03-07-2025 LETTING ITEM 139

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

ROUTE FAU 5788 (AIRPORT RD) SECTION (33&40) - 1RS RESURFACING ROCK ISLAND COUNTY

C-92-175-24

RIOCK I,S L A N D

ROCK IS LA N D

ROCK IS LA

PROJECT ENDS STA. 129+64

D-92-056-25



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED

12/5

2024

Trisle Thomason and Regional Engineer

Jaquary 31 20 25

ENGINEER OF RESIGN AND ENVINONMENT

January 31 20 25

DIRECTOR OF HIGHWAYS PROJECT INFLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

0 100° 200° 300° 1°= 100° 0 10° 20° 30° 1°= 10° 0 50° 100° "= 50° 0 50° 1.00° 1.00° 1 1 20°

PROJECT BEGINS

STA. 113+64

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 DESIGNER: NICK VOCK (815-440-1827)
CONTRACT NO. 64T82

GROSS LENGTH = 3,200 FT. = .6 MILES NET LENGTH = 1,600 FT. = .3 MILE

INDEX OF SHEETS

- COVER SHEET
- INDEX OF SHEETS, STANDARDS, GENERAL NOTES 2
- 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 ≥ 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
701901-10	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

DESIGNED -

CHECKED -

DRAWN

DATE

DISTRICT STANDARDS

REVISED -

REVISED -

REVISED -

REVISED -

41.1 TYPICAL PAVEMENT MARKINGS

USER NAME = Nicholas.Vock

PLOT SCALE = \$SCALE\$

PLOT DATE = 12/12/2024

GENERAL NOTES

CONTRACTOR TO NOTE THAT STATIONS IN PLANS WERE BASED OFF OF STATION STAMPS IN PAVEMENT. CONFIRM LOCATIONS PRIOR TO WORK, CONTACT STEPHANIE MCKMEEKAN AT (815) 677-5282 WITH ANY ISSUES LAYING OUT PAVEMENT MARKINGS.

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

CONTRACTOR TO CONFIRM IF AMBER RAISED REFLECTORS ARE 1 WAY OR 2 WAY IN THE FIELD PRIOR TO REMOVAL AND REPLACEMENT.

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 CONTIGENCY 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 RE SHALL CONTACT STEPHANIE McKMEEKAN AT (815) 677-5282 FOR PATCHING LAYOUT.

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 @ N50
Mixture Composition	IL 9.5
Friction Aggregate	С
Mix Weight	112 lb/sy/in
Quality Management	QC/QA
Program	QC/QA
Sublot Size	N/A
Material Transfer Device	N/A

Vi.								
Polymerized Bituminous M	aterials (Tack							
Coat) - Application F	ates *							
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-:	*polymer tack shall be SS-1hP, or NTEA							
listed materia	1							

SCALE:

STATE OF ILLINOIS

				CONSTR. CODE
	SUMMARY OF QUANTITIES			100% STATE
			ĺ	ROADWAY
CODE			TOTAL	0005
NO.	ITEM	UNIT	QUANTITY	NONE
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	3740	3740
40600370	LONGITUDINAL JOINT SEALANT	FOOT	50	50
40600900	HOT MIV ASPUALT BINDER COLIDSE (HAND METHOD), NEO	TON	50	50
40600900	HOT-MIX ASPHALT BINDER COURSE (HAND METHOD), N50	TON	50	50
40600990	TEMPORARY RAMP	SQYD	50	50
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	931	931
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	8311	8311
44200050	WELDED WIRE REINFORCEMENT	SQYD	159	159
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	54	54
44200074	CLACC D DATCHEC TYPE III 40 INCH	SOVD	20	20
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	32	32
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQYD	127	127
44201299	DOWEL BARS 1 1/2"	EACH	200	200
44213200	SAW CUTS	FOOT	684	684
44213204	TIE BARS 3/4"	EACH	18	18
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	152	152

	SUMMARY OF QUANTITIES		_	100% STATE
			TOTAL	ROADWAY
CODE	1774		TOTAL	0005
NO.	ITEM	UNIT	QUANTITY	NONE
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	2	2
70300100	SHORT TERM PAVEMENT MARKING	FOOT	448	448
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	149	149
78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	156	156
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	14108	14108
78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	244	244
78001140	PAINT PAVEMENT MARKING - LINE 8"	FOOT	1466	1466
78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	238	238
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	114	114
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	89	89

^{*=} SPECIALTY ITEM

SCALE:

USER NAME = Nicholas.Vock	DESIGNED -	REVISED _	
	DRAWN -	REVISED _	
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	
PLOT DATE = 12/12/2024	DATE _	REVISED _	

PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS 78001100 SQ FT **LOCATION OFFSET REMARKS** 47 RT Lt Turn Arrows (3) 113+38 - 115+16 117+44 - 120+55 RT Lt Turn Arrows (4) 47 121+55 - 123+24 RT Lt Turn Arrows (3) 156 SUB TOTAL **x2** applications 312 TOTAL PAINT PAVEMENT MARKING - LINE 4" **FOOT** LOCATION **OFFSET REMARKS** 3200 White edle line 113+64 - 129+64 1472 114+27 - 121+63 RT/LT double yellow 376 122+53 124+41 RT/LT double yellow 1876 124+41 - 129+10 RT/LT median 130 129+10 129+75 RT/LT double yellow 7,054 **SUB TOTAL x2** applications 14,108 TOTAL PAINT PAVEMENT MARKING - LINE 8" 78001140 FOOT **LOCATION OFFSET REMARKS** 178 113+38 - 115+16 LT Lt Turn (white) 52 115+16 - 117+25 LT Turkey tracks (white) RT 319 117+38 120+57 Lt Turn (white) 46 115+55 - 117+38 RT Turkey tracks (white) 174 121+53 - 123+27 LT Lt Turn (white) 34 123+27 - 124+63 LT Turkey tracks (white) SUB TOTAL 803 **x2** applications 1,606 TOTAL 78001150 PAINT PAVEMENT MARKING - LINE 12" FOOT **LOCATION** <u>OFFSET</u> **REMARKS** RT 119 123+62 - 128+00.0 Painted Median Diagonals (Yellow) SUB TOTAL 119 **x2** applications 238 TOTAL 78100100 RAISED REFLECTIVE PAVEMENT MARKER **EACH** LOCATION **OFFSET REMARKS** 95 RT/LT 113+64 - 129+64.0 Amber (verify in field 1 or 2 way) 19 113+64 - 129+65.0 RT/LT white (turn lanes) 114 TOTAL RAISED REFLECTIVE PAVEMENT MARKER REMOVAL 78300200

EACH

89

89

LOCATION

TOTAL

113+64 - 129+64.0

PAVING SCHEDULE

										40600990	40600295	40600370	40600900	40604050	44000157	70300100	70300150	48102100
				N. 11 11 11 11 11 11 11 11 11 11 11 11 11						Temporary	Poly	Longitudinal	Hot-Mix Asphalt	Hot-Mix Asphalt	Hot-Mix Asphalt	Short	Work Zone	Aggregate
								Pro	oosed	Ramp	Bituminous	Joint	Binder Course	Surface Course	Surface	Term	Pavement	Wedge
Lo	cation					Remarks	Length	Su	face		Materials	Sealant	Hand Method, N50	IL-9.5, Mix "C", N50	Removal	Pavt	Marking	Shoulder
					TT						Tack Coat			2"	2"	Marking	Removal	Ту. В
								Width	Sq Yd	Sq Yd	POUND	Foot	TON	TON	Sq Yd	Foot	Sq Ft	Ton
													As Needed					
Airport Road																		
RT & LT Stations	113	+ 6	4 -	115	+ 64	HMA	200	56	1244	31	560	200		139	1244	56.0	18.7	19.0
RT & LT Stations	115	+ 6	4 -	125	+ 64	HMA	1000_	48	5333		2400	1000		597	5333	280.0	93.3	94.9
RT & LT Stations	125	+ 6	4 -	126	+ 64	HMA	100	45	500		225	100		56	500	28.0	9.3	9.5
RT & LT Stations	126	+ 6	4 -	127	+ 64	HMA	100	41	456		205	100		51	456	28.0	9.3	9.5
RT & LT Stations	127	+ 6	4 -	128	+ 64	HMA	100	36	400		180	100		45	400	28.0	9.3	9.5
RT & LT Stations	128	+ 6	4 -	129	+ 64	HMA	100	34	378	19	170	100		42	378	28.0	9.3	9.5
TC	TOTALS				1600			50	3,740	1,600	50	931	8,311	448	149	152		

PATCHING SCHEDULE

FIELD INP	UT AREA		44200	970.0	44200	974.0	44200	976.0	44213200	44201299	44213204	44200050
	LENGTH OF PAT		TYP	E 2	TYPE 3		TYPE 4					WELDED
LOCATION	WB LANE (ft)	EB LANE (ft)	WB LANE (yd²)	EB LANE (yd²)	WB LANE (yd²)	EB LANE (yd²)	WB LANE (yd²)	EB LANE (yd²)	SAW CUTS	DOWEL BARS (each)	TIE BARS (each)	WIRE REINF. (yd²)
113+64	20	20	-	8	-	-	42	42.2	172	40	9	84.4
113+64 center lane	20		177	<u>-</u>	-	-	42	-	96	20	9	42.2
116+64	8	8	10.7	10.7	-	-	-	-	112	40	21	-
116+64 center lane	8		10.7	=:	=	-	-	-	60	20	-	=
129+34	8	8	10.7	10.7	-	-		15.	112	40	-	-
129+64	12	12	r=	===	16.0	16.0	-	-	132	40	-	32.0
				-	-	-	-	-	-	E1	=	=
			-		-	-	-	-	-	=	=	÷
lotal			32.0	21.3	16.0	16.0	84.4	42.2	684	200	18	158.7

SCALE:

SHEET

USER NAME = Nicholas Vock	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 12/12/2024	DATE -	REVISED -

<u>OFFSET</u>

RT/LT

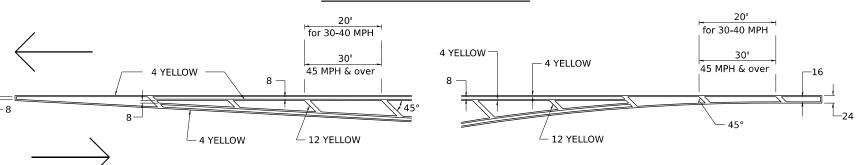
REMARKS

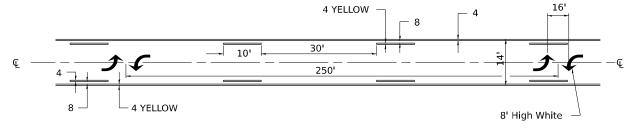
						F.A.U RTE	SECT	ION		COUNTY	TOTAL SHEETS	SHEET NO.
	SCHEDULE OF QUANTITIES					5788	(33&40)-1RS			ROCK ISLAND	8	4
										CONTRACT	NO. 64	Г82
-	OF	SHEETS	STA.	TO	STA.			ILLINOIS	FED. AI	D PROJECT		

TYPICAL PAVEMENT MARKINGS

MEDIAN PAVEMENT MARKING

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE



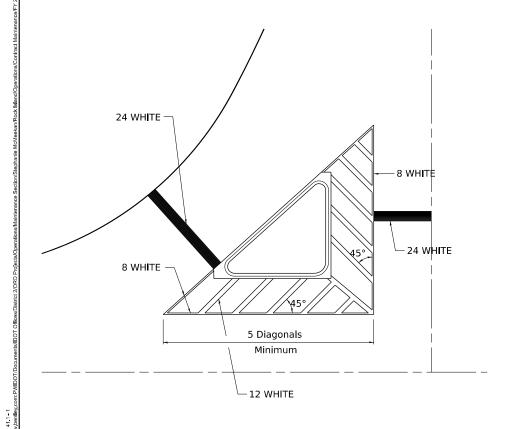


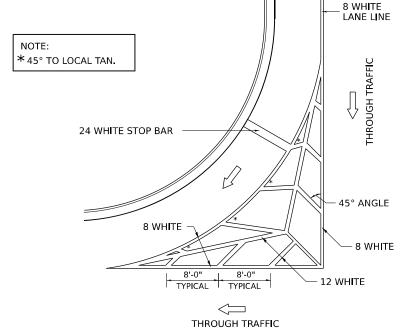
** ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

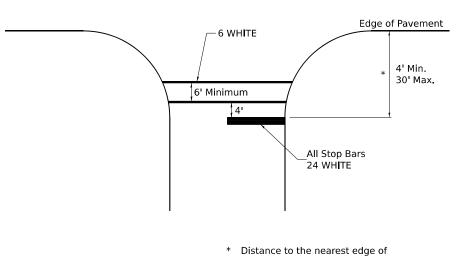
TYPICAL ISLAND OFFSET SHOULDER WIDTH

TYPICAL MARKING FOR PAINTED ISLANDS

STANDARD CROSSWALK MARKING See Schedules for Locations 8 WHITE LANE LINE







the intersecting roadway in the absence of a marked crosswalk.

 USER NAME
 = Nidridas.Vock
 DESIGNED
 REVISED
 6-27-14

 DRAWN
 REVISED
 3-05-12

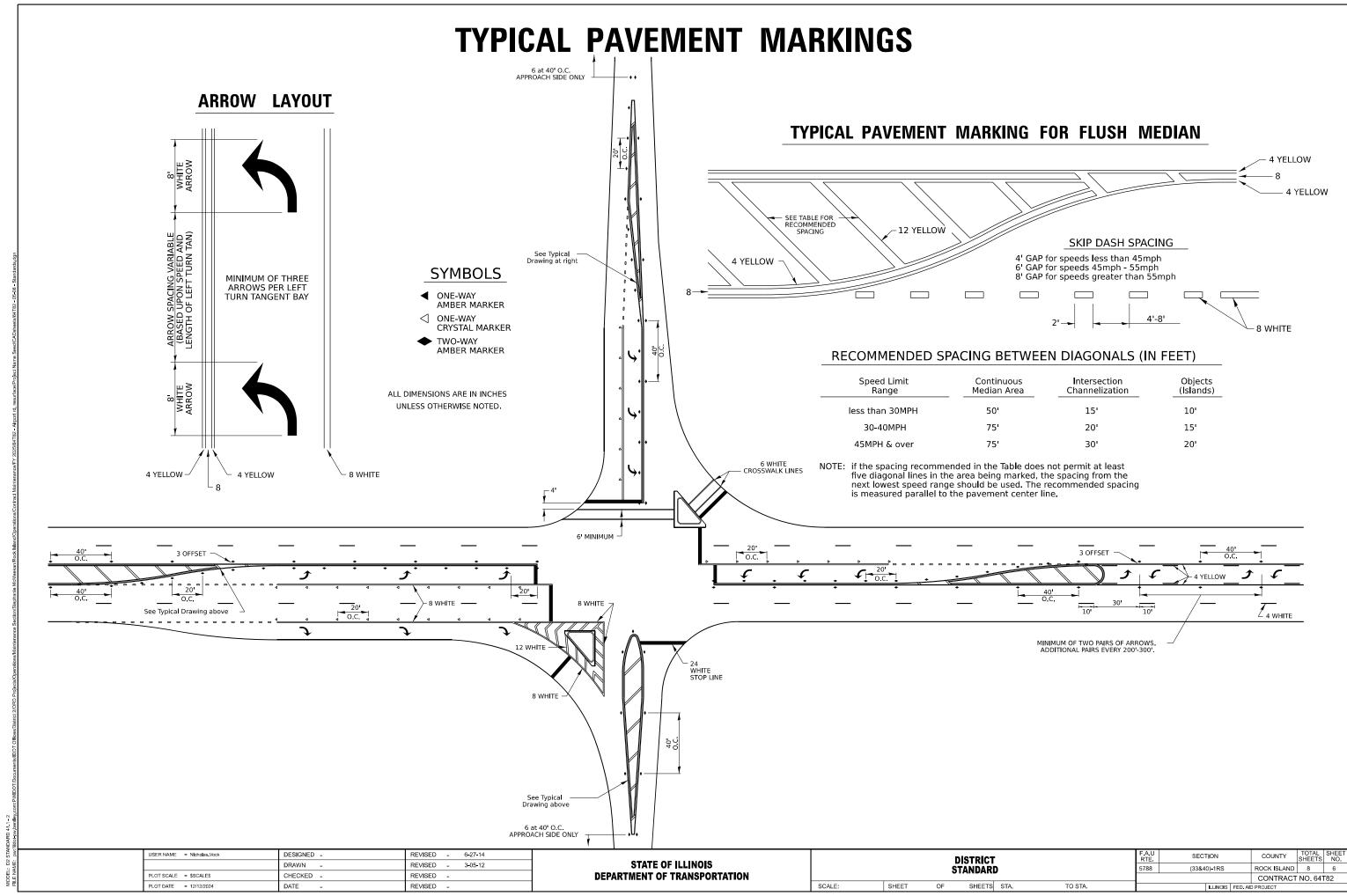
 PLOT SCALE
 = \$SCALE\$
 CHECKED
 REVISED

 PLOT DATE
 = 12/12/2024
 DATE
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

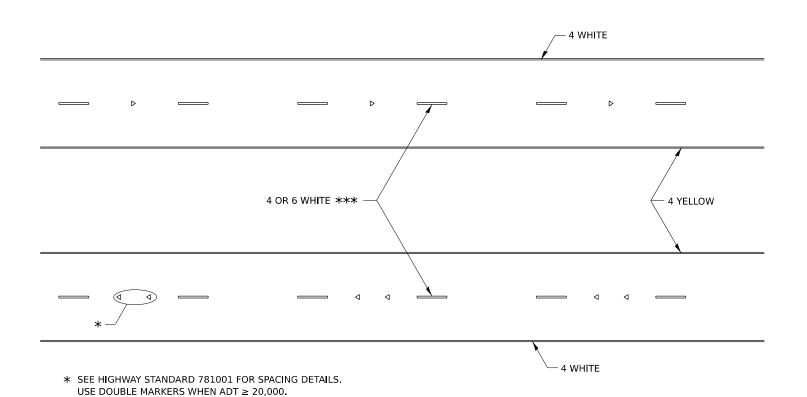
REGION 2 / DISTRICT 2 STANDARD

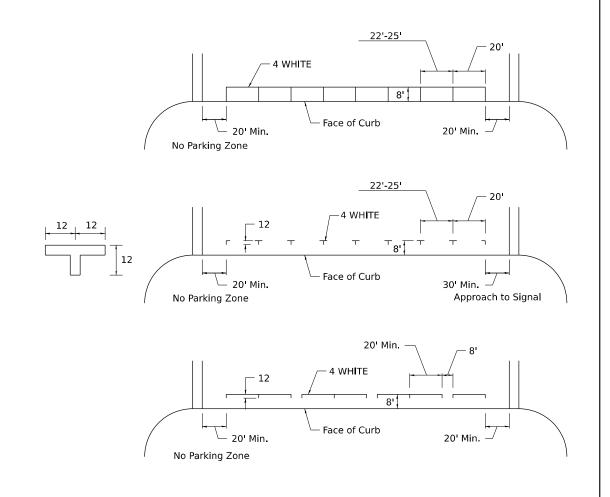
SCALE: SHEET OF SHEETS STA. TO ST.



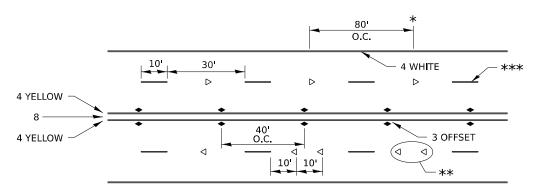
TYPICAL PAVEMENT MARKINGS

TYPICAL PARKING SPACING





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)

USER NAME = Nicholas Vock	DESIGNED -	REVISED - 6-27-14
	DRAWN -	REVISED - 8-27-13
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED - 11-28-12
PLOT DATE = 12/12/2024	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

30'

DECIMA / DICTRICT O CTANDADO									SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
REGION 2 / DISTRICT 2 STANDARD								5788	(33&4	10)-1RS		ROCK ISLAND	8	7
												CONTRACT	NO. 647	Г82
SCALE:	SHEET	OF	SHEETS	STA		TO STA				II I MOIE	EED AIR	DROJECT		

TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES

EDGE OF PAVEMENT

WHITE

WHITE

41.1

