



**NOTES:**

1. Remove supplied terminals labelled 1 to 30.
2. Video Balun to be secured to DIN rail.
3. Power connector of Video Balun to remain unused.
4. BNC coaxial and DC power connectors to be wrapped in self adhesive tape for water ingress protection
5. Cat 6 surge protector to be affixed to DIN rail via DIN rail mount clip.

ASSOCIATED DEPARTMENTAL DOCUMENTS:  
Standard Drawings Specifications

REFERENCED DOCUMENTS:  
Departmental Standard Drawings:  
1635 Traffic Signals – Upper Mounting Assembly and Split Shell Assembly  
1901 ITS – Traffic Monitoring Cabinet Base Installation Details  
1902 ITS – Traffic Monitoring Surveillance Post Typical Details  
1905 ITS – Traffic Monitoring Cabinet Typical Details

Departmental Standard Specifications:  
MRTS203 Provision of Weigh-in-Motion System  
MRTS207 Traffic Monitoring Foundation Equipment  
MRTS250 Provision of Automatic Number Plate Recognition System

**EQUIPMENT SCHEDULE**

EQUIP ID	DESCRIPTION	QUANTITY	COMMENTS
1	Traffic Signals upper mounting and split shell assembly	1	Refer Standard Drawing 1635
2	1-CAT6 Surge Protector with din rail clip and earth cable	1	Connect Earth cable to Earth terminal
3	RJ45 to BNC Video Balun	1	Complete with BNC, DC and Audio connectors
4	Power Surge Protector	1	

**CABLE DETAILS**

CABLE ID	SIZE/TYPE	FROM	SUPPLY CONNECTOR	LABEL	TO	EQUIP CONNECTOR	LENGTH	COMMENTS
C1	CAT6 PE Black	Traffic Monitoring Cabinet	RJ45	PTZ Comms	RJ45 Surge Protector	RJ45	15m RJ45 to RJ45	Refer Standard Drawing 1905, sheet 3
C2	PTZ camera cable	PTZ camera	Terminated in camera	PTZ Cam	Terminals	BNC & Bootlace	1m	Contains camera Power, Video and PTZ Control
C3	CAT5 patch lead	RJ45 surge	RJ45	PTZ	Video Balun	RJ45	300mm Patch lead	
C4	LMR 400 50Ω Coaxial cable	Traffic Monitoring Cabinet	N-Type	Antenna	N-Type Connector	N-Type	15m N-Type to N-Type	Refer Standard Drawing 1905, sheet 3
C5	Antenna fly lead	Antenna	N-Type	Antenna	N-Type Connector	N-Type	Refer manufacturer spec	
C6	Coaxial lead	Video Balun	N/A	Video	BNC Connector	N-Type female	Refer manufacturer spec	
P1	2C 4mm² PVC/PVC	Traffic Monitoring Cabinet	16mm Bootlace	PTZ Power	Power Surge Protector	16mm Bootlace	15m Bootlace to Bootlace	Refer Standard Drawing 1905, sheet 3
E1	4mm² Earth cable	Traffic Monitoring Cabinet Earth	6mm Bootlace	PTZ Earth	Earth Terminals	6mm Bootlace	15m Bootlace to Bootlace	Refer Standard Drawing 1905, sheet 3
E2	4mm² Earth cable	Power Surge (Line) Earth	6mm Bootlace	Supply Earth	Earth Terminals	6mm Bootlace	200mm Bootlace to Bootlace	
E3	4mm² Earth cable	Power Surge (Equip) Earth	4mm Bootlace	PTZ Earth	Earth Terminals	4mm Bootlace	200mm Bootlace to Bootlace	

Department of Transport and Main Roads			
ITS			
TRAFFIC MONITORING SURVEILLANCE POST WIRING DETAILS		A3 Not to Scale	Standard Drawing No <b>1903</b> Date 7/19