

CONDUITS AND PITS		
SYMBOL		REMARKS
Example 	CONDUITS	E = Electrical (Orange) C = Communications (White) Use leader to indicate number of conduits x size and type, as required.
Example 	PITS RECTANGULAR  PITS CIRCULAR	Indicate within symbol: • Pit Type 1, 3, 4, 7, 8, 60 or 100.  Indicate outside of symbol: • Electrical (E) or Communications (C) • Pit ID#, and if applicable • High Security (HS)

GENERAL	
SYMBOL	TYPE
	Asset to be removed (red cross over symbol) (or red symbol) e.g.
	New asset e.g New ITS Enclosure
	Existing asset e.g Existing ITS Enclosure
	Future asset e.g Future Inductive Loop

SENSORS AND DETECTORS	
SYMBOL	TYPE
	Inductive Loop
	Piezoelectric (Piezo)
	Loop-Loop
	Loop-Piezo-Loop
	Piezo-Loop-Piezo
	Piezo-Piezo
	Single Strain Gauge
	Double Strain Gauge
	Infrared
	Wireless Traffic Sensor (Bluetooth and/or Wi-fi MAC Addresses)
	Radar

INTELLIGENT TRANSPORT SYSTEMS	
SYMBOL	TYPE
	Pole Mounted Camera (Use leader to indicate mounting height, PTZ or Fixed or ANPR, and ID# with any specific function or purpose e.g. AID, Flood Monitoring, WebCam, Video Analytics, etc) Add  for additional camera on same pole. Examples
	Camera (Use leader to indicate mounting height, PTZ or Fixed or ANPR, and ID# with any specific function or purpose e.g. AID, Flood Monitoring, WebCam, Video Analytics, etc)
	Help Phone
	Road Weather Monitor
	Roadway Flood Monitoring
	Ramp Signals

NETWORKING AND CABLES	
SYMBOL	TYPE
	Microwave Antenna
	Cellular Antenna
	Wifi Antenna
	Bluetooth Antenna
	Fibre Optic Splice Closure (FOSC)
	Single Mode Optical Fibre (SMOF) cable
	Multimode Optical Fibre (MMOF) cable
	Coaxial cable
	Twisted pair cable i.e. RS232, CAT5e
Example 	Cables in Conduit e.g. 2 Core 16mm <sup>2</sup> Copper cable + 144 Core Single Mode Optical Fibre cable in Conduit

CABINETS	
SYMBOL	TYPE
	ITS Enclosure Post Top Mounted   Pole Mounted   Integral
	ITS Enclosure
	ITS Enclosure Double
	Network Node Enclosure
	Network Node Enclosure Double

MISCELLANEOUS	
SYMBOL	TYPE
	Solar (PV) Panel Pole Mounted   Panel
	Underground Battery

DYNAMIC SIGNS AND MOUNTING STRUCTURES	
SYMBOL	TYPE
	(Signage Type)
	(Signage Type)
	(Signage Type)
	(Signage Type)
	(Signage Type)
Examples  	(AWS) Advance Warning Sign (CMS) Changeable Message Sign (ESZ) Enhanced School Zone Speed Limit Sign (FWS) Flashing Warning Sign (LUM) Lane Use Management Sign (RCS) Road Condition Information Sign (RIS) Ramp Information Sign (SVA) School Zone Speed Limit Sign Speed Activated (TTS) Travel Time Sign (VAS) Vehicle Activated Sign (VMS) Variable Message Sign (VSL) Variable Speed Limit Sign

### NOTES:

1. Refer to TMR AutoCAD Customisation package.
2. Colour and/or different line weights may be used only where it is necessary to provide improved readability or significantly enhances features.
3. ITS numbering scheme and Asset ID# allocations per TMR requirements.
4. Add Asset ID# and labelling to symbol, where relevant.
5. For networking and cables symbols on layout plans, use leader to indicate details such as Transmission Media Type, Wireless or Ethernet standards, Wireless Frequency, Network Bandwidth, where relevant.

### ACRONYMS:

AID – Automatic Incident Detection  
ANPR – Automatic Number Plate Recognition Camera  
ID# – Identification Number  
ITS – Intelligent Transport System  
MAC – Media Access Control  
PTZ – Pan Tilt Zoom  
PV – Photovoltaic  
TMR – Transport and Main Roads

### ASSOCIATED DEPARTMENTAL DOCUMENTS:

Standard Drawings  
Specifications

### REFERENCED DOCUMENTS:

Departmental Standard Drawings:  
1436 Traffic Signals – Traffic Signals Symbols  
1636 Road Lighting – Road lighting Symbols  
1836 Traffic Signals/Road lighting/ITS – Electrical Symbols

Department of Transport and Main Roads					
ITS		Standard Drawing No		1736	
ITS – SYMBOLS		A3	Not to Scale		Date 5/2026
		A	B	C	