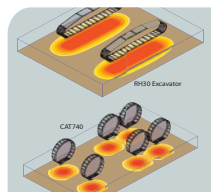
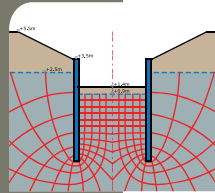


## TEMPORARY WORKS



# Our Temporary Works Services



## > TEMPORARY WORKS

Bridges	2
Excavations	3
Structural	4
Working Platforms	5
Hydraulics	6

Combining technical excellence and experience in Civil, Structural and Geotechnical Engineering PaSCoE provide optimal cost effective solutions to all forms of temporary works requirements.



**PETTS BRIDGE REPLACEMENT, LONDON**  
Temporary 35m span scaffold bridge for the support of S&T cables during the replacement of an existing rail bridge.

>



**LONDON ROAD, HACKBRIDGE**  
Temporary removal of existing footbridge and relocation using temporary foundations to maintain pedestrian access during the construction of a new road bridge.

>



**THOMPSON STREET, DARLINGTON**  
Temporary 20m span service bridge, supporting a 400mm dia water main and 2No. gas mains.

>



**SELLY OAK BYPASS PH2**  
Novel hydraulic bridge lift to allow construction traffic access across the existing canal whilst allowing bridge to be lifted to allow canal boats to pass beneath. Abutments to bridge formed using recycled tyre bales.

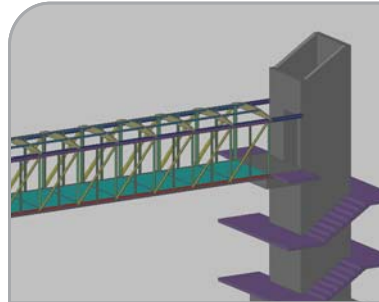
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< **BAYSTONE BANK RESERVOIR, CUMBRIA**  
Temporary 15m span 40 tonne capacity site access bridge to provide safe access across an existing stream.  
Temporary bridge abutments using filled manhole rings.



< **ABBEY ROAD AREA REGENERATION, CAMDEN**  
Assessment of existing bridge construction and weight. Design of crane lift for removal of bridge as a single unit including outrigger analysis.



< **OGDEN RESERVOIR, LANCASHIRE**  
Temporary 20m span site access bridge to provide safe access across the existing spillway channel. Design of temporary bridge abutments to isolate the bridge from the channel walls.



< **A46 WIDMERPOOL TO NEWARK, NOTTINGHAM**  
Heavy bridge lift and transportation during Christmas Possession period using self propelled modular transport units including the drive path and formation design.



Temporary Road Bridges  
Temporary Pedestrian Bridges  
Bridge Removals

Temporary Abutments  
Temporary Foundations  
Temporary Services Bridges





**PETTS HILL BRIDGE REPLACEMENT, LONDON**  
Design of 4No. 25m deep shafts with segmental concrete lining to provide the piers for the replacement rail bridge.



**PRESTON WASTE TRANSFER STATION**  
Temporary sheet pile cofferdam for the construction of a new box culvert beneath the proposed access road.

**DANIELS MILL, BRIDGNORTH**  
Cut slope stability analysis and monitoring to facilitate the reconstruction of the valley side to the Severn Valley Railway following severe flooding.



**SELLY OAK BYPASS PH2**  
8m deep sheet piled cofferdam to allow construction of the new piled abutment adjacent to live railway.

**BEACONSALL, SOUTHPORT**  
Temporary 3m deep box for the construction of the drill head structure for the exploration of gas.



**RAY HALL VIADUCT, BIRMINGHAM**  
Soil nailed temporary steep slope cut into an existing canal embankment below the M5/M6 interchange.

**LONDON ROAD, HACKBRIDGE**  
Sheet pile retaining wall and robust screen adjacent to the live railway for the construction of the foundations for the replacement bridge.



**SELLY OAK BYPASS PH1**  
Vertical 6m high reinforced soil wall to allow construction of the new bridge in two phases.

Deep Shafts and Tunnels  
Cut Slopes  
Sheet Pile & King Post Walls

Soil Nailed and Anchored Slopes  
Braced Excavations  
Underpinning



## BIRMINGHAM NEW STREET STATION

Temporary support of precast concrete cantilever units forming a new walkway adjacent to the station.



THOMPSON STREET, DARLINGTON  
Temporary 20m span service bridge, supporting a 400mm dia water main and 2No. gas mains.

## A46 WIDMERPOOL NEWARK BYPASS

Temporary cantilevered support of bridge abutments during bridge drive, over a Christmas possession.



CARRINGTON TRAINING GROUND, MANCHESTER  
3.6m high timber hoarding and security screen.

BOTTOMS BRIDGE,  
Bridge replacement utilising a combined crash deck and formwork structure designed to span between abutments, minimising flow restrictions and meeting EA requirements.



MALTBY STREET, LONDON  
Piled tower crane base adjacent to railway viaduct and existing buildings within central London.

SELLY OAK BYPASS PH1  
Temporary support of an existing bridge to allow phased demolition and construction of a new bridge structure over a canal.



LONDON ROAD, HACKBRIDGE  
Formwork for the support of the cantilever parapet sections for the new bridge construction.

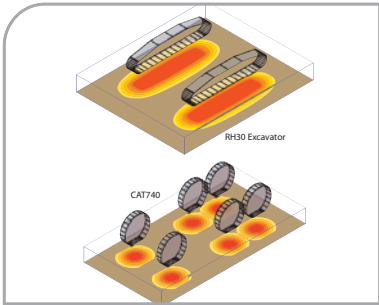
Formwork & Scaffold  
Crash Decks  
Propping & Shoring  
Temporary Bridges

Propping & Needling  
Lifting Beams  
Hoardings  
Bridge Jacking





PETTS BRIDGE REPLACEMENT, LONDON  
Design of crane outrigger pads for the 1000 tonne crane lift of the existing bridge.



HUNTINGTON LANE OPENCAST  
Stress analysis and design of reinforced soil haul road to span across potential voids.

PRESTON WASTE TRANSFER STATION  
Granular working platform for the safe support of piling rigs and band drain installation rigs.



ANNAS ROAD, LYTHAM  
Drilling platforms for mobile drill rigs and plant to facilitate gas exploration.

BEACONSALL PLATFORM, SOUTHPORT  
Geogrid reinforced working platform.



WILLOW BANK, BARNSELEY  
Aluminium temporary road construction for site access to facilitate rail bridge replacement. Designed to cater for 400tonne crane access.

SELLY OAK BYPASS PH2  
4026 tonne concrete bridge lift and drive using SPMTs. Design of drive path surfacing and formation.



SELLY OAK BYPASS PH2  
Temporary near vertical reinforced soil access ramp to gain access to the crest of the rail/canal embankment.

Drilling Platforms  
Site Access  
Crane Outriggers

Piling Platforms  
Floating Roads  
Drive Paths



SELLY OAK BYPASS PH2  
200m long temporary canal diversion using polypropylene sealed sheet and tyre bales to allow the construction of a new aqueduct along the line of the original canal.



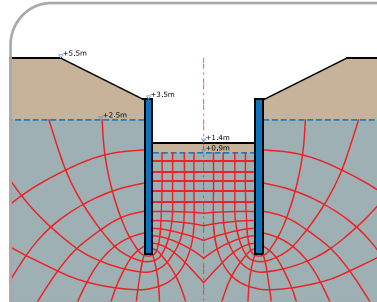
MILWR TUNNEL, NORTH WALES  
Temporary open channel extension of the existing tunnel to enable repair work to be undertaken beneath the tunnel to stabilise the eroded ground and prevent a tunnel collapse.

BEACONSALL, SOUTHPORT  
Perimeter channels to collect potentially contaminated water for downstream treatment.



BEACONSALL, SOUTHPORT  
Groundwater control using well pointing and pumping to prevent running sand conditions destabilising the excavations.

HOLLINGWORTH LAKE  
Portadam to retain 1.8m head of water and protect the works.



MUFC CARRINGTON  
Groundwater flow net analysis to determine required seepage and pump sizes.

BELMONT RESERVOIR, LANCASHIRE  
Temporary concrete faced clay bund for the impounding of the reservoir as part of the flood contingency plan.



PRESTON WASTE TRANSFER STATION  
Temporary stream diversion using a combination of fluming, pipelines, and open channels.

Watercourse Diversions  
Temporary Open Channels  
Flumes

Temporary Pipelines  
Temporary Dams & Bunds  
Soakaways

# Our Services



## > GEOTECHNICAL

- Deep Excavations
- Earthworks
- Slope Stability
- Retaining Wall Design
- Settlement Analysis
- Foundations
- Piles



## > CIVIL

- Highway Design
- Drainage
- Bridges
- Culverts
- River & Coastal
- Canals
- Pavement Analysis



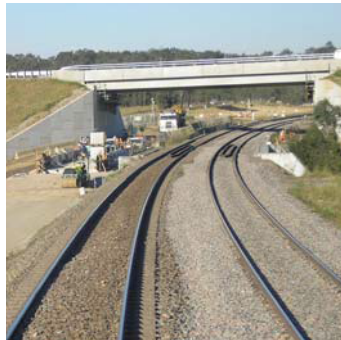
## > STRUCTURAL

- Frame Analysis
- Basements
- Slabs
- Water Retaining Structures
- Bridge Decks
- Timber Design
- Structural Steel



## > EARTH STRUCTURES

- Reinforced Soil Walls
- Soil Nailing
- Gabion Walls
- Crib Walls
- Sheet Piles
- King Post Walls
- Reinforced Concrete Walls



## > RAILWAYS

- Embankment Stabilisation
- Earthwork Monitoring
- Temporary Works
- Technical Approvals
- Cess Support Systems
- Drainage
- 3rd Party Checks



## > TEMPORARY WORKS

- Bridges
- Excavation Support
- Propping & Shoring
- Falsework & Formwork
- Working Platforms
- Working at Height
- Water Control Measures

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