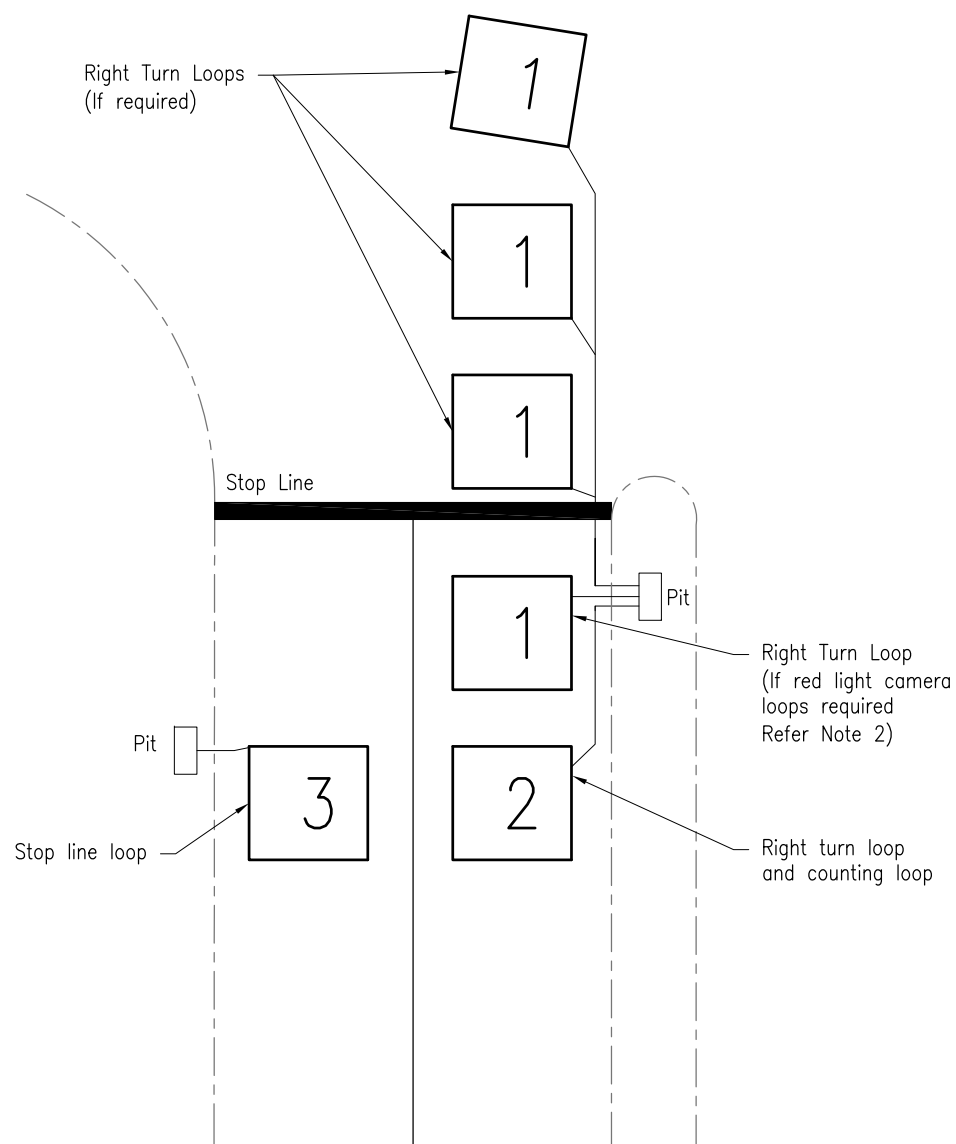


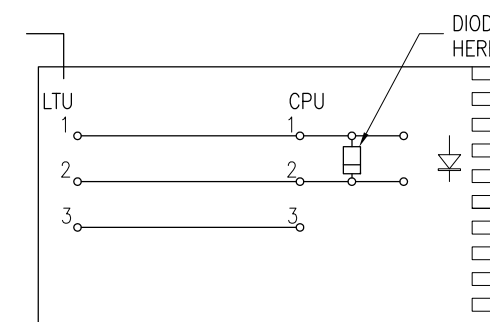
**TYPICAL LOOP PLACEMENT
FOR SEPARATE COUNTING/RIGHT TURN LOOP
(LEGACY PRE 2005 CONFIGURATION)**

- Typical placement of:
1. Right Turn (non-locking) loops.
 2. Separate counting loop.
 3. Stop line (locking) loop.



**TYPICAL LOOP PLACEMENT
FOR COMBINED COUNTING/RIGHT TURN LOOP
(CURRENT CONFIGURATION)**

- Typical placement of:
1. Right Turn (non-locking) loops.
 2. Combined right turn and counting loop (diode connected loop).
 3. Stop line (locking) loop.



**PATCHCARD HARDWARE DIODE
CONNECTION DETAIL
(FOR CURRENT CONFIGURATION)**

Detection on loop 2 places
demand on input 2 and 1
Refer Note 1

NOTES:

1. The function of Diode Connection is to place demand on both inputs 1 and 2 when there is a vehicle present on loop 2.
Preferred Method: Software diode connection in common personality file.
(This is the only option available for integrated detectors such as the Tyco PD200 series and TSC4 Controllers).
Alternative Method: Hardware diode connection on patchcard with connection as shown.
2. For red light camera loops refer Standard Drawing 1425.
3. Refer Standard Drawing 1425 for dimensions.

ASSOCIATED DEPARTMENTAL DOCUMENTS:

- Standard Drawings
- Specifications
- Manual of Uniform Traffic Control Devices (MUTCD)
 - Part 14 Traffic Signals
- Traffic Road Use Manual (TRUM)
 - Volume 4 Part 5 Configuration and Placement of Vehicle Detection Sensors

REFERENCED DOCUMENTS:

- Departmental Standard Drawings:
 - 1424 Traffic Signals - Detector Loops Installation Details Asphalt Pavement
 - 1425 Traffic Signals - Detector Loops Placement Details

Departmental Specifications:

- MRTS93 Traffic Signals

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TRAFFIC SIGNALS				A3	Standard Drawing No
DETECTOR LOOPS COUNTING/RIGHT TURN LOOPS AND DIODE CONNECTION DETAILS		Not to Scale	1701		
			Date 3/19		
A	B	C	D		