

SCOPE OF WORKS:

The following notes are as applicable. If in doubt please contact Brisbane City Council, Congestion Reduction Unit, Traffic Signal Operations at CRUcorrespondence@brisbane.qld.gov.au.

- SUPPLY AND INSTALL DUCTS AND PITS AS PER DRAWING COMPLETE WITH DRAW WIRE. REQUESTS TO BE SUBMITTED VIA CRUcorrespondence@brisbane.qld.gov.au.
- SUPPLY AND INSTALL TRAFFIC SIGNAL CONTROLLER AND TOPHAT WITH STANDARD BCC EQUIPMENT. CONTROLLER AND TOPHAT TO BE PURCHASED BY CONTRACTOR AND SUPPLIED TO CITY STANDARDS - TRAFFIC NETWORK SERVICES TO BE FITTED OUT TO BCC STANDARDS AT THE CONTRACTORS EXPENSE.
- SUPPLY AND INSTALL MINIMUM 16mm² CORE CONSUMER MAINS FROM ELECTRICAL POINT OF SUPPLY TO CONTROLLER.
- SUPPLY AND INSTALL TRAFFIC SIGNAL HARDWARE AS PER EQUIPMENT SCHEDULE.
- SUPPLY AND INSTALL NEW CABLE IN ACCORDANCE WITH CABLE CONNECTION DETAIL. ENSURE LOOP IS PROVIDED AT CONTROLLER TERMINALS FOR FAULT LOOP IMPEDANCE TESTING.
- SUPPLY AND INSTALL LOOP DETECTORS AND LOOP DETECTOR FEEDER CABLES FROM CONTROLLER TO ALL LOOPS AS SHOWN IN THE DRAWING.
- CYBERLOCK CYLINDER CL-PH30 TO BE INSTALLED IN THE DOORS OF BOTH CONTROLLER AND TOPHAT. CYLINDERS TO BE SUPPLIED AND CONFIGURED BY CITY STANDARDS - TRAFFIC NETWORK SERVICES AT THE CONTRACTORS EXPENSE. CONTRACTOR WILL REQUIRE A CYBERKEY TO ACCESS CABINETS DURING CONSTRUCTION AND DEFECTS PERIOD. CONTRACTOR TO PROVIDE CYBERKEY DETAILS TO TRAFFIC NETWORK SERVICES FOR ACCESS ENROLMENT.
- CUSTOM FOOTING REQUIRED FOR POST X. CONTRACTOR TO PROVIDE CERTIFIED FOOTING DESIGN AND A PHOTO OF THE EXCAVATED HOLE WITH A TAPE MEASURE SHOWING THE DEPTH.
- POST X REQUIRES 2m DEEP FOOTING FOR CAMERA INSTALLATION AS PER BSD-4130.
- INSTALL AND COMMISSION NEW CONTROLLER PERSONALITY.

NOTES:

- BRISBANE CITY COUNCIL TRAFFIC SIGNALS POINT OF CONTACT: CONGESTION REDUCTION UNIT - TRAFFIC NETWORKS - TELEPHONE: (07) 3403 8888.
- ALL LANTERNS TO BE 200mm CENTRAL LIGHT SOURCE (CLS) LED TYPE EXCEPT WHERE SPECIFIED OTHERWISE.
- ALL NEW MAST ARMS TO INCLUDE LUMINAIRE TRANSITION SPIGOT.
- UPPER MOUNTING ASSEMBLY TO INCLUDE PVC DIN RAIL, STAINLESS STEEL BRACKET, FINIAL COVER BAG AND OTHER COUNCIL SPECIFIC PARTS. REFER TO BSD-4101.
- PITS AND CONDUITS TO BE SUPPLIED AND INSTALLED TO BCC STANDARDS. LOOP JOINTING PITS TO BE NO.3 TYPE. ALL OTHERS TO BE CIRCULAR TYPE EXCEPT WHERE SPECIFIED OTHERWISE. ENTRY OF LOOP FEEDER CABLES INTO THE LOOP PITS SHALL BE AS PER SECTION A OF THE DTMR STANDARD DRAWING SD1424. INSTALLATION OF LOOPS IN THE ROAD TO CONFORM WITH BCC STANDARD DRAWINGS BSD-4012.
- INSTALL 1 X 100mm HEAVY DUTY ELECTRICAL CONDUIT FROM SIGNAL POST TO NEAREST PIT.
- INSTALL 1 X 80mm HEAVY DUTY ELECTRICAL CONDUIT FROM LOOP JOINTING PIT TO NEAREST SIGNAL PIT.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY SERVICE LOCATIONS PRIOR TO ANY EXCAVATION.
- ANY CONFLICTS BETWEEN EXISTING SERVICES AND SIGNAL CONDUITS TO BE RESOLVED BY THE CONTRACTOR IN CONSULTATION WITH THE PRINCIPAL. TRAFFIC SIGNAL PITS ARE GENERALLY DESIGNED TO BE INSTALLED IN THE ELECTRICAL ALIGNMENT (0-900 FROM RP). WHERE POSSIBLE THEY ARE TO BE INSTALLED 600MM FROM THE RP TO THE CENTRE OF PIT, THIS TO MAINTAIN MAXIMUM DISTANCE FROM EXISTING / PROPOSED ENERGEX ASSETS AND AVOID CONFLICTS. WHERE CONFLICTS ARISE WITH ENERGEX AND OTHER SERVICES, WITH PRINCIPAL APPROVAL, CIRCULAR PITS MAY BE SPLIT AND CUT SHALLOWER AND TYPE 8 PITS TO BE REPLACED WITH SHALLOWER TYPE 6 PITS (PROVIDED THAT CONDUITS ARE STILL AT DEPTH WHEN ENTERING AND EXITING PITS). THIS ENABLES PITS TO BE INSTALLED OVER ENERGEX ASSETS WITHOUT CONFLICT.
- BRISBANE CITY COUNCIL EQUIPMENT TO BE PURCHASED FROM BRISBANE CITY COUNCIL AT CONTRACTORS EXPENSE. CONTACT CITY STANDARDS - TRAFFIC NETWORK SERVICES - TRAFFIC SIGNAL OPERATIONS COORDINATOR - TELEPHONE: (07) 3403 8888 FOR COST ESTIMATION.
- THE CONTRACTOR TO SETUP A PRE-START MEETING BETWEEN THE CIVIL CONTRACTOR, ELECTRICAL CONTRACTOR, SUPERINTENDENT/REPRESENTATIVE AND CONGESTION REDUCTION UNIT. PRE-START MEETING TO BE COMPLETED 3 DAYS PRIOR TO STARTING ANY CIVIL WORKS ASSOCIATED WITH THE INSTALLATION OF TRAFFIC SIGNALS. REQUEST FOR THE PRE-START MEETING TO BE SENT TO CRUcorrespondence@brisbane.qld.gov.au.
- CONTROLLER PERSONALITY TO BE CONFIGURED BY BRISBANE CITY COUNCIL. CONTRACTOR TO SUBMIT PERSONALITY REQUEST FORM TO BRISBANE CITY COUNCIL, CONGESTION REDUCTION UNIT - TRAFFIC NETWORKS. MINIMUM 4 WEEKS NOTICE REQUIRED. BLANK FORM TO BE SOURCED FROM CONGESTION REDUCTION UNIT - TRAFFIC NETWORKS - TELEPHONE: (07) 3403 8888.
- THE CONTRACTOR IS TO PROVIDE A NOTIFICATION TO COUNCIL VIA THE SUPERINTENDENT'S REPRESENTATION OF THE EXPECTED DATE FOR REACHING PRACTICAL COMPLETION. THE SUPERINTENDENT'S REPRESENTATIVE WILL CARRY OUT ALL PRE-COMMISSIONING INSPECTIONS AND PROVIDE ALL INSPECTION REPORTS, DEFECT LISTS AND ELECTRICAL TEST RESULT TO CONGESTION REDUCTION UNIT. ALL DEFECTS DETERMINED BY THE SUPERINTENDENT'S REPRESENTATIVE OR CONGESTION REDUCTION TO BE SAFETY CRITICAL SHALL BE RECTIFIED PRIOR TO COMMISSIONING OF THIS SITE.
- LOOP DETECTORS TO BE INSTALLED PRIOR TO LAYING FINAL SURFACE. FOR MINIMUM DEPTH OF ASPHALT AT LOOP LOCATIONS REFER TO BSD-4011.
- INSTALLATION OF TRAFFIC SIGNALS TO BE IN ACCORDANCE WITH BRISBANE CITY COUNCIL STANDARD DRAWINGS AND AUSTRALIAN STANDARDS.
- ELECTRICAL POINT OF SUPPLY TO BE REQUESTED THROUGH BRISBANE CITY COUNCIL, MINIMUM 4 WEEKS NOTICE REQUIRED. REQUESTS TO BE SUBMITTED VIA CRUcorrespondence@brisbane.qld.gov.au.
- ELECTRICAL CONTRACTOR TO SUBMIT FORM 2 TO ENERGEX ON COMPLETION OF WORK.
- TRAFFIC SIGNALS CONTRACTOR TO ENSURE NO OBSTRUCTION TO PRIMARY LANTERN STOPPING SIGHT LINE OCCURS AS A RESULT OF INFRASTRUCTURE OR LANDSCAPING INSTALLATION DURING CONSTRUCTION.
- LONG CLOSED VISORS ARE 300mm LONG.
- ONLY 1M OF SLACK CABLE TO BE INSTALLED IN THE PIT AT EACH TRAFFIC SIGNAL POST.
- DRAINAGE OF PITS TO BE IN ACCORDANCE WITH DTMR STANDARD DRAWING SD1314.

Last Modified: - Mar 10, 2023 - 11:23am
XREFS :-

LEAVE THIS SPACE FREE FOR BCC USE					Project		Title		Design		Drawn		Checked		Authorised for Issue	
					INSERT CONSULTANTS LOGO AND DETAILS		TRAFFIC SIGNAL INSTALLATION DETAILS		#####		#####		#####		ORIGINAL SIGNED BY: #####	
					Signal Design Accepted ORIGINAL SIGNED BY:		Comments: (State 'No Comments' if none)		Reference No. #####		Scale #####		Project Number / Sheet ##### / ####		Issue ###	
					Traffic Signal Operations		Site No.: #####									

THE PURPOSE OF THIS STANDARD DRAWING IS TO PROVIDE TYPICAL DETAILS THAT SUPPORT THE DESIRED OUTCOMES OF THE BRISBANE CITY PLAN 2014 AND ASSOCIATED PLANNING SCHEME POLICIES. THE FITNESS FOR PURPOSE OF THIS STANDARD DRAWING FOR A SPECIFIC PROJECT SHOULD BE ASSESSED AND ACCEPTED BY AN APPROPRIATELY QUALIFIED DESIGNER AND/OR REGISTERED PROFESSIONAL ENGINEER OF QUEENSLAND (RPEQ).



BRISBANE CITY COUNCIL STANDARD DRAWING
STANDARD TRAFFIC SIGNALS INSTALLATION DRAWING DETAILS SHEET

PUBLISH DATE		JUN 2023
SCALE		NOT TO SCALE
DRAWING NUMBER		BSD-4207
ORIGINAL SIZE	REVISION	
A3	E	