## TURN LANES • CURBED AND UNCURBED MEDIANS

| Design Speed (mph) | Entry Speed (mph) | Clearance Distance $L_1$ | URBAN CONDITIONS | | | RURAL CONDITIONS | | |
|---|---|---|---|---|---|---|---|---|
| | | | Brake To Stop Distance $L_2$ | Total Decel. Distance L | Clearance Distance $L_3$ | Brake To Stop Distance $L_2$ | Total Decel. Distance L | Clearance Distance $L_3$ |
| 35 | 25 | 70' | 75' | 145' | 110' | ——— | ——— | ——— |
| 40 | 30 | 80' | 75' | 155' | 120' | ——— | ——— | ——— |
| 45 | 35 | 85' | 100' | 185' | 135' | ——— | ——— | ——— |
| 50 | 40/44 | 105' | 135' | 240' | 160' | 185' | 290' | 160' |
| 55 | 48 | 125' | ——— | ——— | ——— | 225' | 350' | 195' |
| 60 | 52 | 145' | ——— | ——— | ——— | 260' | 405' | 230' |
| 65 | 55 | 170' | ——— | ——— | ——— | 290' | 460' | 270' |

## DESIGN NOTES

1. Basis for turn lane configurations:
   - Informed Driver.
   - Stop condition (With Or Without Stop Control).
   - Wet Pavement.
   - Reaction preceding entry point.
   - Minimum braking distance for urban conditions.
   - 75' min. for $L_2$.
   - Comfortable deceleration rates for rural conditions (AASHTO 2001 threshold rate of 11.2 ft./s²).

## GENERAL NOTES

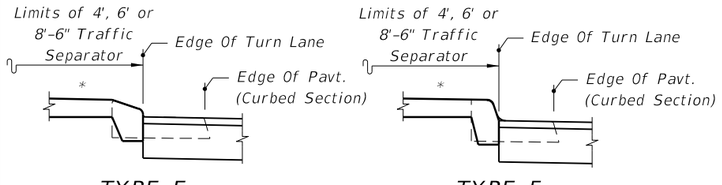
1. The plan views shown are for turn lane taper shapes and dimensional purposes only, they do not prescribe the use of curb, curb and gutter, shoulders nor separators specifically to either rural or urban conditions.

2. Total deceleration distances must not be reduced except where lesser values are imposed by unrelocatable control points.

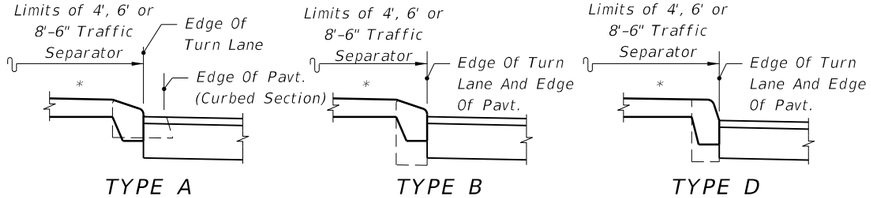
3. Right turn lane tapers and distances identical to left turn lanes under stop control conditions. Right turn lane tapers and/or distances are site specific under free flow or yield conditions.

4. These left turn configurations apply to continuous left turn lanes only where specifically called for in the plans.

5. For pavement markings see Index No. 17346.




TYPE E CURB AND GUTTER TYPE F

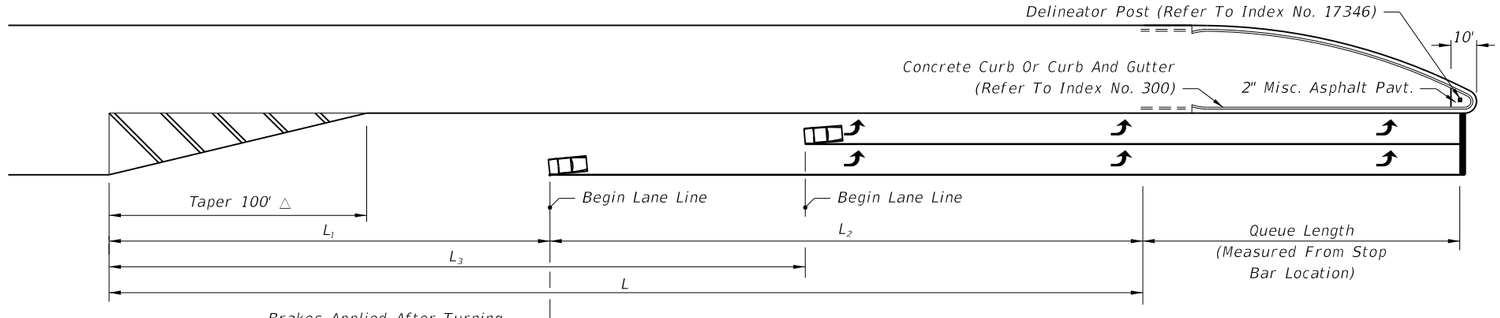



TYPE A TYPE B CURB TYPE D

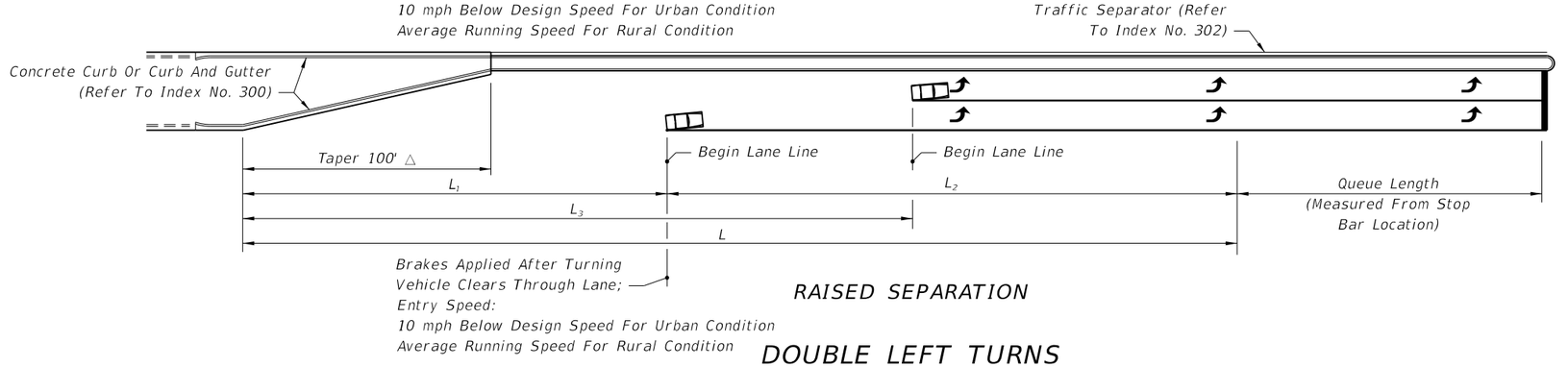
For Curb And Curb & Gutter Types, See Index No. 300

* Option I Separators Shown (Refer To Index No. 302)

## MEDIAN CURB AND TRAFFIC SEPARATOR JUNCTURE DETAILS

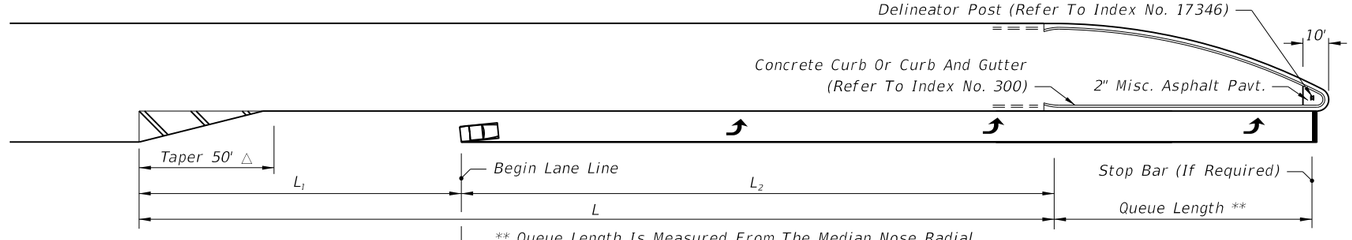



FLUSH AND/OR CURBED SEPARATION



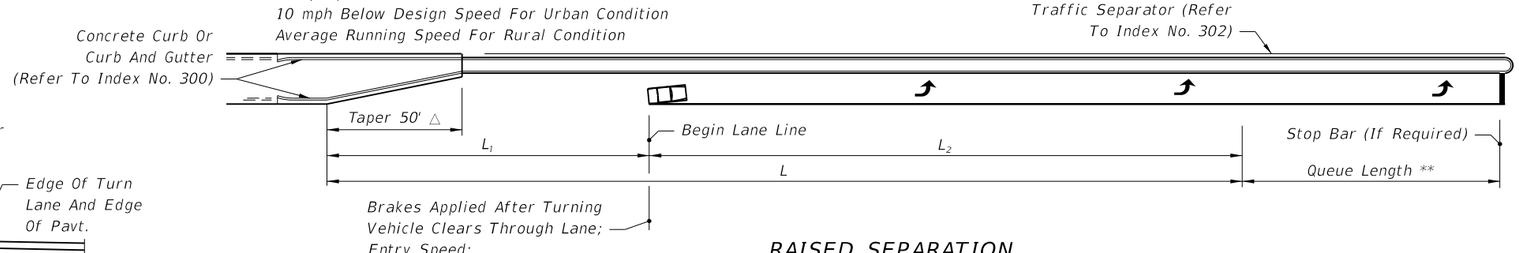

RAISED SEPARATION

## DOUBLE LEFT TURNS




** Queue Length Is Measured From The Median Nose Radial Point Or, When A Stop Bar Is Required, From The Stop Bar.

FLUSH AND/OR CURBED SEPARATION




RAISED SEPARATION

## SINGLE LEFT TURNS

△ The length of taper may be increased to $L_1$ for single left turns and $L_3$ for double left turns when:
- a. Left turn queue vehicles are adequately provided for within the design queue length.
- b. Through vehicle queues will not block access to left turn lane.
- c. Approved by District Design Engineer.

| LAST REVISION | REVISION | DESCRIPTION: | FDOT DESIGN STANDARDS 2013 | TURN LANES | INDEX NO. | SHEET NO. |
|---|---|---|---|---|---|---|
| 07/01/05 | | | | | 301 | 1 |

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