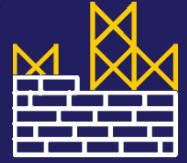




(A470) Caedelyn – Tyn y Parc, Cardiff

Case Study



Background

The main aim of this project was to improve public transport routes into Cardiff City Centre.

This was achieved by the introduction of a bus lane on Northern Avenue going into the city. The scheme also improved cycle and pedestrian facilities along this route with the introduction of a new controlled crossing and footway improvement works.

Delivery

The key features of the project were;

- General site clearance
- Illuminated signs disconnected and removed
- Non illuminated sign removal
- Sign plate removal
- Kerb removal
- Lifting of paving
- Removal and disconnection of feeder pillar
- Existing concrete broken out
- Installation of kerbs
- Landscape works
- New sign installations (Illuminated and Non-illuminated)
- Installation of tactile paving
- Telematics works – installation of a Toucan Crossing. (Signal works undertaken by CCC Telematics Contractor Dynniq, all civil works to be undertaken by Centregreat)
- Full footway construction
- Vehicle crossover construction
- Footway construction on existing carriageway
- Carriageway plane and resurfacing
- Full carriageway construction
- Concrete islands
- Excavation, laying and reinstatement for ducts

- CCTV and fibre works
- Drainage works



Outcome

Due to delays to the programme prior to Centregreat's involvement, we reacted by re-configuring the programme to ensure the re-surfacing works could go ahead as planned. The full closure of the A470 could not be rearranged from the originally agreed date, therefore the focus was to prepare the kerb works and all carriageway associated works in time for the road closure dates, with the footway and verge works being completed following the road closure.





As a challenging scheme, with one of the main constraints being that we could only have lane closures for approximately 6 hours in the working day, our in-house Traffic Management team was on site every day, safely implementing the TM control and removing at the end of the day.



This arrangement kept our workforce and the general public safe during the works being undertaken adjacent the live carriageway on this busy arterial route into the Welsh capital.

Following soil analysis tests on the sections of topsoil that were to be removed from site as part of the scheme, it was found that high levels of Lead within the soil would have to be removed as hazardous material to landfill. Following consultation with Neal Soils, we were able to treat the soil to remove the Lead, and the inert material produced was able to be reused in Construction.



Letters were delivered to all residents and businesses affected by the works throughout

the length of the scheme to keep all stakeholders informed of the works.

The work was carried out during the Covid pandemic and a local resident had organised a party for their son who enjoyed watching the construction works outside his house. Centregreat provided hi viz vests, hard hats and other construction materials to assist in his family hosting a construction themed birthday party.

One local family sent a text message through to the site contact number provided for stakeholders, praising the approach and attitude to our workforce working in close



proximity to residential properties:

"Hi Rhodri. I live at number 43 Heol y Forlan and your operatives have been carrying out some works in the area. Would just like to say that

the lads working in the area have been polite, helpful and no bother at all. They are a real credit to your organisation. Kind regards. Paul, Kate and Sue".

On completion of the surfacing works, residents openly commented on their satisfaction with the with the new road surface, stating how it has dramatically reduced the traffic noise along the A470 outside their properties.



Client: City of Cardiff Council

Value: Circa £630k

Delivery Period: January 2021 – July 2021