



ceca

Working for Infrastructure

NORTH WEST



CECA North West members deliver and maintain the infrastructure projects vital to our quality of life.



www.ceca.co.uk/north-west

Project: Bewsey Street & Foundry Street Bridge Replacements

Client: Network Rail

Contractor: J Murphy & Sons

Value c. £2.8 million

After more than 18 months in design, planning and development, J. Murphy & Sons Ltd. successfully removed and installed two railway bridges in Warrington over the August bank holiday weekend.

The project faced challenges including access to the structures in and around the town centre, liaison with Warrington Council and major stakeholders but the team worked together strategically planning each step of the project, including the movement of plant and equipment, a full scale swept path analysis for both the 750t crane and SPMT movements, and the removal of street lighting and strategic manoeuvring in and around traffic lights, a traffic island, over a ¼ of a mile of public highway, and numerous trees some with TPOs.



Project: Chester Northgate Tunnelling – Chester City Centre

Client: Vinci PLC / Cheshire West & Chester City Council

Contractor: V J Donegan & Co Ltd

Value: £2.7 million

V J Donegan & Co Ltd worked alongside Vinci PLC and Cheshire West & Chester Council to provide a new surface water outfall from the Northgate Development Phase 1 in the city centre to the River Dee. The route of the tunnel required daily settlement and 3D monitoring of the existing highways, adjacent buildings, existing car park entrance underpass and enhanced monitoring on the 11th C mediaeval city walls. To complete the excavation works, V J Donegan & Co Ltd worked closely with the Council archaeological team when excavating in the made ground. To enable the traffic to flow through the city centre during construction, a city wide clockwise diversion was implemented to minimise disruption to the residents, workers and visitors.

Project: Openshaw Remediation & Stabilisation

Client: Your Housing

Contractor: Civil & Remediation Ltd

Value: £950,000

Civil & Remediation was awarded the scheme by Your Housing to remediate the site for future residential development. Works consisted of site wide remediation and stabilisation. Containment cells were placed in public open spaces for asbestos, contaminated material, impacted soils and Japanese Knotweed, reducing disposal costs in excess of £650k. C&R recovered all concrete for reuse, and all brick work for recycling. These were processed and used for installing all road capping to enable ease of access and provision of outfalls for the housebuilders. The project was completed accident and incident free, on time and to budget, with EHO approvals within four weeks of completed remediation, including management of United Utilities applications, inspections and approvals.



Project: Wrenbury Wastewater Treatment Works

Client: C2V+

Contractor: CT Construction Ltd

Value: £1.5 million

CT Construction Ltd was employed as specialist subcontractor for this project. The overall project involved upgrading the wastewater treatment works around the existing structures to meet new regulations. The project consisted of a large proportion of concrete works along with pipe penetrations, ductile iron pipework and ducting, all works that took place throughout the duration of these works were carried out by our in-house team including all aspects of the formwork.



Project: Carlisle Railway Station

Client: Network Rail

Contractor: Taziker

Value: £570,000

Taziker was contracted by Network Rail to provide building refurbishment works at the Grade II listed Carlisle railway station, which was constructed between 1846 and 1848. The lighting within both the car park and the station was completely upgraded by Taziker's in-house Mechanical and Electrical team, with all existing lighting replaced with new LED fittings; old pyro cable replaced with new FP cable; and alterations made to some of the lighting controls. This project also included carrying out vegetation management and stonework repairs, as well as completing protective coatings to the dormer window frames to extend the lifespan.

Project: Canada Dock Infilling

Client: Port of Liverpool

Contractor: D Morgan PLC

Value: £2 million

The project was to infill Canada Graving Dock to create new land within the Port of Liverpool. D Morgan was commissioned to demolish two nearby buildings, process and recycle good quality fill for the dock to create more space within the port. Fill from other projects was also utilised. D Morgan was appointed under a design & build contract which included the rock armour retaining structure to the existing dock gates and also the dock infill. The rock armour structure consisted of 8,800m³ for the core and 700m³ for the armour protection. In total over 18,000m² (4.45 acres) of new good quality land was created that can be leased to existing customers within the Port.



Project: EA Framework Northern Hub – Debris Screen Package 2 North West

Client: Environment Agency

Contractor: Cheetham Hill Construction Ltd

Value: £3.3 million

The project will play a key role in protecting vulnerable locations across the North West from flooding. It involved working hand in hand with the Environment Agency to design and construct 22 separate debris screens, using low carbon concrete. Enabling works were carried out before we could start including but not limited to; ecology surveys, GPR surveys, topographical surveys and hydraulic performance checks prior to commencing the detailed designs. All designs were produced in accordance with the latest CIRIA guidance.

Project: Keswick to Threlkeld Railway Multi-user trail

Client: Lake District National Park Authority

Contractor: Cubby Construction

Value: £7.1 million

The purpose of the Keswick to Threlkeld multi-user trail project was to repair and future proof the 5km trail. Works comprised repairs & replacement of bridges over the River Greta, reconstruction of the railway embankment, a new ramp area to the A66, improvements to drainage & surfacing, major excavation works to an existing buried tunnel and its subsequent reinstatement, remediation of scour holes, provision of temporary access roads & compounds, and the entire 5km trail surfaced with tarmac. The project overcame all manner of challenges from working in a fast flowing river, to handling the requirements of numerous lobby and community groups. It has more than restored a major amenity for Cumbria and the Lake District, and improved access for all.



Project: South Manchester Enterprise Zone

Client: Manchester Airports Group (MAG) / Electricity North West (ENWL)

Contractor: Kaberry Construction

Value: £7m

New build substations on a greenfield site for MAG and ENWL to provide extra network capacity for Airport City Manchester and South Manchester. Principal Contractor for the project, managing the civil and electrical phases with the direct delivery of the civils works. Construction of two new brick switch houses, transformer compounds, electric security fencing and a new access road - significant underground reinforced concrete works and HV cabling. Special ornithological measures and H&S monitoring in place to de-risk birdstrikes to aircraft due to the construction activities.



Project: A590 M6 J36 to Brettargh Holt

Client: National Highways

Contractor: Aggregate Industries

Value: £3.8 million

Through collaboration with Highways England, Amey Consulting, and AE Yates (Principal Contractor) at Early Contractor Involvement stage, Aggregate Industries was able to identify a best practice approach to greener road surfacing on what was to become the UK's first carbon neutral highway scheme. One of the first planned, on-going 12-month maintenance/renewal upgrades on the A590, it used a low-carbon pavement design solution and low-energy construction methods which resulted in significant environmental benefits. These included a huge scheme carbon saving of 43% and provided cost savings of £3m for the client.



Project: A523 Poynton Relief Road

Client: Cheshire East Council

Contractor: John Graham Construction Ltd

Value: £28.6 million

The A523 Poynton Relief Road will relieve Poynton and neighbouring areas of high traffic volumes and congestion while improving air quality for residents and opening up employment land. GRAHAM is responsible for the design and construction of a 3km single carriageway and the upgrade and widening of two off-site junctions.

The new road will have two overbridge crossings, whilst a new underbridge allows the new relief road to pass underneath the existing carriageway. A 3.5m-wide combined cycle and footway will run beside the length of the route. The project is still underway and has delivered significant social impact including £4.66m spend to date within the local supply chain.



Project: M62 Junction 10-12

Client: National Highways

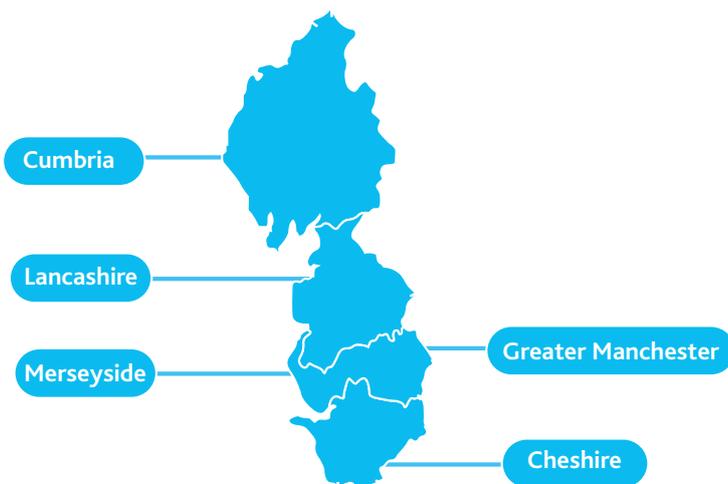
Contractor: BAM Morgan Sindall JV (BMJV)

Value: £127 million

The scheme was undertaken between Junction 10 of the M62 at Croft Interchange and Junction 12 Eccles Interchange to the West of Manchester and was approximately 16km in length. The purpose of the scheme was to improve the flow of traffic between the M6 and the M60 by increasing lane capacity. The hard shoulder was converted into a permanent live lane between Junctions 10 – 12 to create dual 4-lane 'all-lane running' carriageway, with new retaining walls, gantries and street lighting. Emergency refuge areas were installed at regular intervals and the roadside technology infrastructure was upgraded to deliver legacy improvements for the customer.



CECA NORTH WEST REGION



CECA North West's services include:

- Expert legal, training & development, HR and taxation advice – as well as access to transport, rail and health & safety specialists
- Assistance with tenders and procurement, and support with social value requirements and quality submissions
- Commercial and contractual support and mentoring
- Support with schools and colleges liaison, links with universities, work experience, and free advertising for vacancies
- Research into workload visibility
- Seminars and training

To find out how CECA NW can help you, please contact:

- Regional Operations: ALISON SHEA: alison.shea@ceca.co.uk
- Education Liaison & LEPS: JACQUELINE VAIL: jacquelinevail@ceca.co.uk
- Transport initiatives and pipeline research: CHRIS JACKSON: chrisjackson@ceca.co.uk
- SME support and mentoring: JOE FITZGIBBON: joe.fitzgibbon@ceca.co.uk
- Bid support, market intelligence, public affairs: GUY LAWSON: guy.lawson@cecanw.co.uk