



FORTHSIDE PEDESTRIAN FOOTBRIDGE CASE STUDY

Location: Forthside Development Area, Stirling

Dates: November 2007 – March 2008

Client: Stirling Council (Regeneration Services)

Main Contractor: BAM Nuttall

Architect & Designer: Wilkinson Eyre Architects and Gifford

Description of Project (background): Forthside Footbridge provides connectivity between the city centre and a new development area on the banks of the River Forth, across the main railway corridor. The bridge had to blend with the new development area as well as being respectful to the old city. The bridge spans across the railway line in close proximity to the Grade A listed Stirling station. G Hillan provided the masonry cladding surrounding the stairwells and lifts.

Tender Process: G Hillan Masonry are an approved supplier for BAM Nuttall having successfully completed numerous projects as a subcontractor. When Bam Nuttall were awarded the contract tenders for the costing and quality elements were issued to prospective suppliers, including ourselves. The tender included selecting an appropriate stone as per specification, designing coping stones and appropriate fixings that would blend and be capable of load bearing. After putting a tender package together G Hillan Masonry were appointed as the masonry sub-contractors based on our price and quality.



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Specification:

1. Supply and build masonry cladding to stairwells and lift shafts at foot of bridge
2. Design copes to match and compliment the cladding
3. Design suitable stainless steel fixings, brackets and plates for the project using the specification for stone to ascertain the load weight, dimensions etc
4. Submit samples of stone, fixings and specifications for each to the Client (Council, Architect and BAM Nuttall for approval.
5. Produce masonry programme/schedule for the works
6. Cutting and dressing stone for the works

Works (description):

1. Tender Stage
2. Material procurement and design
3. Production of programme of works, methodology statements and health and safety documentation
4. Approval of design elements
5. Cutting and dressing stone in yard for haulage to project site
6. Under build using common block
7. Build 660m² of Ravensworth Ashlar sandstone with 45° soffits, using a lime mortar to east and west structures.
8. Attach cope ,50 lineal meters, to build and secure using dowels
9. Build up stone at lift shafts 40m²
10. Clean build to remove dust and debris and complete any snagging works

Summary:

Forthside Pedestrian Footbridge commands the skyline for miles around the City of Stirling. G Hillan Masonry take pride in the works we have completed and we feel privileged that we have been able to contribute to this remarkable landmark.

