

Series 1500: Motorway Communications

<i>Item</i>	<i>Root Narrative</i>	<i>Unit</i>
Locating Buried Communications Cable		
1	Locating buried communications cable in 1*	m
Trench for Communications Cable or Duct (05/01)		
2	(05/01) Trench for communications 2*3* wide depth 4* in 1*	m
Communications Cable and Communications Duct (05/01)		
3	(05/01) 5*6*7*8* communications cable 18* in trench depth 4*	m
4	(05/01) 35* 33* diameter communications duct specified design 26* in trench depth 4* 31*	m
5	(05/01) 35* 33* diameter 32* communications duct in trench depth 4* 31*	m
Communications Cable Joints and Terminations		
6	9*5*6*7*8* cable with 5*6*7*8* cable	no
7	9*5*6*7*8* cable with 5*6*7*8* cable and 5*6*7*8* cable	no
8	Termination of 5*6*7*8* cable to 10* in 11*	no
Communications Equipment		
9	14*18*24* on/in 13*18*24* including 12*17*24*	no
10	15*18*24* on/in 16*18*24* and 14*18*24* on/in 13*18*17*24*	no

Remove from Store and Re-install Communications Cabling and Equipment

11	19*5*6*7*8* communications cable 18*	m
12	19*14*18* on/in 13*18*19* including 12*17*	no
13	19*15*18* on/in 16*18*19* and 14*18*19* on/in 13*18*19*17*	no

Loop Detector Installations

14	Loop detector installation 20*21* in 22*17*	no
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Site Records

15	Site records	Item
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Stage 2 Commissioning of Cable

16	Stage 2 commissioning of 5*6*7*8*23*	Item
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Modifications to Existing Communications Equipment

17	25*14*24* on/in 13*24* including 12*24*17*	Item
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Chambers

18	Chamber specified design group 28* with 29* and frame depth to uppermost surface of base slab 34*	no
19	30* chamber with 29* and frame depth to uppermost surface of base slab 34*	no

<i>Group</i>	<i>Variables</i>	
1* (05/01)	(i) (ii) (iii) (iv) etc	=carriageways, footways, bridge decks and paved areas =verges and central reserves =side slopes of cuttings or side slopes of embankments =[other stated location]
2*	(i) (ii)	=cable =duct
3*	(i) (ii) (iii) (iv) (v) (vi) etc	=not exceeding 300 mm =exceeding 300 mm but not exceeding 450 mm =exceeding 450 mm but not exceeding 600 mm =exceeding 600 mm but not exceeding 750 mm =exceeding 750 mm but not exceeding 900 mm =[stated width]
4*	(i) (ii) etc	=not exceeding 1.5 metres =exceeding 1.5 metres but not exceeding 2.0 metres (and so on in steps of 0.5 metres)
5*	(o) (i) (ii) (iii) (iv) (v) (vi) (vii) (viii) (ix) etc	=No entry =0.9mm dia =2.5mm ² =6mm ² =10mm ² =16mm ² =25mm ² =50 ohms =75 ohms =[stated Type]
6*	(o) (i) (ii) (iii) (iv) (v) (vi) (vii) (viii) (ix) (x) (xi) (xii) (xiii) (xiv) (xv) (xvi) etc	=No entry =single core =2 core =3 core =1 pair =2 pair =6 pair =8 pair =12 pair =20 pair =24 pair =30 pair =2 core/3 pair/8 multi mode =2 core/8 pair/8 mono mode =Coaxial with 21 core =Coaxial with 35 core =[stated Type]

7*	(o) (i) (ii) (iii) (iv) (v) (vi) (vii) (viii) (ix) (x) (xi) (xii) etc	=No entry =PVC/SWA/PVA =PVC/ASA/PVC =double insulated =split concentric =coaxial =communications =telephone =fibre optic =composite copper/fibre optic =interrupter =loop detector feeder =[stated Type]
8*	(o) (i)	=No entry =armoured
9*	(i) (ii) (iii) (iv) (v) (vi) etc	=straight joint =straight joint in loop detector chamber, box or pit =tee joint =breeches joint =breeches joint in loop detector chamber, box or pit =[stated Type]
10*	(i) (ii) (iii) (iv) (v) (vi) (vii) (viii) (ix) (x) (xi) (xii) (xiii) (xiv) (xv) (xvi) (xvii) (xviii) (xix) (xx) (xxi) etc	=Electricity suppliers interface =British Telecom interface =Telephone =Responder =Signal =Loop detectors =Basic Network cable =Fibre optic cable =Variable message sign responder =Lighting control =Meteorological equipment =Telephone bridge unit =CCTV =Video amplifier =Carrier =Meteorological equipment =Telephone responder =Signal transponder =ATS transponder =VMS transponder =[stated Type]
11*	(i) (ii) (iii) (iv) (v) (vi)	=gantry distribution box Type [direct entry] =feeder pillar Type [direct entry] =cabinet Type [direct entry] =telephone Type [direct entry] =signal post distributor box Type [direct entry] =gantry distribution unit Type [direct entry]

	(vii)	=camera pole
	(viii)	=box Type [direct entry]
	(ix)	=sign lighting control and distribution cabinet
	(x)	=connection box
	(xi) etc	=[stated Type]
12*	(o)	=No entry
	(i)	=paved area and footing
	(ii)	=footing
	(iii)	=paved area
	(iv)	=base and footing
	(v)	=plinth and skirt Type [direct entry] supplied by the Overseeing Organisation
	(vi)	=paved area and base
	(vii)	=paved area, plinth and skirt Type [direct entry] supplied by the Overseeing Organisation
	(viii) etc	=[stated Type]
13*	(o)	=No entry
	(i)	=CCTV camera pole
	(ii)	=lighting column
	(iii)	=fibre optic cabinet
	(iv)	=telephone post Type [direct entry]
	(v)	=post Type [direct entry]
	(vi)	=post Type [direct entry] with post extension
	(vii)	=housing Type [direct entry]
	(viii)	=Motorwarn post and backing board
	(ix)	=cabinet Type [direct entry]
	(x)	=transmission station building
	(xi) etc	=[stated Type]
14*	(o)	=No entry
	(i)	=One way signal Type [direct entry]
	(ii)	=Two way signal Type [direct entry]
	(iii)	=Signal Type [direct entry] for [direct entry] lane(s)
	(iv)	=Signal Type [direct entry]
	(v)	=Variable message sign (VMS)
	(vi)	=Meteorological equipment
	(vii)	=Telephone Type [direct entry] in housing Type [direct entry]
	(viii)	=Motorwarn equipment Type [direct entry]
	(ix)	=CCTV camera with pan and tilt head
	(x)	=CCTV camera with fixed bracket
	(xi)	=Connector box
	(xii)	=Box Type [direct entry]
	(xiii)	=Additional box Type [direct entry]
	(xiv)	=Power distribution unit (PDU)
	(xv)	=Power distribution unit and heater
	(xvi) etc	=[stated Type]

15*	<ul style="list-style-type: none"> (o) =No entry (i) =detector unit for [direct entry of number] road loop(s) (ii) =video launch amplifier (iii) =video intermediate amplifier (iv) =2 video intermediate amplifiers (v) =video terminal amplifier (vi) =video coaxial amplifier (vii) =Type [direct entry] cabinet (viii) =capacitors and tag strip (ix) =multiway terminal connectors (x) etc =[stated Type]
16*	<ul style="list-style-type: none"> (o) =No entry (i) =British Telecom interface (ii) =Electricity suppliers interface (iii) =local power cabinet equipment (iv) =loading frame Type [direct entry] (v) =lighting control (vi) =responder Type [direct entry] (vii) =telephone bridge unit (viii) =signal transponder (ix) =ATS transponder (x) =VMS transponder (xi) =MET transponder (xii) =telephone responder (xiii) =CCTV camera control equipment (xiv) =new empty 19" rack (xv) =existing 19" rack (xvi) =transmission rack 2400 series (xvii) =fibre optic transmission (xviii) etc =[stated equipment]
17*	<ul style="list-style-type: none"> (o) =No entry (i) etc =[stated location reference]
18*	<ul style="list-style-type: none"> (o) =No entry (i) =supplied by the Overseeing Organisation
19*	<ul style="list-style-type: none"> (i) =Remove from store and re-install (ii) =Removed from store and re-installed
20*	<ul style="list-style-type: none"> (i) =Type 1 single lane (ii) =Type 2 double lane (iii) =Type 3 three lane (iv) =Type 4 four lane (v) =Type 5 five lane (vi) =Type 6 six lane (vii) etc =[stated Type]

21*	(o) (i)	=No entry =and hard shoulder
22*	(o) (i)	=No entry =existing pavement
23*	(i) etc	=[stated section]
24*	(o) (i) etc	=No entry =[stated size]
25*	(o) (i)	=No entry =Modification to
26*	(i) etc	=[stated Type for duct]
27*(05/01)	*Not used	
28*	(i) (ii) (iii) (iv) (v) (vi) (vii) (viii) (ix) etc	=Type 1 =Type 2 =Type 3 =Type 4 =Type 5 =Type 6 =Type 7 =Type 8 =[stated group or Type]
29*	(i) etc (ii) etc	=[stated Type of cover] =[stated Type of grating]
30*	(i) (ii) (iii) etc	=Brick =Pre-cast concrete =[stated Type]
31*	(o) (i)	=No entry =in side slopes of cuttings or side slopes of embankments
32*	(i) (ii) (iii) (iv) (v) (vi) (vii)	=vitrified clay - standard strength =vitrified clay - extra strength =vitrified clay - super strength =vitrified clay - higher strength =vitrified clay - perforated =concrete strength Class L =concrete strength Class M

	(viii)	=concrete strength Class H
	(ix)	=concrete strengthened by glass fibre rovings or galvanised steel fibres
	(x)	=concrete - perforated
	(xi)	=concrete - porous
	(xii)	=concrete - standard
	(xiii)	=asbestos cement Class L
	(xiv)	=asbestos cement Class M
	(xv)	=asbestos cement Class H
	(xvi)	=plastic - glass reinforced
	(xvii)	=iron - ductile Class K9
	(xviii)	=UPVC
	(xix)	=UPVC - perforated or slotted
	(xx)	=plastic
	(xxi)	=plastic - perforated
	(xxii)	=corrugated steel
	(xxiii)	=vitrified clay
	(xxiv)	=ductile cast iron
	(xxv)	=ultrarib
	(xxvi) etc	=[stated Type]
33*(05/01)	(i)	=[stated diameter of duct]
34*	(i)	=not exceeding 1 metre
	(ii)	=exceeding 1 metre but not exceeding 2 metres (and so on in steps of 1 metre)
35*(05/01)	(i)	=[stated number of ducts]