



Comhairle Contae Chiarraí
Kerry County Council

KERRY COUNTY COUNCIL

BALLYSEEDY WOOD AMENITY TRAIL III

AT CAMP, TRALEE CO. KERRY

VOLUME C - PRICING DOCUMENT

DATE: June 2026

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**BALLYSEEDY WOOD AMENITY TRAIL III
AT CAMP, TRALEE CO. KERRY****VOLUME C – PRICING DOCUMENT****Table of Contents**

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For & On Behalf of MRG				
Rev.	Status	Prepared By	Checked By	Date
0	Issued for Tender	S. Liwani	C. Sheehy	26.06.2026

Preamble to Pricing Document

1. General Directions

The quantities set forth in this Pricing Document have been prepared in metric units in accordance with the Civil Engineering Standard Method of Measurement Fourth Edition Revised (CESMM4 Revised) together with the amendments required by the Capital Works Management Framework Guidance Note GN 1.5.3 – The Pricing Document.

The Pricing Document shall be read in conjunction with:

- The Form of Tender
- The Public Works Contract
- The Works Requirements
- The Contract Drawings
- Any Site Investigation Information provided
- Any Environmental Reports and Assessments

The item descriptions identify the work covered by the respective items and shall be read in conjunction with the relevant CESMM4 Revised coverage rules, measurement rules and definitions.

The nature and extent of the Works shall be ascertained from the Contract Documents. The rates and prices entered by the Contractor shall be deemed to include for all obligations, liabilities, risks and requirements arising under the Contract whether expressly stated or reasonably implied. Unless expressly stated otherwise, rates and prices shall include:

- i) Labour and associated costs.
- ii) The supply of materials, goods, storage and costs in connection therewith including delivery to Site. Taking delivery of materials and goods supplied by others, unloading, storage, and costs in connection therewith.
- iii) Plant, equipment, machinery, fuel and associated cost.
- iv) Fixing, erecting and installing or placing of materials and goods in position.
- v) Temporary Works.
- vi) The effect on the phasing of the Works or any element of the Works to the extent set forth or reasonably implied in the documents on which the tender is based.
- vii) General obligations, liabilities and risks involved in the execution of the Works set forth or reasonably implied in the documents on which the tender is based (The provision of insurances and bonds are deemed to be general obligations).
- viii) Establishment charges, overheads and profit.
- ix) Waste management.
- x) Attendance and transport for sampling and testing carried out by the Employer's Representative, tests carried out by the Contractor, supplying results of tests carried out by the Contractor and providing test certificates.
- xi) Supply and delivery of samples to the Employer's Representative.
- xii) Complying with Quality Assurance schemes and providing certificates of conformity.
- xiii) Preparation and supply of detailed working drawings.
- xiv) Awaiting approvals and or consents.
- xv) Complying with all Legal Requirements and ensure that the Contractor's Personnel comply with all Legal Requirements, including but not limited to those environmental, archaeological and health and safety requirements as set out in the Works Requirements and Contract Conditions.

2. Amendments to CESMM4 revised

The following amendments required by CWMF Guidance Note GN 1.5.3 shall apply:

- a) Any reference to "Contract Administrator" shall be read as "Employer's Representative".
- b) In CESMM4 Revised paragraph 1.5 the word "estimated" shall be deleted.
- c) CESMM4 Revised paragraph 1.6 shall be replaced by the words "Not Used".
- d) Any reference to "Contract Administrator" in Work Classification Items A21, A22, A23 and A24 and Class E Measurement Rule M17 shall be interpreted as a reference to the Employer's Representative.
- e) Attendance on Specialists shall include all attendance required by the Contractor to facilitate specialist contractors and suppliers engaged in connection with the Works.
- f) The CESMM4 Revised guidance relating to Dayworks under paragraph 5.7 shall not apply unless specifically included elsewhere in the Contract.

3. Pricing of Items

- (i) Each individual item shall have a rate or price entered against it. Rates and Prices shall be expressed to two decimal places.
- (ii) Rates and prices shall be deemed to include for all obligations and requirements described in this Preamble unless specifically stated otherwise.
- (iii) No separate payment shall be made for any work required to complete the Works where such work is reasonably inferred from the Contract Documents.

3. Method Related Charges

Method Related Charges shall be certified and paid in accordance with the provisions of the Contract.

The Contractor shall be deemed to have fully assessed all constraints affecting the execution of the Works including site access, environmental restrictions, weather conditions, woodland working, river proximity and temporary works requirements.

4. Pro-Rata Payments

For the following items payment will be made in instalments in interim certificates to the proportion that the value of work completed bears to the total of the Pricing Document before the addition or deduction of the Adjustment Item:

- (i) Compliance with construction, safety, health and welfare Regulations.

5. P.C. Sums

Where Prime Cost Sums are included within the Works, full allowance shall be deemed to be included in the percentage additions associated with such sums for all costs arising from disruption, demobilisation and remobilisation, inconvenience, delay, programming and sequencing impacts, and any other associated time-related or indirect costs arising from the execution and integration of the relevant elements of the Works.

6. Mobilisation and Removal

Mobilisation and removal costs shall not be paid in advance. Where included within the Pricing Document such payments shall be made pro-rata over the duration of the relevant work section.

7. Adjustment Item

Interim additions or deductions relating to the Adjustment Item shall be made in accordance with the Contract Conditions.

8. Temporary Works

The Contractor shall include within his rates and prices for all Temporary Works required for completion of the Works. Temporary Works shall include but shall not be limited to:

- i) Temporary access roads.
- ii) Crane platforms.
- iii) Set-down areas.
- iv) Temporary fencing.
- v) Temporary traffic management.
- vi) Temporary environmental protection measures.
- vii) Temporary protection works.
- viii) Temporary Steel Platform across existing bridge deck and associated works.

No additional payment shall be made unless specifically measured.

9. Site Access Road and set down areas

The Contractor shall allow for all temporary and permanent site access arrangements necessary to complete the Works. The Contractor shall include for:

- (a) Construction and maintenance of road.
- (b) Reinstatement of all disturbed areas.
- (c) Removal of temporary crane platform.

10. Rock

Rock is defined as material found in ledges or masses in their original position which would normally have to be loosened either by blasting or by pneumatic tools, or is excavated by hand by wedges and sledge hammer.

Individual masses shall only be regarded as rock when their volume exceeds 1 cube except that the minimum volume shall be 0.25 cube where the net width of excavation is less than 2.0m. The above definition of individual masses will apply to all work classes.

It should be noted that all rock quantities given in the Bill of Quantities are provisional quantities and may not be realised. Refer to site investigation report.

11. Specifications

To avoid long descriptions and repetitions, descriptions of measured items refer to the Specification by using the words "As Specified" or "As per Works Requirements Clause No." or "As per the Specification"

12. Drawings

To avoid long descriptions and repetitions, descriptions of measured items refer to the Drawings by using the words “as detailed” or “as detailed on Drawing No.”.

13. Abbreviations Etc.

The following abbreviations have been used in the description of Items in this Pricing Document:

B.S.	for British Standard
I.S.S.	for Irish Standard Specification
(m.s).	for (measured separately)
m	for metre
m ²	for square metre
m ³	for cubic metre
Nr.	for number
Kg.	for kilgramme
ha.	for hectare
t	for tonne

14. Pipeline measurement

For the purposes of this Contract, the commencing surface shall be the original surface. For measurement purposes, pipeline depths shall be measured from the commencing surface to the invert of the pipe in accordance with CESMM4.

15. Bridge installation

The Works include the installation of bridge Structure No. 3. The Contractor shall include for:

- (a) Delivery and offloading.
- (b) Storage and handling.
- (c) Temporary supports.
- (d) Lifting operations.
- (e) Craneage.
- (f) Assembly and installation.

The Contractor shall prepare and implement all lifting plans and method statements required for safe execution of the Works.

16. Work Within and adjacent to Non-tidal Water

The Works are located adjacent to the River Lee within Ballyseedy Woods, County Kerry.

The Contractor shall allow in his rates and prices for all measures necessary to execute the Works within, adjacent to, over, or below non-tidal open water and within areas potentially subject to fluvial flooding.

Flood level information obtained from the Office of Public Works (OPW) flood mapping is provided for information purposes only and shall not relieve the Contractor of any obligation under the Contract.

The mapped 1% Annual Exceedance Probability (AEP) fluvial flood levels for the River Lee in the vicinity of the Site are:

- Upstream of the N22 Tralee Bypass underpass: 6.37m OD Malin.
- Downstream of the N22 Tralee Bypass underpass: 5.84m OD Malin.

Tenderers should note that topographical survey information obtained on 27 April 2026 indicates that portions of the Site are below the above flood levels.

The Contractor shall be deemed to have satisfied himself as to the nature and extent of flood risk, river level fluctuations, groundwater conditions, surface water conditions, access constraints and all other matters affecting the execution of the Works. The Contractor shall include within his rates and prices for:

- (a) Flood risk management during construction.
- (b) Temporary protection of the Works from flooding.
- (c) Pumping, dewatering and maintaining excavations free from water.
- (d) Temporary drainage and diversion of surface water.
- (e) Temporary works required adjacent to the River Lee.
- (f) Protection of the River Lee from sediment, pollution and contamination.
- (g) Provision, maintenance and removal of silt control measures.
- (h) Delays, disruption, resequencing of works and temporary protection measures arising from river levels, weather conditions, flooding events or environmental constraints.
- (i) Removal and reinstatement of temporary works associated with flood protection measures.

No additional payment shall be made for compliance with the requirements of this Clause unless specifically measured elsewhere in the Pricing Document.

17. Existing Services

Information concerning existing services shown on the drawings is believed to be correct but is not guaranteed. The Contractor shall satisfy himself as to the location of all existing services before commencing excavation or construction activities. The Contractor shall include in his rates and prices for:

- (a) Protection of services.
- (b) Service location surveys.

No additional payment shall be made for delays or disruption arising from normal service coordination requirements.

18. Excavation

Excavation shall be measured in accordance with CESMM4 Revised. General excavation of a structure or foundation including headwall and rock armour and gabions has been measured as the volume which is to be either occupied by or vertically above any part of the foundation or structure as indicated in the Works Requirements and drawings, and no allowance has been made for sloping sides, for over excavation or for bulking after the materials have been excavated.

In accordance with CESMM4 excavation, preparation of surfaces, disposal of excavated material, upholding sides of excavations and backfilling (with selected excavated material) of pipeline trenches is not measured separately and is deemed to be included in the rates for pipes in trenches. This excludes backfilling of trenches with material other than that excavated from the trench including pipe bedding, Clause 804 and Clause 503 materials where specified on the drawings and in the Works Requirements.

Please Note: - No additional monies shall be paid under any circumstances for over excavation of trench

widths or for additional widths of pipe bedding, Clause 804, Class 503 or selected backfill materials or for additional widths of reinstatement; these items shall be fully included in the Contractors fixed price shall also include for:

- (a) Temporary sheet piling to sides of excavation (if necessary).
- (b) Timbering of trenches and for upholding and maintaining excavation.
- (c) Backfilling of trenches and removal and disposal of surplus excavated materials.
- (d) Protecting of formations from ingress of water.

19. Pipe Laying

The contractor shall include in his fixed price lump sum contract an amount for pipe laying which includes for supplying, delivery, stringing, excavation, laying, welding and jointing and for support to each length of pipe where specified. His price shall be deemed to include for backfilling (including specially selected backfill as specified over granular haunch) and ramming and for removal of surplus excavated material to a licensed waste disposal site (Waste Permit) by transportation vehicles possessing the relevant Waste Collection Permit. All transportation vehicles operating outside of the site (i.e. on public roads) shall be licensed and shall have a current certificate of roadworthiness and the price shall fully include for this requirement. The price shall also include specials, where these form part of pipelines and shall include for all bolts, rings and any other joints.

20. Damage to Boundary Wall

The Contractors price shall be deemed to include for the restoration and making good of all boundary walling, fencing etc., directly damaged or affected by the use of explosives or machinery during the construction activities.

21. Environmental Protection

The Works are located within Ballyseedy Woods and adjacent to the River Lee. The Contractor shall include for all environmental protection measures necessary to execute the Works. Such measures shall include:

- (a) Protection of watercourses.
- (b) Pollution prevention.
- (c) Sediment control.
- (d) Silt management.
- (e) Protection of habitats.
- (f) Protection of trees and vegetation.
- (g) Dust suppression.
- (h) Waste management.
- (i) Environmental monitoring where required.

No additional payment shall be made for compliance with environmental obligations.

22. Invasive Species

The Contractor shall note that Himalayan Balsam may be present within the Works area. The Contractor shall include for:

- (a) Identification of affected areas.
- (b) Prevention of spread.
- (c) Segregation of contaminated materials.
- (d) Cleaning of plant and equipment.
- (e) Compliance with all statutory requirements and recognised guidance documents relating to invasive species management.

No separate payment shall be made unless specifically measured.

23. Traffic Management and Construction Sequence

Tenderers should note that items have been included in the Pricing Document for traffic management. The Tenderers rates must include all safety measures, County Kerry Council liaison, submission of the Traffic Management Plan prior to commencement of the works and all temporary works required for construction of this section of the works. Tenderers should also note that commencement of work will not be allowed prior to the submission and approval of the Traffic Management Plan.

24. Bond

Payment of any bond item included in the Pricing Document shall be made upon submission of satisfactory evidence that the bond has been provided in accordance with the Contract.

25. Saw cutting of Roads

Tenderers should note that saw cutting of roads shall be carried out **prior** to excavation. Any extra road repair or 'overbreak' due to ground conditions shall be the responsibility of the Contractor and repaired at his own expense. The Contractor shall also note that damage to existing kerbs, paths or bitumen 'over run' during resurfacing works will necessitate the immediate replacement of damage kerbs and paths at the Contractor's own expense.

Saw cutting has been included in the item for restoration and measured per linear metre of pipe run. (Allow 2m per linear metre).

Tenderers shall note that Bitumen Sealant shall be included in the rates for reinstatement to roads.

26. Road Protection

Tenderers should note that all plant and machinery used for the works shall be rubber traced or rubber tyred. Metal tracked plant or plant that may damage the road surface will not be allowed for all aspects of the works. Tenderers should price all work items to reflect this.

27. Utility Service Providers

The Tenderer should note that all excavation and construction work in the affected area may be periodically monitored by the Utility Service Providers. He should allow for this monitoring, liaison and all normal activity associated with this monitoring, in his general rates.

SCHEDULE OF RATES - LABOUR

To be completed at submission of Tender.

The rates inserted below against each category of labour shall apply to hours worked by the operatives only for normal hours, overtime and unproductive hours, and shall cover 'amounts of wages' as stated in the Dayworks Schedule.

	Normal Time
General Operative	
Machine Driver	
Pipelayer	
Steel Fixer	

SCHEDULE OF RATES - MATERIALS

To be completed at submission of Tender.

The following are taken to be the basic price of all main materials ruling at the designated date. This Schedule shall be the Schedule of Materials referred to in Clause 67 of the Conditions of Contract. Copies of all back-up quotations for the unit prices inserted below, another unit prices, may be required of the Tenderer.

Material	Unit	Price
Class C12/15 concrete	m ³	
Class C25/30 concrete	m ³	
Class C30/37 concrete	m ³	
Class C32/40 concrete	m ³	
Class C35/45 concrete	m ³	
A393 mesh	t	
H12 reinforcement	t	
H16 reinforcement	t	
H20 reinforcement	t	
Imported type B backfill (Clause 804)	m ³	
Imported Class 6N Series 600 backfill	m ³	
Imported Class 6F2 Series 600 backfill	m ³	
Class 4/10 Series 503 bedding	m ³	
Imported Class 6A Series 600 backfill	m ³	
Material	Unit	Price
DN750 Concrete Pipe Class 120, spigot and socket	lin.m	
DN900 twinwall HDPE corrugated pipe	lin.m	
Terram T1000 Geotextile	m ²	
Tensar TX160 Geocomposite	m ²	

BILL PART 01: GENERAL ITEMS
BALLYSEEDY WOOD AMENITY TRAIL PHASE III

Ballyseedy Wood Amenity Trail Phase III

Bill Part 1 - General Items

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
BILL PART NUMBER 01		PART 1 - CLASS A - GENERAL ITEMS				
		CONTRACTUAL REQUIREMENTS				
	A120	Insurance of Works				
	A120.1	The business description under all policies must cover the full extent of the contract work. The name of the insured on the policies must match the name of the tendering company.	sum	1		
		Provision of insurance as follows:-				
	A120.2	Public Liability Insurance in accordance with section 3.3f of the Suitability Questionnaire. The policy shall cover the role of Project Supervisor Construction Stage.	sum	1		
	A120.3	Employers Liability Insurance in accordance with section 3.3g of the Suitability Questionnaire.	sum	1		
	A120.4	Contractors All Risk (CAR) Insurance for full contract value plus 10%. Motor Insurance in the sum of €6.5m.	sum	1		
	A120.5	Indemnification of the landowner against all claims, damages, losses and liabilities arising from the Contractor's construction activities and the use of farm access roads, haul routes and set-down areas for the execution of the Works, including compliance with all obligations under the Contract.	sum	1		
		Health & Safety				
	A190.1	Provide for compliance with the Safety, Health and Welfare at Work Act, the Safety, Health and Welfare at Work (Construction) Regulations and all associated statutory requirements.	sum	1		
	A190.2	Acceptance of appointment as Project Supervisor for the Construction stage (PSCS). The contractor shall assume the legal role of PSCS under the safety, health and welfare at work (construction) Regulations 2013.	sum	1		
		Note: this Item to include for delivery of health and safety file documentation including hard copies and digital copies of as-built drawings.				
	A190.3	General compliance with conditions of contract.	sum	1		
	A190.4	Preparation and submission of Construction Method statements for all elements of the Works.	sum	1		
	A190.5	Preparation, implementation and maintenance of Traffic Management Plan, including all temporary traffic management measures, signage, barriers, traffic control and maintenance of safe access at construction site entrances from the N22 Tralee Bypass and the L2059 Local Road, in accordance with the Contract Documents, the Traffic Signs Manual and applicable TII requirements	sum	1		
	A190.6	Preparation of Construction Stage Waste Management Plan including demolition waste.	sum	1		
TOTAL PAGE 1 CARRIED FORWARD TO BILL PART 1 SUMMARY						

Ballyseedy Wood Amenity Trail Phase III**Bill Part 1 - General Items**

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
	A190.7	Preparation and implementation of Construction Stage Construction and Environmental Management Plan (CEMP).	sum	1		
	A190.8	Preparation and implementation of Dust Management Plan.	sum	1		
	A190.9	Provision of site security, public protection measures, protection of third-party property, temporary fencing, signage and all associated safety measures.	sum	1		
	A190.10	Submission of monthly programme updates showing planned and actual progress.	sum	1		
	A190.11	Carry out Condition Survey of all existing roads, tracks, structures, boundaries and adjoining lands affected by the Works prior to commencement and upon completion.	sum	1		
		SPECIFIED REQUIREMENTS				
	A200.1	Supply and install 600mm x 600mm "Amenity Trail Sign" including galvanised steel support frame (2 no. posts 60mm x 4.0mm CHS, 2.1m long with 0.5m crossbar), fixing, installation and embedment as per Contract Drawing no. 126001-309.	nr	1		
	A200.2	Supply and install 1200 x 700mm Wayfinding Signage and Mapping Panel (Sign Type 06B), complete with 2 No. 50mm dia. posts, foundations, embedment, fixings and all ancillary works, in accordance with Drawing No. 126001-309. Powder-coated aluminium panel with full-colour graphics, anti-graffiti and UV-resistant coating, mounted on rear steel/aluminium sub-frame, textured bronze finish. Design, colour and finish to be agreed with the Client prior to manufacture.	nr	1		
		Engineers Accommodation				
	A211.1	Establishment of office and toilet for the Engineers Staff.	sum	1		
	A211.2	Maintenance of office and toilet for the Engineers Staff for the duration of the contract.	sum	1		
	A211.3	Removal of office and toilet for the Engineers Staff.	sum	1		
		Progress Photographs				
	A240	Provision of progress photographs including pre-construction, during construction and completion stages, including digital records. Also include for photographic record of condition of the existing farm access oad to be used as the haul roads for the works.	sum	1		
		Testing of Materials				
	A250	Provision of all sampling, testing and certification of materials in accordance with Specification, including aggregates, concrete, bedding and all incorporated materials.	sum	1		
TOTAL PAGE 2 CARRIED FORWARD TO BILL PART 1 SUMMARY						

Ballyseedy Wood Amenity Trail Phase III**Bill Part 1 - General Items**

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
		Temporary Works				
	A270.1	Provide all measures necessary to prevent pollution, sediment release and contamination of streams, drains and watercourses during the Works.	sum	1		
	A270.2	Supply, install, maintain and remove temporary silt fences and sediment control measures in accordance with EPA and Inland Fisheries Ireland guidance.	sum	1		
	A270.3	Supply, install, maintain and remove 2.0m high temporary Heras fencing including all posts, fixings and reinstatement (for use as directed by the employer).	m	100		
	A270.4	Supply, install, maintain and remove temporary project information signage and support structures as instructed.	sum	1		
	A270.5	Undertake inspection, identification, marking, protection and management of invasive species within and adjacent to the Works areas.	sum	1		
	A270.6	Compliance with mitigation measures identified in Appropriate Assessment Screening Report and Ecological Reports.	sum	1		
	A272.1	Provide, maintain, modify and remove all temporary traffic and pedestrian management measures required for the duration of the Works.	sum	1		
	A290.1	Preparation and submission of Safety File and As-Built Drawings (AutoCAD format) no later than 2 weeks prior to Substantial Completion.	sum	1		
	A290.2	Liaison with Inland Fisheries Ireland, utility providers, local authorities and statutory bodies as required for execution of the Works.	sum	1		
	A290.3	Establishment, maintenance and removal of Contractor's compound including offices, welfare facilities, storage, parking and services, including reinstatement.	sum	1		
	A290.4	Dust control measures in accordance with Specification and CEMP.	sum	1		
		Control Stations				
	A290.5	Establishment of survey control stations for setting out the works.	sum	1		
		Method-Related Charges				
	A321	Provision, operation, maintenance and removal of temporary electricity supply including generators, fuel, cabling, distribution and lighting.	sum	1		
	A322	Provision, operation and removal of temporary water supply including storage, bowsers, delivery and distribution systems.	sum	1		
	A327	Provision and maintenance of welfare facilities in compliance with statutory requirements.	sum	1		
TOTAL PAGE 3 CARRIED FORWARD TO BILL PART 1 SUMMARY						

Ballyseedy Wood Amenity Trail Phase III**Bill Part 1 - General Items**

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
	A371	Provision of Site Supervision in accordance with the General Conditions of Contract.	sum	1		
	A390	Removal of all temporary works, compounds, fencing, signage, welfare facilities, surplus materials and debris and reinstatement of all disturbed areas to Engineer's satisfaction.	sum	1		
		CLASS B - GROUND INVESTIGATION				
	B521.1	Plate bearing plat tests to be carried out on subsoil or granular fill surfaces.	nr	18		
	B521.2	Plate bearing plat tests to be carried out in pits or trenches.	nr	6		
TOTAL PAGE 4 CARRIED FORWARD TO BILL PART 1 SUMMARY						

Ballyseedy Wood Amenity Trail Phase III
Bill Part 1 - General Items

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
		BILL PART 1 GENERAL SUMMARY PAGE 1 PAGE 2 PAGE 3 PAGE 4				
TOTAL CARRIED FORWARD TO GENERAL SUMMARY						

BILL PART 02: BALLYSEEDY AMENITY TRAIL WORKS
BALLYSEEDY WOOD AMENITY TRAIL PHASE III

**Ballyseedy Wood Amenity Trail Phase III
Bill Part 2: Ballyseedy Amenity Trail Works**

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
BILL PART NUMBER 02		PART 2 - BALLYSEEDY AMENITY TRAIL WORKS				
		CLASS D - DEMOLITION AND SITE CLEARANCE				
		Site Clearance				
	D110	General Clearance	ha	0.3		
	D120	Invasive plant species	m ²	2600		
	D210	Remove Trees of girth 500mm to 2m	nr	4		
	D310	Grub up roots and stumps	nr	4		
		Take up or Down and Set Aside for reuse or Remove to store or Tip off Site				
	D511	Take up or down and remove to tip off site existing headwall at approximate chainage 545m.	sum	1		
	D561	Take up or down and remove to stockpile on site existing boulders between chainage 480 m and 540 m (Provisional).	sum	1		
	D700.1	Take up or down and remove to tip off site existing flap valve at apprximate chainage 545m.	nr	1		
	D700.2	Take up or down and remove to tip off site existing Timber Post and rail fence with mesh in accordance with Drawing Nos. 126001-201 and 202.	m	180		
	D700.3	Take up or down and set aside for reuse existing steel field gate in accordance with Drawing Nos. 126001-201 and 202.	nr	2		
		CLASS E - EARTHWORKS				
	E211.1	Excavation of acceptable material Class 5A (Topsoil), maximum depth not exceeding 0.25m	m ³	700		
	E211.2	Excavation of topsoil within areas containing invasive species, maximum depth not exceeding 0.25m, including handling in accordance with TII Technical Guidance GE-ENV-01105.	m ³	715		
	E221	Excavation of acceptable material excluding Class 5A, rock or artificial hard material, maximum depth not exceeding 0.25m	m ³	900		
	E222	Excavation of unacceptable material Class U1 in cutting and below sub-formation level, including soft spots and voids, depth 0.25–0.50m.	m ³	100		
	E322	Excavation of acceptable material excluding topsoil, rock or artificial hard material for bench foundations, depth 0.25 - 0.5m.	m ³	1		
	E324.1	Excavation of acceptable material excluding topsoil, rock or artificial hard material for gateway sign foundation, depth 1 - 2m.	m ³	1		
	E324.2	Excavation acceptable material excluding topsoil, rock or artificial hard material for headwall foundations, depth 1 - 2m.	m ³	75		
TOTAL PAGE 1 CARRIED FORWARD TO BILL PART 2 SUMMARY						

Ballyseedy Wood Amenity Trail Phase III
Bill Part 2: Ballyseedy Amenity Trail Works

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
	E324.3	Excavation acceptable material excluding topsoil, rock or artificial hard material for formation of rock armour scour protection areas, depth 1 - 2m.	m³	100		
	E324.4	Excavation acceptable material excluding topsoil, rock or artificial hard material for Gabion wall foundations, depth 1 - 2m.	m³	145		
	E424	Excavation acceptable material excluding topsoil rock or artificial hard material for low flow channel, depth 1 - 2m.	m³	70		
	E430	Extra over excavation in rock (Provisional)	m³	10		
		Excavation Ancillaries				
	E512	Trimming of excavated surfaces to receive geotextile; material other than topsoil, rock or artificial hard material; surfaces at 0 to 10 degrees to horizontal.	m²	3435		
	E522	Preparation of excavated surfaces in material other than topsoil, rock or artificial hard material to receive geotextile and bedding layers for river toe and embankment protection works, including formation of slopes 10° to 45° to horizontal and all associated works, complete.	m²	150		
	E531	Deposition of excavated topsoil from areas containing invasive species to the designated on-site containment area.	m³	715		
	E532	Deposition of excavated unacceptable material Class U1 in designated on site stockpile area.	m³	100		
	E533	Disposal of hard rock (Provisional) on site stockpile	m³	10		
	E541	Deposition of excavated material Class 5A (Topsoil) in stockpile on site for later re-use.	m³	700		
	E542	Deposition of acceptable material excluding Class 5A in stockpile on site for later re-use.	m³	1295		
		Filling				
	E624	Fill to embankments and other areas of fill with suitable excavated material other than topsoil or rock, to TII specification CC-SPW-00600, spread and compacted in layers not exceeding 250mm thick.	m³	1295		
	E627.1	Supply, transport and place imported rock armour (nominal size 900 mm) for river toe protection on prepared formation, in accordance with Drawing Nos. 126001-306, 501 and 502, including interlocking and all associated works, complete.	m³	60		
	E627.2	Supply, transport and place imported riprap stone (nominal size 150–300 mm) for embankment widening and erosion protection to headwall outlet and apron slab on prepared formation, in accordance with Drawing Nos. 126001-501, 502 and 306, including placement and all associated works, complete.	m³	5		
	E641.1	Topsoiling 150mm surfaces sloping 10 degrees or less to the horizontal.	m²	1400		
TOTAL PAGE 2 CARRIED FORWARD TO BILL PART 2 SUMMARY						

Ballyseedy Wood Amenity Trail Phase III
Bill Part 2: Ballyseedy Amenity Trail Works

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
	E641.2	Topsoiling 150mm surfaces sloping more than 10 degrees to the horizontal.	m ²	1400		
	E635.1	Filling of soft spots and other voids with imported clause 804 Type B granular material.	m ³	25		
	E635.2	Imported Class 6F2 granular fill material to make up levels, deposited, spread and compacted in accordance with TII Specification for Road Works Series 600.	m ³	1500		
	E635.3	Imported Class 6N Granular fill material to TII specification CC-SPW-00600, deposited, spread and compacted in layers not exceeding 150mm thick.	m ³	60		
	E635.4	Imported Class 6A Granular bedding layer material to TII specification CC-SPW-00600, deposited, spread and compacted in layers not exceeding 150mm thick.	m ³	60		
	E635.5	Imported Clause 804 Type B granular material to TII specification CC-SPW-00800, deposited, spread and compacted in layers not exceeding 150mm thick.	m ³	35		
	E645.1	350mm thick capping layer of Class 6F2 material (maximum particle size 75mm), deposited, spread and compacted in accordance with TII Specification for Road Works Series 600.	m ²	1720		
	E645.2	300mm thick capping layer of Class 6F2 material (maximum particle size 75mm), deposited, spread and compacted in accordance with TII Specification for Road Works Series 600.	m ²	700		
	E645.3	200mm thick Type B filter material in accordance with TII Specification for Road Works Series 500, Clause 505 and Table 5/5, deposited, spread and compacted.	m ²	50		
		Filling Ancillaries				
	E730.1	Geotextile separator layer, Nonwoven Terram T1000 or approved equivalent; supplied and laid flat on prepared subgrade in all locations shown on drawings, including minimum 300mm overlaps.	m ²	3030		
	E730.2	Geogrid reinforcement layer; Tensar TX160 Geocomposite or approved equivalent, supplied and laid on the prepared subgrade, including overlaps, cutting and fixing, complete in accordance with the manufacture's installation guidelines.	m ²	400		
		Landscaping				
	E830.1	Grass seeding, surfaces sloping 10 degrees or less to the horizontal.	m ²	1400		
	E830.2	Grass seeding, surfaces sloping more than 10 degrees to the horizontal.	m ²	1400		
		CLASS F - IN SITU CONCRETE				
		Provision of Concrete				
	F152	In Situ Concrete, Class C25/30: 20mm aggregate.	m ³	0.4		
	F172	In Situ Concrete, Class C30/37: 20mm aggregate.	m ³	0.8		
TOTAL PAGE 3 CARRIED FORWARD TO BILL PART 2 SUMMARY						

Ballyseedy Wood Amenity Trail Phase III
Bill Part 2: Ballyseedy Amenity Trail Works

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
	F272	In Situ Concrete, Class C40/50: 20mm aggregate.	m³	10		
	F320	In Situ Concrete blinding, ST2 or equivalent Class C12/15 concrete, minimum 75mm thick.	m³	4		
		Placing of Concrete				
	F611.1	In Situ Concrete blinding under headwall, ST2 or equivalent Class C12/15 concrete, minimum 75mm thick.	m³	2		
	F611.2	In Situ Concrete for infill repairs to underside of footpath under bridge at approx. chainage 433m, ST2 or equivalent Class C12/15 concrete.	m³	2		
	F621	In Situ Concrete Class C25/30 concrete, for bench foundations, thickness not exceeding 150mm.	m³	0.4		
	F623	In Situ Reinforced Concrete Apron Slab at Trail crossing, Class C40/50 Concrete, 300mm thick.	m³	10		
	F624	In Situ Concrete Class C30/37 concrete, for gateway sign, wayfinding sign and sign showing information on funding authorities foundations, thickness exceeding 500mm.	m³	3		
		CLASS G - CONCRETE ANCILLARIES				
		Formwork				
	G143	Formwork (plain finish) to vertical sides of In Situ Reinforced Concrete Apron slab, width 0.2 - 0.4 m.	m²	8		
		Reinforcement				
	G523	A393 Steel Rebar Mesh; nominal size 10mm.	t	0.25		
		Concrete Accessories				
	G811	Brushed finish to top surface of In Situ Reinforced Concrete apron Slab.	m²	34		
		DRAINAGE				
		CLASS H - PRECAST CONCRETE				
	H700.1	Precast reinforced concrete headwall to 900mm Dia HDPE corrugated pipe culvert, location as shown on Drawing No. 126001-501, Class C35/45 concrete, supplied, delivered and installed complete including all lifting, positioning, fixing and jointing.	nr	2		
	H700.2	Precast reinforced concrete headwall to 750mm Dia concrete pipe culvert, location as shown on Drawing No. 126001-502, Class C35/45 concrete, supplied, delivered and installed complete including all lifting, positioning, fixing and jointing.	nr	1		
		CLASS I - PIPEWORK - PIPES				
	I742	750mm nominal bore concrete pipe, supply, delivery, excavation, laying and jointing complete, depth not exceeding 1.5m, all in according with drawing No. 126001-502.	m	4.6		
TOTAL PAGE 4 CARRIED FORWARD TO BILL PART 2 SUMMARY						

Ballyseedy Wood Amenity Trail Phase III
Bill Part 2: Ballyseedy Amenity Trail Works

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
	I752	900mm nominal bore twinwall HDPE corrugated pipe, supply, delivery, excavation, laying and jointing complete, depth not exceeding 1.5m, all in according with drawing No. 126001-501	m	5		
	I753	900mm nominal bore twinwall HDPE corrugated pipe, supply, delivery, excavation, laying and jointing complete, depth 1.5m - 2m, all in according with drawing No. 126001-501.	m	4		
		CLASS K - PIPEWORK - MANHOLES AND PIPEWORKS ANCILLARIES				
	K151	Raise existing manhole by approximately 1.0 m, complete in accordance with Detail on Drawing No. 126001-502, including all excavation, demolition, removal and disposal of existing materials, reconstruction, and all ancillary works.	nr	2		
		CLASS L - PIPEWORK - SUPPORTS AND PROTECTION, ANCILLARIES TO LAYING AND EXCAVATION				
		Extras to excavation and backfilling				
	L116.1	Backfilling in pipe trenches under proposed trail above final surface with imported Class 6F2 granular fill material to TII Specification for road works series 600, placed and compacted. Refer to drawing Nos. 126001-501 to 502 for details.	m ³	4		
	L116.2	Backfilling in pipe trenches in grassland areas above final surface with selected excavated material, placed and compacted. Refer to drawing Nos. 126001-501 to 502 for details.	m ³	3		
	L118	Excavation of soft spots and voids at bottom of trench and backfilling with imported Clause 804 granular material, including placing and compaction to TII Series 600 Specification.	m ³	1		
		Beds, haunches and Surrounds				
		Bed, haunch and surround in coarse aggregate Class 4/10 to IS EN13242 & Clause 503 of Series 500 TII specification for Road Works lightly compacted and laid uniformly along pipe trench as per detail on Drawing Nos. 126001-501 to 502.				
	L334	bed; pipe nominal bore 750mm	m	4.6		
	L335	bed; pipe nominal bore 900mm	m	9		
	L434	Haunch; pipe nominal bore 750mm	m	4.6		
	L435	Haunch; pipe nominal bore 900mm	m	9		
	L534	Surround; pipe nominal bore 750mm	m	4.6		
	L534	Surround; pipe nominal bore 900mm	m	9		
TOTAL PAGE 5 CARRIED FORWARD TO BILL PART 2 SUMMARY						

Ballyseedy Wood Amenity Trail Phase III
Bill Part 2: Ballyseedy Amenity Trail Works

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
		CLASS M - STRUCTURAL METALWORK				
	M332	Design, manufacture, supply and install feature entrance gateway signage comprising galvanised and powder-coated steel support posts, curved sign panel with cut-out "BALLYSEEDY" lettering, decorative laser-cut feature panels, anchor bolts, holding-down bolts, connection plates, protective coatings and all associated metalwork complete in accordance with the Drawings and Specification.	nr	1		
		CLASS R - ROADS AND PAVINGS				
		Sub-base				
	R123	Pavement, Gravel Surface course, Granular material type B to clause 804, 100mm thick in cycle track/footway, hardshoulder and hardstrip, laid and compacted in accordance with TII Specification Series 800.	m ²	1490		
	R124	Sub-base, Granular material Type B to Clause 804, 150mm thick, laid and compacted in accordance with TII Specification Series 800.	m ²	660		
	R137	300mm thick crushed angular stone stabilisation layer (100mm down, even graded), laid above geocomposite and compacted in accordance with TII Specification for Road Works Series 600.	m ²	400		
		Pavement				
	R332	Pavement, Binder Course, AC 20 Dense bin 70/100 des with 20mm aggregate, 50mm thick in cycle track/footway, hardshoulder and hardstrip.	m ²	425		
	R333	Pavement, Binder Course, AC 20 Dense bin 70/100 des with 20mm aggregate, 65mm thick in farm access road, hardshoulder and hardstrip.	m ²	185		
	R431	Pavement, surface course, SMA 10 surf 70/100 with 14mm aggregate wearing course, 25mm thick in cycle track/footway, hardshoulder and hardstrip.	m ²	425		
	R432	Pavement, surface course, SMA 10 surf 70/100 with 14mm aggregate wearing course, 35mm thick in farm access road, hardshoulder and hardstrip.	m ²	185		
		Regulating				
	R482	surface regulating course, AC 20 Dense bin 70/100 des with 20mm aggregate, various depth, minimum 40mm thick in carriageway, hardshoulder and hardstrip.	t	0.2		
		Bond coat				
	Rxxx	Bond coat, Cationic Bituminous Emulsion Grade C65BP3, applied at a minimum rate of 0.30 kg/m ² between asphalt layers and at interfaces with existing pavement, complete in accordance with TII Specification for Road Works Series 900.	m ²	610		
TOTAL PAGE 6 CARRIED FORWARD TO BILL PART 2 SUMMARY						

Ballyseedy Wood Amenity Trail Phase III
Bill Part 2: Ballyseedy Amenity Trail Works

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
	Rxxx	Saw cut existing bituminous pavement and trim edges to form tie-in with new pavement construction, complete in accordance with TII Standard Detail CC-SCD-00704.	m	21		
		Ancillaries				
	R811.1	Permanent retroreflective traffic sign to Department of Transport Traffic Signs Manual, Sign W145 (Cyclists Dismount), non-illuminated sign face exceeding 0.25 m ² but not exceeding 0.50 m ² in area, fixed to new chicane barrier/rail structure including all brackets, fixings and associated fittings.	nr	2		
	R811.2	Permanent retroreflective traffic sign to Department of Transport Traffic Signs Manual, Sign W110 (Restricted Headroom), indicating minimum headroom of 2.2 m, non-illuminated sign face not exceeding 0.25 m ² in area, mounted to underpass structure including all brackets, fixings and associated fittings.	nr	2		
	R811.3	Permanent retroreflective traffic sign to Department of Transport Traffic Signs Manual, Sign W170 (other hazard mounted with supplementary plate P 069), non-illuminated sign face exceeding 0.25 m ² but not exceeding 0.50 m ² on one tubular steel support.	nr	2		
	R824	Continuous pedestrian line to Department of Transport Traffic Signs Manual, Marking M131, 100mm wide, in white thermoplastic screed, including surface preparation, application, glass beads and all associated works complete.	m	20		
		CLASS X - MISCELLANEOUS WORKS				
		Fences				
	X113	Timber Post and Rail Fence with galvanised chainlink mesh infill, 1.30m high, complete with posts, rails, mesh, straining wires, fixings, excavations and concrete foundations, constructed in accordance with TII standard Detail CC-SCD-00301.	m	96		
	X123	Timber post and tension fence, 1.35m high, complete with posts, tension wires, struts, fixings, excavations and concrete foundations, constructed in accordance with TII Standard Detail CC-SCD-00320.	m	542		
		Gates				
	X222	Supply, fabricate and install bespoke steel chicane access control gate, hot-dip galvanised and coated, including all posts, hinges, lockable drop pin, padlock provision, fittings, foundations and all associated works, complete, in accordance with Drg. No. 126001-308.	nr	7		
TOTAL PAGE 7 CARRIED FORWARD TO BILL PART 2 SUMMARY						

Ballyseedy Wood Amenity Trail Phase III
Bill Part 2: Ballyseedy Amenity Trail Works

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
	X226.1	Dismantling and reinstate existing steel single field gate, 1.35 m high, previously removed and stored on site, including supply and installation of new tubular galvanised steel gate posts, hinges, latches, fixings and concrete foundations, and all associated works, complete, installed in accordance with TII Standard Detail CC-SCD-00309.	nr	1		
	X226.2	Dismantling and reinstate existing steel single field gate and existing gate posts, 1.35 m high, previously removed and stored on site, including hinges, latches, adjustments, fixings, concrete reinstatement where required and all associated works, complete, installed in accordance with TII Standard Detail CC-SCD-00309.	nr	1		
	X226.3	Type 2 Steel single field gate, 1.35 m high, complete with galvanised tubular steel gate posts, hinges, latch, fixings, concrete foundations and all associated works, installed in accordance with TII Standard Detail CC-SCD-00309.	nr	3		
	X410.1	Supply and installation of gabion baskets, 1.0 m long 1.0m x wide x 1.0 m high, including assembly, positioning, filling with suitable stone material to Clause CI D41/210, tying, lacing, closing, trimming and all associated works, for forming retaining structures in accordance with Drawing No. 126001-305 (typical cross section and construction details). complete.	nr	20		
	X410.2	Supply and installation of gabion baskets, 2.0 m long x1.0m wide x 1.0 m high, including assembly, positioning, filling with suitable stone material to Clause CI D41/210, tying, lacing, closing, trimming and all associated works, for forming retaining structures in accordance with Drawing No. 126001-305 (typical cross section and construction details), complete.	nr	40		
	X600	Supply and install 3.0m long recycled plastic amenity benches complete with stainless steel anchor fixings	nr	2		
TOTAL PAGE 8 CARRIED FORWARD TO BILL PART 2 SUMMARY						

Ballyseedy Wood Amenity Trail Phase III Bill Part 2: Ballyseedy Amenity Trail Works

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
		BILL PART 2 GENERAL SUMMARY PAGE 1 PAGE 2 PAGE 3 PAGE 4 PAGE 5 PAGE 6 PAGE 7 PAGE 8				
TOTAL CARRIED FORWARD TO GENERAL SUMMARY						

BILL PART 03: TEMPORARY ACCESS ROADS AND WORKING AREAS
BALLYSEEDY WOOD AMENITY TRAIL PHASE III

Ballyseedy Wood Amenity Trail Phase III
Bill Part 3: Temporary Access Roads and Working Areas

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
BILL PART NUMBER 03		PART 3 - TEMPORARY ACCESS ROADS AND WORKING AREAS				
		CLASS D - DEMOLITION AND SITE CLEARANCE				
		<i>Site Clearance</i>				
	D110	General Clearance	ha	0.53		
	D521	Take up or down and remove to tip off site temporary apron slab upon completion. Refer to drawing no. 126001-103.	sum	1		
		<i>Take up or Down and Set Aside for reuse or Remove to store or Tip off Site</i>				
	D700	Take up or down and remove to tip off site existing Timber Post and electric wire fence	m	45		
		CLASS E - EARTHWORKS				
	E211	Excavation of acceptable material Class 5A (Topsoil), maximum depth not exceeding 0.25m	m³	1330		
	E221.1	Excavation of acceptable material excluding Class 5A, rock or artificial hard material (subsoil), maximum depth not exceeding 0.25m	m³	910		
	E221.2	Excavation of unacceptable material Class U1 in cutting and other excavation, depth not exceeding 0.25m.	m³	110		
	E422	Excavation for removal of granular fill forming temporary crane platform in material other than topsoil, rock or artificial hard material, including loading, handling and transport to stockpile at location marked H on Drawing No. 126001-101.	m³	270		
		<i>Excavation Ancillaries</i>				
	E512	Trimming of excavated surfaces to receive geotextile; material other than topsoil, rock or artificial hard material; surfaces at 0 to 10 degrees to horizontal.	m²	3435		
	E532	Deposition of excavated unacceptable material Class U1 in designated on site stockpile area at location marked G on Drawing No. 126001-101.	m³	110		
	E541	Deposition of excavated material Class 5A (Topsoil) in stockpile on site at location marked F on Drawing No. 126001-101, for later re-use.	m³	1330		
	E542	Deposition of acceptable material excluding Class 5A in stockpile on site at location marked G on Drawing No. 126001-101, for later re-use.	m³	910		
		<i>Filling</i>				
	E641.1	Topsoiling 150mm surfaces sloping 10 degrees or less to the horizontal.	m²	2575		
	E641.2	Topsoiling 150mm surfaces sloping more than 10 degrees to the horizontal.	m²	150		
TOTAL PAGE 1 CARRIED FORWARD TO BILL PART 3 SUMMARY						

Ballyseedy Wood Amenity Trail Phase III
Bill Part 3: Temporary Access Roads and Working Areas

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
	E635.1	Imported Class 6F2 granular fill material to make up levels, deposited, spread and compacted in accordance with TII Specification for Road Works Series 600.	m³	100		
	E635.2	Filling to temporary crane platform with selected material other than topsoil or rock from stockpile on site at location marked on Drawing No. 126001-101. including spreading and compaction in accordance with Specification.	m³	270		
	E645.1	350mm thick capping layer of Class 6F2 material (maximum particle size 75mm), deposited, spread and compacted in accordance with TII Specification for Road Works Series 600.	m²	2895		
	E645.2	300mm thick imported Clause 804 Type B granular material, deposited, spread and compacted in accordance with TII Specification for Road Works Series 800.	m²	30		
		Filling Ancillaries				
	E730.1	Geotextile separator layer, Nonwoven Terram T1000 or approved equivalent; supplied and laid flat on prepared subgrade in all locations shown on drawings, including minimum 300mm overlaps.	m²	2925		
	E730.2	Geogrid reinforcement layer; Tensar TX160 Geocomposite or approved equivalent, supplied and laid on the prepared subgrade, including overlaps, cutting and fixing, complete in accordance with the manufacture's installation guidelines.	m²	540		
		Landscaping				
	E830	Grass seeding over the full width of the lands disturbed by the works, surfaces sloping 10 degrees or less to the horizontal.	m²	2575		
		CLASS F - IN SITU CONCRETE				
		Provision of Concrete				
	F272	In Situ Concrete, Class C40/50: 20mm aggregate.	m³	8		
		Placing of Concrete				
	F623	In-situ reinforced concrete apron slab to temporary steel platform over existing bridge, 300 mm thick, Class C40/50 concrete, all in accordance with Drawing No. 126001-103.	m³	8		
		CLASS G - CONCRETE ANCILLARIES				
		Formwork				
	G143	Formwork (plain finish) to vertical sides of In Situ Reinforced Concrete Apron slab, width 0.2 - 0.4 m.	m²	10		
		Reinforcement				
	G523	A393 Steel Rebar Mesh; nominal size 10mm.	t	0.17		
TOTAL PAGE 2 CARRIED FORWARD TO BILL PART 3 SUMMARY						

Ballyseedy Wood Amenity Trail Phase III
Bill Part 3: Temporary Access Roads and Working Areas

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
		Concrete Accessories				
	G811	Wood Float finish to top surface of In Situ Reinforced Concrete apron Slab.	m ²	24		
		CLASS M - STRUCTURAL METALWORK				
		Fabrication of main members for Temporary Bridge Deck Platform				
	M111.1	Primary beams comprising 203 UC 71 rolled sections, straight on plan, Grade S275 to IS EN 10025, fabricated and completed in accordance with Drawing No. 126001-103 and Specification Section G10.	t	2.2		
	M111.2	12mm thick steel plate forming temporary bridge deck, straight on plan, Grade S275 to IS EN 10025, fabricated and completed in accordance with Drawing No. 126001-103 and Specification Section G10.	t	2.2		
	M111.3	12 mm thick steel plate forming 150 mm high edge kick plate to temporary bridge deck, straight on plan, Grade S275 to IS EN 10025, fabricated and completed in accordance with Drawing No. 126001-103 and Specification Section G10.	t	0.22		
	M111.4	20 mm thick steel base plate to end of primary beams, straight on plan, Grade S275 to IS EN 10025, fabricated and completed in accordance with Drawing No. 126001-103 and Specification Section G10.	t	0.07		
		Erection of members for Temporary Bridge Deck Platform				
	M520.1	Erection of 203 UC 71 rolled steel sections with 20 mm thick base plates at bearing ends, in accordance with Drawing No. 126001-103.	t	2.2		
	M520.2	Erection of 12 mm thick steel plate forming temporary bridge deck, complete with 12 mm thick edge kick plate, in accordance with Drawing No. 126001-103.	t	2.42		
		Erection of other members				
	M733	Site bolts (Grade 8.8), black bolts comprising M20 × 300 mm galvanised threaded bars in drilled holes, minimum embedment 150 mm in concrete, chemically anchored using Hilti Hit-HY 200 or similar approved injection mortar.	nr	16		
		CLASS R - ROADS AND PAVINGS				
		Sub-base				
	R123	Sub-base, Granular material Type B to Clause 804, 100mm thick, laid and compacted in accordance with TII Specification Series 800.	m ²	515		
	R124	Sub-base, Granular material Type B to Clause 804, 150mm thick, laid and compacted in accordance with TII Specification Series 800.	m ²	2720		
TOTAL PAGE 3 CARRIED FORWARD TO BILL PART 3 SUMMARY						

Ballyseedy Wood Amenity Trail Phase III
Bill Part 3: Temporary Access Roads and Working Areas

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
	R137	300mm thick crushed angular stone stabilisation layer (100mm down, even graded), laid above geocomposite and compacted in accordance with TII Specification for Road Works Series 600.	m ²	540		
		Pavement				
	R431	Pavement, surface course, AC 10 surf 70/100 Des, 40mm thick in accommodation works for landowner, hardshoulder and hardstrip.	m ²	350		
		Regulating				
	R482	surface regulating course, AC 20 Dense bin 70/100 des with 20mm aggregate, various depth, minimum 40mm thick in accommodation works for landowner, hardshoulder and hardstrip.	t	5		
		Bond coat				
	Rxxx	Bond coat, Cationic Bituminous Emulsion Grade C65BP3, applied at a minimum rate of 0.30 kg/m ² between asphalt layers and at interfaces with existing pavement, complete in accordance with TII Specification for Road Works Series 900.	m ²	350		
	Rxxx	Saw cut existing bituminous pavement and trim edges to form tie-in with new pavement construction, complete in accordance with TII Standard Detail CC-SCD-00704.	m	25		
		CLASS X - MISCELLANEOUS WORKS				
		Fences				
	X123	Temporary stock-proof fencing 1.2 m high comprising timber posts, galvanised stock netting, straining wires and fixings, including excavation, erection, maintenance and removal on completion. As per Drawing no. 126001-102.	m	617		
TOTAL PAGE 4 CARRIED FORWARD TO BILL PART 3 SUMMARY						

Ballyseedy Wood Amenity Trail Phase III
Bill Part 3: Temporary Access Roads and Working Areas

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
		BILL PART 3 GENERAL SUMMARY PAGE 1 PAGE 2 PAGE 3 PAGE 4				
TOTAL CARRIED FORWARD TO GENERAL SUMMARY						

BILL PART 04: FOOTBRIDGE STRUCTURE NO.3
BALLYSEEDY WOOD AMENITY TRAIL PHASE III

Ballyseedy Wood Amenity Trail Phase III
Bill Part 4: Footbridge Structure No. 3

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
BILL PART NUMBER 04		PART 4 - FOOTBRIDGE STRUCTURE NO. 3				
		CLASS E - EARTHWORKS				
	E324	Excavation acceptable material excluding topsoil, rock or artificial hard material for bridge abutment foundations, depth 1 - 2m.	m³	50		
		Excavation Ancillaries				
	E542	Deposition of acceptable material excluding Class 5A (subsoil) in stockpile on site for later re-use.	m³	50		
		Filling				
	E615	Fill to structures with imported Class 6F2 granualr fill material to TII specification CC-SPW-00600, deposited, spread and compacted in layers not exceeding 250mm thick.	m³	50		
		CLASS F - IN SITU CONCRETE				
		Provision of Concrete				
	F172	In Situ Concrete, Class C30/37: 20mm aggregate.	m³	6		
	F192	In Situ Concrete, Class C35/45: 20mm aggregate.	m³	15		
	F320	In Situ Concrete blinding, Class C12/15, 75mm thick.	m³	2		
		Placing of Concrete				
	F611	In Situ Concrete lean mix blinding under abutment and wing walls foundation, Class C12/15 concrete, 75mm thick.	m³	2		
	F623	In Situ Concrete Class C30/37 concrete, in abutment and wing walls foundation, thickness 300 - 500mm.	m³	6		
	F624	In Situ Concrete Class C35/45 concrete, in abutment and wing walls, thickness exceeding 500mm.	m³	15		
		CLASS G - CONCRETE ANCILLARIES				
		Formwork				
	G242	Formwork (plain finish) to vertical sides of reinforced concrete abutment and wing walls, width 0.1- 0.2m.	m²	0.4		
	G244	Formwork (plain finish) to vertical sides of reinforced concrete abutment and wing walls, width 0.4 - 1.22m.	m²	15		
	G245	Formwork (plain finish) to vertical sides of reinforced concrete abutment and wing walls, width exceeding 1.22m.	m²	50		
	G345	Formwork (plain finish) to vertical sides of reinforced concrete abutment and wing walls foundations, width exceeding 1.22m.	m²	10		
		Reinforcement				
	G523	A393 Steel Rebar Mesh; nominal size 10mm.	t	0.1		
	G524	Ribbed steel bars to BS 4449, dia 12mm.	t	0.1		
	G525	Ribbed steel bars to BS 4449, dia 16mm.	t	2.6		
TOTAL PAGE 1 CARRIED FORWARD TO BILL PART 4 SUMMARY						

**Ballyseedy Wood Amenity Trail Phase III
Bill Part 4: Footbridge Structure No. 3**

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
		CLASS M - STRUCTURAL METALWORK				
		<i>Fabrication of main members for Bridges</i>				
	M111.1	Primary beams comprising 406 × 178 × 67 UB rolled sections, straight on plan, including kick plates, stiffeners, cranked ends at bearings and haunched splice connections, complete in accordance with Drawing Nos. 126001-413, 414 and 415.	t	2.62		
	M111.2	180 × 75 × 20 PFC rolled sections, straight on plan, spanning between primary beams at abutments, complete in accordance with Drawing Nos. 126001-413, 414 and 415.	t	0.25		
	M111.3	180 × 102 × 19 UB rolled sections, straight on plan, spanning between primary beams, complete in accordance with Drawing Nos. 126001-413, 414 and 415.	t	0.37		
	M111.4	100 × 50 × 10 PFC rolled sections, straight on plan, forming deck supports, complete in accordance with Drawing Nos. 126001-413, 414 and 415.	t	0.51		
	M131	76.1 × 4 CHS diagonal bracing, complete in accordance with Drawing Nos. 126001-413, 414 and 415.	t	0.15		
		<i>Erection of members for Bridges</i>				
	M520	Erection of structural steel bridge superstructure including craneage, lifting, transport on site, positioning and alignment to abutment walls, levelling, installation and anchoring of bearing plates to in-situ reinforced concrete bearing shelves, bolting, final adjustment, and making good of protective coatings damaged during erection.	t	3.9		
		<i>Erection of other members</i>				
	M733	Site bolts (Grade 8.8), black bolts comprising M30 × 400 mm galvanised threaded bars in drilled holes, minimum embedment 300 mm in concrete, chemically anchored using Hilti Hit-HY 200 or similar approved injection mortar	nr	8		
		<i>Off site surface treatment</i>				
	M810	Blast cleaning of new steelwork to Sa 2.5 in accordance with the Specification, complete for all steelwork shown on Drawing Nos. 126001-413, 414 and 415.	m ²	120		
	M820	Chemical cleaning (pickling) of new steelwork prior to galvanising in accordance with the Specification, complete for all steelwork shown on Drawing Nos. 126001-413, 414 and 415.	m ²	120		
	M860	Hot-dip galvanising of steelwork to IS EN ISO 1461, complete for all steelwork shown on Drawing Nos. 126001-413, 414 and 415. Refer to Specification Clause G10/630.	m ²	120		
TOTAL PAGE 2 CARRIED FORWARD TO BILL PART 4 SUMMARY						

Ballyseedy Wood Amenity Trail Phase III
Bill Part 4: Footbridge Structure No. 3

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
		CLASS N - MISCELLANEOUS METALWORK				
	N140	Supply, fabricate, weld, drill and galvanise 1.4m high structural steel guardrails including posts, rails, connections, bolts, fixings and all associated components complete in accordance with Drawing No. 126001-414.	m	43		
		CLASS O - TIMBER				
	O320	Supply and install 45mm thick Hi-Grip Excel pressure treated redwood timber decking including epoxy bauxite anti-slip inserts, cutting, fitting, fixing, drilling and all associated works complete in accordance with Drawing No. 126001-414.	m ²	41		
		CLASS W - WATERPROOFING				
	W140	Waterproofing with low solvent, carbo- modified epoxy resin coating in two coats (MC DUR 1680 or equivalent) to requirements of specification to all buried faces of reinforced concrete abutment walls and wing walls, including surfaces inclined at angles exceeding 60 degrees to the horizontal.	m ²	45		
TOTAL PAGE 3 CARRIED FORWARD TO BILL PART 4 SUMMARY						

Ballyseedy Wood Amenity Trail Phase III
Bill Part 4: Footbridge Structure No. 3

Bill Part/ Constr Heading/ Series	Item No.	Item Description	Unit	Quantity	Rate	Amount €
		BILL PART 4 GENERAL SUMMARY				
		PAGE 1				
		PAGE 2				
		PAGE 3				
TOTAL CARRIED FORWARD TO GENERAL SUMMARY						

GENERAL SUMMARY

BALLYSEEDY WOOD AMENITY TRAIL PHASE III

**Ballyseedy Wood Amenity Trail Phase III
General Summary**

BILL PART 01: GENERAL ITEMS	€ -
BILL PART 02: BALLYSEEDY AMENITY TRAIL WORKS	€ -
BILL PART 03: TEMPORARY ACCESS ROADS AND WORKING AREAS	€ -
BILL PART 04: FOOTBRIDGE STRUCTURE NO. 3	€ -
General Summary	€ -
Tender Total (Exclusive of VAT)	€ -