

**TURN LANE STORAGE LENGTH P**

TO BE DETERMINED BY THE ENGINEER (100' MINIMUM).  
SEE DESIGN PLANS FOR SPECIFIC LENGTH.

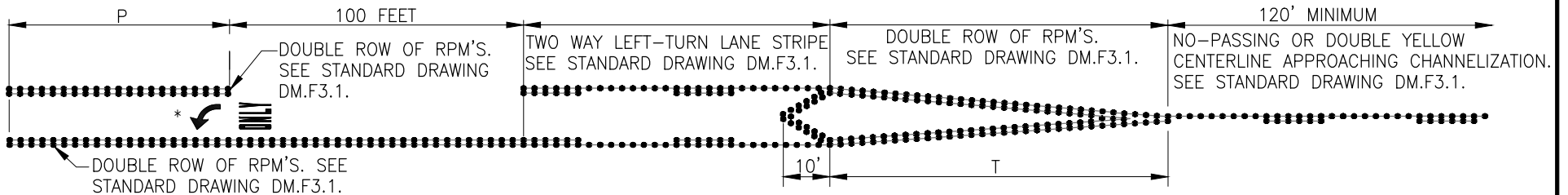
**\* NUMBER AND SPACING OF ARROW AND "ONLY" MARKINGS FOR LEFT/RIGHT TURN POCKETS:**

POCKET LENGTH (P)		USE	SPACING (% OF POCKET LENGTH) ← DIRECTION OF TRAFFIC			
MORE THAN	BUT LESS THAN					
60 FEET	120 FEET	1 ARROW/ONLY	100%			
120 FEET	250 FEET	2 ARROWS/ONLYS	40%			
250 FEET	350 FEET	3 ARROWS/ONLYS	20%	60%	100%	
350 FEET	450 FEET	4 ARROWS/ONLYS	15%	45%	75%	100%

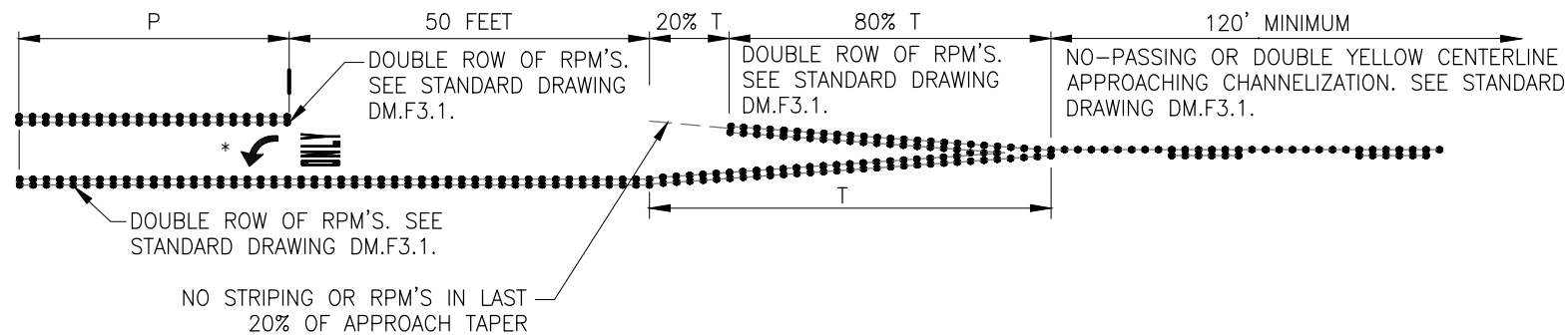
**CHANNELIZATION TAPER FORMULA T**

T = WS (45 MPH OR MORE) S = SPEED LIMIT (MPH)  
 T =  $\frac{WS^2}{60}$  (0 TO 40 MPH) W = OFFSET FROM NORMAL CENTERLINE (FT.)  
 T = LENGTH OF TAPER (FT); INCREASE TAPER BY 50% WHEN LOCATED ON A CURVE

**LEFT TURN POCKET FROM TWO-WAY LEFT TURN LANE**



**LEFT TURN POCKET FROM TAPER SECTION**



NOT TO SCALE



**CITY OF DES MOINES  
PUBLIC WORKS DEPARTMENT**

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**PAVEMENT MARKINGS**

**DM.F4.1**

REVISED: 02/23