PIEZO–PIEZO CONFIGURATION
SINGLE CARRIAGeway DUAL DIRECTION

NOTES:
1. The preferred sensor arrangement for WM configurations is the Piezo–Piezo–Piezo configuration (refer Piezo–Piezo–Piezo sensor configuration drawing for further details). These layouts are only to be used where the installation of loops cannot be installed. For example, on an existing concrete road where diagonal expansion joints spar locations where loops would normally be installed.
2. The WM sensor can be either a brass linear (BL) piezo or quartz sensor.
3. The WM sensor is to be assembled and tested prior to delivery on site.
4. All slots for loop and WM sensors shall be cut to nearest grid.
5. Where possible, there shall be a minimum 500mm gap between slots cut for sensors and rings.
6. Loops shall be installed centrally between the lane lines.
7. Loop leading and trailing edges shall be perpendicular to the centre line of the road.
8. Loop shoulder and centre line edges shall be parallel to the centre line of the road.
9. WM sensors shall be installed perpendicular to the centre line of the road.
10. Separation of leading and trailing WM sensors shall be 3000mm ± 3mm measured from the centre of each sensor.
11. Dimensions in meters unless noted otherwise.

ASSOCIATED DEPARTMENTAL DOCUMENTS:
Standard Drawings
Specifications:

REFERENCED DOCUMENTS:
Departmental Standard Drawings:
1901 ITS = Traffic Monitoring Cabinet Base Installation Details
1905 ITS = Traffic Monitoring Cabinet Typical Details
1906 ITS = WM Typical Linear Piezo Sensor Installation Details
1908 ITS = WM Sensor Configuration Piezo–Piezo–Piezo

Departmental Specifications:
MRTS20200 Produce of Weight-in-Motion System
MRTS2027 Traffic Monitoring Foundation Equipment
MRTS2030 Produce of Automatic Number Plate Recognition System

LEGEND

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANPR</td>
<td>ANPR Camera with pole</td>
</tr>
<tr>
<td>T</td>
<td>T2Z Dome Camera with pole</td>
</tr>
<tr>
<td>W</td>
<td>Wireless Antenna</td>
</tr>
<tr>
<td>FF</td>
<td>Field Cabinet</td>
</tr>
<tr>
<td>Type 4 Fit</td>
<td>Type 4 Fit</td>
</tr>
<tr>
<td>CP</td>
<td>Circular Pin</td>
</tr>
</tbody>
</table>

INSTALLATION OF CONDUITS AND PARAS IS THE RESIDENCY OF THE LICENSED ELECTRICAL CONTRACTOR

PIEZO – PIEZO