



**PIEZO-PIEZO CONFIGURATION  
SINGLE CARRIAGEWAY DUAL DIRECTION**

**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 site.
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 ± 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

**LEGEND**

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

**! INSTALLATION OF CONDUITS AND PITS IS THE RESPONSIBILITY OF THE LICENSED ELECTRICAL CONTRACTOR**

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WIM SENSOR CONFIGURATION		A3	Standard Drawing No
PIEZO – PIEZO		Not to Scale	1910
		Date	3/2023
A	B	C	D