



Phase 2 Lincolnshire Bomber Command, Chadwick Centre

For Bomber Command Memorial Trust

Project Facts

Architect

Place Architecture

Quantity Surveyor

Gardiner & Theobald

Structural Engineer

Alan Wood and Partners

M&E Designer

EBS Consultants

Contract Value

£4.8m

Contract Type

JCT Standard Building Contract with CDPs

Project Overview

The project comprises the construction of the new Chadwick Centre part of the International Bomber Command Centre (IBCC), on Canwick Hill overlooking the City of Lincoln.

Named after Roy Chadwick, the designer of the Lancaster Bomber, the 840sqm Chadwick Centre is an education centre, exhibition space, reference library, artworks and museum relating the story of Bomber Command. The visitor centre includes a restaurant, multi-media suite and a shop.

Other works include the construction of roads, carparks, landscaping, drainage and services installations, extending the memorial paved area and phase 2 memorial walls with the names of the Bomber Command aircrew who gave their lives flying from other Groups during the Second World War.

The project is run by the Lincolnshire Bomber Command Memorial Trust (a registered charity), in partnership with the University of Lincoln, who have received £3.1million of funding from the Heritage Lottery Fund towards the £10million overall cost of IBCC.

Archeology

Lincoln was an important city in the Roman period, often populated by retired Roman soldiers, pensioned off with a plot of land at the end of their military service. Part of the contract was to allow local archeologists, Allen Archeology on behalf of the City Council, to complete investigations prior to construction around the centres foundations.

The site was then put on an archeological watching brief whilst all groundworks were carried out. Using a flat bucket we dug at reduced levels around 100mm a layer. If anything was unearthed, works halted in that area, was marked and flagged and we moved onto other section whilst the archeological excavations were carried out. We had allowed additional time for this process so the discoveries didn't impede on our programme. The fieldwork unearthed 25 skeletons along with coins and pottery.



Allen Archeology were so impressed with our teams management that they invited us to coordinate their groundworks at Lincoln Cathedral as part of the Lincoln Cathedral Connected Project.

Our **contractors design portions** (CDP) on this project included; steel work connections, roofing & cladding, curtain walling, M&E design and precast concrete floor & slab. The building includes a feature gutter and the purlins formed part of our CDP's. The design was corroboratively developed through RGC led Coordination meetings with the structural engineer, architect and our roofing subcontractor.

Client Coordination and Value Engineering

Understanding the projects restrictive budget and funding streams saw R G Carter offer many different value engineering solutions, which in total tallied £132k worth of savings. The more notable reductions came from the M&E package e.g the redesign of the external lighting control from Dali controls to a manual system, saving £50k.

The commercial sensitivity of this project was a high level risk that we made allowances for, supporting the Client, whilst protecting ourselves and our supply chain. A limited letter of intent was issued and repeatedly extended following a notice to increase, which we always issued at least a month in advance. Regular sit down meetings between RGC, the PQS and the Client agreed how best to use the funds available at that time. Wherever possible we tried to maintain the planned sequence of works but on occasion necessity dictated we had to reprogramme to accommodate the Clients pressures.

*Morning guys
I just wanted to say
a huge thank you for
everything you did
yesterday. It was really
is appreciated!*

This high profile project had external visitors and site tours on an almost daily basis. We introduced additional site management resource to facilitate this requirement and daily communication to coordinate diaries etc. was held with the Client.

*Thanks
Nicky Barr*

Lincoln College and IBCC

R G Carter have recently entered into a partnering agreement with Lincoln College, supporting their new Construction College - a vocational approach to industry qualifications being guided by construction professionals.



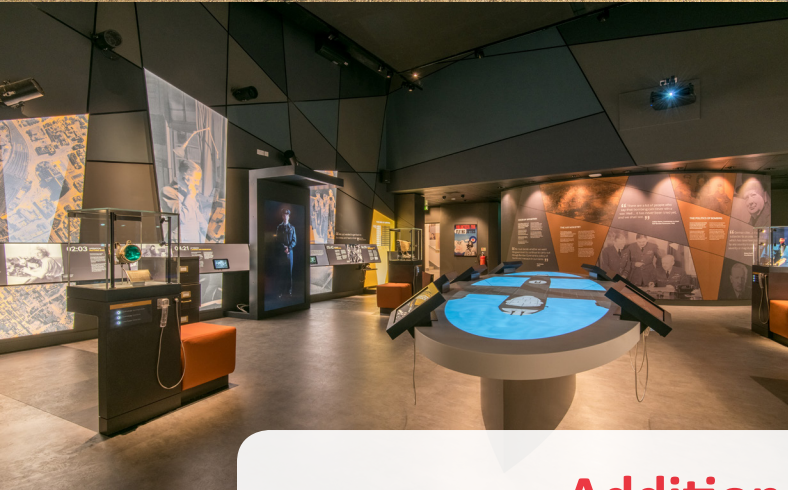
A group of students visited our site at IBCC. The main learning objective for these students was to understand the key differences between a residential and commercial project and observe the initial stages of steel installation.



Charity Bike Ride

The RGC site team constructing the new IBCC, organised and successfully completed along with our groundworks contractor, a challenging a 72 mile bike ride, visiting 6 former Bomber Command airfields to raise money for the project.

They raised in the region of £1000.00, with sponsorship money.



Additional Images

