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

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

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.
2. Preferred method: Software diode connection in common personality file. (This is the only option available for integrated detectors such as the Tyco PQ200 series and TCS4 Controllers).
3. Alternative method: Hardware diode connection on patchboard with connection as shown.
4. For red light camera loops refer Standard Drawing 1425.
5. Refer Standard Drawing 1425 for dimensions.

ASSOCIATED DEPARTMENTAL DOCUMENTS:
- Standard Drawings
- Specifications
- Manual of Uniform Traffic Control Devices (MUTCD)
  - Part 14 Traffic Signals
  - Volume 4 Part 5 Configuration and Placement of Vehicle Detection Sensors

REFERENCED DOCUMENTS:
- Departmental Standard Drawings:
  - 1425 Traffic Signals
  - 1404 Traffic Signals
- Departmental Specifications:
  - TWEG Traffic Signals
  - TWEG3 Traffic Signals

Department of Transportation and Public Works

TRAFFIC SIGNALS

DETECTOR LOOPS
COUNTING/RIGHT TURN LOOPS
AND DIODE CONNECTION DETAILS

Date: 3/28/99

1701