

GENERAL

CMI S

1. This site should be installed in accordance with this and other issued drawings. Any discrepancies/variations should be discussed and agreed with the designer/local authority representative prior to commencing works.
2. Drawing to be reproduced in colour.
3. Works to be completed in accordance with the Local Authority specification, appendices and standard details.
4. BMBC Traffic Signal Engineer Contact: Daniel Ellis: 07341 096906

1. Traffic signal signaling should be orange in color, high density polyethylene of 100mm dia, with Traffic Signal marked at all intervals. Draw ropes should be provided in the duct curs in the use of pulling cable. The maximum bend in ducting should not exceed 45 degrees radius. Ducting to extend 50mm into chambers, no excess will be permitted.
2. Ducts in the carriage to have a minimum of 750mm cover, ducts in the footway/verge to have a minimum of 450mm cover.
3. Loop units to be installed at 150mm from kerb face. Should any be installed flush with the kerb, these will need to be renewed at the contractors expense.
4. Orange 50mm dia, duct under kerb to be laid between each carriage loop curb and identified access cable. Red bung from loop curb not to be discarded. Should no bungs or (suitable water ingress protection alternative) not be present when installing the loops, the Contractor shall provide additional red bungs or an alternative solution per written to the approval of the Barmsey MBC Traffic Signal Engineer.
5. All prices to be positioned as per standard details. Any deviations are to be agreed with Barmsey MBC Traffic Signal Engineer prior to installation.

SIGNING AND LINING

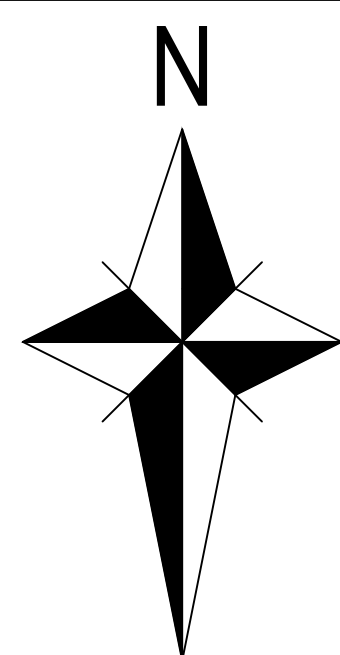
1. All road markings shown on traffic signal drawing are indicative only. Refer to issued road marking drawing for correct layouts and references.

TRAFFIC SIGNAL EQUIPMENT

1. Traffic Signal equipment will be installed by other specialist contractor once dusting, retention scooters, chambers, cabinet bases, etc. have been installed by the Main Contractor. All traffic signal street furniture/equipment installed on site to be black in colour.
2. The Contractor will provide an unmetred power supply to new MEC610. The Traffic Signal Installer will provide detail Contractor with details of the electrical supply required. The Traffic Signal Installer will provide a separate cut-out in the MEC610 and connect up the supply into the controller/VMS.
3. Main Contractor to cut/install all vehicle detector loops in the carriageway surface as per the standard details/specification. Where applicable, stop line loops to be cut 2m from the associated stop line.

Traffic Signal Equipment

- Standard base straight signal pole (black in colour), to fit NAL RS115x60/0DF
- 3 Aspect, ELV LED, R/A/G Signal Head with Primary hood
- ELV LED 48V DC - Combined nearside R/G pedestrian indicator unit with push button facility, including all internal and external tactile equipment, for use on Puffin crossing (audible equipment installed but not used)
- ELV LED 48V DC - Push button demand unit (only on R/G indicators), including all internal and external tactile equipment, for use on Puffin crossing (audible equipment installed but not used)
- Photo electric cell (PEC) including bayonet fitting
- Above ground pedestrian detection - on crossing detector
- ELV STS65 junction signal controller in large cabinet (black) with UTMWC OTU, Traffic Signal Installer to free issue base to Controller cabinet upon receipt. Power feed to be taken from adjacent signal leader pillar. See Appendix 12/5 for full specification. Link cable to be installed between the new controller and the existing controller at Twilvet Street. Cable to have sufficient spare capacity for the future loops to be connected once adjacent site is refurbished.
- Traffic Signal Installer shall provide fuse cut-out and electrical feed into adjacent signal controller.
- CCTV (bullet) camera attached to signal pole. See Appendix 12/5 for full specification.
- ANPR (Pipis) camera. See Appendix 12/5 for full specification.



Warehouse

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Rev.	By	Amendments	Date



BARNSELEY
Metropolitan Borough Council

Project	A61 Old Mill Lane River bridge Widening Scheme
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Drawing title

Traffic Signals
Design

Scale As Shown @ A0	Drawn D. Ellis	Checked	Date Oct. 2021
Drawing No. TS/125/002 (Design)			File TS-125

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