

Bedford St/Bristol Rd Traffic Signals Upgrade

Client: -Brighton and Hove City Council Traffic Signals Team

Contract value: - £62.5k

Date: -Spring/Summer 2022

Scheme Works: - As part of our ongoing planned works & supplier to BHCC for traffic Signals upgrades across the city works on site included.

- Assist client with design suggestions for site.
- Provision for 12 weeks of temporary traffic lights to replicate current on site set up.
- Decommission and clear site of all existing signals equipment.
- Installation of new ducted road crossings.
- Install new drainage and alter kerb lines and crossing points as required.
- Install new pedestrian crossing equipment throughout site to include new tactile crossing points.
- Liaise with secondary subcontractors on site.
- Carry out full tarmac reinstatement to footways and carriageway.
- Install new lining to extent of site.



Description of works

Edburton Contractors currently carry out all works for The Traffic Signals department within Brighton. This was a very tight site that would only accommodate one 2–3-man team which led to a programme of 11 weeks in total which we managed to shorten slightly. A high pedestrian footfall and busy bus route led to challenges but through careful planning and the team on site was managed with zero complaints to the client, works also coincided with Brighton Pride weekend which has a high volume of extra visitors to this area of the city.

Edburton also managed all 4 separate subcontractors on site to achieve works within agreed timescales.

Not required on this scheme but Edburton also currently install the following as part of our works for the client

- RTPI bus information signs city wide
- CCTV bases & columns city wide
- Rapid response to RTC to assist/install new traffic signal poles were damaged.

Method of Works

The first job on site was to install the temporary traffic lights, lane closures required in accordance with TM plans and decommission site of all existing equipment that is sent for recycling where available. All new road crossings were marked out and followed by CAT Scans of all areas by trained operatives in conjunction with stat plans. These were then cut with a floor saw and dust suppression.

Following a programme of works which led to four phases/areas of works and each to be completed before moving to the next the team on site excavated with machine and by hand where required around located services to install new ducting, pedestrian crossing points were altered to align each side of the road which required new kerbing, drainage and new road gullies as required with reinstatements to the carriageway.

Footways were also improved with new red tactile paving installed and either reinstated with red paving slabs, block paving, modular paving and tarmac depending on areas excavated. Old draw pits were removed and new installed on all duct runs. A new traffic signals controller base was also installed to a new and safer position

Programme was arranged to allow early access to site for install of all new signal's equipment by secondary contractor so that all works were completed at the same time to reduce disruption to traffic, retail outlets and pedestrians which also reduced cost to the client. Whilst final install was completed Edburton managed our lining sub-contractor to remove lines where required, install new and refresh the remainder of site.

Welfare, safety, and storage

Edburton provided the client with a program of works and Construction Phase Plan for site that all operatives were briefed upon and then signed and followed.

Edburton agreed with the client a safe area on site to construct a Heras fence compound that would allow safe storage of materials and plant along with a Groundhog welfare unit that would store CPP for site and stat plans. This would also be available to sub-contractors use.

Pedestrian barriers were used, clipped together, and weighted with sandbags for stability around any areas of works and moved as works progressed. Site foreman also signed off daily inspections of TM/barriers etc on site and returned to office with weekly paperwork for record purposes.

