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		D	
Speed Limit	D ft	L = 6ft X 6ft	Speed Li

Wired in series for TS1 Controllers Wired separately for TS2, 170, and 2070L Controllers

_imit ft 40 250 80 45 300 90 50 355 100 420 110

"Stretch" Operation

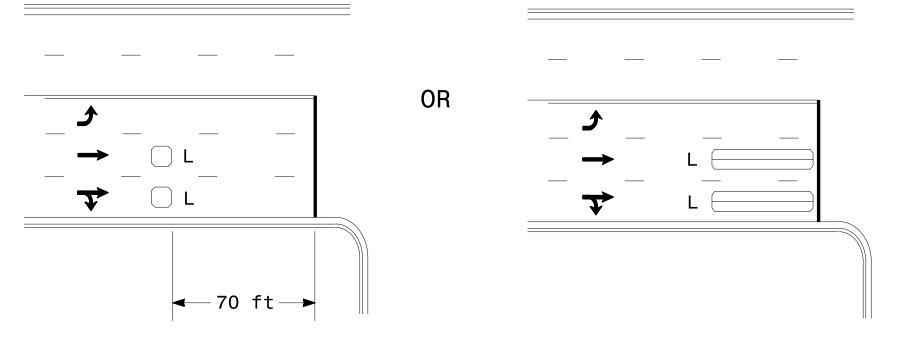
Wired in series

L1 = 6ft X 6ft

 $L2 = 6ft \times 6ft$

Wired in series

- D2 ----



L = 6ft X 6ftWired in series

L = 6ft X 40ftQuadrupole loop, wired separately

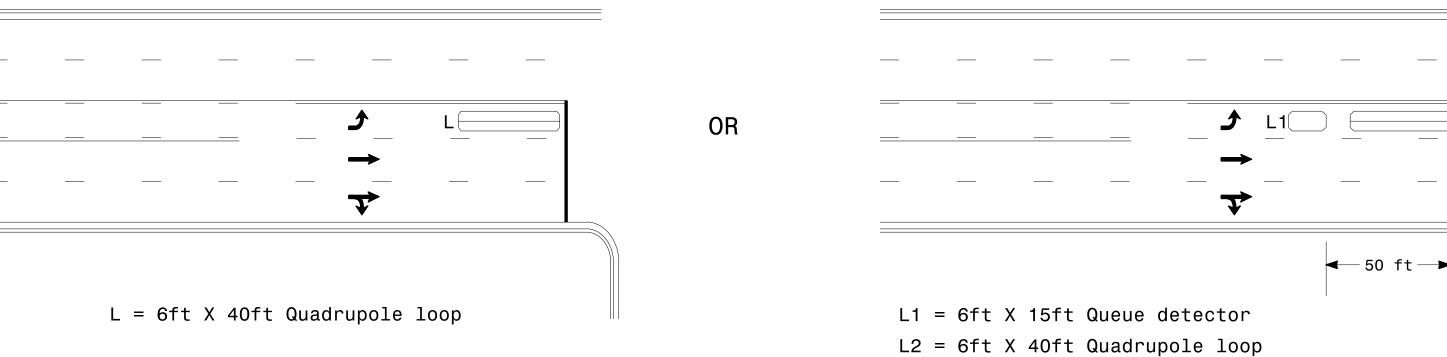
Right Turn Lane Detection

L2 = 6ft X 6ft [Minimum] Presence loop

L1 = 6ft X 40ft Quadrupole loop

Wired separately

Left Turn Lane Detection



Presence Loop Detection

250

300

355

420

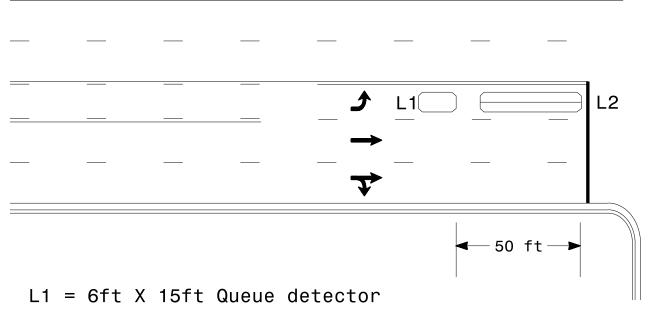
Volume Density Operation

40

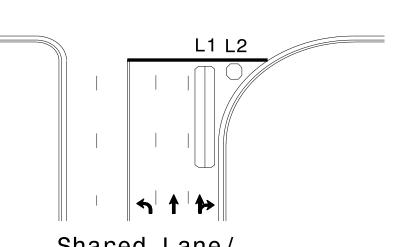
45

50

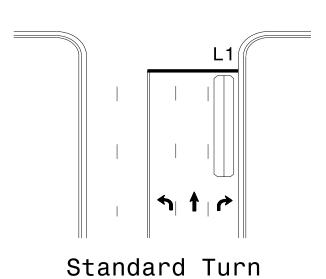
55

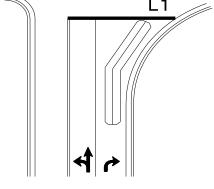


Queue Loop Detection



Shared Lane/ Wide Radius Turn

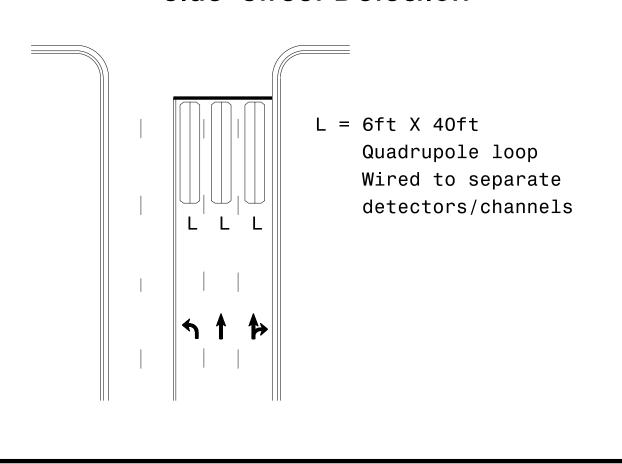




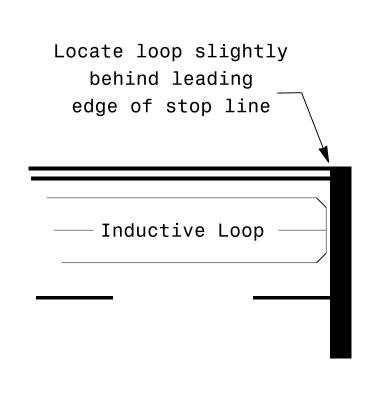
Wide Radius Turn

Channelized Turn

Side Street Detection



Presence Loop Placement at Stop Lines



Note:

Loop may be located in advance of stop line under any of the following conditions:

- 1) stop line is greater than 15' from edge of intersecting roadway
- 2) loop detects a permissive or protected/permissive left turn
- 3) for an exclusive right turn lane

Recommended Number of Turns

SCALE

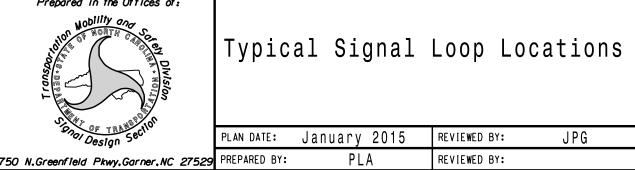
N/A

Single 6' X 6' loop (when wired separately):

ich wird Separatery).					
Length of Lead-in ft	Number of Turns				
< 250	3				
250-375	4				
375-525	5				
> 525	6				

Quadrupole loops: Use 2-4-2 turns

6' X 15' Loops: Lead-in < 150', use 2 turns Lead-in > 150', use 3 turns



REVIEWED BY: REVISIONS INIT. DATE

PL Alexander