

TAPER LENGTH (FT)		DESIGN SPEED, S (mph)						
		30	<i>3</i> 5	40	<i>4</i> 5	50	55	60
(See Note I)	Computed	180′	245′	320′	540°	600′	660′	720′
	Rounded	200′	250′	325′	550′	600′	675′	725′
T <sub>2</sub> (See Note 2)		100′	200′	200′	200′	200′	200′	200′
Full Deceleration (T <sub>1</sub> + T <sub>2</sub> )		300′	450′	525′	750′	800′	875′	925′

## Notes:

- 2.  $T_2 = 1s$  computed as follows:  $\le 30$  mph; 8:1 = 96' (Rounded to 100') > 35 mph; 15:1 = 180' (Rounded to 200')
- 3.  $L_1$  = Length of storage lane to be determined by Figures 3-5 through 3-22 by capacity analysis for Left-Turn Storage, Minimum Length 100′.
- 4. Turn Lane Width  $(W_1)$  is to be same as Through Lane Width  $(W_2)$  (12' assumed in computations).
- 5. Right of Way may be acquired from either side of the  $\slashed{B}$  or all from one side as needed.

PASSING/LEFT TURN LANE ON TWO-LANE HIGHWAY

Source: 2011 Virginia Work Area Protection Manual, Chapter 6C, Page 6C-7\* AASHTO Green Book, Chapter 9 (For turning lane tapers).

## FIGURE 3-4 PASSING/LEFT TURN LANE ON TWO-LANE HIGHWAY

\* Rev. 1/13