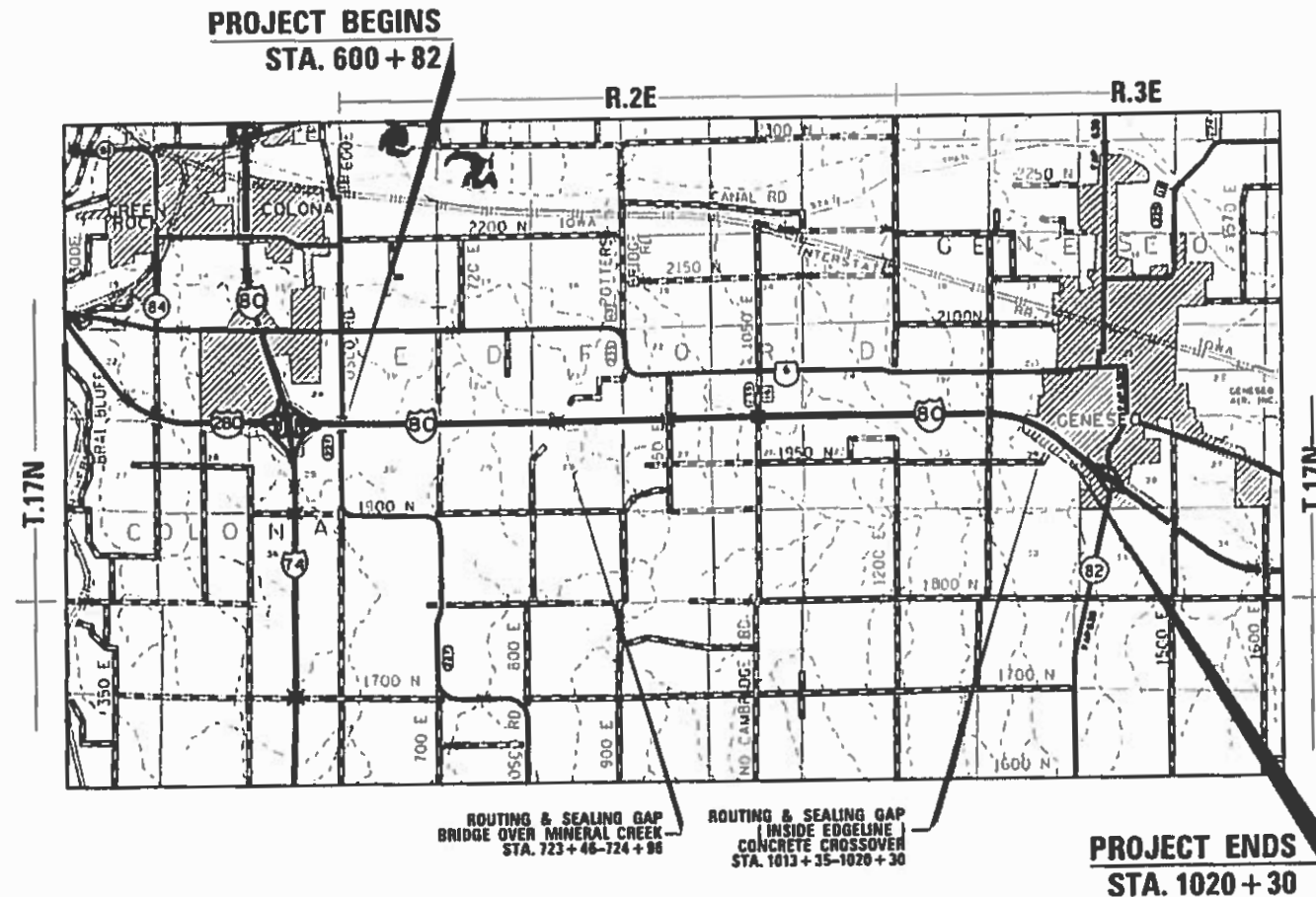
GENESEO TOWNSHIP-SECTIONS 19, 20, 29, 30



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: FAITH DUNCAN
SENIOR SQUAD LEADER: CHAD SPREEMAN (815-284-5934)
SQUAD TECHNICIAN: RAVI KARKI (815-284-5904)
CONTRACT NO. 64M46



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Oct. 8 2019
Mamad Ahmad
REGIONAL ENGINEER

Dec 6 2019
Scott A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT

Dec 6 2019
Paul P. Chif
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GROSS LENGTH = 41948 FT. = 7.94 MILE
NET LENGTH = 41948 FT. = 7.94 MILE

GENERAL NOTES

Pavement Markings shall be done according to Standard 780001, except as follows and is to be placed to match the existing markings:

- The distance between yellow no-passing lines shall be 8", not 7" as shown in the detail of Typical Lane and Edge lines.

The use of "GLENZOIL 20" or an equivalent will be used on this project to prohibit the "pickup" of sealing materials by vehicle tires. This product shall be used in lieu of sand, tissue paper, or any other type of blotter/protection. The cost of supplying and applying this product shall be considered included in the contract unit price per POUND for CRACK FILLING and no additional compensation will be allowed.

The Contractor is to use caution to keep sealant off of the raised reflective pavement markers.

Resident Engineer shall determine exact locations where cracks are to be routed and filled.

All structures are to be omitted from the contract.

FILE NAME = 64M46.GN.DOCX	USER NAME =	DESIGNED - Engineering Systems	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN -	REVISED -			80 (1-80)	(37-2.37-3)CJS	Henry	10	2
	PLOT DATE = 7/30/2019 10:18 AM	CHECKED -	REVISED -			CONTRACT NO. 64M46				
	DATE = 7/30/2019 9:56 AM	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

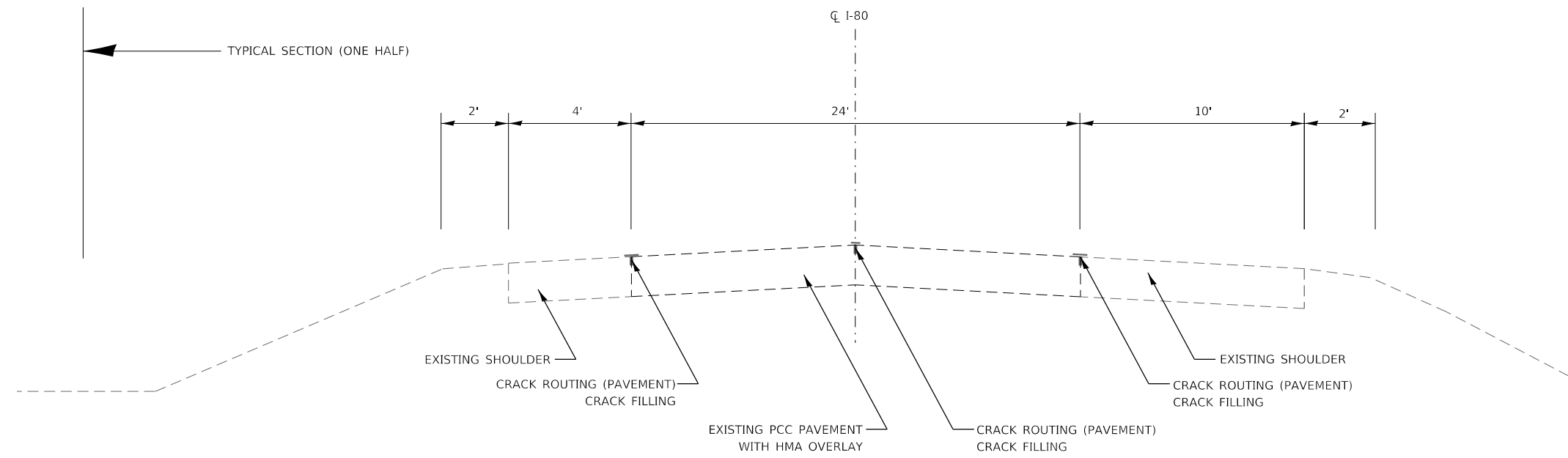
				RURAL - HENRY
				0005
CODE NUMBER	ITEM	UNIT	NHPP 90% FEDERAL 10% STATE	
45100100	CRACK ROUTING (PAVEMENT)	FOOT	433,969	
45100200	CRACK FILLING	POUND	216,985	
67100100	MOBILIZATION	L SUM	1	
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2	
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	34	
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	
*	78008310	POLYUREA PAVEMENT MARKING TYPE II - LINE 4"	FOOT	167,792
*	78008330	POLYUREA PAVEMENT MARKING TYPE II - LINE 6"	FOOT	20,974
*	78008340	POLYUREA PAVEMENT MARKING TYPE II - LINE 8"	FOOT	1,100

* SPECIALTY ITEMS

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USER NAME = karkir DRAWN - CHECKED - DATE -	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I. RTE. 80	SECTION (37-2,37-3)CJS	COUNTY HENRY	TOTAL SHEETS 10	SHEET NO. 3
				SCALE:	SHEET 2 OF 100 SHEETS		STA.	TO STA.	
				ILLINOIS FED. AID PROJECT					

STA 600+82 TO STA 1020+30



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PLOT DATE = 10/8/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTION			
SCALE:	SHEET 3	OF 100 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(37-2,37-3)CJS	HENRY	10	4
CONTRACT NO. 64M46				
ILLINOIS		FED. AID PROJECT		

SCHEDULES OF QUANTITIES

45100100 CRACK ROUTING (PAVEMENT)

LOCATION	REMARK	FOOT
LONGITUDINAL CRACK		
STA 600+82 - 723+46	OUTSIDE EDGELINE EB	12,264
STA 723+46 - 724+96	MINERAL CREEK OMISSION	--
STA 724+96 - 1020+30	OUTSIDE EDGELINE EB	29,534
STA 600+82 - 723+46	CENTERLINE EB	12,264
STA 723+46 - 724+96	MINERAL CREEK OMISSION	--
STA 724+96 - 1020+30	CENTERLINE EB	29,534
STA 600+82 - 723+46	INSIDE EDGELINE EB	12,264
STA 723+46 - 724+96	MINERAL CREEK OMISSION	--
STA 724+96 - 1013+35	INSIDE EDGELINE EB	28,839
STA 1013+35 - 1020+30	CONCRETE CROSSOVER OMISSION	--
STA 600+82 - 723+46	OUTSIDE EDGELINE WB	12,264
STA 723+46 - 724+96	MINERAL CREEK OMISSION	--
STA 724+96 - 1020+30	OUTSIDE EDGELINE WB	29,534
STA 600+82 - 723+46	CENTERLINE WB	12,264
STA 723+46 - 724+96	MINERAL CREEK OMISSION	--
STA 724+96 - 1020+30	CENTERLINE WB	29,534
STA 600+82 - 723+46	INSIDE EDGELINE WB	12,264
STA 723+46 - 724+96	MINERAL CREEK OMISSION	--
STA 724+96 - 1013+35	INSIDE EDGELINE WB	28,839
STA 1013+35 - 1020+30	CONCRETE CROSSOVER OMISSION	--
TRANVERSE CRACK @110 FT/ LANE PER STATION		
STA 600+82 - 1020+30	2 X 2 LANES	184,571
TOTAL		433,969

45100200 CRACK FILLING

LOCATION	REMARK	POUND
LONGITUDINAL CRACK		
STA 600+82 - 723+46	OUTSIDE EDGELINE EB	6,132.0
STA 723+46 - 724+96	MINERAL CREEK OMISSION	--
STA 724+96 - 1020+30	OUTSIDE EDGELINE EB	14,767.0
STA 600+82 - 723+46	CENTERLINE EB	6,132.0
STA 723+46 - 724+96	MINERAL CREEK OMISSION	--
STA 724+96 - 1020+30	CENTERLINE EB	14,767.0
STA 600+82 - 723+46	INSIDE EDGELINE EB	6,132.0
STA 723+46 - 724+96	MINERAL CREEK OMISSION	--
STA 724+96 - 1013+35	INSIDE EDGELINE EB	14,419.5
STA 1013+35 - 1020+30	CONCRETE CROSSOVER OMISSION	--
STA 600+82 - 723+46	OUTSIDE EDGELINE WB	6,132.0
STA 723+46 - 724+96	MINERAL CREEK OMISSION	--
STA 724+96 - 1020+30	OUTSIDE EDGELINE WB	14,767.0
STA 600+82 - 723+46	CENTERLINE WB	6,132.0
STA 723+46 - 724+96	MINERAL CREEK OMISSION	--
STA 724+96 - 1020+30	CENTERLINE WB	14,767.0
STA 600+82 - 723+46	INSIDE EDGELINE WB	6,132.0
STA 723+46 - 724+96	MINERAL CREEK OMISSION	--
STA 724+96 - 1013+35	INSIDE EDGELINE WB	14,419.5
STA 1013+35 - 1020+30	CONCRETE CROSSOVER OMISSION	--
TRANVERSE CRACK @110 FT/ LANE PER STATION		
STA 600+82 - 1020+30	2 X 2 LANES	92,285.6
TOTAL		216,985.0

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PLOT DATE = 10/8/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 4 OF 100 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(37-2,37-3)CJS	HENRY	10	5
CONTRACT NO. 64M46				
ILLINOIS FED. AID PROJECT				

SCHEDULES OF QUANTITIES

78008310 POLYUREA PAVEMENT MARKING TYPE II - LINE 4"

<u>LOCATION</u>	<u>REMARK</u>	<u>FOOT</u>
STA 600+82 - 1020+30	OUTSIDE EDGELINE EB & WB (WHITE)	83,896
STA 600+82 - 1020+30	INSIDE EDGELINE EB & WB (YELLOW)	83,896
TOTAL		167,792

78008330 POLYUREA PAVEMENT MARKING TYPE II - LINE 6"

<u>LOCATION</u>	<u>REMARK</u>	<u>FOOT</u>
STA 600+82 - 1020+30	CENTERLINE EB & WB (WHITE)	20,974
TOTAL		20,974

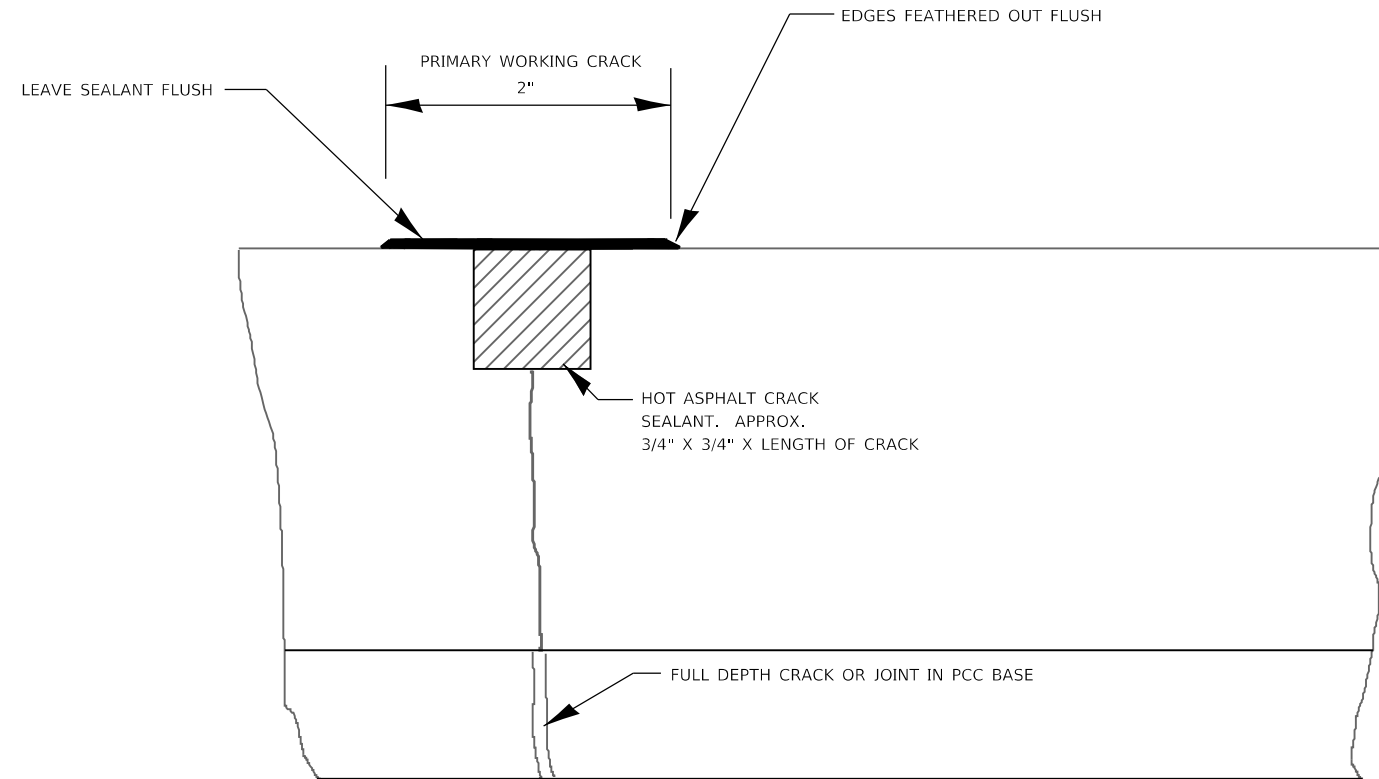
78008340 POLYUREA PAVEMENT MARKING TYPE II - LINE 8"

<u>LOCATION</u>	<u>REMARK</u>	<u>FOOT</u>
EDGELINE AT RAMP.	TBD BY ENGINEER (WHITE)	1,100
TOTAL		1,100

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	PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -					CONTRACT NO. 64M46				
	PLOT DATE = 10/8/2019	CHECKED -	REVISED -									
		DATE -	REVISED -		SCALE:	SHEET 5	OF 100 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

DETAIL FOR ROUTE AND SEALING OF CRACKS



Routed, Cleaned & Sealed

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PLOT DATE = 10/8/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

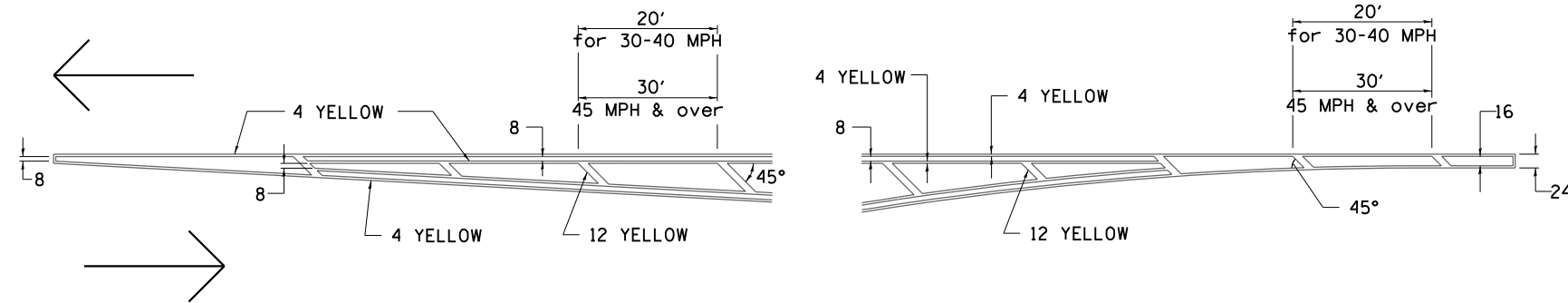
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OF CRACKS**

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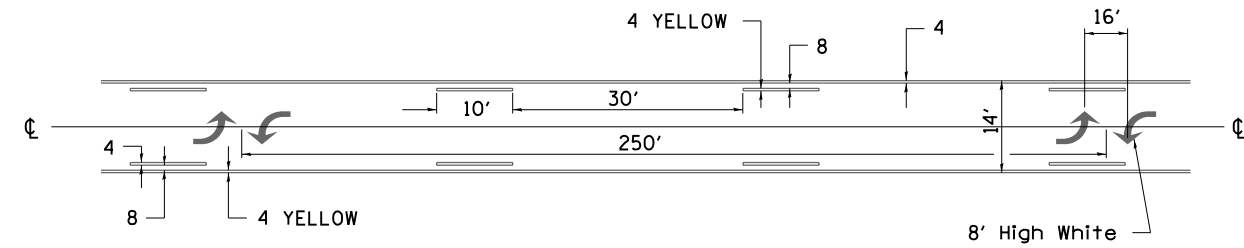
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CONTRACT NO. 64M46				
ILLINOIS		FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

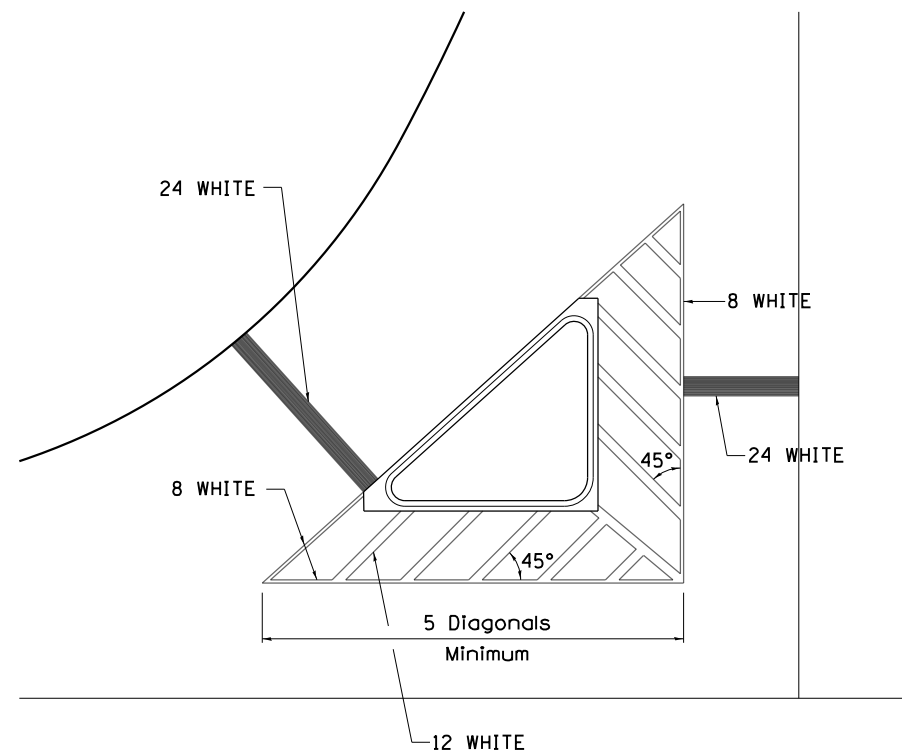


MEDIAN PAVEMENT MARKING



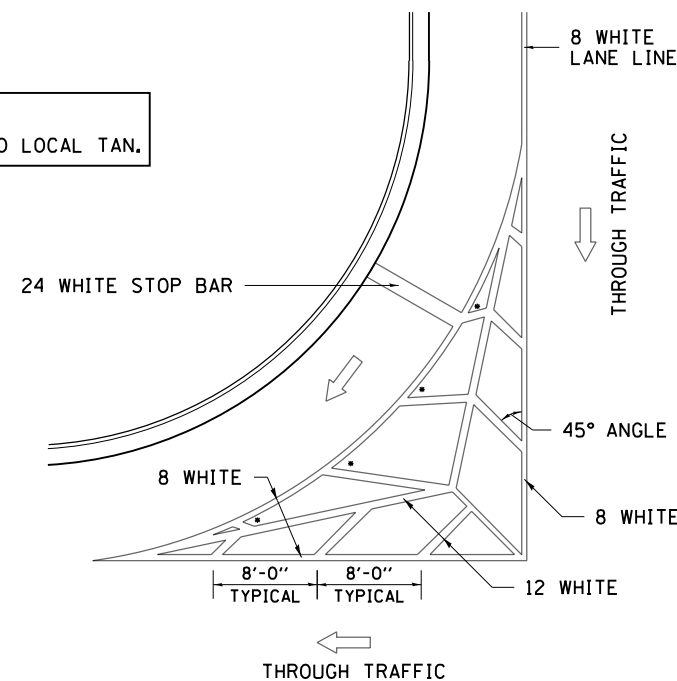
•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



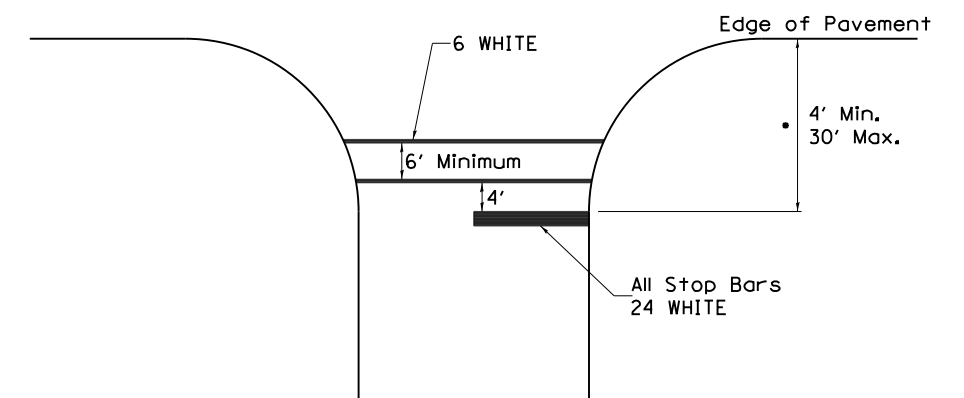
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations

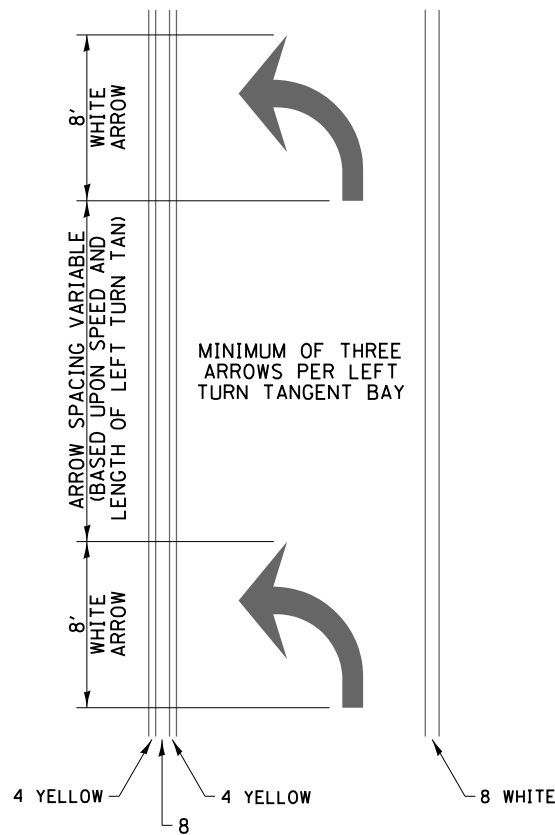


• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME =	USER NAME = karkir	DESIGNED -	REVISED - 6-27-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 64M46			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
PLOT DATE = 10/8/2019	DATE -	REVISED -			SCALE:	SHEET NO.	OF 100 SHEETS	STA.	TO STA.			

TYPICAL PAVEMENT MARKINGS

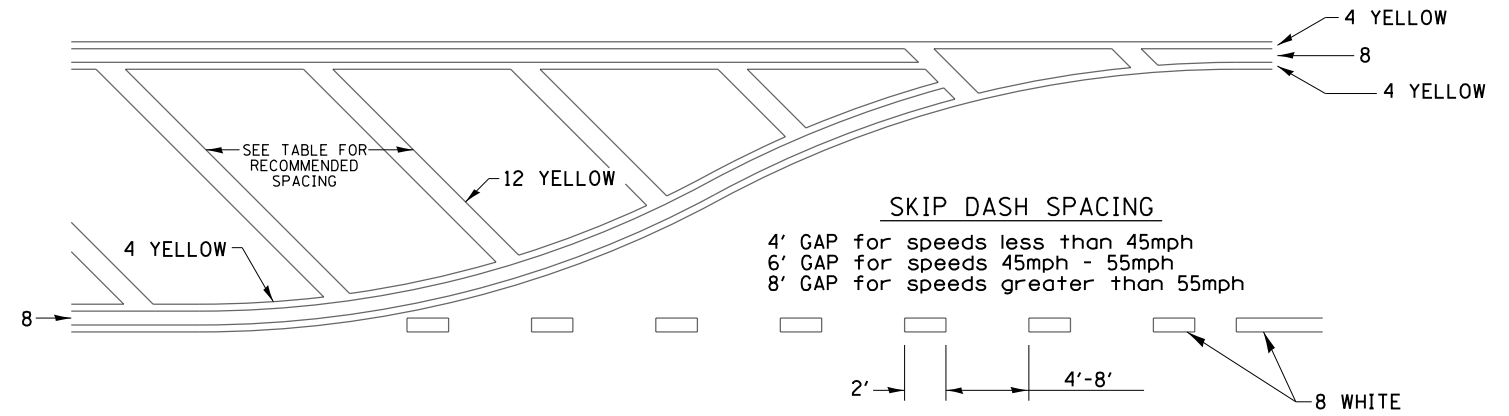
ARROW LAYOUT



- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

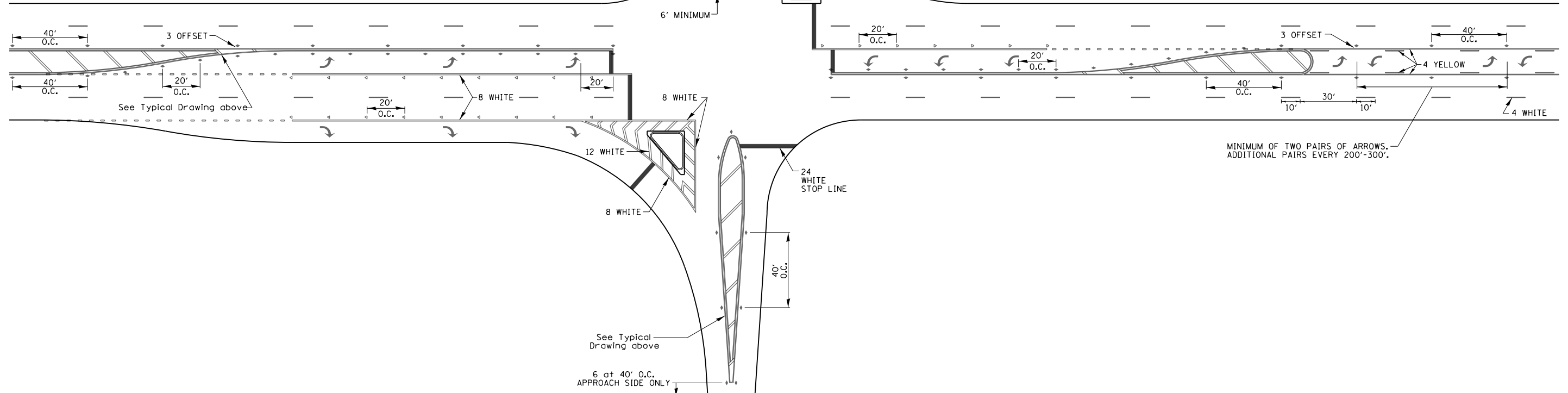
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

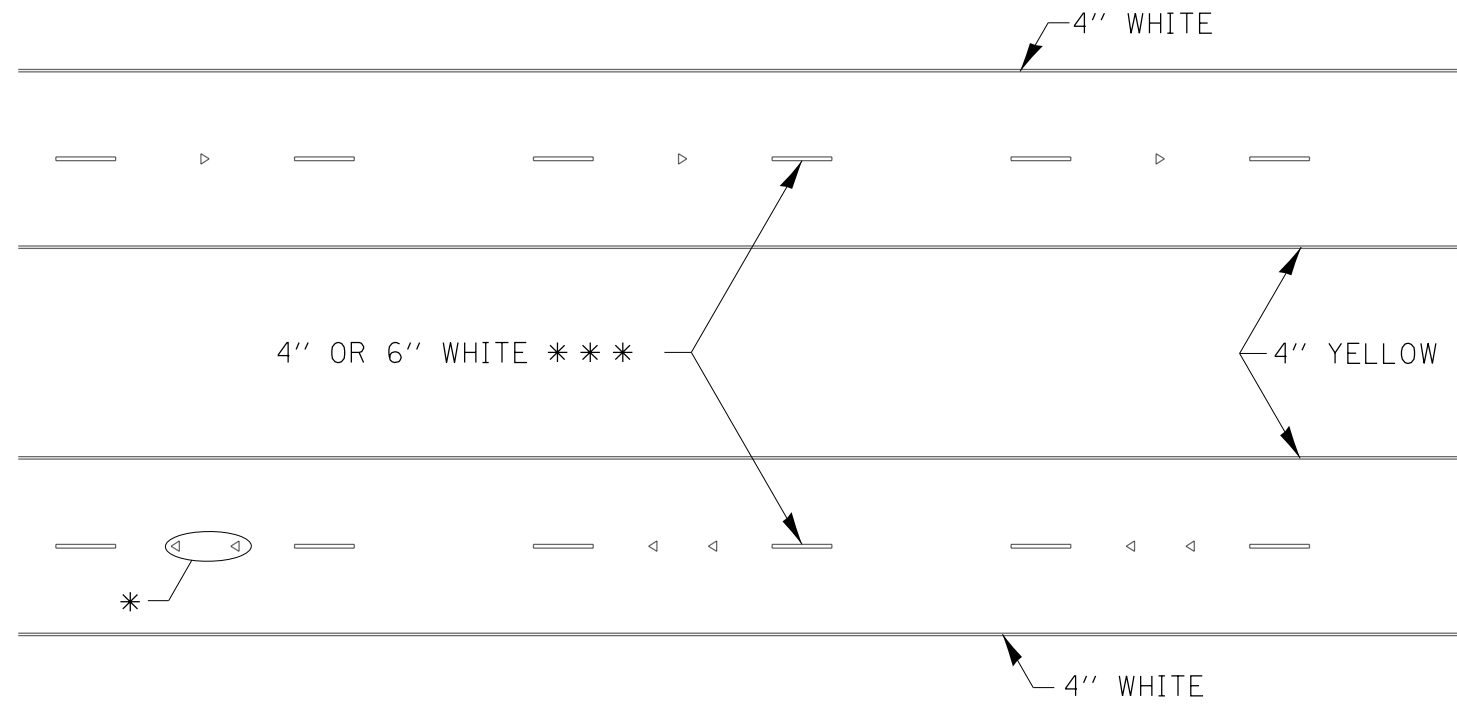
Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



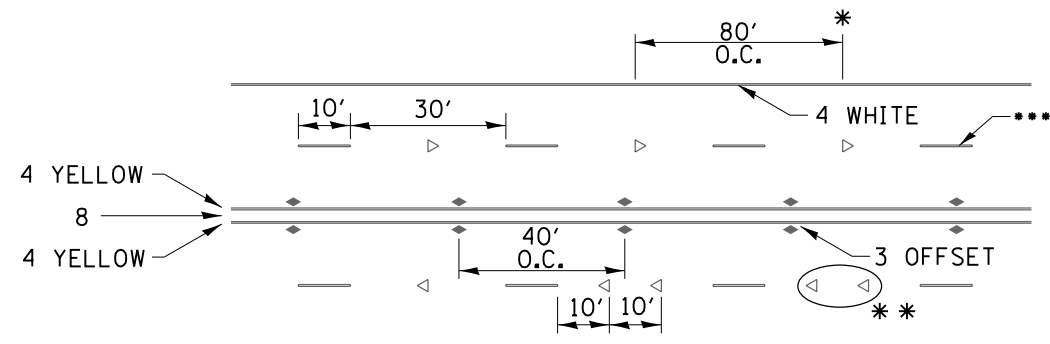
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PLOT SCALE = 1/8" = 100'		DATE -	REVISED -			CONTRACT NO. 64M46			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT > 20,000.

MULTI-LANE / DIVIDED



* REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.

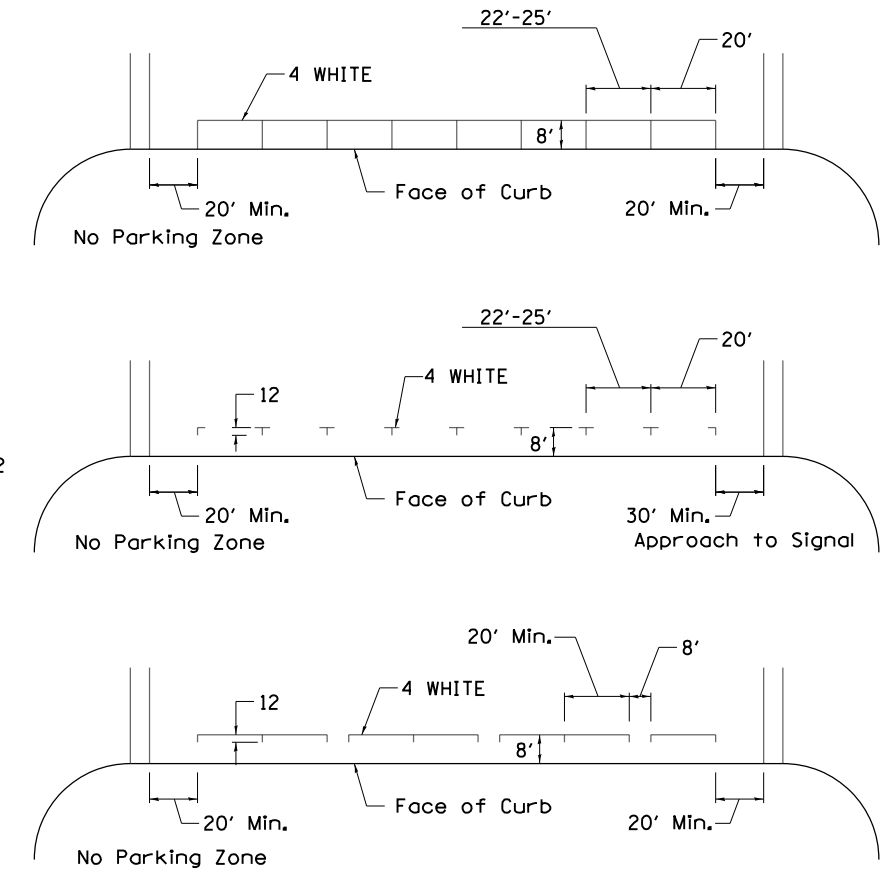
** USE DOUBLE MARKERS WHEN ADT ≥ 20,000

*** CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

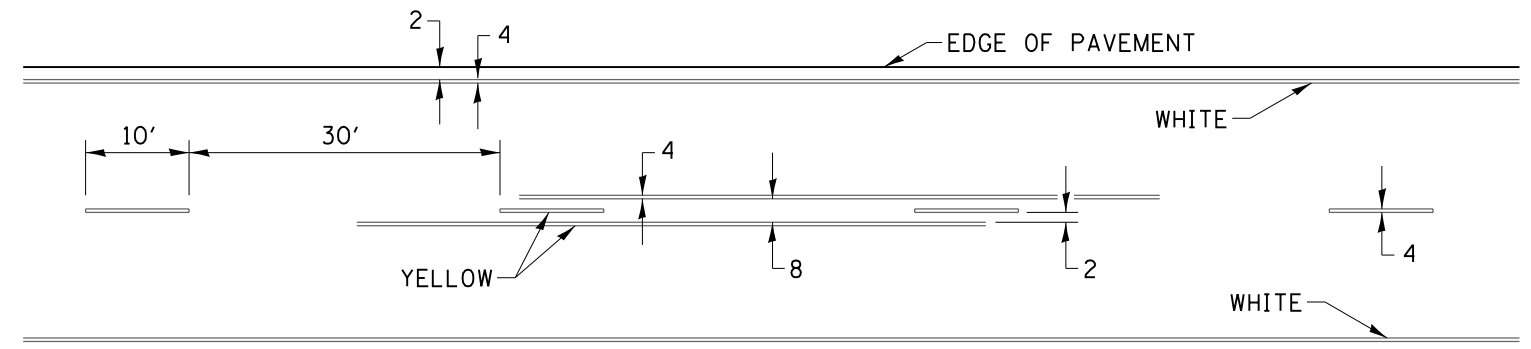
MULTI-LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS DETAIL NOT HIGHWAY STANDARD 781001)

TYPICAL PARKING SPACING



TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



SYMBOLS

FILE NAME =	USER NAME = karkir	DESIGNED -	REVISED - 6-27-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.0000' / in.	DATE -	REVISOR -				CONTRACT NO. 64M46				
PLOT DATE = 10/8/2019				SCALE:	SHEET NO.	OF 100 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	