

PIEZO-PIEZO CONFIGURATION SINGLE CARRIAGEWAY DUAL DIRECTION

# LEGEND

SYMBOL	DESCRIPTION
OIII	ANPR Camera with pole
8	PTZ Dome Camera with pole
((1))	Wireless Antenna
	Traffic Survey Cabinet
	Type 4 Pit
0	Circular Pit
	1x100 dia conduit (White)
===	2x100 dia conduit (White)

# NOTES:

- 1. The preferred sensor arrangement for WiM configurations is the Piezo-Loop-Piezo configuration (SD1908). These Piezo-Piezo configurations are only to be used where loops cannot be installed and AADT ≤ 5000 per direction.
- For example: On an existing concrete road where diagonal expansion joints span locations where Loops would normally be installed.
- 2. The WiM sensor can be either a brass linguini (BL) piezo or quartz sensor
- 3. The WiM sensor is to be assembled and tested prior to delivery at
- 4. All slots for WiM sensors shall be cut to nearest pit.
- 5. Where possible, there shall be a minimum 500mm gap between slots cut for sensors and tails.
- 6. WiM sensors shall be installed perpendicular to the centre line of the road.
- 7. Separation of leading and trailing WiM sensors shall be 3000mm  $\pm$ 3mm, measured at the centre of each sensor.
- 8. Dimensions in metres unless noted otherwise.

## ASSOCIATED DEPARTMENTAL DOCUMENTS:

Standard Drawings Specifications

#### REFERENCED DOCUMENTS:

Departmental Standard Drawings:

1901 ITS - Traffic Survey Cabinet Base Installation Details

1905 ITS - Traffic Survey Cabinet Typical Details

1906 ITS - WiM Piezo Sensor Installation Details

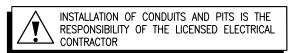
1908 ITS - WiM Sensor Configuration Piezo-Loop-Piezo

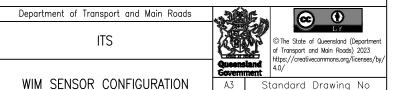
## Departmental Specifications:

MRTS203 Provision of Weigh-in-Motion System

MRTS207 Traffic Survey Foundation Equipment

MRTS250 Provision of Automatic Number Plate Recognition System





PIEZO - PIEZO

Not to

1910

Date 3/2023 - D