



## Brisbane City Council Traffic Signals Standard Drawings - UMS 600 Series

*Dedicated to a better Brisbane*

***Series Renumbering - New Drawing Numbers Referenced to Previous Drawings Numbers***

<b>New Drawing No.</b>	<b>Old Drawing No.</b>	<b>Current Revision</b>	<b>Revision Date</b>	<b>Drawing Title</b>
<b>ELECTRICAL CONNECTION</b>				
UMS 600/010	UMS 610	B	Sept '10	Electrical cable clearances
UMS 600/011	UMS 611	C	Sept '10	Mains connection to Energex equipment overhead
<b>CABLES, CONDUITS AND LOOPS</b>				
UMS 600/020	UMS 617	C	Sept '10	General arrangement for access to cable joining pit (saw cut entry)
UMS 600/021	UMS 650	C	Sept '10	Vehicle detector loop installation details
UMS 600/022	UMS 651	C	Sept '10	Vehicle detector loop installation details general use & redlight cameras
UMS 600/023	New Drawing	A	Sept '10	Vehicle detector loop installation details counting & bicycle loops
UMS 600/024	UMS 618	B	Sept '10	Traffic signal ducts installation detail low voltage (240V) conduits
UMS 600/025	UMS 653	B	Sept '10	2 core cable protection at pit end only
UMS 600/026	UMS 618	A	Sept '10	Traffic signal ducts installation detail extra low voltage
<b>PITS AND COVERS</b>				
UMS 600/030	UMS 620	C	Sept '10	Cable pit covers types 3, 4, 7 & 8 and circular pits
UMS 600/031	UMS 622	C	Sept '10	Cable pit types 3, 4, 7 & 8 and circular pits
UMS 600/032	UMS 623*	C	Sept '10	Replacement pit cover existing round to square pit types
UMS 600/033	UMS 630	C	Sept '10	Controller base installation details
<b>INSTALLATION BRACKETS</b>				
UMS 600/040	UMS 646	C	Sept '10	Traffic signal post top assembly & lower mounting bracket
UMS 600/041	UMS 647	B	Sept '10	Traffic signal junction box and earthing detail for M.E.N. for joint use pole
UMS 600/042	New Drawing	A	Sept '10	Adjustable 'Z' bracket for 200mm lanterns
UMS 600/043	New Drawing	A	Sept '10	Tee-bar strap for dual lanterns
UMS 600/044	New Drawing	A	Sept '10	Mounting bracket for audio tactile housing on mast arms and type 6 posts
UMS 600/045	New Drawing	A	Sept '10	Lock washers
UMS 600/046	New Drawing	A	Sept '10	Assembly detail of lock washers

New Drawing No.	Old Drawing No.	Current Revision	Revision Date	Drawing Title
<b>POSTS AND MAST ARMS</b>				
UMS 600/050	UMS 612	C	Sept '10	Traffic signal post & pole installation
UMS 600/051	UMS 640	D	Sept '10	Post details
UMS 600/052	UMS 641	B	Sept '10	Joint use column details (BCC type)
UMS 600/053	UMS 642	B	Sept '10	Mast arm details 2.5 & 5.0m outreach (BCC type)
UMS 600/054	UMS 644	C	Sept '10	Joint use traffic signal and road lighting pole (BCC type)
UMS 600/055	UMS 645	C	Sept '10	Joint use mast arm 2.5 & 5.0m outreach (rate 2)
UMS 600/056	New Drawing	A	Sept '10	8.5m outreach joint use mast arms baseplate mounted
UMS 600/057	New Drawing	A	Sept '10	11.0m outreach joint use mast arms baseplate mounted
<b>FOOTINGS AND FOUNDATIONS</b>				
UMS 600/060	UMS 613	E	Sept '10	Traffic signal footing details
UMS 600/061	UMS 649	B	Sept '10	Ragbolt assemblies pedestal
UMS 600/062	UMS 619	B	Sept '10	Spread footing details 4.1m traffic signal and 1.7m push button posts
UMS 600/063	UMS 648	C	Sept '10	Ragbolt assemblies mast arm 2.5 & 5m outreach
UMS 600/064	UMS 690	A	Sept '10	8.5m & 11.0m joint use mast arms footing details and notes
<b>INTELLIGANT TRANSPORT SYSTEMS</b>				
UMS 600/070	UMS 680	C	Sept '10	Bus post for variable message sign (20 character sign)
<b>INSTALLATION REQUIREMENTS</b>				
UMS 600/080	UMS 661	C	Sept '10	Typical positioning of traffic signal components at intersections
UMS 600/081	UMS 662	C	Sept '10	Typical positioning of traffic signal components at mid-block locations
UMS 600/082	New Drawing	A	Sept '10	Standard drawing sheet for 19 core cable
UMS 600/083	UMS 667	C	Sept '10	Standard drawing sheet for 29 core cable
UMS 600/084	New Drawing	A	Sept '10	Standard drawing sheet for 36 core cable
UMS 600/085	UMS 668	C	Sept '10	Standard drawing sheet for 51 core cable
UMS 600/086	UMS 631	B	Sept '10	Controller terminal layout

**NOTE:** Round Pit Type Shown in Previous Revision Of UMS 623 No Longer To Be Used By Council. Council Has Decided To Adopt Qld Main Roads Dwg 1415 (And Associated Collar and Cover - Dwgs 1416 And 1417)

The following drawings have been removed from service and/or replaced by other drawings in the series:

New Drawing No.	Old Drawing No.	Current Revision	Revision Date	Drawing Title
	UMS 614			Typical safety provisions for traffic signal installation work
	UMS 615			Typical intersection excavations and installation of component – mid block
	UMS 616			Typical intersection excavations and installation of component – intersection
	UMS 620			Cable jointing pit and cover No. 1 Drawing now UMS 600/030 - Cable pit covers types 3, 4, 7 & 8
	UMS 621			Cable jointing pit and cover No. 4
	UMS 622			Pit drawings No. 8, pit with lid
	UMS 624			Pit cover No. 2
	UMS 631			Label terminal layout
	UMS 643			Mast arm methods of installation
	UMS 652			Symmetripole loop test procedures
	UMS 654			Preformed vehicle detection loop installation details
	UMS 660			Traffic signal symbols
	UMS 663			Typical cable installation plan for a signalised roundabout
	UMS 664			Typical cable installation plan for a complex 4 way intersection
	UMS 665			Typical cable installation plan for a standard 4 way intersection
	UMS 666			Typical cable installation plan for a tee intersection



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Old Drawing No.	New Drawing No.	Current Revision	Revision Date	Drawing Title
UMS 610	UMS 600/010	B	Jan '11	Electrical cable clearances
UMS 611	UMS 600/011	C	Jan '11	Mains connection to Energex equipment overhead
UMS 612	UMS 600/050	C	Jan '11	Traffic signal post & pole installation
UMS 613	UMS 600/060	E	Jan '11	Traffic signal footing details
UMS 614	Drawing Withdrawn From Service			
UMS 615	Drawing Withdrawn From Service			
UMS 616	Drawing Withdrawn From Service			
UMS 617	UMS 600/020	C	Jan '11	General arrangement for access to cable joining pit (saw cut entry)
UMS 618	UMS 600/024	B	Jan '11	Traffic signal ducts installation detail low voltage (240V) conduits
	UMS 600/026	A	Jan '11	Traffic signal ducts installation detail extra low voltage
UMS 619	UMS 600/062	B	Jan '11	Spread footing details 4.1m traffic signal and 1.7m push button posts
UMS 620	UMS 600/030	C	Jan '11	Cable pit covers types 3, 4, 7 & 8 and circular pits
UMS 621	Drawing Withdrawn From Service			
UMS 622	UMS 600/031	C	Jan '11	Cable pit types 3, 4, 7 & 8 and circular pits
UMS 623	UMS 600/032	C	Jan '11	Replacement pit cover existing round to square pit types
	Qld Main Roads Dwg 1415			Traffic Signals/Road Lighting - Circular Cable Joining Pit - 600 Diameter
	Qld Main Roads Dwg 1416			Traffic Signals/Road Lighting - Collar for 600 Diameter Circular Cable Joining Pit
	Qld Main Roads Dwg 1417			Traffic Signals/Road Lighting - Cover for 600 Diameter Circular Cable Joining Pit (2 Sheets)
UMS 624	Drawing Withdrawn From Service			
UMS 630	UMS 600/033	C	Jan '11	Controller base installation details
UMS 631	UMS 600/086	B	Jan '11	Controller terminal layout
UMS 640	UMS 600/051	D	Jan '11	Post details

Old Drawing No.	New Drawing No.	Current Revision	Revision Date	Drawing Title
UMS 641	UMS 600/052	B	Jan '11	Joint use column details (BCC type)
UMS 642	UMS 600/053	B	Jan '11	Mast arm details 2.5 & 5.0m outreach (BCC type)
UMS 643	Drawing Withdrawn From Service			
UMS 644	UMS 600/054	C	Jan '11	Joint use traffic signal and road lighting pole (BCC type)
UMS 645	UMS 600/055	C	Jan '11	Joint use mast arm 2.5 & 5.0m outreach (rate 2)
UMS 646	UMS 600/040	C	Jan '11	Traffic signal post top assembly & lower mounting bracket
UMS 647	UMS 600/041	B	Jan '11	Traffic signal junction box and earthing detail for M.E.N. for joint use pole
UMS 648	UMS 600/063	C	Jan '11	Ragbolt assemblies mast arm 2.5 & 5m outreach
UMS 649	UMS 600/061	B	Jan '11	Ragbolt assemblies pedestal
UMS 650	UMS 600/021	C	Jan '11	Vehicle detector loop installation details
UMS 651	UMS 600/022	C	Jan '11	Vehicle detector loop installation details general use & redlight cameras
UMS 652	Drawing Withdrawn From Service			
UMS 653	UMS 600/025	B	Jan '11	2 core cable protection at pit end only
UMS 654	Drawing Withdrawn From Service			
UMS 660	Drawing Withdrawn From Service			
UMS 661	UMS 600/080	C	Jan '11	Typical positioning of traffic signal components at intersections
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UMS 663	Drawing Withdrawn From Service			
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UMS 665	Drawing Withdrawn From Service			
UMS 666	Drawing Withdrawn From Service			
UMS 667	UMS 600/083	C	Jan '11	Standard drawing sheet for 29 core cable
UMS 668	UMS 600/085	C	Jan '11	Standard drawing sheet for 51 core cable
UMS 680	UMS 600/070	C	Jan '11	Bus post for variable message sign (20 character sign)
UMS 690	UMS 600/064	A	Jan '11	8.5m & 11.0m joint use mast arms footing details and notes
New Drawing	UMS 600/023	A	Jan '11	Vehicle detector loop installation details counting & bicycle loops
New Drawing	UMS 600/026	A	Jan '11	Traffic signal ducts installation detail extra low voltage conduits
New Drawing	UMS 600/042	A	Jan '11	Adjustable 'Z' bracket for 200mm lanterns
New Drawing	UMS 600/043	A	Jan '11	Tee-bar strap fo rdual lanterns

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New Drawing	UMS 600/044	A	Jan '11	Mounting bracket for audio tactile housing on mast arms and type 6 posts
New Drawing	UMS 600/045	A	Jan '11	Lock washers
New Drawing	UMS 600/046	A	Jan '11	Assembly detail of lock washers
New Drawing	UMS 600/056	A	Jan '11	8.5m outreach joint use mast arms baseplate mounted
New Drawing	UMS 600/057	A	Jan '11	11.0m outreach joint use mast arms baseplate mounted
New Drawing	UMS 600/082	A	Jan '11	Standard drawing sheet for 19 core cable
New Drawing	UMS 600/084	A	Jan '11	Standard drawing sheet for 36 core cable

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