

250

300

355

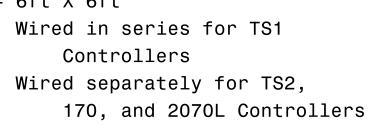
420

40

45

50

55



 Speed Limit mph
 D1 ft
 D2 ft

 40
 250
 80

 45
 300
 90

 50
 355
 100

 55
 420
 110

"Stretch" Operation

100 Wired in series

→ □ L2

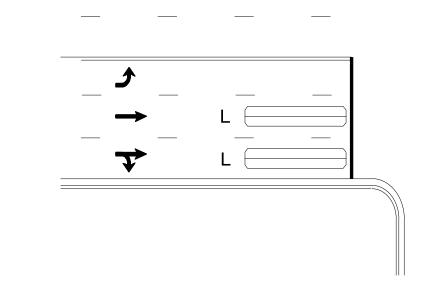
−D2 ---

L1 = 6ft X 6ft

L2 = 6ft X 6ft

Wired in series

L = 6ft X 6ft Wired in series



OR

PROJECT REFERENCE NO.

I-5736 & I-5767

SIG-1

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

Right Turn Lane Detection

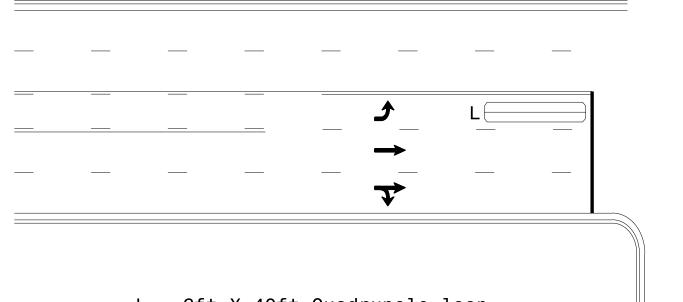
L2 = 6ft X 6ft [Minimum] Presence loop

L1 = 6ft X 40ft Quadrupole loop

Wired separately

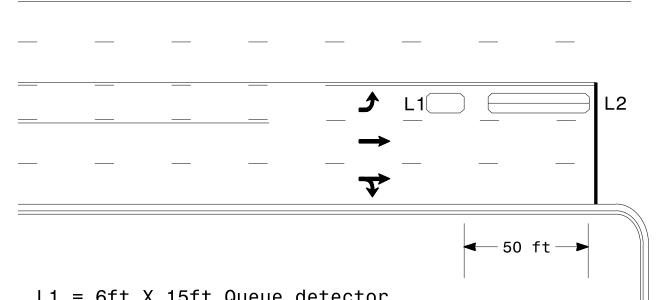
Volume Density Operation

Left Turn Lane Detection



L = 6ft X 40ft Quadrupole loop

Presence Loop Detection

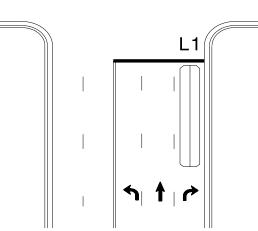


L1 = 6ft X 15ft Queue detector L2 = 6ft X 40ft Quadrupole loop

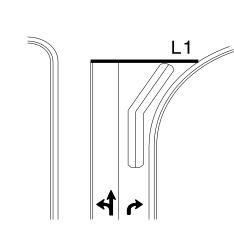
Queue Loop Detection

L1 L2

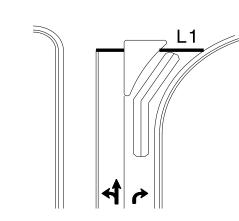
Shared Lane/ Wide Radius Turn



Standard Turn

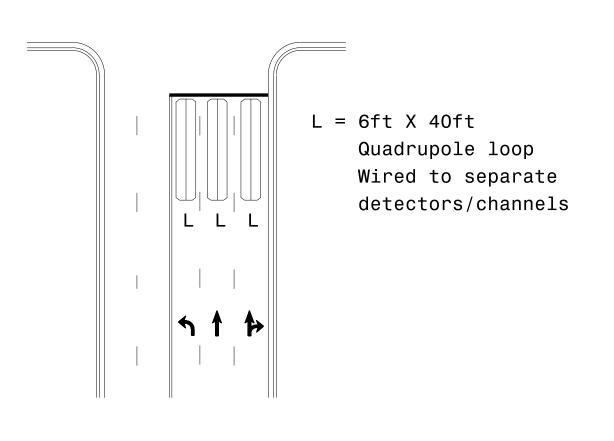


Wide Radius Turn

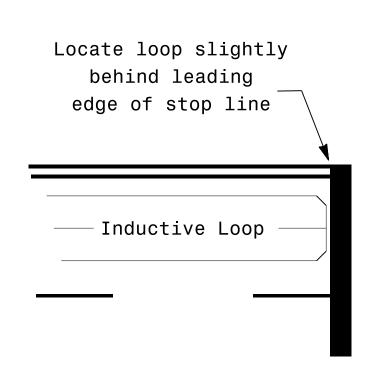


Channelized Turn

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

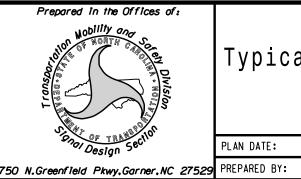
Recommended Number of Turns

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

Ton wired coparacory,	
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