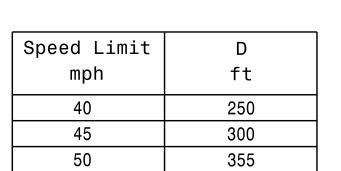


− D2 ----

→ □ L2



55

420

Volume Density Operation

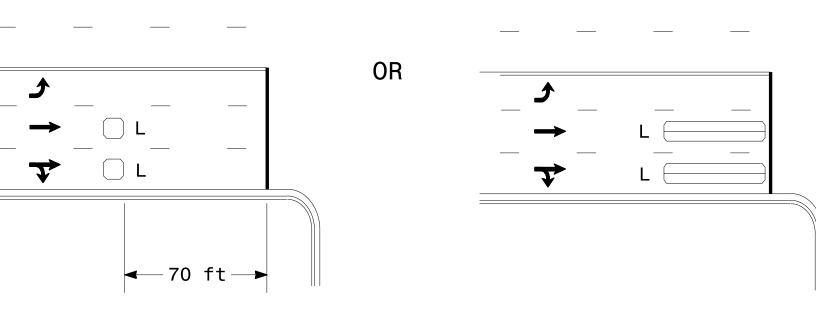
L = 6ft X 6ft
 Wired in series for TS1
 Controllers
 Wired separately for TS2,
 170, and 2070L Controllers

Wired in series

L1 = 6ft X 6ft

L2 = 6ft X 6ft

Wired in series



L = 6ft X 6ft Wired in series

L = 6ft X 40ft
Quadrupole loop, wired separately

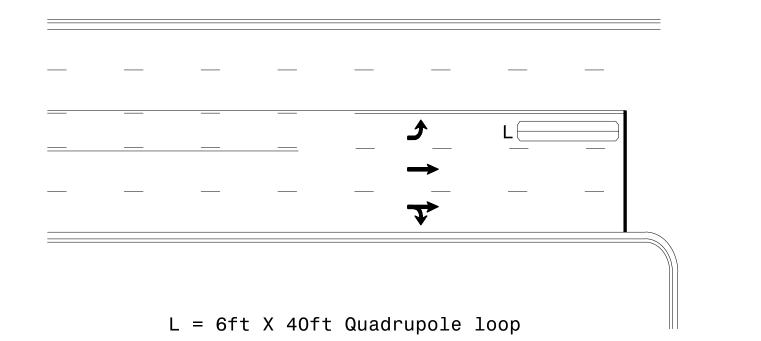
Right Turn Lane Detection

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

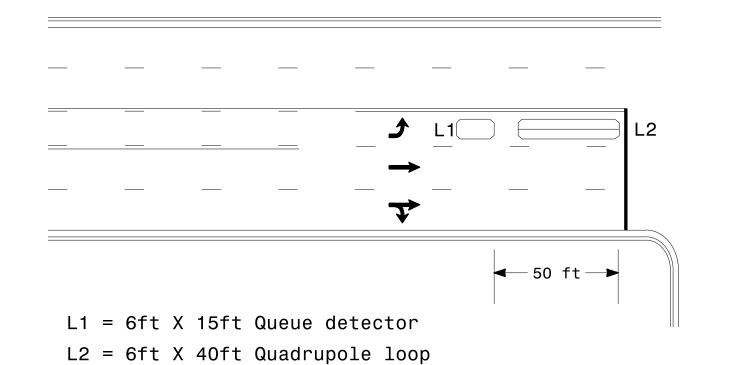
L1 = 6ft X 40ft Quadrupole loop

Wired separately

Left Turn Lane Detection

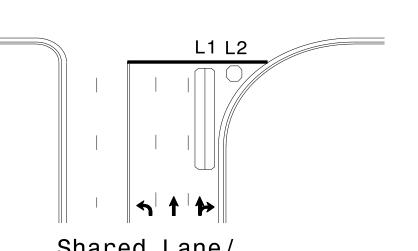


Presence Loop Detection

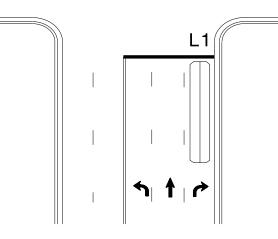


Queue Loop Detection

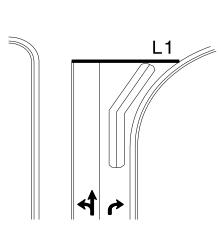
"Stretch" Operation



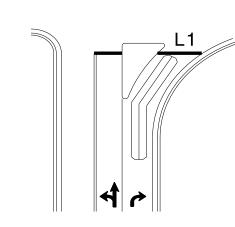
Shared Lane/ Wide Radius Turn



Standard Turn

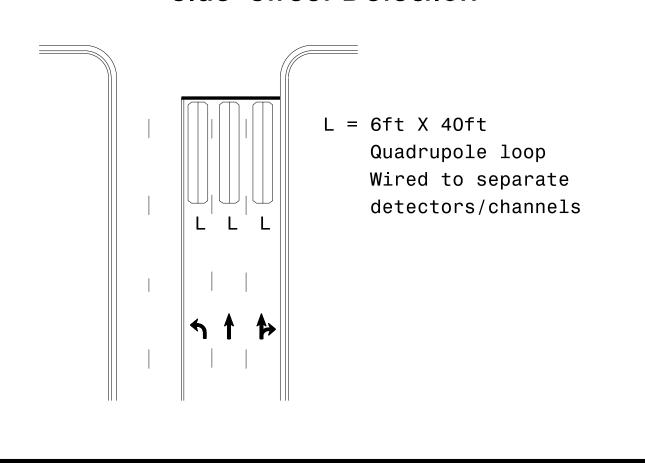


Wide Radius Turn

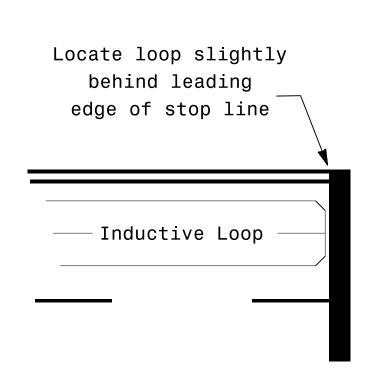


Channelized Turn

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:

- 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

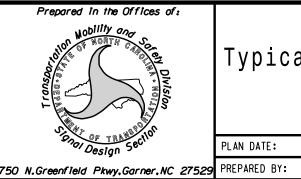
Recommended Number of Turns

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

ien wired 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



SCALE

N/A

Typical Signal Loop Locations

PLAN DATE: January 2015 REVIEWED BY: JPG
PREPARED BY: PLA REVIEWED BY:

REVISIONS INIT. DATE

PL Olexander 1,

B4756E00CE4E46D...

SIG. INVENTORY NO.

30-JAN-2015 12:39 S:*ITS&SU*ITS Signals*Signa