

**→** □ L2

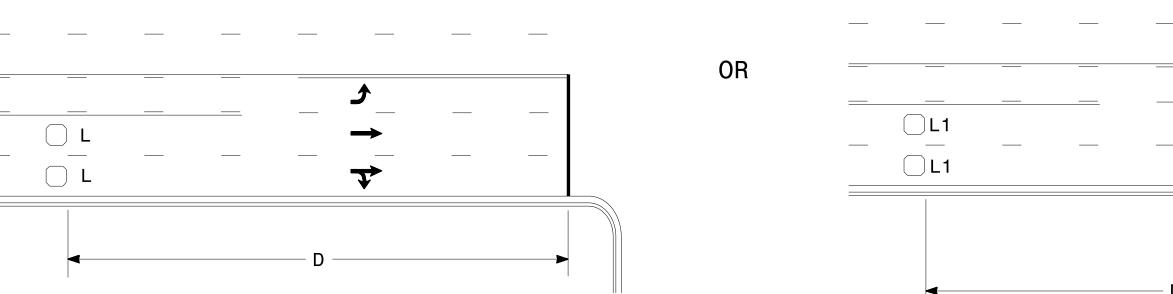
−D2 ----

L1 = 6ft X 6ft

 $L2 = 6ft \times 6ft$ 

Wired in series

Wired in series



Speed Limit	D	   L = 6ft X 6ft
mph	ft	Wired in s
40	250	Contro
45	300	   Wired sepa
50	355	170, a

420

Volume Density Operation

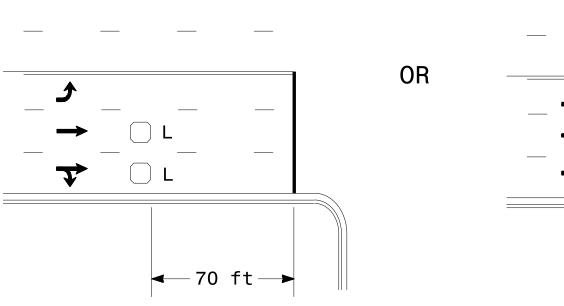
55

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

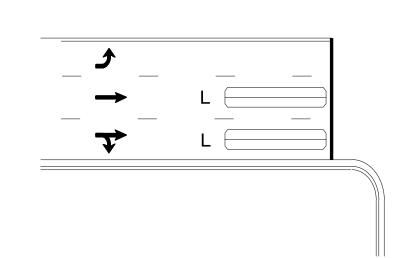
Speed Limit D1 D2 mph ft ft ft

or TS2,
Controllers 50 355 100
55 420 110

"Stretch" Operation



L = 6ft X 6ft
Wired in series



PROJECT REFERENCE NO.

I-5905

SIG-1

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

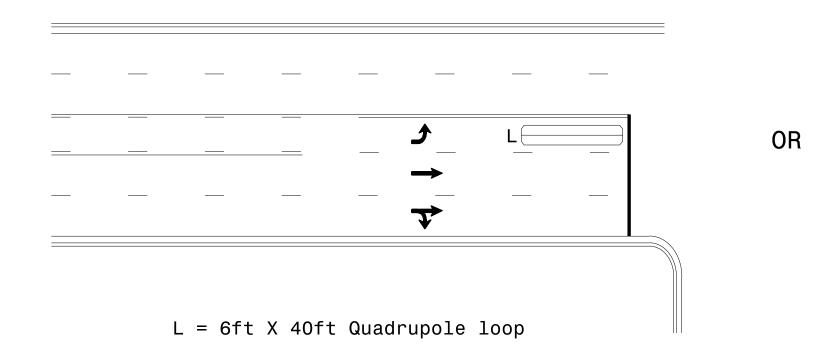
Right Turn Lane Detection

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

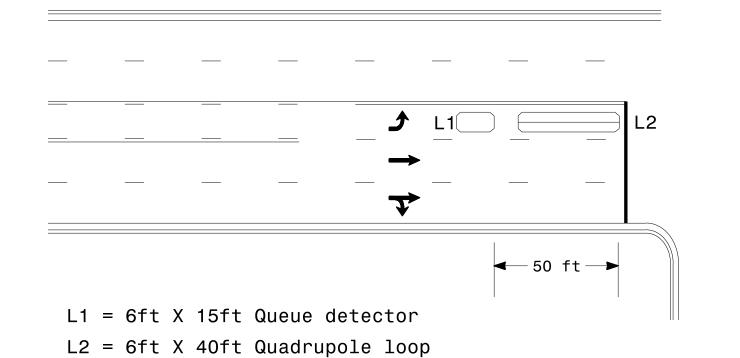
L1 = 6ft X 40ft Quadrupole loop

Wired separately

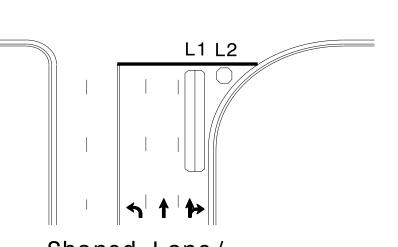
## Left Turn Lane Detection



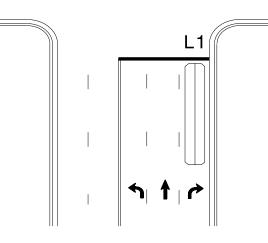
Presence Loop Detection



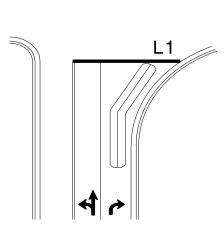
Queue Loop Detection



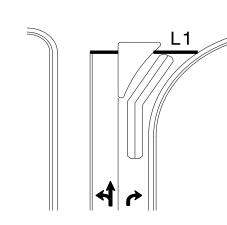
Shared Lane/ Wide Radius Turn



Standard Turn

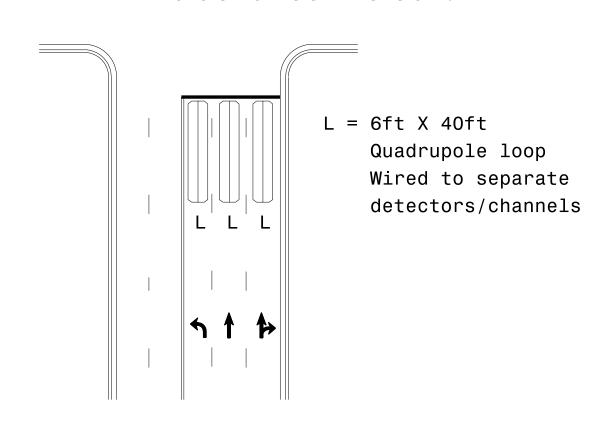


Wide Radius Turn

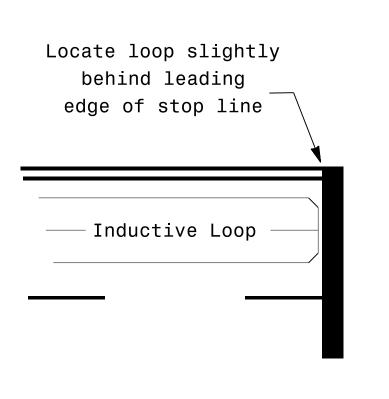


Channelized Turn

## 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

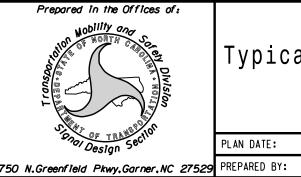
## Recommended Number of Turns

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 PLA

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Docusigned by:

ALEXANDER

Docusigned by:

ALEXANDER

DATE

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SIG. INVENTORY NO.

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