

Pricing Document

Proposed repair and refurbishment of
two pedestrian bridges and associated works

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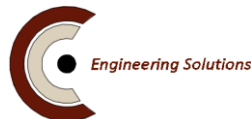
Glenveagh N. P.
Churchill, Letterkenny,
Co. Donegal

For

Glenveagh National Park



An Roinn Tithíochta,
Rialtais Áitiúil agus Oidhreachta
Department of Housing,
Local Government and Heritage



CARR CONSULTING
E N G I N E E R S
Engineering Solutions

Unit 1 • Northern Point Business Park • Ballybofey • County Donegal
Tel: +353 (0)74 9131060 • Fax: +353 (0)74 9130321

Civil • Structural • Materials • Fire Engineering

Document Approval

Project	Proposed repair and refurbishment of two pedestrian bridges and associated works	
Client & Job No.	Department of Housing Local Government and Heritage	CC26-5032
Document Title	Pricing Document	

<i>Issue</i>	<i>Prepared by</i>	<i>Checked by</i>	<i>Approved by</i>
28/08/2026 Tender	Michael Carr Principal Engineer Patrick Galvin Senior Engineer	Michael Carr Principal Engineer	Michael Carr Principal Engineer
Carr Consulting Engineers Ltd., Unit 1, Northern Point Business Park, Ballybofey, Co., Donegal Tel. (074) 9131060			

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PREAMBLE TO THE SCHEDULE OF WORKS

BILL OF QUANTITIES

PREAMBLE TO THE SCHEDULE OF WORKS

This schedule of works provides an indicative tender layout to be used by the contractor in itemising out their returned tender for the proposed works. The tenderer may add to as necessary to provide a detailed and quantifiable breakdown of their tender quotation for the proposed works. The purpose of this pricing document is to enable a true and realistic comparison to be made between tenderers on a competitive and comparative basis. The work items listed in the bill of quantities have not been measured in accordance with any method of measurement and the Tenderer shall allow in his price for all the preliminary, temporary and permanent works inclusive of all the direct and indirect costs, overheads and profits in connection with the installations as detailed within the tender documents and as deemed necessary for the design, construction and satisfactory functioning of the works. The tender shall complete the bill of quantities and sign and complete the Form of Tender and return with their tender submission.

The Form of Contract and Conditions is the model public contract for Public Works **PW CF6** Minor Building & Civil Engineering Works Contract. The Contractor will be deemed to have examined these Conditions and to have priced the items in accordance therewith, and also to have included for all of the Conditions in the Contract Documents.

Please note that all costs in this contract are fixed price and no increased costs will be allowed.

The Contractor shall be directly responsible for the following;

- a) Provision & maintenance of all plant, stand by plant & fuel supplies
- b) Loading, unloading and site positioning and sub-sequent relocating of their own plant
- c) Loading, unloading and site positioning and sub-sequent relocating of their own materials
- d) Complying with health & safety regulations, PPE equipment, first aid and so forth.

Working Hours

Work shall be undertaken between

08:00 and 18:00 Mondays – Friday and

08:00 and 18.00 Saturdays

(by arrangement with Denis Lafferty, NPWS)

The works envisaged under this contract consist of the following:

1. PSCS and all contractors to review the sites, site access, location of existing structures and services. Contractor shall ensure that an adequate safety fence is in place to provide protection around the perimeter of the site prior to commencing excavations.
2. Contractor shall install all mitigations to prevent contamination and pollution of the water courses overwhich these bridges span.
3. Contractor to identify and mark all underground and over ground services prior to commencing works.
4. Contractor shall assess ground conditions with regard to stability of excavation plant during works and if required identify any preliminary works that may be required to facilitate access to the site.
5. Contractor shall identify and secure the construction area of the site from unauthorised access by the use of security/safety fencing around the perimeter incorporating appropriate signage at entrance.
6. Contractor shall implement all safety requirements as identified in the Safety Plan to ensure safe systems of work for staff.
7. Contractor shall provide signage and adequate fencing to guide visitors and staff along agreed detour routes shown in the drawings and agreed with Glenveagh N. P. management. This will involve the following:
 - 2.1 Signage and supervised traffic management at the existing arch bridge over the Owencarrow river on the proposed pedestrian detour around bridge no. B-1. Requirements for traffic management are provided in the drawings and specification.
 - 2.2 The provision of a temporary scaffolded bridge over the stream at Bridge no. B-2.
8. Carefully dismantle/demolish existing timber deck and hand railing and dispose off site in accordance with waste management regulations.
9. Complete structural works to bridge deck including erection of new galvanized structural steelwork and GRP decking.
10. Carryout civil works to bridge abutments and regarding of gravel path.
11. Conduct 'as built' survey of all works for inclusion in safety file.
12. Site tidy up & hand over.
13. Snag list period.

Works to be commenced in October 2026 and to be substantially complete by **20th November 2026**. Weekend work may be required as agreed with Employers Representative. Programme for works shall be provided.

Site Visit

The tenderer shall visit the site and familiarise themselves with the scope of works required prior to submitting their tender. The site visit may be arranged with Denis Lafferty. (Mobile 087 945 7558).

Health & Safety

Contractor shall have due regard to Safety & Health risks associated with these works and shall adopt safe systems of work. The contractor shall be appointed to act as Project Supervisor Construction Stage for these works and shall submit a AF-02 notice to the HSA. Risk assessments shall be completed for all aspects of the works taking into account that the Castle will remain open to the public during the works. A site specific Safety Plan shall be prepared and implemented by the Contractor for these works.

Insurances

Contractor shall provide evidence insurance to meet the requirements of the contract to the Employers Representative.

Tax Clearance

The contractor shall provide evidence of Tax Clearance in the Republic of Ireland.

Certification and submittals by the contractor

The contractor shall submit CE Marks, DoP's and data sheets for all materials and products be used for these works to the Employers Representative for approval one week prior to commencing works. At the end of the works the Contractor shall provide to the Engineer a written confirmation of compliance with the design requirements.

Tidy-up and handover

The contractor shall remove:

- All waste and rubbish from the site.
- All temporary works paths and structures and restore to original condition
- All plant fencing and tools

The contractor shall clean all dirt debris from bridge surfaces and wash all surfaces to leave a clean serviceable finish

BILL OF QUANTITIES

Item No.	Item Description	Unit	Qty	Rate	Amount
					€
1.0	PRELIMINARIES				
1.1	Site & contract administration; provide for all on and off site management and administration.	Sum			
1.2	Temporary hoarding/safety fencing to secure site Provide temporary security fencing/hoarding to protect the general public and park staff.	Sum			
1.3	Insurance of works Public Liability €2.6million, Employers Liability, €13million and Contractors all-risk €200,000	Sum			
1.5	Health & Safety (Management) Perform the duties of PSCS and carryout appropriate risk assessment and method statements for all aspects of work.	Sum			
1.6	Health & Safety (Works) Compliance with all current health & safety requirements including provisions required for management of risks of contracting.	Sum			
1.7	Welfare Facilities & Compound Set-up contractors compound and provide suitable Site Hut/Office/Sanitary accommodation for the duration of the works and remove at the completion of the works.	sum			
1.8	Site Set-up and Mitigations in NIS - Supply and Install perimeter silt fence to proposed work area and contractors compound area - Supply and erect a certified safety net/tarpaulin under the existing steel substructure to provide a safety net for falls but also to collect all falling waste and debris during the works. Make provision and install all other relevant site mitigations as required in the NIS report by Greentrack, to protect Glenveagh lake and Owencarrow river from pollution and contaminated runoff.	sum			
1.9	Submittals CE Marks for all materials and products; certified concrete mix; scaffold certificates; waste disposal certificates. Method statements for NIS Mitigations, Demolitions, and Traffic Management Plan.	sum			
1.10	Tidy up and handover The contractor shall remove, all waste and rubbish from the site; remove all temporary works paths and structures and restore to original condition. The contractor shall clean and wash all dirt & debris from bridge surfaces to leave a clean serviceable finish	sum			
Page Total					

Item No.	Item Description	Unit	Qty	Rate	Amount
2.0	VISITOR PATH DETOURS, TEMPORARY WORKS AND TRAFFIC MANAGEMENT				
2.1	Traffic Management Plan (TMP) Prepare a specific traffic management plan for the management of visitors, Glenveagh staff and buses. Contractor shall refer to the preliminary TMP provided in the drawings. TMP shall be presented to Employers Representative for approval a minimum of 1 week prior to commencing any works.	sum			
2.2	Detour Signage Erect directional signage and barriers to visitor path for both bridges as required in the traffic management plan.	sum			
2.3	Traffic Management at bridge near Bridge Cottage Install traffic light control to road over the road bridge at Bridge Cottage in accordance with the Traffic Management Plan. The traffic light control shall have a call button for pedestrians (visitors) on both sides of the bridge to stop vehicular traffic and all safe passage of pedestrians over the bridge.	sum			
2.4	Traffic Management at bridge near Bridge Cottage During busy periods the contractor shall provide personnel (2 operatives) on site to manage the traffic light or implement a stop/go system. Busy periods are dependent on the weather but are likely to be at weekends. Contractor shall liaise with NPWS staff at the start of each week during the works to agree when this is required.	hr	80		
2.5	Temporary Bridge (Design) Contractor shall prepare a temporary works design for a scaffold bridge structure adjacent to the existing bridge no. B-2. This bridge shall be a minimum of 2m wide, structurally designed to span the stream from temporary abutments, with secure balustrades and hand railing and a non-slip deck in accordance with TII standards. The proposed Temporary Works design for this bridge shall be by a chartered engineer, who shall provide a Temporary Design Works Certificate (TWDC) to the Employers Representative upon completion for review and approval.	sum			
2.6	Temporary Bridge (Construction) Contractor shall supply and construct the approved temporary bridge structure on prepared temporary abutments and maintain this bridge in a safe and serviceable condition for the full duration of the works.	sum			
2.7	Removal of Temporary Bridge Contractor shall remove the temporary bridge and all associate fixings and materials from the site.	sum			
	MODIFY, ADD TO ABOVE ITEMS AS PER CONTRACTORS MEASURE				
Page Total					

Item No.	Item Description	Unit	Qty	Rate	Amount
					€
3.0	DEMOLITIONS, DISMANTLING AND DISPOSAL OF WASTE				
3.1	Demolition of existing bridge deck and balustrade structure for bridge no. B-1 Carefully dismantle and demolish existing balustrades and bridge deck and timber support beams to main structural steel substructure Remove from site and dispose of this waste in a licenced waste facility.	sum			
3.2	Demolition of existing bridge deck and balustrade structure for bridge no. B-2 Carefully dismantle and demolish existing balustrades and bridge deck and timber support beams to main Greenheart timber beams for bridge no. B-2. Remove from site and dispose of this waste in a licenced waste facility.	m2	72		
3.3	Disposal of demolished materials and waste Contractor shall remove demolished materials and waste from site and dispose of this waste in a licenced waste facility. Waste shall be cleared at least weekly to avoid build up.	sum			
	MODIFY, ADD TO ABOVE ITEMS AS PER CONTRACTORS MEASURE				
Page Total					

Item No.	Item Description	Unit	Qty	Rate	Amount
4.0	EXCAVATIONS & BACKFILLING				
4.1	Excavation for R. C. abutment works at Bridge no. B-1 Excavate to existing R. C. Foundation 600mm – 1000mm below existing ground level to provide adequate access to form new R. C. Abutment wall at each end.	m3	10		
4.2	6F1 subbase for bridge no. B-1 Supply, Place and compact 100mm to 600 mm 6F1 (crusher run) subbase to raise path level and form new side slopes. Grade at maximum gradient of 1:30.	t	95		
4.3	UGMA base for bridge no. B-1 Supply, Place and compact 50mm -150mm UGMA subbase over 6F1 subbase. Grade at maximum gradient of 1:30.	t	20		
4.4	Selected stone chippings for bridge no. B-1 Supply, place and compact 50mm blinding of selected stone shippings to match existing path finish. Grade at maximum gradient of 1:30 flush with new bridge deck as shown on the drawings.	t	20		
4.5	Clean stone around land drain at bridge no. B-1 Supply and place pea gravel around 150 perforated pipe at each abutment	t	3		
4.6	Excavation for R. C. abutment works at Bridge no. B-2 Excavate to existing R. C. abutment 500mm below existing ground level to provide adequate access to form new R. C. Abutment wall at each end.	m3	4		
4.7	Excavation for path to temporary bridge Minimum excavation of soils and rock to form route to connect the visitor path to both sides of the temporary bridge.	m3	10		
4.8	Temporary path to temporary bridge Place a Terram 1000T geotextile fabric over prepared area for new path at each end of the temporary bridge.	m2	70		
4.9	6F1 subbase for bridge no. B-2 Supply, Place and compact 200mm to 400 mm 6F1 (Crusher run) subbase to form subbase for temporary path.	t	40		
4.10	UGMA base for bridge no. B-2 Supply, Place and compact 50mm -100mm UGMA subbase over 6F1 subbase. Grade at maximum gradient of 1:20.	t	5		
4.11	Selected stone chippings for bridge no. B-2 Supply, place and compact 50mm blinding of selected stone shippings to match existing path finish.	t	3		
4.12	Surplus waste disposal from bridge nos. B-1 and B-2 Remove and dispose of surplus waste soils and stone filling off site to a licenced waste facility.	sum			
	MODIFY, ADD TO ABOVE ITEMS AS PER CONTRACTORS MEASURE				
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Item No.	Item Description	Unit	Qty	Rate	Amount
5.0	CONCRETE WORKS				
5.1	R. C. Abutment Walls (Dowels) bridge no. B-1 Drill and chemically fix H12 by 1300mm long steel dowels into existing concrete foundation in two rows at 200mm c/c spacing	no.	100		
5.2	Extension to foundation bridge no. B-1 New concrete foundation to extend the existing foundation by 1m each side to support new wing walls.	m3	2.5		
5.3	R. C. Abutment Walls (Reinforcing) Bridge no. B-1 Fix H12 bars vertically and horizontally including A393 mesh to extended foundations as shown in the R. C. details for new abutments at each end of Bridge no B-1	t	0.5		
5.4	Formwork (Bridge no. B-1) Provide braced formwork from 100mm to 1400mm high to form a 350mm thick abutment wall and associated wing walls. Include for forming 6 no. 350mm x 300mm x 200mm recessed pockets and placing M12 G8.8 h.d. bolts for structural steel frame as shown in the drawings	m2	20		
5.5	Abutment Walls Concrete placement Bridge no. B-1 Supply, place and compact concrete to abutment walls. Strength class C 40/50. Smooth float finish to top of wall.	m3	5		
5.6	Non-shrink grout to steel frame bases (Bridge no. B-1) Supply and construct non-shrink grout to shimmed gap between top of concrete and shimmed steel plates to steelwork. Non-shrink grout to be approved by Employers Representative.	no.	6		
5.7	Filling of Recessed pockets (Bridge no. B-1) Fill the 6 no. 350mm x 300mm x 200mm recessed pockets to abutment wall with an approved nonshrink grout with minimum strength class of 40N/mm2	no.	6		
5.8	Abutment wall (Bridge no. B-2) Include for new 215 masonry blockwork abutment wall 200mm to 500mm high at each end. Characteristic strength of masonry block to be 13N/mm2 as approved by Employers Representative.	m2	3		
	MODIFY, ADD TO ABOVE ITEMS AS PER CONTRACTORS MEASURE				
Page Total					

Item No.	Item Description	Unit	Qty	Rate	Amount
6.0	DRAINAGE & SERVICE DUCTS				
6.1	Drainage Pipe Supply and install 150mm dia. uPVC drainage pipe behind new abutment wall to bridge no. B-1 with outlet on each side	m	12		
	MODIFY, ADD TO ABOVE ITEMS AS PER CONTRACTORS MEASURE				
				Page Total	

Item No.	Item Description	Unit	Qty	Rate	Amount
7.0	STRUCTURAL STEEL				
7.1	Prepare existing steelwork substructure Measure and prepare existing structural steel substructure (drilling etc) for new galvanized structural steel sub-structure to be erected on top.	sum			
7.2	Shop Drawings Based on site measurements and the drawings prepare a full set of fabrication drawings for review and approval to design intent by the Employers Representative. Drawings to be submitted at least 2 weeks prior to fabrication.	sum			
7.3	H. D Bolts Supply M16 x 400mm long G8.8 h. d. bolts with 100x100x10 bottom anchor plates complete with plywood template to main contractor for casting into R. C. Abutments	no	12		
7.4	Structural Steel Supply and erect galvanized steelwork frame over existing steelwork sub-structure including all braces, ties, plates, bolts, connections and shims in accordance with design intent and approved fabrication drawings.	t	5.4		
7.5	Handrails (Stainless Steel) Supply and fit 50mm brushed stainless steel handrails to balustrades complete with all fittings and ends as approved by the Employers Representative.	m	52		
	MODIFY, ADD TO ABOVE ITEMS AS PER CONTRACTORS MEASURE				
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Item No.	Item Description	Unit	Qty	Rate	Amount
8.0	GRP BRIDGE DECKING Supplier: Krafton 0031 168 22 75 10 www.krafton.uk				
8.1	GRP Bridge Decking (for Bridge nos. B-1) Supply and fit 500mm wide by 55mm deep 500.55 GRP bridge decking planks (manufactured by Krafton Planks or approved equivalent) including all steel clips, fittings and EPDM rubber bearing layer to structural steel beams as per Fixing Method 1 ; complete with GRP edge trims. Surface finish to be factory applied anti-slip grit finish. Colour grey (T. B. C). Minimum design life: 50 years. All as per the Specification and drawings	m2	62		
8.2	GRP Bridge Decking (for Bridge nos. B-2) Supply and fit 500mm wide by 55mm deep 500.55 GRP bridge decking planks (manufactured by Krafton Planks or approved equivalent) including all steel clips, fittings EPDM rubber bearing layer to greenheart timber beams as per and 4 no GRP Angle profiles tixed to greenheart beams at 600mm C/C in accordance with Fixing Method 3 ; complete with GRP edge trims. Surface finish to be factory applied anti-slip grit finish. Colour grey (T. B. C). Minimum design life: 50 years. All as per the Specification and drawings	m2	21		
8.3	Top coat sealer Apply a top coat sealer consisting of a liquid-proof high density sealing that encloses all grit particles preventing the grit from coming loose, as provided by Krafton and approved by the Employers representative	m2	83		
	MODIFY, ADD TO ABOVE ITEMS AS PER CONTRACTORS MEASURE				
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Item No.	Item Description	Unit	Qty	Rate	Amount
9.0	BALUSTRADES, RAILINGS & SIDING (ACCOYA MODIFIED TIMBER) Contact: McFadden Joinery 074 9139026				
9.1	Accoya Newel Posts Make square 100mm x 100mm x 1600mm newel post by gluing 2 no 100mm x 50mm accoya planks in the work shop and through bolting with 2no. M10 grade A5 stainless bolts and 40mm oversized washers. Planed surface finish. Note: Total net length of 100mmx50mm plank = 90m	no	28		
9.2	Accoya Rails Supply 100mm x 44mm accoya plank for rails. Planed surface finish.	m	340		
9.3	Accoya Framing to siding Supply 100mm x 44mm accoya plank for framing for fixing siding. Planed surface finish.	m	220		
9.4	Accoya Siding Supply 125mm x 25mm accoya siding plank for siding to substructure as shown in the drawings	m2	42		
9.5	Accoya Spindles Supply 40mm x 40mm x 1100mm accoya spindles for balustrade. Planed surface finish.	m	550		
9.6	Accoya Balustrade Top Plate Supply 125mm x 44mm accoya top plate to balustrade. Planed surface finish.	m	42		
9.7	Bolts, Screws and fixings Supply and assemble accoya timber with grade A5 stainless steel 10mm bolts and 5mm screws in accordance with specification. Use stainless steel 40mm oversized washers to all nut and bolt heads. Note: Screw fixings into the Greenheart beams will require a pilot hole as screws will not self thread.	sum			
9.8	Construction and assembly of bridge no. B-1 Prepare cut and assemble accoya timber members as noted in the drawings to form the balustrade and siding complete in accordance with the design intent and drawings and specification.	sum			
9.9	Construction and assembly of bridge no. B-2 Prepare cut and assemble accoya timber members as noted in the drawings to form the balustrade and siding complete in accordance with the design intent and drawings and specification.	sum			
	MODIFY, ADD TO ABOVE ITEMS AS PER CONTRACTORS MEASURE				
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Item No.	Item Description	Carried Forward Amounts €
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5.0	Page No. 9 CONCRETE WORKS	
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7.0	Page No. 11 DRAINAGE & SERVICE DUCTS	
8.0	Page No. 12 GRP BRIDGE DECKING	
9.0	Page No. 13 BALUSTRADES RAILING & SIDING (ACCOYA MODIFIED TIMBER)	
	SUB-TOTAL	
	VAT	
GRAND SUMMARY (Carry forward to the Tender and Schedule)		

