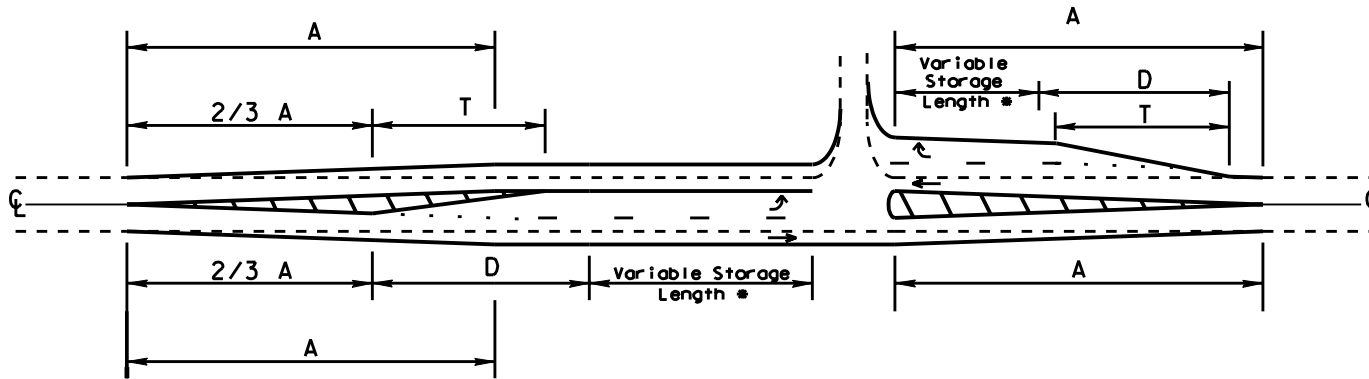


# Recommended Treatment for Turn Lanes

## Symmetrical Widening



Design Speed (mph)	Posted Speed (mph)	Minimum Deceleration Length (D)	Desirable Deceleration Length (D)	Bay Taper Length (T)	Approach / Departure Taper (A)
30	≤ 25	100'	150'	75'	$A = WS^2/60$ (IF $S \leq 40$ MPH) $A = WS$ (IF $S > 40$ MPH)
35	30	100'	150'	75'	
40	35	150'	200'	100'	S = Design Speed
45	40	150'	250'	100'	W = Width of Lateral Shift
50	45	150'	300'	100'	* Storage length for waiting vehicles should be calculated based on the latest version of the Highway Capacity Manual or Policy on Street and Driveway Access to North Carolina Highways.
55	50	200'	500'	150'	
60	55	250'	575'	200'	

From *Policy on Street and Driveway Access to North Carolina Highways*

## Geometrics – Turn Lanes

SIGNALS & GEOMETRICS SECTION  
 TRAFFIC ENGINEERING AND SAFETY SYSTEMS BRANCH  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

STD. NO.

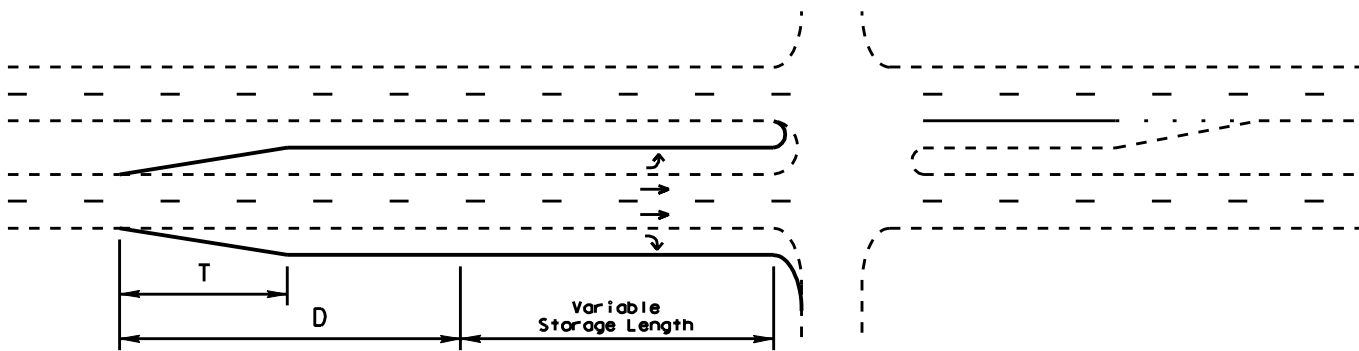
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SHEET 1 OF 2

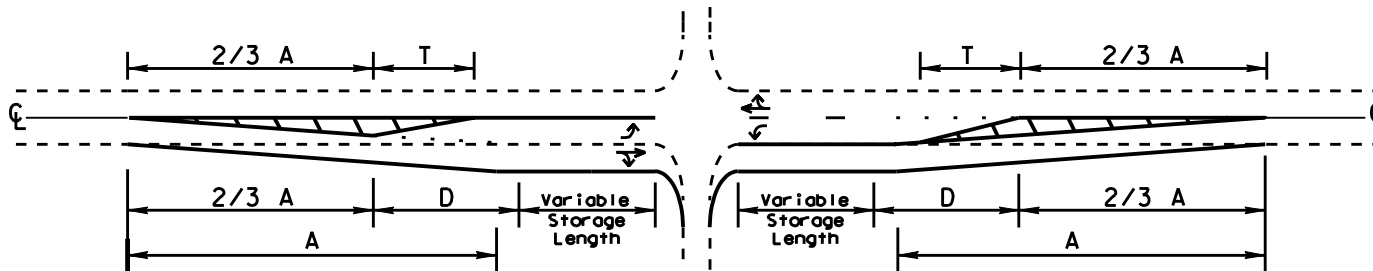
**7-04**

# Recommended Treatment for Turn Lanes

## Pocket Lanes



## Near Side Widening



All values to be determined using the table on the previous page.

From *Policy on Street and Driveway Access to North Carolina Highways*

## Geometrics – Turn Lanes

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