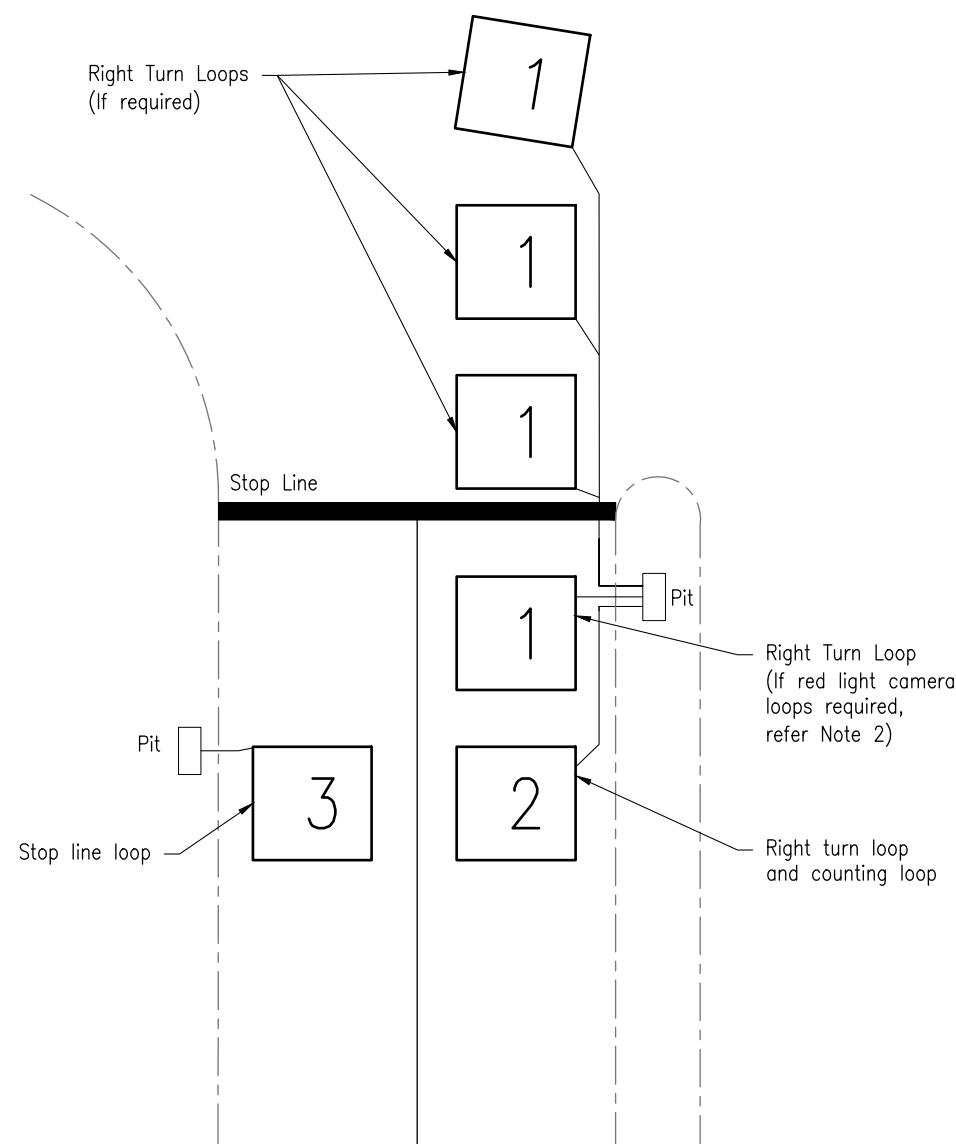


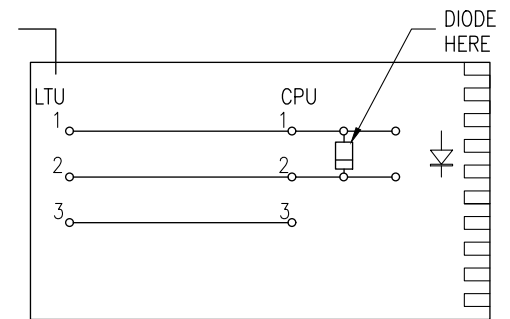
**TYPICAL LOOP PLACEMENT  
FOR SEPARATE COUNTING/RIGHT TURN LOOP  
(LEGACY PRE 2005 CONFIGURATION)**

- 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:

- Manual of Uniform Traffic Control Devices (MUTCD)
  - Part 14 Traffic Signals
- Traffic and Road Use Management (TRUM)
  - Volume 4 Part 5 Configuration and Placement of Traffic Sensors

#### REFERENCED DOCUMENTS:

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

#### Departmental Specifications:

- MRTS93 Traffic Signals

Department of Transport and Main Roads		TRAFFIC SIGNALS		Standard Drawing No	
DETECTOR LOOPS COUNTING/RIGHT TURN LOOPS AND DIODE CONNECTION DETAILS		A3 Not to Scale		1701	
				Date 5/2026	
A	B	C	D	E	