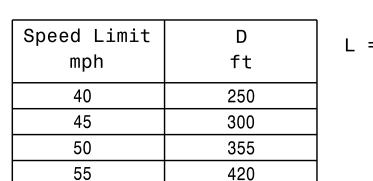


**→** □ L2



 $L = 6ft \times 6ft$ Wired in series for TS1 Controllers Wired separately for TS2, 170, and 2070L Controllers

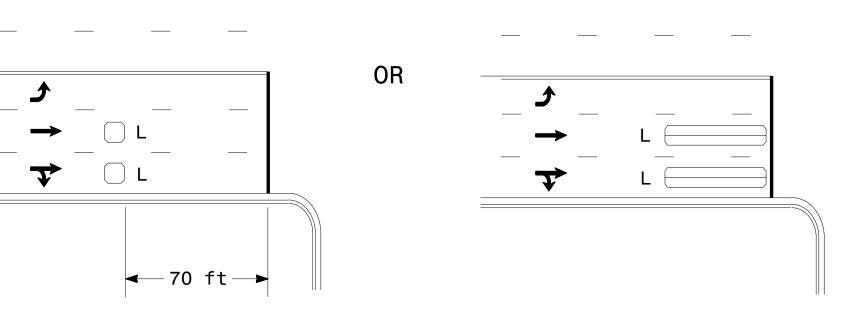
Speed Limit ft 250 80 45 300 90 50 355 100 110

Wired in series

− D2 ----

L1 = 6ft X 6ft Wired in series

L2 = 6ft X 6ft



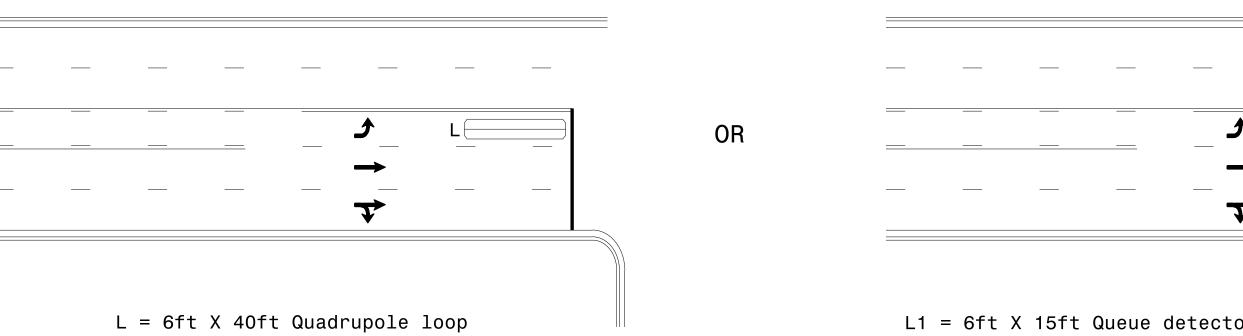
L = 6ft X 40ftWired in series Quadrupole loop, wired separately

Right Turn Lane Detection

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

L1 = 6ft X 40ft Quadrupole loop

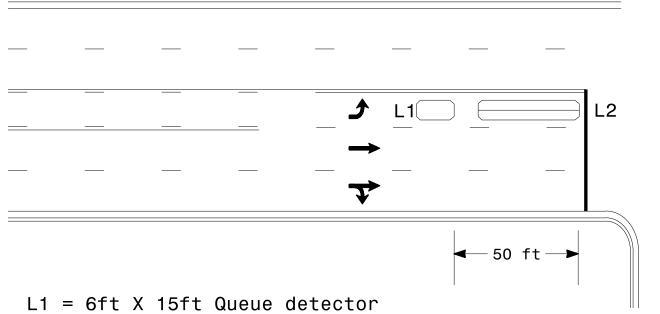
Wired separately



Left Turn Lane Detection

Presence Loop Detection

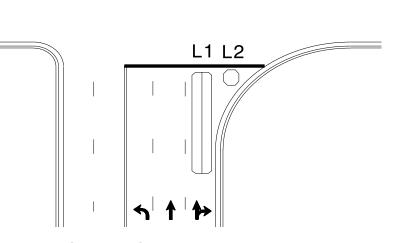
Volume Density Operation



Queue Loop Detection

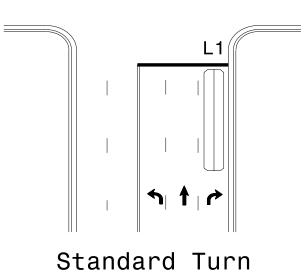
L2 = 6ft X 40ft Quadrupole loop

"Stretch" Operation



Shared Lane/ Wide Radius Turn

 $L = 6ft \times 6ft$ 

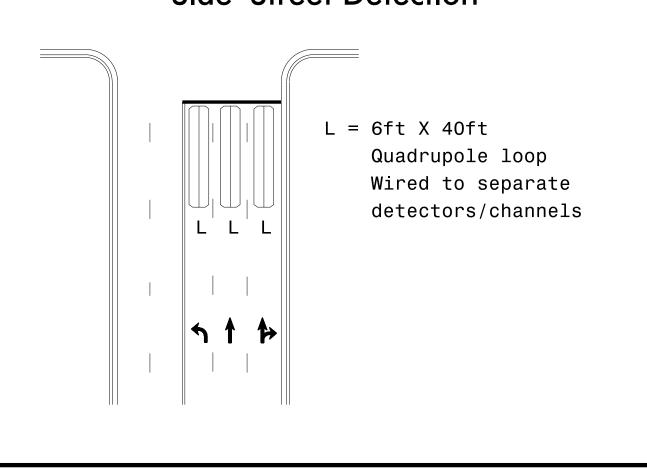


SIG-2

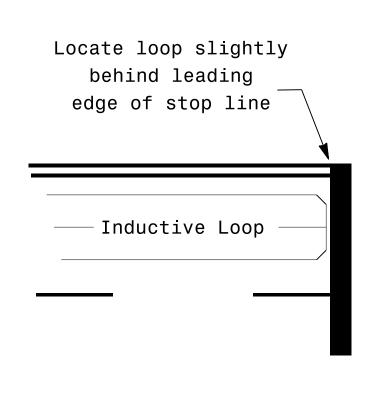
Wide Radius Turn

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

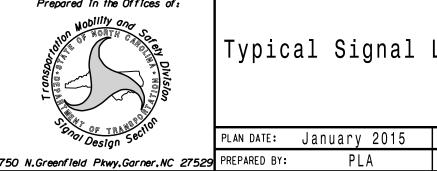
N/A

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



Typical Signal Loop Locations

PLAN DATE: January 2015 REVIEWED BY: REVIEWED BY: REVISIONS INIT. DATE

PL Alexander