

075

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BD	37-4,5,6)CJS	HENRY	11	1

D92-032-17



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**

FAI 80 (I-80)
SECTION (37-4, 5, 6)CJS
PROJECT NHPP-2HI5(466)
ROUTING, CLEANING, & SEALING
HENRY COUNTY
C-92-057-17

INDEX OF SHEETS 07-12-2019 LETTING ITEM 075

PAGE	SHEET
1	COVER SHEET
2	GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5-7	SCHEDULE OF QUANTITIES
8	DETAILS SHEET
9-11	TYPICAL PAVEMENT MARKINGS (DS 41.1)

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

IMPROVEMENT BEGINS
STA. 1020+30

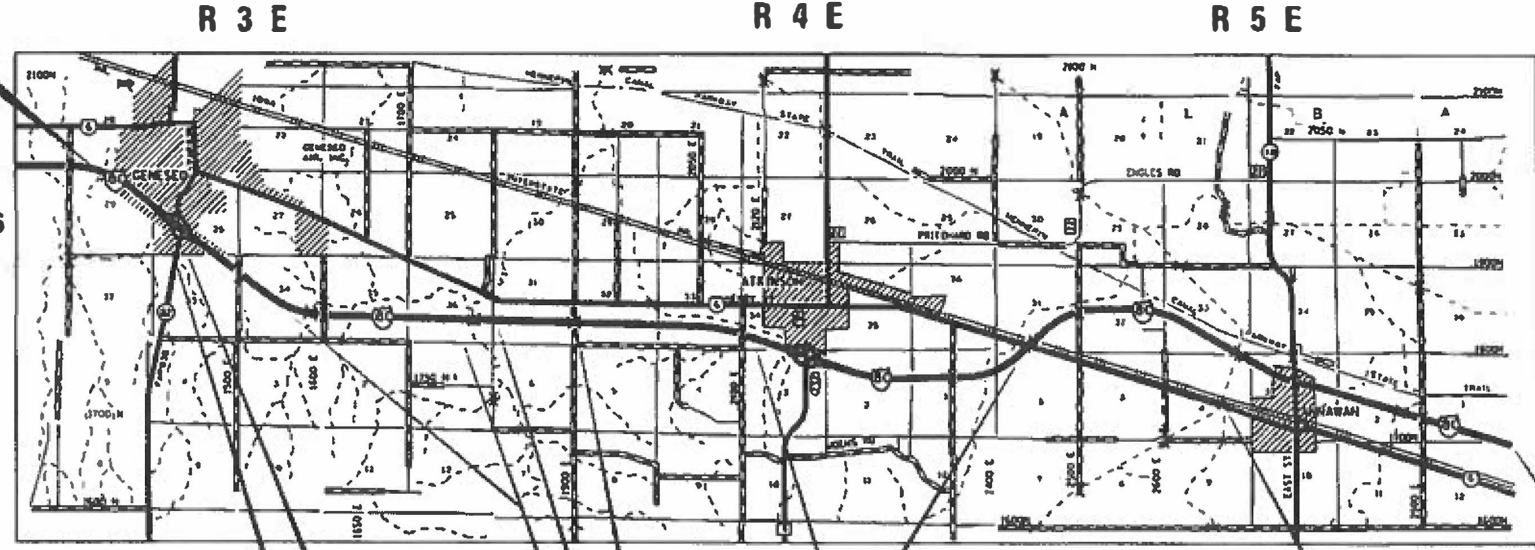
GENESED TOWNSHIP
SECTIONS 28, 29, 33, 34, 35, 36

ATKINSON TOWNSHIP
SECTIONS 31, 32, 33, 34

CORNWALL TOWNSHIP
SECTIONS 1, 2, 3

ALBA TOWNSHIP
SECTIONS 31, 32, 33

ANNAWAN TOWNSHIP
SECTIONS 1, 2, 3, 4, 6



- ROUTING & SEALING GAP BRIDGE OVER GENESED CREEK STA. 1042+61-1045+80 EB STA. 1041+56-1044+78 WB
- ROUTING & SEALING GAP BRIDGE OVER DAKWOOD AVE STA. 1052+14-1057+23 EB STA. 1051+82-1056+48 WB
- ROUTING & SEALING GAP BRIDGE OVER 1900TH ST STA. 1317+28-1318+31 EB STA. 1317+10-1318+54 WB
- ROUTING & SEALING GAP BRIDGE OVER RR STA. 1609+85-1613+85 EB STA. 1609+41-1613+21 WB
- ROUTING & SEALING GAP BRIDGE OVER MUD CREEK STA. 1753+33-1755+87 EB STA. 1752+98-1755+42 WB
- ROUTING & SEALING GAP CONCRETE CROSSOVER INSIDE EDGELINE STA. 1424+85-1434+40 EB & WB
- ROUTING & SEALING GAP CENTERLINE STA. 1117+50-1247+50 WB
- ROUTING & SEALING GAP BRIDGE OVER SPRING CREEK STA. 1254+60-1256+83 EB STA. 1254+60-1256+83 WB

J.U.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-492-0123

IMPROVEMENT ENDS
STA. 1929+96
BUREAU COUNTY LINE

PROJECT ENGINEER: FAITH DUNCAN
SENIOR SQUAD LEADER: CHAD SPREEMAN (815) 284-5934
SQUAD TECHNICIAN: RAVI KARKI (815) 284-5904

CONTRACT 64M22

GROSS LENGTH = 90966 LIN. FT. (I-80) = 17.23 MILES
NET LENGTH = 90966 LIN. FT. (I-80) = 17.23 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED May 19, 2019
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 14, 2019
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

June 19, 2019
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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

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PLOT DATE = 5/17/2019	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

SUMMARY OF QUANTITIES

					RURAL - HENRY
					0005
					NHPP
					90% FEDERAL
					10%STATE
	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	
	45100100	CRACK ROUTING (PAVEMENT)	FOOT	920,463	920,463
	45100200	CRACK FILLING	POUND	262,990	262,990
	67100100	MOBILIZATION	L SUM	1	1
	70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	12	12
	70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	49	49
	70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	363,864	363,864
	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	45,483	45,483
	70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	12,000	12,000
*	78008310	POLYUREA PAVEMENT MARKING TYPE II - LINE 4"	FOOT	363,864	363,864
*	78008330	POLYUREA PAVEMENT MARKING TYPE II - LINE 6"	FOOT	45,483	45,483
*	78008340	POLYUREA PAVEMENT MARKING TYPE II - LINE 8"	FOOT	12,000	12,000

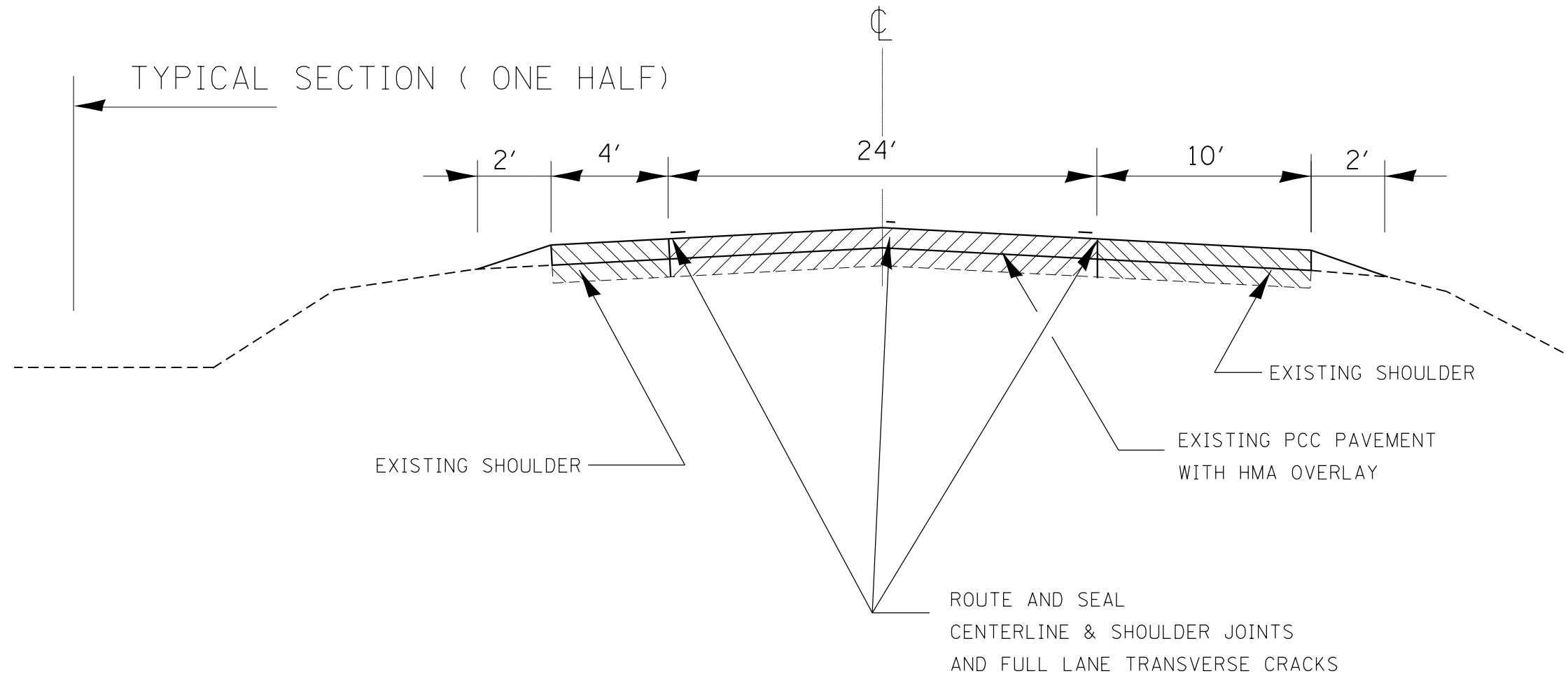
* SPECIALTY ITEMS

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TYPICAL SECTION

I-80

STA. 1020+30 TO STA. 1929+96



 EXISTING PCC PAVEMENT WITH HMA OVERLAY

 EXISTING SHOULDERS

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	DRAWN -	REVISED -
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PLOT DATE = 5/17/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTION				
I-80				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(37-4.5.6)CIS	HENRY	11	4
CONTRACT NO. 64M22				
ILLINOIS			FED. AID PROJECT	

SCHEDULE OF QUANTITIES

45100100 CRACK ROUTING (PAVEMENT)

<u>LOCATION</u>	<u>Remark</u>	<u>FOOT</u>
Sta 1020 + 30 - 1042 + 61	Outside Edgeline EB	2,231
Sta 1042 + 61 - 1045 + 80	Bridge Omission over Geneseo Creek	
Sta 1045 + 80 - 1052 + 14	Outside Edgeline EB	634
Sta 1052 + 14 - 1057 + 23	Bridge Omission over Oakwood Ave.	
Sta 1057 + 23 - 1254 + 60	Outside Edgeline EB	19,737
Sta 1254 + 60 - 1256 + 83	Bridge Omission over Spring Creek.	
Sta 1256 + 83 - 1317 + 26	Outside Edgeline EB	6,043
Sta 1317 + 26 - 1318 + 51	Bridge Omission over 1900th Street.	
Sta 1318 + 51 - 1609 + 85	Outside Edgeline EB	29,134
Sta 1609 + 85 - 1613 + 65	Bridge Omission over Railroad.	
Sta 1613 + 65 - 1753 + 33	Outside Edgeline EB	13,968
Sta 1753 + 33 - 1755 + 67	Bridge Omission over Mud Creek.	
Sta 1755 + 67 - 1929 + 96	Outside Edgeline EB	17,429
Sub-Total Outside Edgeline EB		89,176

Sta 1020 + 30 - 1042 + 61	Centerline EB	2,231
Sta 1042 + 61 - 1045 + 80	Bridge Omission over Geneseo Creek	
Sta 1045 + 80 - 1052 + 14	Centerline EB	634
Sta 1052 + 14 - 1057 + 23	Bridge Omission over Oakwood Ave.	
Sta 1057 + 23 - 1254 + 60	Centerline EB	19,737
Sta 1254 + 60 - 1256 + 83	Bridge Omission over Spring Creek.	
Sta 1256 + 83 - 1317 + 26	Centerline EB	6,043
Sta 1317 + 26 - 1318 + 51	Bridge Omission over 1900th Street.	
Sta 1318 + 51 - 1609 + 85	Centerline EB	29,134
Sta 1609 + 85 - 1613 + 65	Bridge Omission over Railroad.	
Sta 1613 + 65 - 1753 + 33	Centerline EB	13,968
Sta 1753 + 33 - 1755 + 67	Bridge Omission over Mud Creek.	
Sta 1755 + 67 - 1929 + 96	Centerline EB	17,429
Sub-Total Centerline EB		89,176

<u>LOCATION</u>	<u>Remark</u>	<u>FOOT</u>
Sta 1020 + 30 - 1042 + 61	Inside Edgeline EB	2,231
Sta 1042 + 61 - 1045 + 80	Bridge Omission over Geneseo Creek	
Sta 1045 + 80 - 1052 + 14	Inside Edgeline EB	634
Sta 1052 + 14 - 1057 + 23	Bridge Omission over Oakwood Ave.	
Sta 1057 + 23 - 1254 + 60	Inside Edgeline EB	19,737
Sta 1254 + 60 - 1256 + 83	Bridge Omission over Spring Creek.	
Sta 1256 + 83 - 1317 + 26	Inside Edgeline EB	6,043
Sta 1317 + 26 - 1318 + 51	Bridge Omission over 1900th Street.	
Sta 1318 + 51 - 1424 + 80	Inside Edgeline EB	10,629
Sta 1424 + 80 - 1434 + 40	Concrete Crossover Omission	
Sta 1434 + 40 - 1609 + 85	Inside Edgeline EB	17,545
Sta 1609 + 85 - 1613 + 65	Bridge Omission over Railroad.	
Sta 1613 + 65 - 1753 + 33	Inside Edgeline EB	13,968
Sta 1753 + 33 - 1755 + 67	Bridge Omission over Mud Creek.	
Sta 1755 + 67 - 1929 + 96	Inside Edgeline EB	17,429
Sub-Total Inside Edgeline EB		88,216

Sta 1020 + 30 - 1041 + 56	Outside Edgeline WB	2,126
Sta 1041 + 56 - 1044 + 78	Bridge Omission over Geneseo Creek	
Sta 1044 + 78 - 1051 + 82	Outside Edgeline WB	704
Sta 1051 + 82 - 1056 + 48	Bridge Omission over Oakwood Ave.	
Sta 1056 + 48 - 1254 + 60	Outside Edgeline WB	19,812
Sta 1254 + 60 - 1256 + 83	Bridge Omission over Spring Creek.	
Sta 1256 + 83 - 1317 + 10	Outside Edgeline WB	6,027
Sta 1317 + 10 - 1318 + 54	Bridge Omission over 1900th Street.	
Sta 1318 + 54 - 1609 + 41	Outside Edgeline WB	29,087
Sta 1609 + 41 - 1613 + 21	Bridge Omission over Railroad.	
Sta 1613 + 21 - 1752 + 98	Outside Edgeline WB	13,977
Sta 1752 + 98 - 1755 + 42	Bridge Omission over Mud Creek.	
Sta 1755 + 42 - 1929 + 96	Outside Edgeline WB	17,454
Sub-Total Outside Edgeline WB		89,187

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PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -					80	(37-4.5.6)CJS	HENRY	11	5
PLOT DATE = 5/17/2019	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 64M22				
	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

<u>LOCATION</u>	<u>Remark</u>	<u>FOOT</u>
Sta 1020 + 30 - 1041 + 56	Centerline WB	2,126
Sta 1041 + 56 - 1044 + 78	Bridge Omission over Geneseo Creek	
Sta 1044 + 78 - 1051 + 82	Centerline WB	704
Sta 1051 + 82 - 1056 + 48	Bridge Omission over Oakwood Ave.	
Sta 1056 + 48 - 1117 + 50	Centerline WB	6,102
Sta 1117 + 50 - 1247 + 50	Omission CL WB	
Sta 1247 + 50 - 1254 + 60	Centerline WB	710
Sta 1254 + 60 - 1256 + 83	Bridge Omission over Spring Creek.	
Sta 1256 + 83 - 1317 + 10	Centerline WB	6,027
Sta 1317 + 10 - 1318 + 54	Bridge Omission over 1900th Street.	
Sta 1318 + 54 - 1609 + 41	Centerline WB	29,087
Sta 1609 + 41 - 1613 + 21	Bridge Omission over Railroad.	
Sta 1613 + 21 - 1752 + 98	Centerline WB	13,977
Sta 1752 + 98 - 1755 + 42	Bridge Omission over Mud Creek.	
Sta 1755 + 42 - 1929 + 96	Centerline WB	17,454
Sub-Total Centerline WB		76,187
Sta 1020 + 30 - 1041 + 56	Inside Edgeline WB	2,126
Sta 1041 + 56 - 1044 + 78	Bridge Omission over Geneseo Creek	
Sta 1044 + 78 - 1051 + 82	Inside Edgeline WB	704
Sta 1051 + 82 - 1056 + 48	Bridge Omission over Oakwood Ave.	
Sta 1056 + 48 - 1254 + 60	Inside Edgeline WB	19,812
Sta 1254 + 60 - 1256 + 83	Bridge Omission over Spring Creek.	
Sta 1256 + 83 - 1317 + 10	Inside Edgeline WB	6,027
Sta 1317 + 10 - 1318 + 54	Bridge Omission over 1900th Street.	
Sta 1318 + 54 - 1424 + 80	Inside Edgeline WB	10,626
Sta 1424 + 80 - 1434 + 40	Concrete Crossover Omission	
Sta 1434 + 40 - 1609 + 85	Inside Edgeline EB	17,545
Sta 1609 + 85 - 1613 + 21	Bridge Omission over Railroad.	
Sta 1613 + 21 - 1752 + 98	Inside Edgeline WB	13,977
Sta 1752 + 98 - 1755 + 42	Bridge Omission over Mud Creek.	
Sta 1755 + 42 - 1929 + 96	Inside Edgeline WB	17,454
Sub-Total Inside Edgeline WB		88,271
Transverse Cracks-@110 ft/Lane per Station		
Sta 1020 + 30 - 1929 + 96	EB & WB 2 lanes +2 Lanes	400,250
Sub-Total Transverse EB & WB		400,250
TOTAL		920,463

45100200 CRACK FILLING

<u>LOCATION</u>	<u>Remark</u>	<u>POUND</u>
Sta 1020 + 30 - 1929 + 96	Outside Edgeline EB	25,479
Sta 1020 + 30 - 1929 + 96	Centerline EB	25,479
Sta 1020 + 30 - 1929 + 96	Inside Edgeline EB	25,205
Sta 1020 + 30 - 1929 + 96	Outside Edgeline WB	25,482
Sta 1020 + 30 - 1929 + 96	Centerline WB	21,768
Sta 1020 + 30 - 1929 + 96	Inside Edgeline WB	25,220
Sta 1020 + 30 - 1929 + 96	Transverse Cracks EB & WB	114,357
TOTAL		262,990

70300220 TEMPORARY PAVEMENT MARKING - LINE 4"

<u>LOCATION</u>	<u>Remark</u>	<u>FOOT</u>
Sta 1020 + 30 - 1929 + 96	Outside Edgeline EB & WB	181,932
Sta 1020 + 30 - 1929 + 96	Inside Edgeline EB & WB	181,932
TOTAL		363,864

70300240 TEMPORARY PAVEMENT MARKING - LINE 6"

<u>LOCATION</u>	<u>Remark</u>	<u>FOOT</u>
Sta 1020 + 30 - 1929 + 96	Centerline EB & WB	45,483
TOTAL		45,483

70300260 TEMPORARY PAVEMENT MARKING - LINE 12"

<u>LOCATION</u>	<u>Remark</u>	<u>FOOT</u>
	Edgeline at ramps 12 ramps at 1000 feet each approx.TBD by Engineer	12,000
TOTAL		12,000

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 DRAWN: -
 CHECKED: -
 DATE: 5/17/2019
 REVISED: -
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 REVISED: -
 REVISED: -

SCHEDULE OF QUANTITIES

78008310 POLYUREA PAVEMENT MARKING TYPE II -LINE 4"

<u>LOCATION</u>	<u>Remark</u>	<u>FOOT</u>
Sta 1020 + 30 - 1929 + 96	Outside Edgeline EB & WB	181,932
Sta 1020 + 30 - 1929 + 96	Inside Edgeline EB & WB	181,932
TOTAL		363,864

78008330 POLYUREA PAVEMENT MARKING TYPE II -LINE 6"

<u>LOCATION</u>	<u>Remark</u>	<u>FOOT</u>
Sta 1020 + 30 - 1929 + 96	Centerline EB & WB	45,483
TOTAL		45,483

78008340 POLYUREA PAVEMENT MARKING TYPE II -LINE 8"

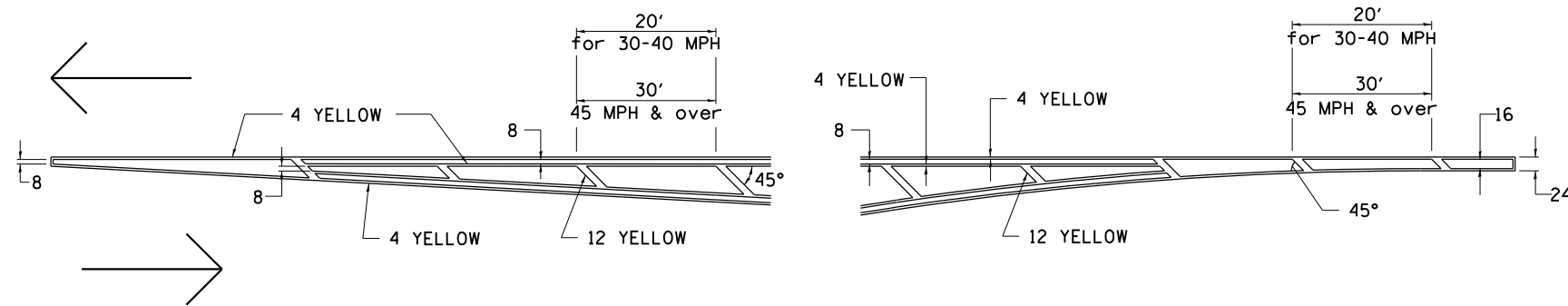
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	Edgeline at ramps 12 ramps at 1000 feet each approx.TBD by Engineer	12,000
TOTAL		12,000

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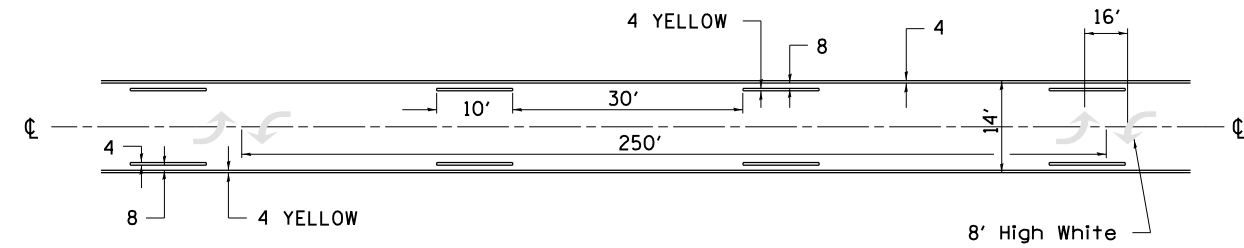
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		DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	80	(37-4.5.6)CJS	HENRY	11	7
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -		CONTRACT NO. 64M22										
	PLOT DATE = 5/17/2019	DATE -	REVISED -		ILLINOIS FED. AID PROJECT										

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

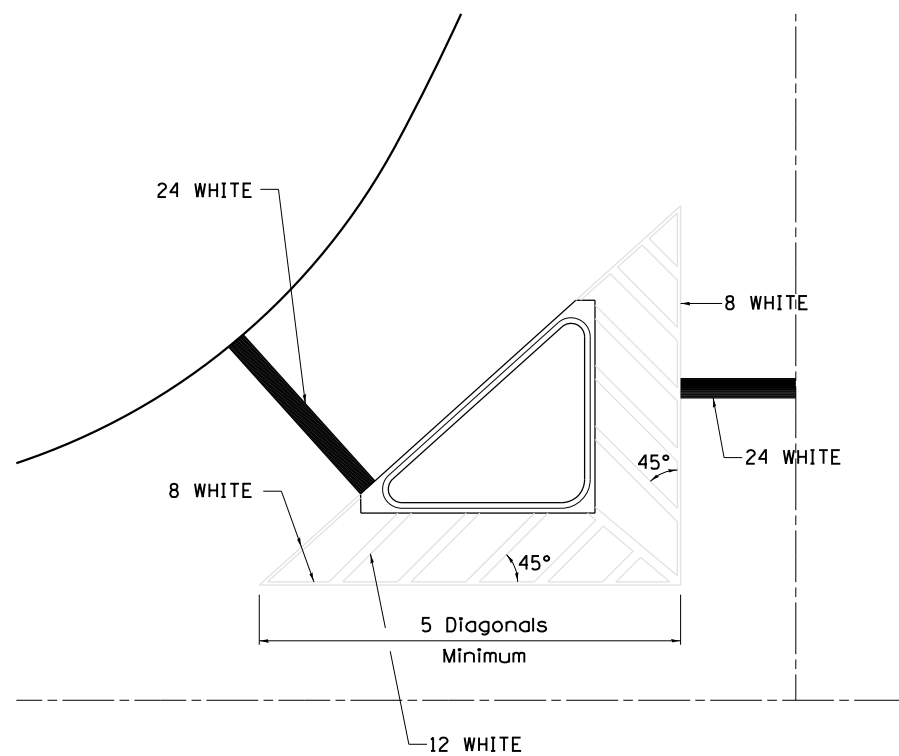


MEDIAN PAVEMENT MARKING



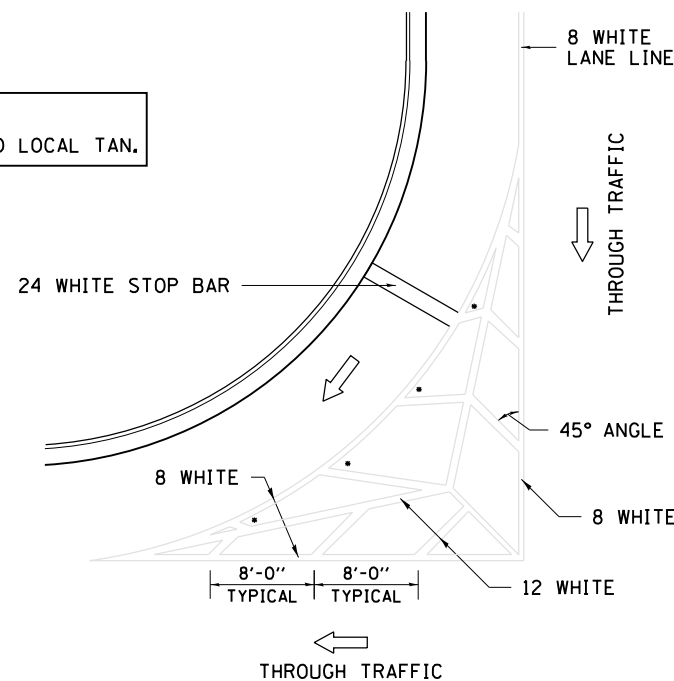
•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



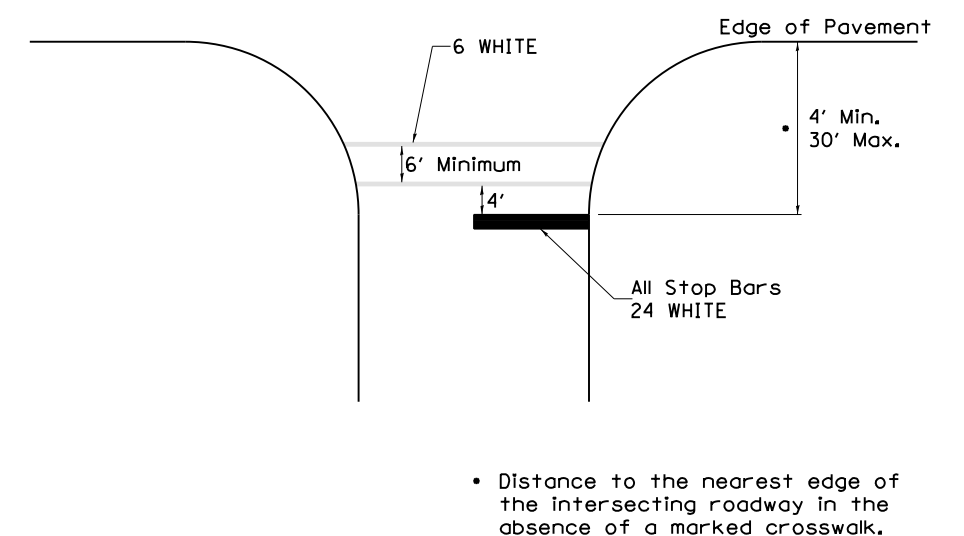
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

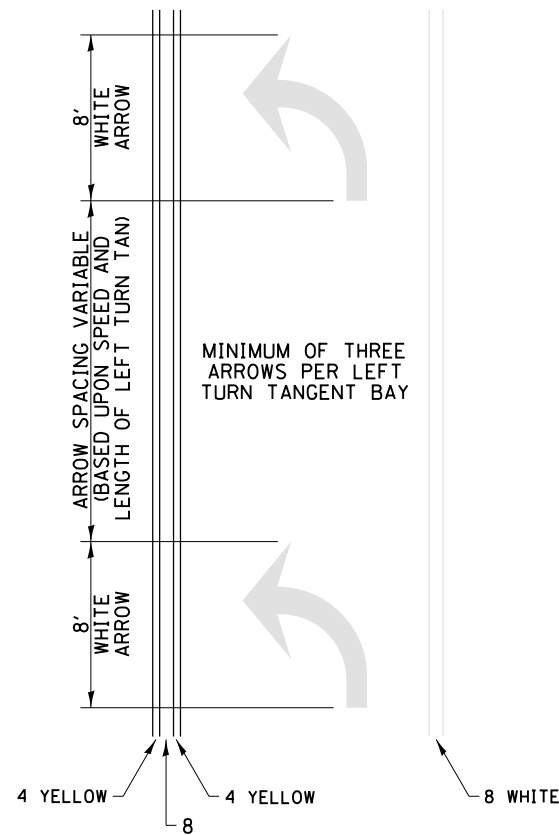
REGION 2 / DISTRICT 2 STANDARD

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(37-4,5,6)CRS	HENRY	11	9
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64M22	

TYPICAL PAVEMENT MARKINGS

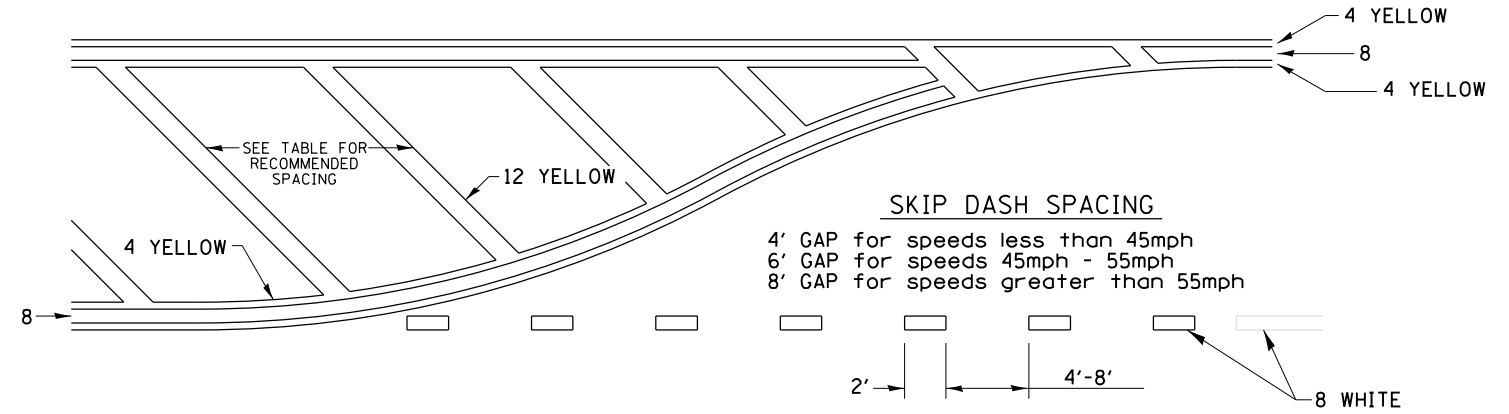
ARROW LAYOUT



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

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

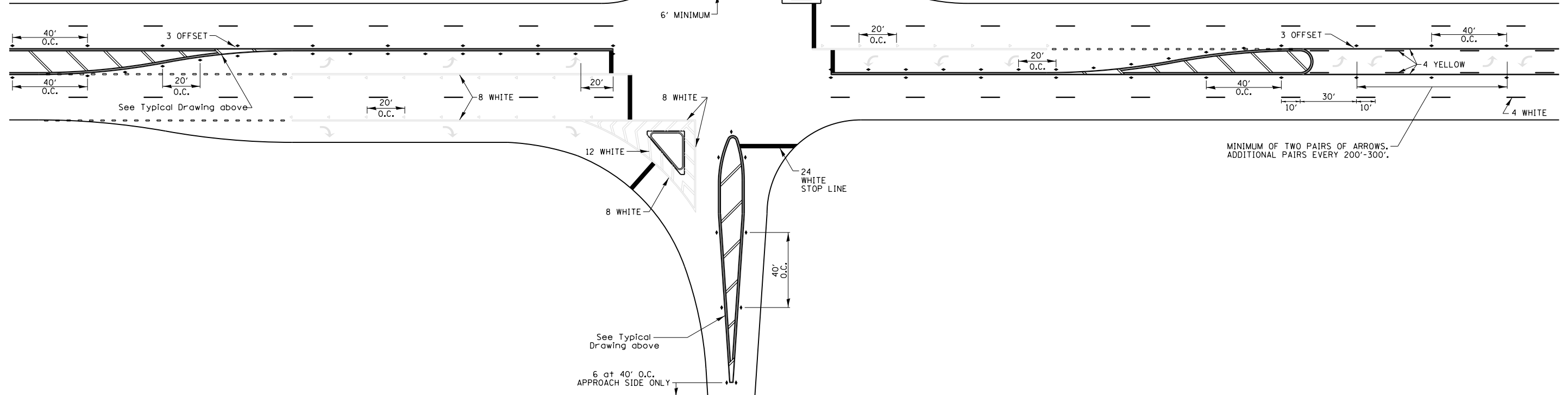
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



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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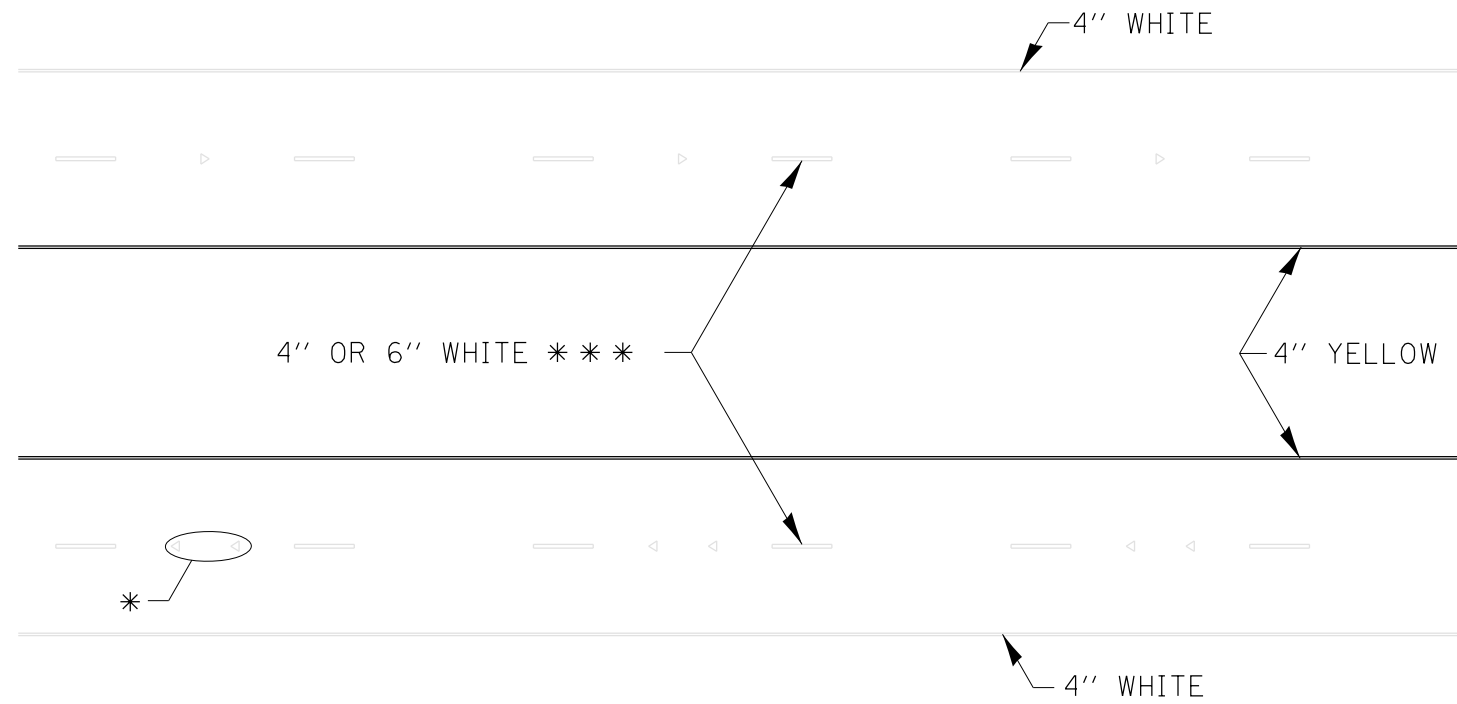
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

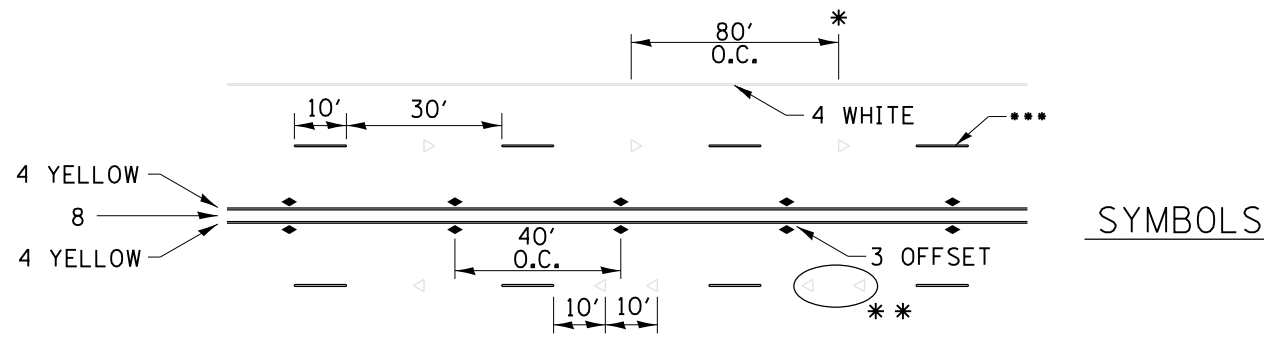
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80	(37-4,5,6)CRS	HENRY	11	10
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64M22	

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.

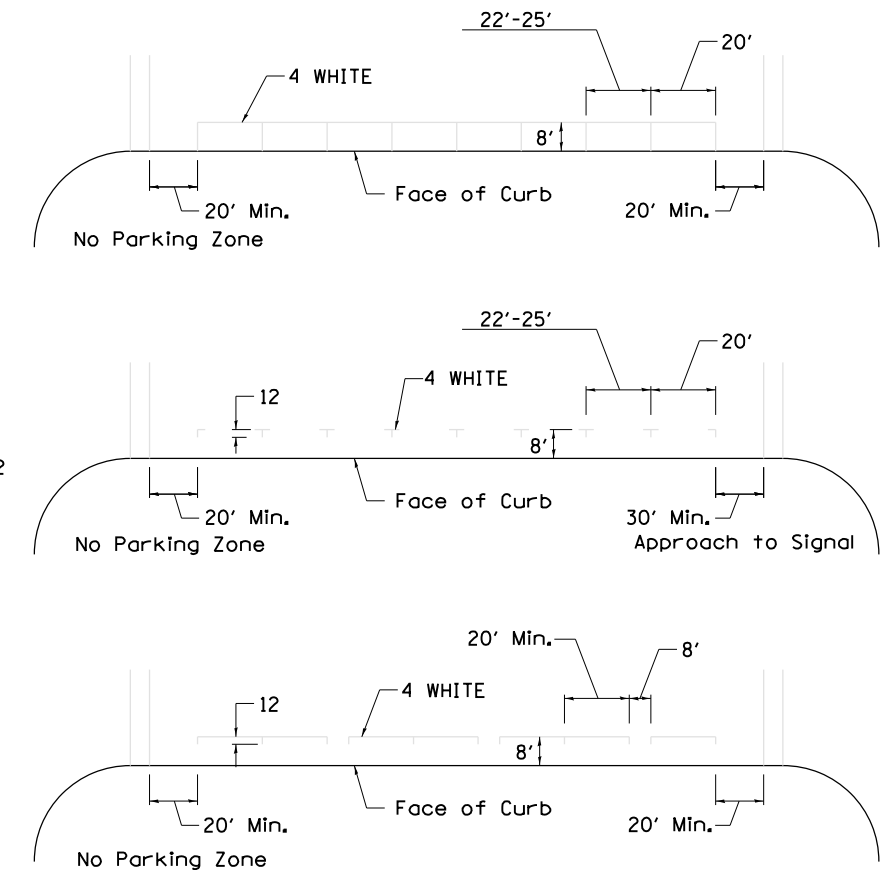
** USE DOUBLE MARKERS WHEN ADT ≥ 20,000

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

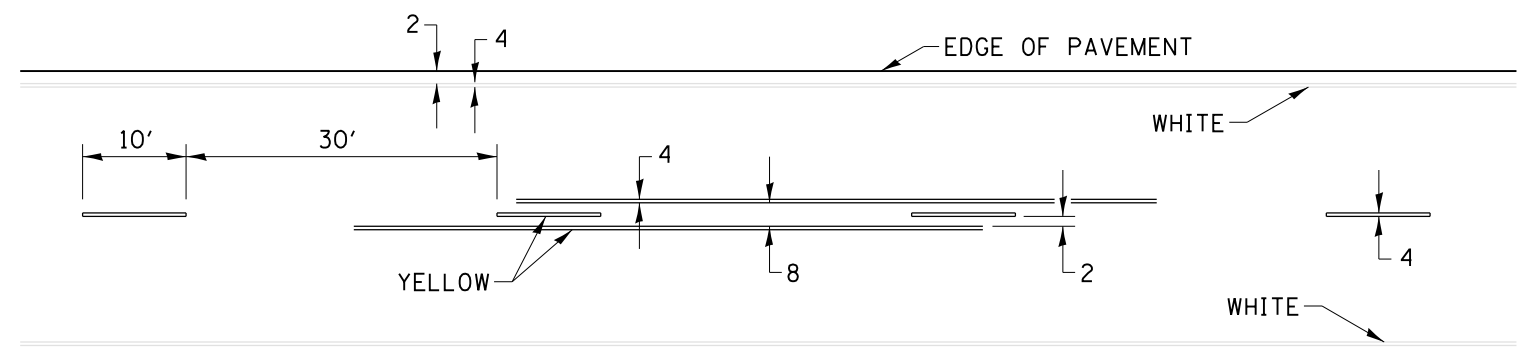
MULTI-LANE / UNDIVIDED & ONE WAY

(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



FILE NAME =	USER NAME = karkir	DESIGNED -	REVISED - 6-27-14
p:\planroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 2\Projects\64M22\Drawings\Development\Studies & Plans\Design\Sheet\64M22-12-sh1-details.dgn		DRAWN -	REVISED - 11-28-12
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(37-4,5,6)CRS	HENRY	11	11
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64M22	