

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

ROUTE FAP 309 (US 30 & IL 78)
SECTION (17R)PP
RESURFACING
WHITESIDE COUNTY

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	(17R)PP	WHITESIDE	8	1
		ILLINOIS	CONTRACT NO. 64T81	

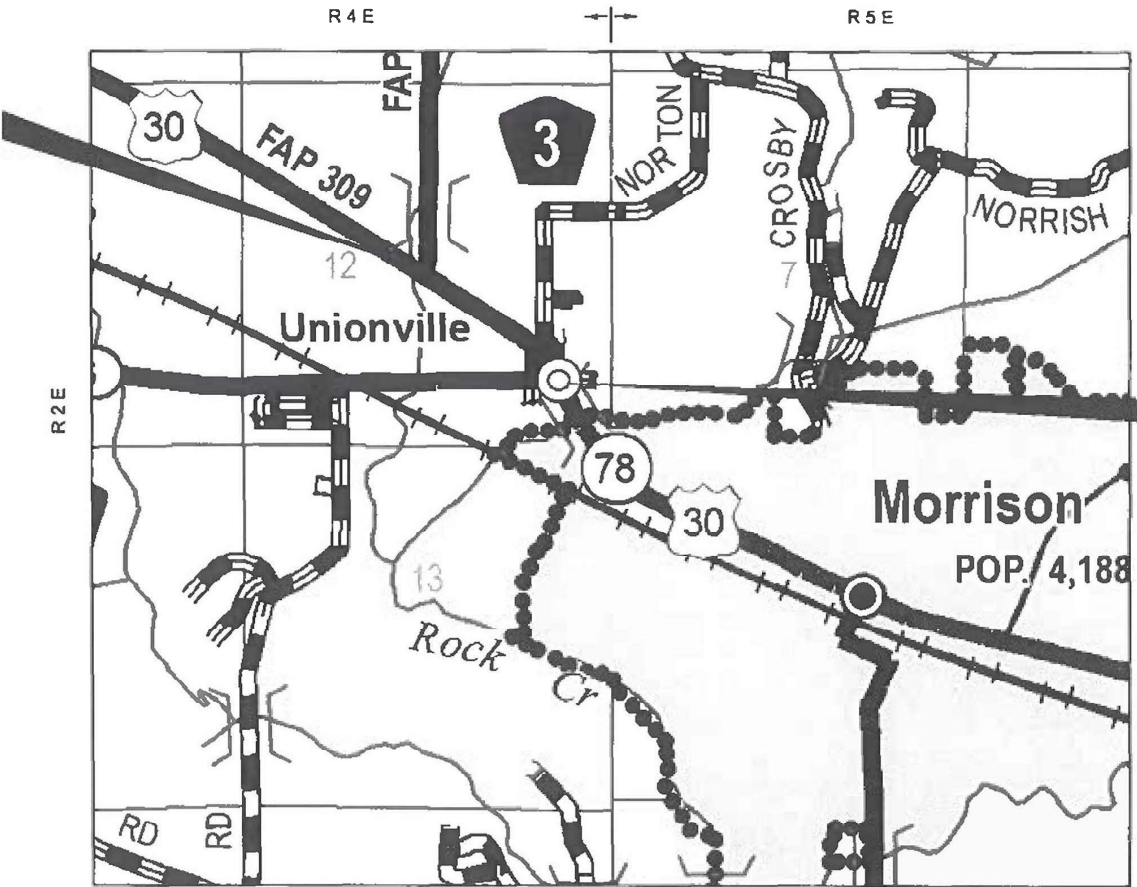
P-92-062-25



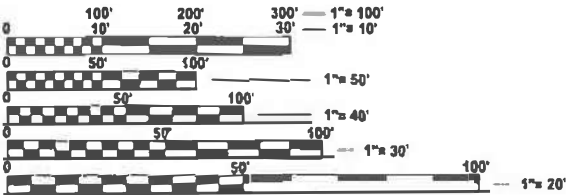
LOCATION OF SECTION INDICATED THUS: -

C-92-176-24

PROJECT BEGINS
STA. 590+80



PROJECT ENDS
STA. 617+28



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

GROSS LENGTH = 2,625 FT. = .5 MILES
NET LENGTH = 5,250 FT. = 1.0 MILE

PROJECT DESIGNER: NICK VOCK (815-440-1827)
CONTRACT NO. 64T81

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 12/5/2024
Trish Thompson REGIONAL ENGINEER

January 31, 2025
See E.A. Etk ENGINEER OF DESIGN AND ENVIRONMENT

January 31, 2025
Chapman 5 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, STANDARDS, GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	SCHEDULE OF QUANTITIES
5-8	D2 STANDARDS

HIGHWAY STANDARDS

420001-10	PAVEMENT JOINTS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
442101-09	CLASS B PATCHES
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY FROM PAVEMENT EDGE
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" AWAY FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS \geq 45 MPH
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY FOR SPEEDS \geq 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANBE INTERSECTION
701901-10	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

DISTRICT STANDARDS

41.1 TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

THE CONTRACTOR SHALL NOTIFY TRAFFIC OPERATIONS A MINIMUM OF 5 DAYS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.

WHEN LAYING OUT FOR PATCHING, THE MINIMUM DISTANCE BETWEEN NEW PATCHES (SAW CUT TO SAW CUT) SHALL BE 15 FEET. WHEN PATCH SPACING IS LESS THAN 15 FEET, THE PAVEMENT BETWEEN PATCHES SHALL ALSO BE REMOVED AND REPLACED.

CLASS B PATCH QUANTITIES ARE FOR CONTINGENCY USE ONLY. ONCE SURFACE IS MILLED THE ENGINEER WILL DETERMINE IF A PATCH IS REQUIRED.

IF IT IS DETERMINED THERE ARE PATCHES, CONTRACTOR SHALL ONLY REMOVE MATERIAL THAT CAN BE REPLACED THAT SAME DAY
ACCORDING TO ARTICLE 442.09 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE AREA TO BE TACKED OR PRIMED SHALL BE LIMITED TO THAT WHICH CAN BE COVERED WITH HMA ON THE NEXT DAYS PRODUCTION, BUT NO MORE THAN FIVE DAYS IN ADVANCE OF THE PLACEMENT OF THE HMA, UNLESS APPROVED BY THE ENGINEER.

Location and Mixture	Resurfacing
Uses(s):	Surface
PG:	PG 58-28
Design Air Voids	4.0 @ N70
Mixture Composition	IL 9.5
Friction Aggregate	D
Mix Weight	112 lb/sy/in
Quality Management Program	QC/QA
Sublot Size	N/A
Material Transfer Device	N/A

Polymerized Bituminous Materials (Tack Coat) - Application Rates *	
Surface Type	Residual Rate
Milled (HMA or PCC)	0.05 lb / sq ft
Existing Pavement	0.05 lb / sq ft
Fog Coat (between lifts)	0.05 lb / sq ft

*polymer tack shall be SS-1hP, or NTEA listed material

MODEL D2_SMT SCHEDULE
FILE NAME: j:\work\p2\cadd\p2\com\p2\DOT Documents\DOT Office\District 2\CRD Project\Whiteside\Operations\Contract Maintenance\FY 2025\64T81 - US 30 Resurfacing\CAD\sheet\64T81 - 03 - SQO.dgn

SUMMARY OF QUANTITIES				CONSTR. CODE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY
				0005
				NONE
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	4097	4097
40600370	LONGITUDINAL JOINT SEALANT	FOOT	3189	3189
40600901	HOT-MIX ASPHALT BINDER COURSE (HAND METHOD), N70	TON	50	50
40600990	TEMPORARY RAMP	SQ YD	41	41
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	1020	1020
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	9104	9104
44200050	WELDED WIRE REINFORCEMENT	SQ YD	40	40
44200994	CLASS B PATCHES, TYPE II, 12 INCH	SQ YD	27	27
44200998	CLASS B PATCHES, TYPE III, 12 INCH	SQ YD	40	40
44201299	DOWEL BARS 1 1/2"	EACH	80	80
44213200	SAW CUTS	FOOT	294	294
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1

SUMMARY OF QUANTITIES				CONSTR. CODE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY
				0005
				NONE
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	2	2
70300100	SHORT TERM PAVEMENT MARKING	FOOT	893	893
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	298	298
* 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	26	26
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	11196	11196
* 78001140	PAINT PAVEMENT MARKING - LINE 8"	FOOT	305	305
* 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	190	190
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	32	32
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	70	70
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	18	18

*= SPECIALTY ITEM

MODEL: D02_SMT FILE NAME: j:\work\p2\cadd\p2\com\p2\DOT Documents\DOT Office\District 2\CRD Project\Whiteside\Operations\Contract Maintenance\FY 2025\64T81 - US 30 Resurfacing\CAD\sheet\64T81 - 03 - SQO.dgn	USER NAME = Nicholas,Vock	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES					F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							309	(17R)PP	WHITESIDE	8	3
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -							CONTRACT NO. 64T81				
	PLOT DATE = 1/14/2025	DATE -	REVISED -							ILLINOIS FED.AID PROJECT				
						SCALE:	SHEET	OF	SHEETS	STA.	TO STA.			

MODEL_P2_SHT_S00
FILE NAME: j:\work\p2\jhu\com\PA\DOT\Documents\DOT Office\District 2\CRD Projects\Operations\Maintenance Section\Dan Tobin\Whiteside\Operations\Contract Maintenance\FY 2025\64T81 - US 30 Resurfacing\CAD\Drawings\64T81 - 04 - Schedule.dgn

78001100 PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS

SQ FT	LOCATION	OFFSET	REMARKS
26	592+46 - 593+46	RT	Rt Turn Arrows (2)
26	TOTAL		

78001110 PAINT PAVEMENT MARKING - LINE 4"

FOOT	LOCATION	OFFSET	REMARKS
5296	590+80 - 617+28		US 30 Centerline (Dbl Yellow)
5296	590+80 - 617+28	RT/LT	US 30 EOP (White)
604	1036+36 - 1037+87	RT/LT	IL 78 Flush Median (Dbl Yellow)
11,196	TOTAL		

78001140 PAINT PAVEMENT MARKING - LINE 8"

FOOT	LOCATION	OFFSET	REMARKS
150	591+76 -	RT	Typ. Island Shoulder (white)
100	592+46 - 593+46	RT	Rt Turn bay turkey Tracks (White)
55	593+46 - 595+10		Rt Turn bay (White)
305	TOTAL		

78001150 PAINT PAVEMENT MARKING - LINE 12"

FOOT	LOCATION	OFFSET	REMARKS
150	591+76 -	RT	Typ. Island Shoulder (white)
40	1036+36 - 1037+87	RT/LT	Painted Median Diagonals (Yellow)
190	TOTAL		

78001180 PAINT PAVEMENT MARKING - LINE 24"

FOOT	LOCATION	OFFSET	REMARKS
12	1036+36		IL 78 stop
20	1036+36		IL 78 stop
32	TOTAL		

78100100 RAISED REFLECTIVE PAVEMENT MARKER

EACH	LOCATION	OFFSET	REMARKS
66	590+80 - 617+28	RT/LT	Amber (verify in field 1 or 2 way)
4	593+46 - 595+10	RT/LT	white (turn lane)
70	TOTAL		

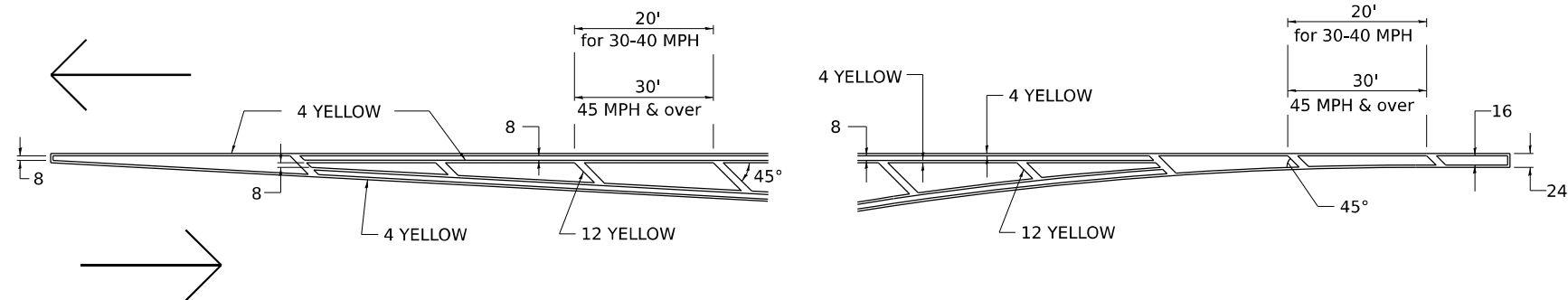
78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

EACH	LOCATION	OFFSET	REMARKS
18	590+80 - 617+28	RT/LT	
18	TOTAL		

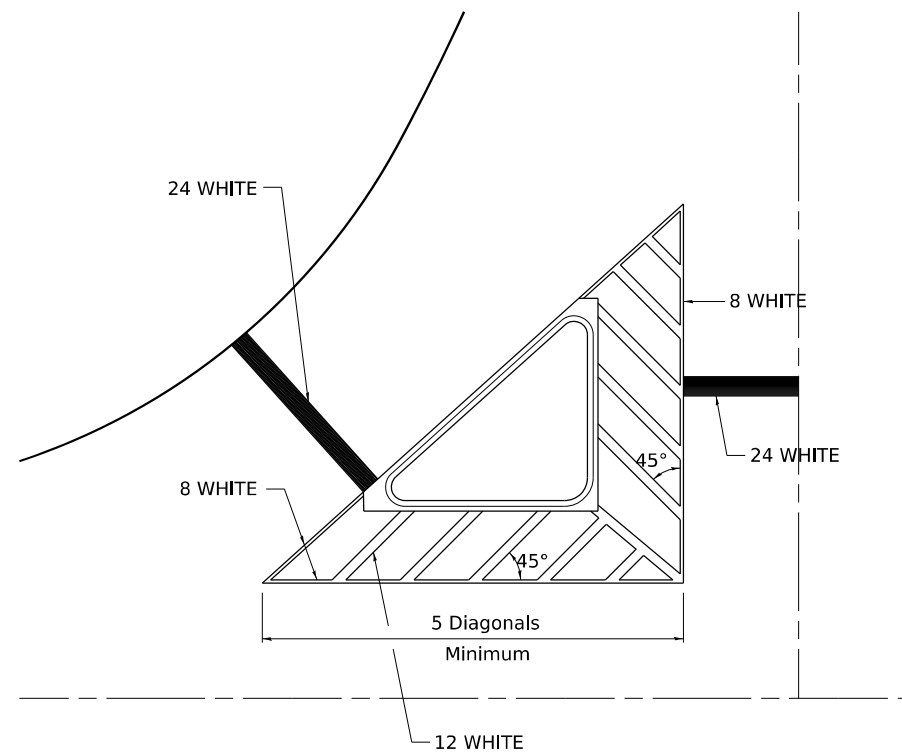
												40600990	40600295	40600370	40600901	40604050	44000155	70300100	70300150
												Temporary	Poly	Longitudinal	Hot-Mix Asphalt	Hot-Mix Asphalt	Hot-Mix Asphalt	Short	Work Zone
												Proposed Surface	Ramp	Bituminous	Joint	Blinder Course	Surface Course	Surface Removal	Term Pavt
														Materials	Sealant	Hand Method, N70	IL-9.5, Mix "D", N70	2"	2"
														Tack Coat				Marking	Pavement Removal
												Width	Sq Yd	Sq Yd	POUND	Foot	TON	Sq Yd	Foot
																As Needed			
US 30																			
Lt & Rt Sta	590	+	80	-	617	+	28	HMA	2648	25	7356	27	3310	2648			824	7356	741.4
Rt TL	596	+	0		5				300	12	400		180	300			45	400	84.0
IL 78																			
Lt & Rt Sta	1036	+	36	-	1038	+	77	HMA	241	VAR.	1349	14	607	241			151	1349	67.5
TOTALS									3189			41	4,097	3,189	50	1,020	9,104	893	298

	USER NAME = Nicholas,Vock	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						309	(17R)PP	WHITESIDE	8	4
	PLOT SCALE = \$SCALES	CHECKED -	REVISED -						CONTRACT NO. 64T81				
	PLOT DATE = 1/14/2025	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.			

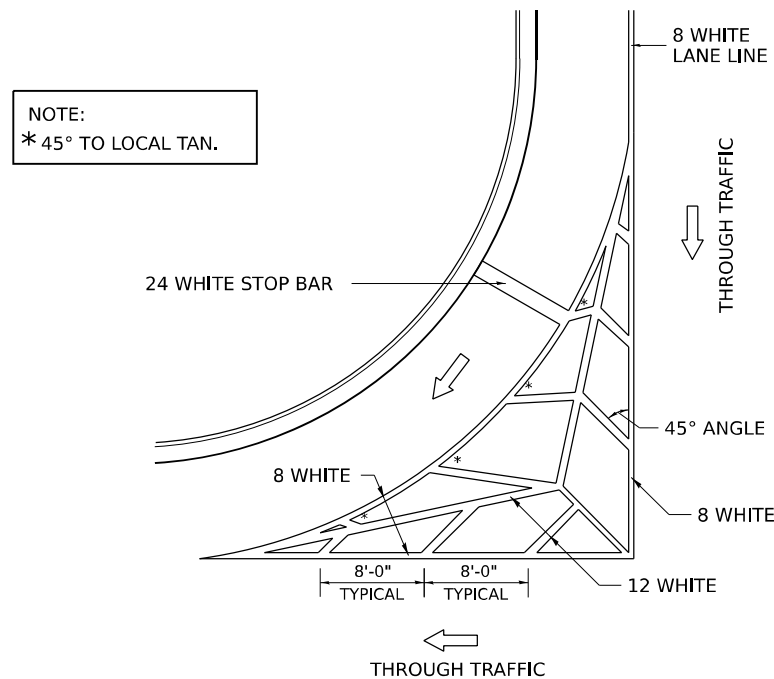
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE



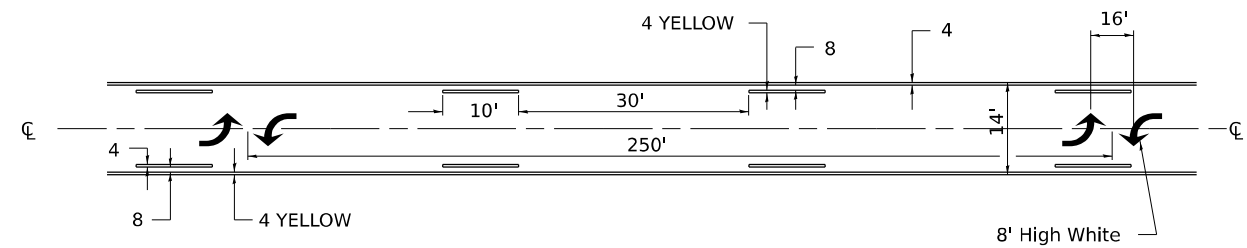
TYPICAL ISLAND OFFSET SHOULDER WIDTH



TYPICAL MARKING FOR PAINTED ISLANDS



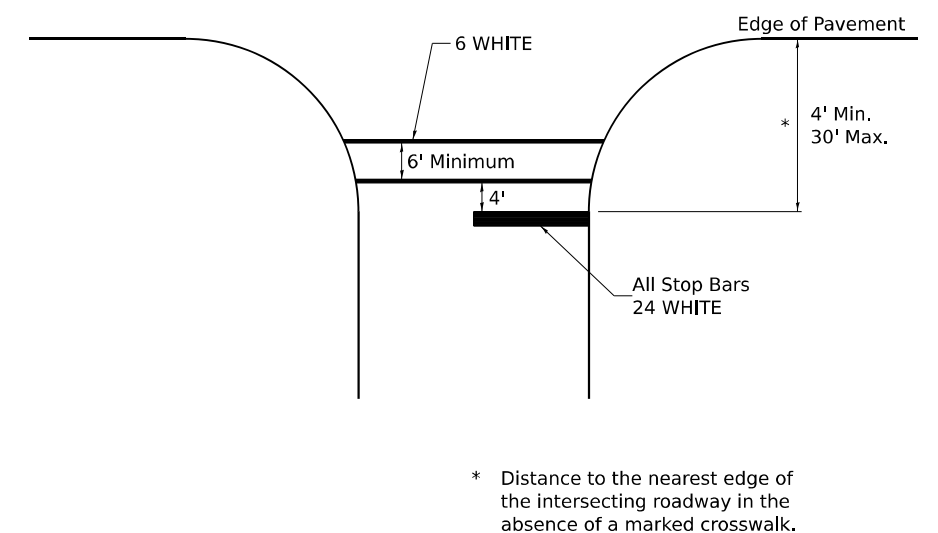
MEDIAN PAVEMENT MARKING



**** ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.**

STANDARD CROSSWALK MARKING

See Schedules for Locations



USER NAME = Nicholas Vock	DESIGNED -	REVISED - 6-27-14
	DRAWN -	REVISED - 3-05-12
PLOT SCALE = \$Scales	CHECKED -	REVISED -
PLOT DATE = 12/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

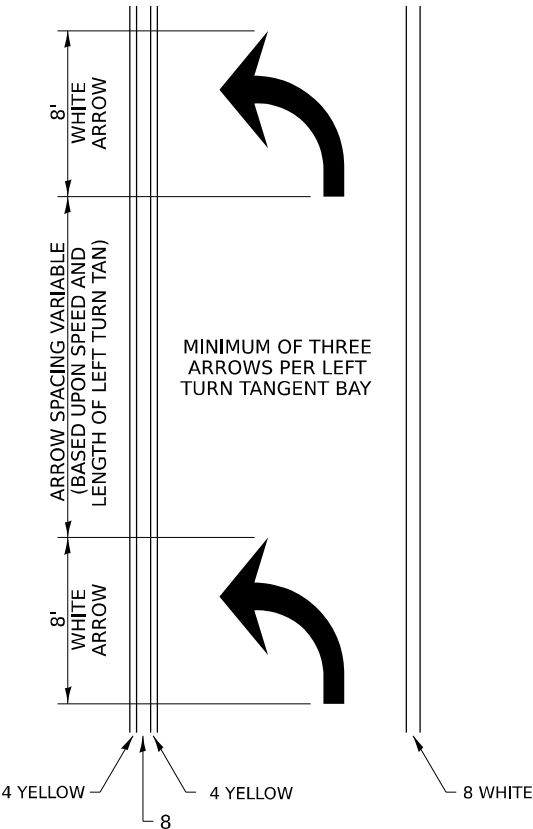
REGION 2 / DISTRICT 2 STANDARD

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
--------	-------	----	--------	------	---------

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	(17R)PP	WHITESIDE	8	5
		CONTRACT NO. 64T81		
		ILLINOIS	FED. AID PROJECT	

TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT

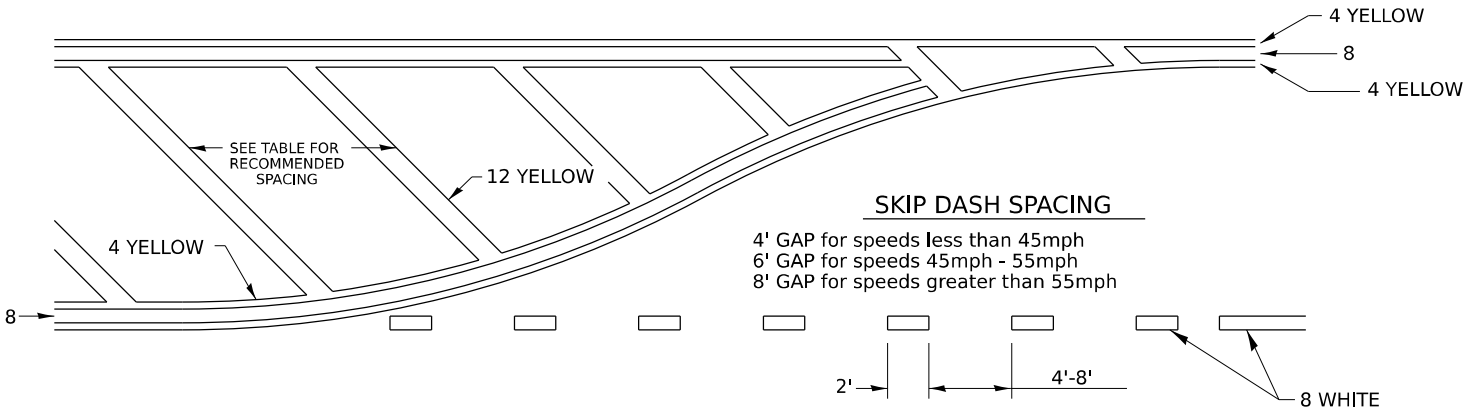


SYMBOLS

- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER
- TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE NOTED.

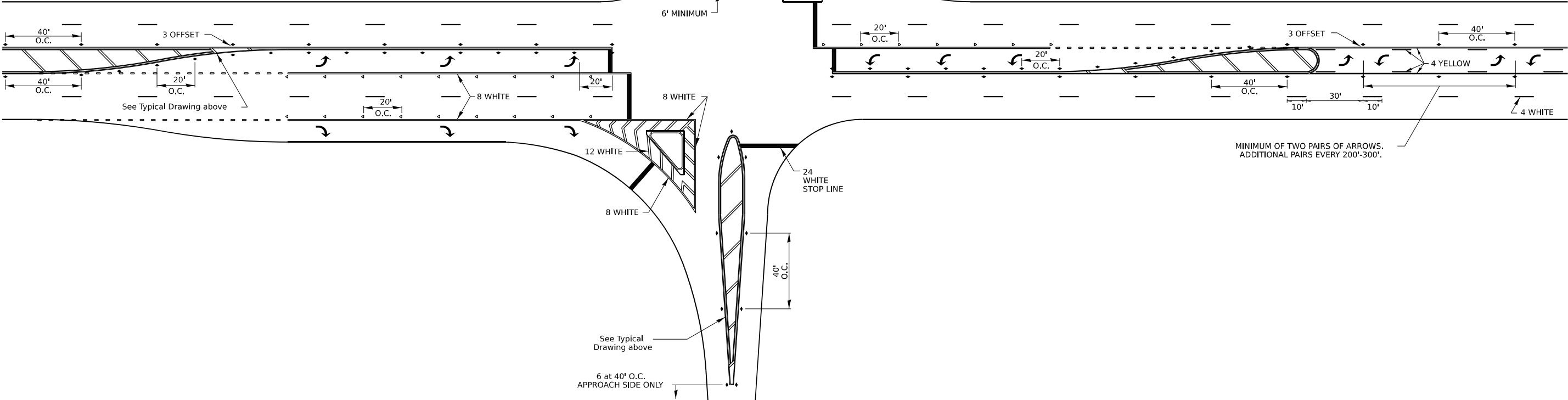
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



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.



MODEL: PD STANDARD 41.1-2
FILE NAME: pro\Bossey\2024\DOT Office\District 2\CRD Project\Operations\Maintenance Section\Dan Tobin\Whiteside\Operations\Contract Maintenance\FY 2024\64T81 - US 30 Resurfacing\CAD\Drawings\64T81 - 05-09 - Standards.dgn

USER NAME = Nicholas,Vock	DESIGNED -	REVISED - 6-27-14
	DRAWN -	REVISED - 3-05-12
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 12/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

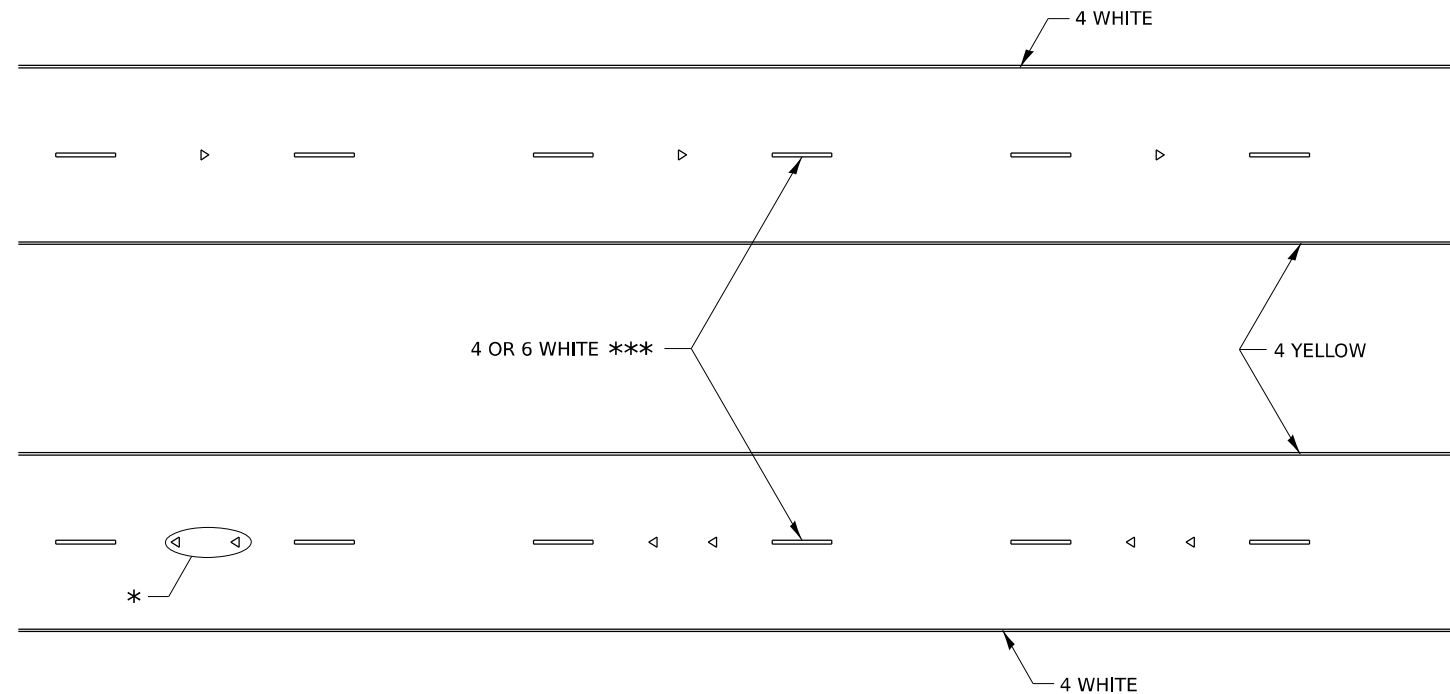
DISTRICT
STANDARD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	(17R) PP	WHITESIDE	8	6
CONTRACT NO. 64T81				
ILLINOIS FED. AID PROJECT				

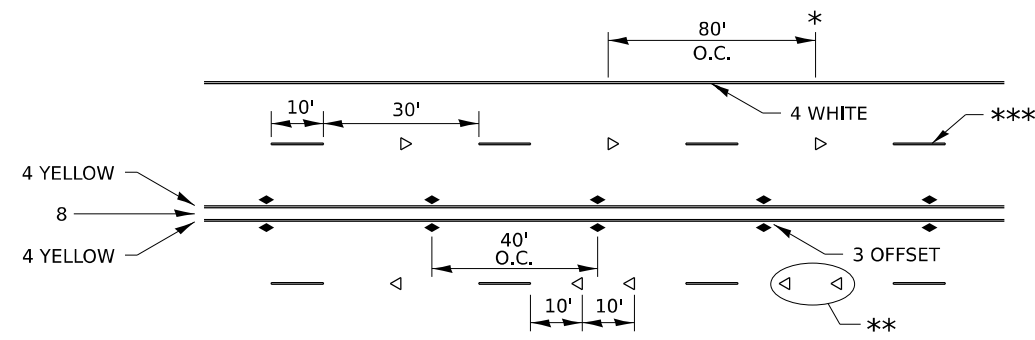
TYPICAL PAVEMENT MARKINGS

TYPICAL PARKING SPACING



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

MULTI-LANE / DIVIDED



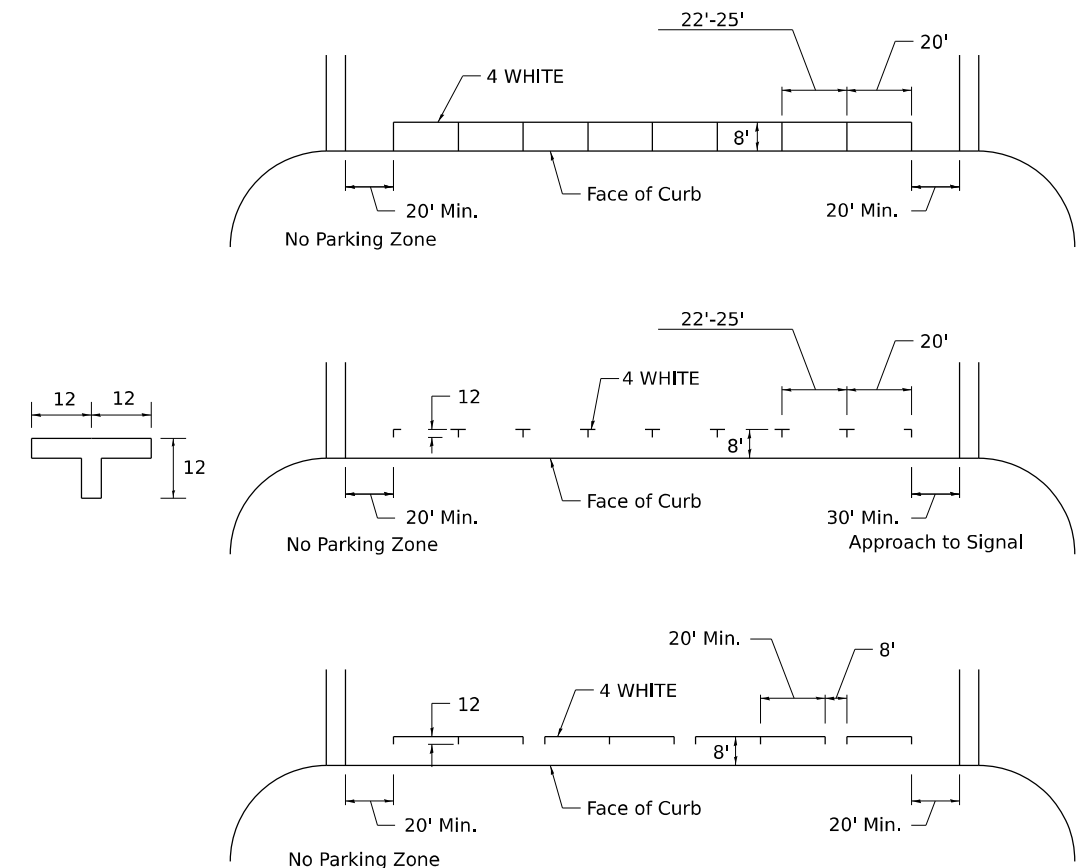
* REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.

**** USE DOUBLE MARKERS WHEN ADT $\geq 20,000$**

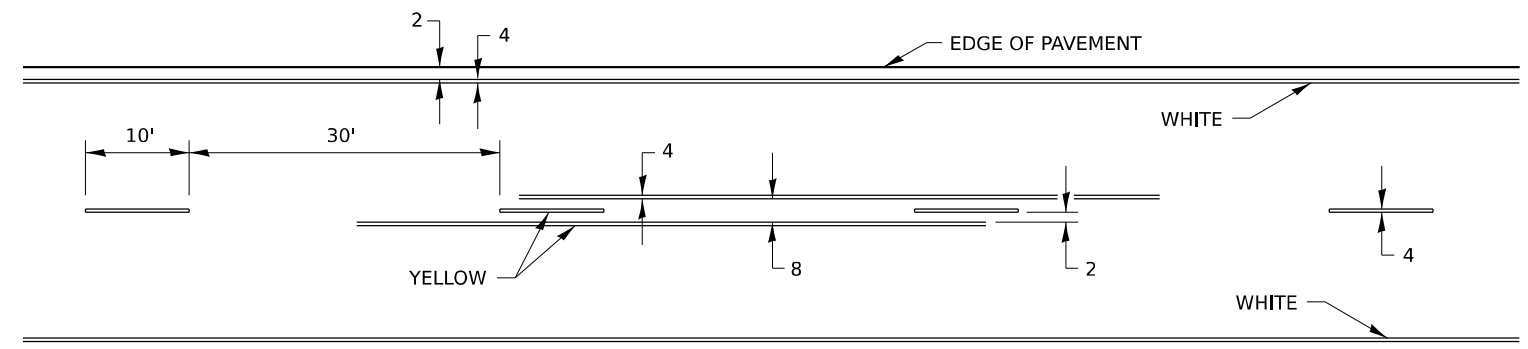
*** CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT
LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND
OVER USE 6" LINE.

MULTI-LANE / UNDIVIDED & ONE WAY

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



TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



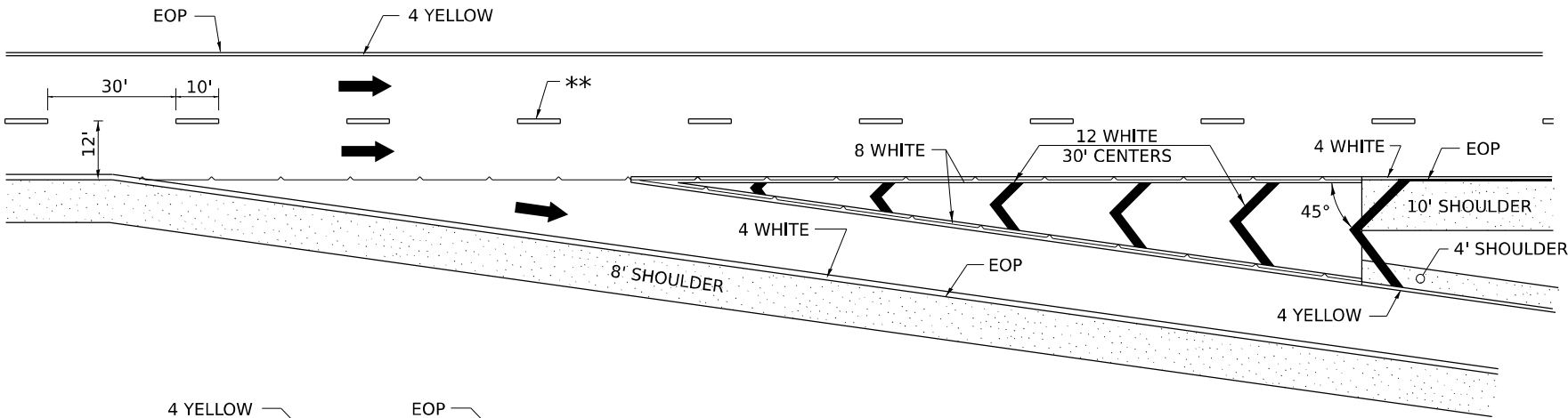
FILE NUMBER: 309	USER NAME = Nicholas,Vock	DESIGNED -	REVISED - 6-27-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED - 8-27-13						309	(17R) PP	WHITESIDE	8	7	
	PLOT SCALE = \$SCALES	CHECKED -	REVISED - 11-28-12						CONTRACT NO. 64T81					
	PLOT DATE = 12/10/2024	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.				
					ILLINOIS FED.AID PROJECT									

TYPICAL PAVEMENT MARKINGS

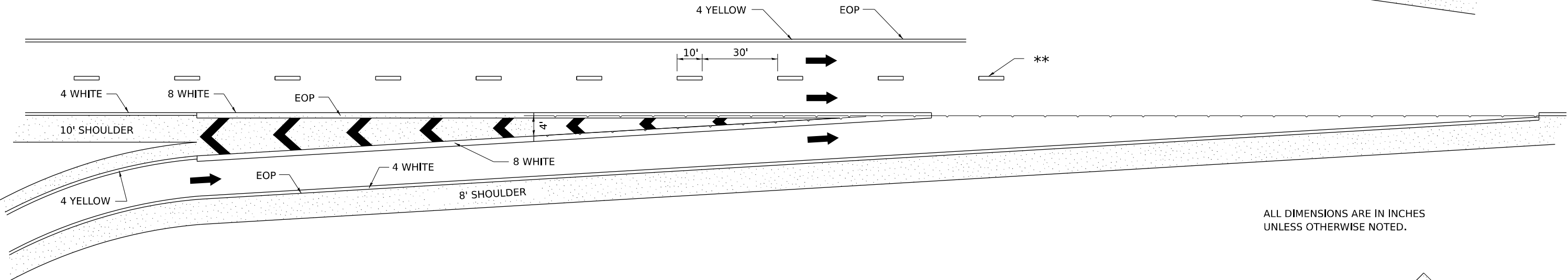
** 6" WHITE ON INTERSTATES, WHERE THE SPPED LIMIT IS 65 MPH, OR WHEN DIRECTED BY THE ENGINEER.
4" WIDE AT ALL OTHER LOCATIONS.

NOTE: GORE HATCHING PLACED ONLY WHEN SCHEDULED IN THE PLANS

EXIT RAMP

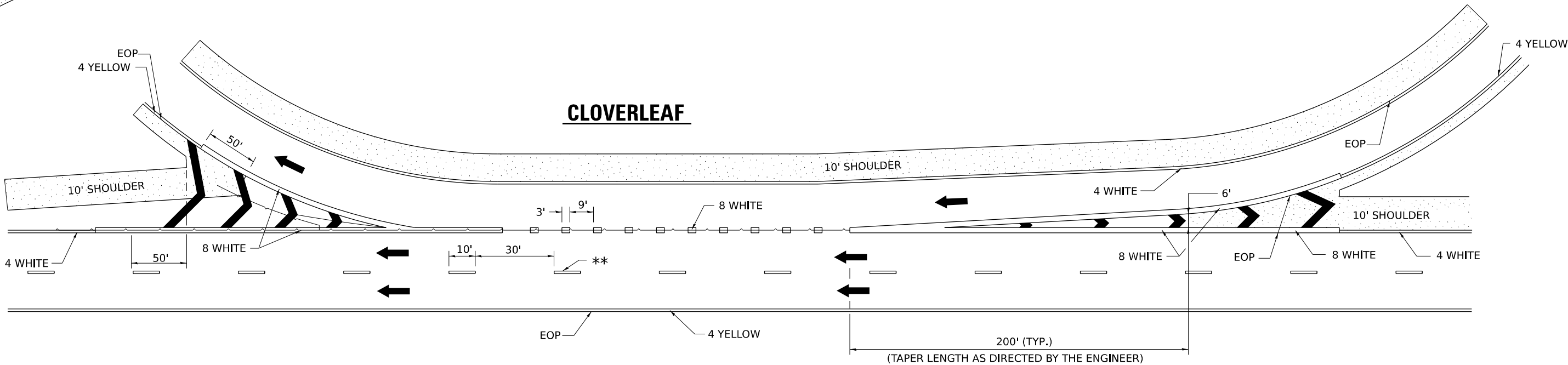


ENTRANCE RAMP



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

CLOVERLEAF



MODEL: PD STANDARD 41.1-4
FILE NAME: p:\bids\p2\com\p2\DOT\Office\Chief 2\CRD Projects\Operations\Maintenance Section\Dan Tobin\WhiteSide\Operations\Contract Maintenance\FY 2024\64T81 - US 30 Resurfacing\CAD\Drawings\64T81 - 05-08 - Standards.dgn

USER NAME	= Nicholas,Vock	DESIGNED	-	REVISED	-	9-15-23
		DRAWN	-	REVISED	-	8-27-13
PLOT SCALE	= \$SCALE\$	CHECKED	-	REVISED	-	10-18-11
PLOT DATE	= 12/10/2024	DATE	-	REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	(17R) PP	WHITESIDE	8	8
CONTRACT NO. 64T81				
ILLINOIS FED. AID PROJECT				