



Galway Bridge Rehabilitations Salmon Weir Bridge



Volume C – Pricing Document

Tender Amendment No. 1 | July 2026



Galway Bridge Rehabilitations Salmon Weir Bridge

Volume C – Pricing Document

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Galway Bridge Rehabilitations Salmon Weir Bridge

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PREAMBLES TO BILL OF QUANTITIES

General Directions

- 1 The Requirements for Measuring and Pricing (RMP) in TII Publications (Standards) is published as a collective group of documents under the Construction and Commissioning activity within the TII Publications system. The Bill of Quantities has been prepared in accordance with the RMP.
- 2 In the Bill of Quantities the sub-headings and item descriptions identify the work covered by the respective items, read in conjunction with the matters listed against the relevant marginal headings "Item Coverage" in the different parts of the RMP, these Preambles and the amendments to the RMP immediately following these Preambles. The nature and extent of the work is to be ascertained by reference to the Works Requirements and Contract Conditions. The rates and prices entered in the Bill of Quantities shall be deemed to be the full inclusive value of the work covered by the several items including the following, unless expressly stated otherwise:
 - (i) Labour and costs in connection therewith.
 - (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 and costs in connection therewith.
 - (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.
 - (viii) Establishment charges, overheads and profit.
 - (ix) Waste.
 - (x) Attendance and transport for sampling and testing carried out by the Employer's Representative, tests carried out by the Contractor in accordance with the particular requirements of Appendix 1/5, supplying results of tests carried out by the Contractor and providing test certificates.
 - (xi) Supply and delivery of samples to the Employers Representative in accordance with the particular requirements of Appendix 1/6.
 - (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.

Measurement

- 3
 - (i) The measurement of work shall be computed net from the dimensions stated in the Contract unless otherwise stated in the RMP.
 - (ii) Where the tender documents provide for the Contractor to select the type of buried structure (where the structure is not within Designated Outlines) to be constructed then the measurement of all work in each area so affected shall be based upon the thinnest pavement construction and surfacing over structures permitted by the Contract in that area for the particular type of buried structure the Contractor has elected to construct.

Pricing of Items	4	(i) Each individual item shall have a rate or price entered against it. Rates and Prices shall be expressed to two decimal places. Reserved Sums and Contract Sums for Specialists will be provided by the Contracting Authority. Prices entered for attendances and management of specialist works will remain as tendered, even after the Reserved Sums are replaced with actual sums following tendering of the specialist works. These prices may not be less than zero.
Alternative Specified Materials, Designs and Options Within Types of Pavement	5	<i>Not Used</i>
Privately and Publicly Owned Services or Supplies	6	The information in the Contract as to the whereabouts of existing services and mains is believed to be correct but the Contractor shall not be relieved thereby of his obligations under the Contract. The Contractor shall include in his rates and prices for locating and taking measures for the support and full protection of pipes, cables and other apparatus during the progress of the Works, obtaining the written consent of the appropriate authority to interrupt the service or supply and for keeping the Employer's Representative informed of all arrangements he makes with the owners of privately owned services or supplies, Statutory Undertakers and Public Authorities as appropriate.
Labours	7	<i>Not Used</i>
Roadworks Overall Requirements	8	The Contractor shall allow in his rates and prices for complying with requirements in respect of pavement construction, horizontal alignments, surface levels and surface regularity of pavement courses, cold weather working, use of surfaces by traffic and construction plant, and general requirements for sub-bases and bases.
Work within and below any water condition	9	The Contractor shall allow in his prices for any items of structures designed by the Contractor provided under CC-RMP-02500, for taking measures required to execute work in any condition where there is a presence of any type of water.
Dealing with Flow	10	The Contractor shall allow in his rates and prices for taking measures to deal with the existing flow of water, sewage and the like.
	11	<i>Not Used</i>
Site Limitations and Constraints	12	The Contractor shall allow in his rates and prices for complying with any limitations and constraints on the use of the Site.
Hard Material	13	For the purposes of the Contract the following are designated as Hard Material in accordance with Section 2 Definitions, paragraph 1 (h)(i) and (ii): (a) strata in the site investigation boreholes classified as competent rock as per definition provided in Specification Appendix 6/3; (b) those deposits designated by limits shown on the Drawings; (c) existing pavements, footways, paved areas (but excluding unbound materials) and foundations in masses in excess of 0.20 cubic metres.
Equivalent Products and Materials	14	(i) Where the Contractor offers an equivalent product or material in place of the one identified or specified, which is accepted for incorporation into the Works by the Employer's Representative, then the rates and prices in the Bill of Quantities shall be deemed to include for all the obligations and costs associated with the incorporation of the equivalent into the Works, including design, provision of data and drawings, certificates, awaiting approvals, resubmissions and modifications and amendments to the Works.

- (ii) Unless specifically stated to the contrary in the Contract the measurement of the Works affected by the incorporation of the equivalent products and materials shall be based on the Tender documents and not on the Works as amended and completed to incorporate the equivalent products and materials.

**Permanent Works
Designed by the
Contractor**

- 15** Where the Contract requires part(s) of the Works to be designed by the Contractor, the rates and prices in the Bill of Quantities shall include for all the obligations and costs associated with the incorporation of the Contractor's design into the Works, including design, provision of data and drawings, certificates, awaiting approvals, resubmissions and modifications and amendments to the Works.

**Structures Designed by
the Contractor**

- 16** Earthworks within the Designated Outlines shall not be included by the Employer in the earthworks schedules.

**Alterations for Road
Authorities**

- 17** *Not Used*

**Amendments to the
Method of Measurement**

- 18** For the purposes of the Contract the RMP is amended in accordance with the pages immediately following.

AMENDMENTS TO THE REQUIREMENTS FOR MEASURING AND PRICING (RMP)

Chapter IV Units and Method of Measurement is amended as follows:

SERIES 100: PRELIMINARIES

Traffic Safety and Management

- Para 30
- (s) Delete full stop and insert semi colon
 - Add
 - (t) the provision of a manned safety boat for duration of works in or over the watercourse;

Add the following additional paragraphs 82 to 103 inclusive:

Acceptance of Appointment as PSCS

- Units **82** The unit of measurement shall be:
- (i) acceptance of appointment as PSCSitem.
- Itemisation **83** Separate items shall be provided for acceptance of appointment as PSCS in accordance with Chapter II paragraphs 3 and 4 and the following:

Group	Feature
I	1 Acceptance of appointment PSCS.

Acceptance of Appointment as Project Supervisor for the Construction Stage

- 84** The items for acceptance of appointment PSDP and PSCS shall in accordance with the Preambles to Bill of Quantities General Directions include for:
- Item Coverage
- (a) complying with the Safety, Health and Welfare at Work (Construction) Regulations 2013 and any amendment thereof;
 - (b) acting as PSDP and PSCS and carrying out the duties in accordance with the Regulations;
 - (c) appointment of the PSDP and PSCS of a suitably qualified and competent person or persons to act as Health and Safety Co-ordinator(s) in accordance with the Regulations;
 - (d) delivering the completed safety file before the issue of the Maintenance Certificate.

Environmental Barriers and Protection of Water Quality

- Units **85** The unit of measurement shall be:
- (i) taking measures for or construction, maintenance, removal of environmental barriers and protection of water quality.....item.
- Measurement **86** The measurement of taking measures for or construction, maintenance, removal of environmental barriers and protection of river water quality and watercourses shall be in respect of the complete taking measures for or construction, maintenance or removal and shall be measured once only.
- Itemisation **87** Separate items shall be provided for environmental barriers and protection of water quality in watercourses in accordance with Chapter II paragraphs 3 and 4 and the following:

Group	Feature
	1 Taking measures for or construction of environmental barriers

**Taking Measures
for or Construction,
Maintenance and
Removal of
Environmental Barriers
and Protection of
Water Quality**

Group	Feature
	and protection of water quality.
2	Maintenance of measures for or construction of environmental barriers and protection of water quality
3	Removal of measures for or construction of environmental barriers and protection of water quality

88 The items for taking measures for or construction, maintenance and removal of environmental barriers and protection of water quality shall in accordance with the Preambles to the Bill of Quantities General Directions include for:

- Item Coverage
- (a) preparing, amending and submitting to the Employer's Representative's, OPW and Fisheries Board proposals;
 - (b) installation of environmental barriers and measures for protection of water quality to satisfaction of the Employer's Representative and to manufacturer's requirements;
 - (c) everything necessary for the taking measures for or construction maintenance, removal of environmental barriers and protection of water quality as shown in the relevant item coverages in the Chapter and Series of the Method of Measurement
 - (d) continuous adequate provision of environmental barriers in the rivers or watercourses
 - (e) replacement and disposal of geomembranes, if used, in accordance with the manufacturer's requirements

Independent Check Certificates for Temporary Works

- Units **89** The unit of measurement shall be:
- (i) Provision of Independent Check Certificates for Temporary Works.....item.
- Measurement **90** The measurement of Independent Check Certificates for Temporary Work shall be the Independent Check Certificate for Temporary Work as required and shall be measured once only.
- Itemisation **91** Separate items shall be provided for Independent Check Certificates for Temporary Works in accordance with Chapter II paragraphs 3 and 4 and the following:

Group	Feature
I	1 Independent Check Certificates for Temporary Works

**Independent Check
Certificates for
Temporary Works**

92 The items for the provision of Independent Check Certificates for Temporary Work shall in accordance with the Preambles to Bill of Quantities General Directions include for:

- Item Coverage
- (a) Provision of Independent Check Certificates for Temporary Works;
 - (b) Everything necessary for the Independent Check Certificates for Temporary Works as shown in the relevant item coverages in the Chapters and Series of the Method of Measurement.

As Built Records Drawings

- Units **93** The unit of measurement shall be:
- (i) As built records drawings.....item.

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**Taking Measures
for or Construction,
Maintenance and
Removal of
Temporary
Construction
Platforms**

- 103** The items for taking measures for or construction, maintenance and temporary construction platforms shall in accordance with the Preambles to the Bill of Quantities General Directions include for:
- Item Coverage
- (a) preparing, amending and submitting to the Employer's Representative proposals programme;
 - (b) design;
 - (c) provision of design calculations and details;
 - (d) independent temporary works check certificates;
 - (e) provision of data, drawings and details of fabrication;
 - (f) resubmissions and modifications;
 - (g) amendments to the works;
 - (h) preparation of site;
 - (i) fabrication (as Series 1800);
 - (j) erection (as Series 1800);
 - (k) continuous adequate provision of construction access platforms;
 - (l) dismantling and removal upon completion of the works.

SERIES 1700: STRUCTURAL CONCRETE

Insert the following paragraphs 40-43

Repair of Concrete Bridge

Units	40	The units of measurement shall be: (i) Repair works to concrete bridge cubic metre.									
Measurement	41	The measurement of repair of concrete bridge deck shall be the flat undeveloped area of the original concrete footprint.									
Itemisation	42	Separate items shall be provided for repair of concrete bridge deck in accordance with Chapter II, paragraph 3 and 4 and the following:									
<table><tr><th colspan="2">Group</th><th>Feature</th></tr><tr><td>I</td><td>1</td><td>Repair</td></tr><tr><td>II</td><td>1</td><td>Different areas of bridge</td></tr></table>			Group		Feature	I	1	Repair	II	1	Different areas of bridge
Group		Feature									
I	1	Repair									
II	1	Different areas of bridge									

Repair of Concrete Bridge

43

- Item Coverage
- The items for repair of concrete substrate shall in accordance with the Preambles to the Bill of Quantities General Direction include for:
- (a) Mobilisation and site setting up of any specialist equipment;
 - (b) Sourcing and provision of water for specialist equipment;
 - (c) Preliminary site trials;
 - (d) Removal of defective material;
 - (e) Breaking back any sound concrete as required in order to provide the required bond to reinforcing and structural steel;
 - (f) Priming and bonding agents;
 - (g) Cementitious repairs (as Series 1700 paragraph 4);
 - (h) Control of dust, noise and debris;
 - (i) Protection of the adjacent road pavement;
 - (j) Protection of the existing reinforcement;
 - (k) Access requirements;

- (l) Formwork (as Series 1700 paragraph 14);
- (m) Complying fully with the manufacturer's recommendations;
- (n) Cleaning, preparation and protection of reinforcing and structural steel with the required protection system
- (o) Ensuring compatibility between existing materials and repair materials;
- (p) Ensuring compatibility between proposed waterproofing material and repair materials if applicable;
- (q) Protection of adjacent road users;
- (r) Independent temporary works check certificates.
- (s) Compliance with Environmental protection measures.
- (t) Facilities and assistance for Employers Representatives inspection;
- (u) Saw cutting and trimming;
- (v) Protection of the bridge beams;
- (w) Protection of the river water quality;
- (x) Collection and disposal of demolition rubble (as Series 600 paragraph 39);

SERIES 2400: BRICKWORK, BLOCKWORK AND STONework

Insert the following paragraphs 25-28

Cleaning, De-vegetation, Repointing and Masonry Repair of Existing Stonework

Units	25	The units of measurement shall be:
	(i)	Cleaning existing stonework.....square metre
	(i)	De-vegetation of existing stonework.....square metre
	(ii)	Repointing existing stonework.....square metre
	(iii)	Masonry repair of existing stonework..... square metre
	(iv)	Removal of graffiti..... square metre
Measurement	26	Measurement of cleaning, de-vegetation, repointing, masonry repair, and graffiti removal of existing stonework shall be the area of stonework to be cleaned, de-vegetated, repaired or repointed as required by the Contract.
Itemisation	27	Separate items shall be provided for cleaning, de-vegetation, repointing and masonry repair of existing stonework in accordance with Chapter II paragraphs 3 and 4 and the following:

Group	Feature
I	1 Cleaning existing stonework
	2 De-vegetation of existing stonework
	3 Repointing existing stonework
	4 Masonry repair of existing stonework
	5 Graffiti cleaning of existing stonework

Clearing, De-vegetation And repointing of Existing stonework

	28	The items for cleaning, de-vegetation, repointing and masonry repair of existing stonework shall in accordance with the preambles to Bill of Quantities General Directions include for:
Item Coverage	(a)	Blockwork and stonework (as Series 2400);
	(b)	Compliance with Appendix 24 of the Specification;
	(c)	Carrying out all masonry repairs in accordance with the drawings, Appendices 24/3 and 31/1;
	(d)	Liaison with Conservation Architect to agree extents of stonework repairs and appropriate repair method for each defect;
	(e)	Dismantling of stonework parapet balustrade to facilitate repair of balusters;
	(f)	Removal of existing metal dowels/fixings in stonework;
	(g)	Code 6 Lead courses where specified;
	(h)	Traffic safety and management;
	(i)	Temporary construction platforms;
	(j)	General site clearance;

- (k) Initiation and/or continuing consultation with OPW, IFI, Galway City Council proposing or developing and submitting to the Employers Representative, OPW, IFI, Galway City Council for approval;
- (l) Protection against evaporation;
- (m) Everything necessary for the cleaning, de-vegetation, repointing and masonry repair of existing stonework;
- (n) Removal of graffiti.

SERIES 5500: Structural Concrete Repairs

Structural Concrete Repairs

Units	1	The unit of measurement shall be:
	(i)	Structural Concrete Repairs..... cubic metre.
Measurement	2	The measurement of Structural Concrete Repairs shall be as per CC-RMP-01700 paragraph 2.
Itemisation	3	Separate items shall be provided for structural concrete repairs in accordance with Section 3 of CC-RMP-00010 paragraph 3 and 4, and the following:

Group	Feature
I	Structural Concrete Repairs
II	Different components
III	1 Reinforcement present
	2 No reinforcement present
IV	Different repair methods
V	Different performance classes

Structural Concrete Repairs

	4	The items for structural concrete repairs shall in accordance with the Preambles to Bill of Quantities General Directions include for:
Item Coverage	(a)	As per CC-RMP-01700 paragraph 4 (a) – (p);
	(b)	Exposure of concrete substrate;
	(c)	Surface preparation and cleaning;
	(d)	Inspection and testing of concrete substrate;
	(e)	Confirmation by Employer's Representative if any areas require concrete repair measures;
	(f)	Carry out concrete repair including, where necessary, removal of damaged concrete, preparation of exposed reinforcement, crack injection, concrete reinstatement, provision of adequate surface finish;
	(g)	Carry out testing as required.

LAYOUT OF BILL OF QUANTITIES

Structure S07 – Salmon Weir Bridge

BILL PART 1: Preliminaries

Construction Heading 1: CC-RMP-00100

Preliminaries Preliminaries

BILL PART 2: Roadworks

Construction Heading 2:

CC-RMP-00200
CC-RMP-00600
CC-RMP-00700
CC-RMP-01100
CC-RMP-01200
CC-RMP-01300
CC-RMP-01400

Roadworks General

Site Clearance
Earthworks
Pavements
Kerbs, Footways and Paved Areas
Traffic Signs and Road Markings
Road Lighting Columns and Brackets
Electrical Work for Road Lighting and Traffic Signs

BILL PART 3: Structures

Construction Heading 3:

CC-RMP-01800
CC-RMP-01900
CC-RMP-02400
CC-RMP-05500

Structure

Structural Steel
Protection of Steelwork Against Corrosion
Brickwork, Blockwork and Stonework
Concrete Repairs

General Summary

BILL OF QUANTITIES

Bill of Quantities
Bill Part 1 - Preliminaries
Construction Heading 1 - Preliminaries
CC-RMP-00100 - Preliminaries

ItemID	Item Description	Unit	Quantity	Rate	Amount €
	Temporary Accommodation				
1	Erection of Offices and Messes for the Contractor	Item	-	-	____ / ____
2	Servicing of Offices and Messes for the Contractor	Item	-	-	____ / ____
3	Dismantling of Offices and Messes for the Contractor	Item	-	-	____ / ____
4	Erection of Stores and Workshops for the Contractor	Item	-	-	____ / ____
5	Servicing of Stores and Workshops for the Contractor	Item	-	-	____ / ____
6	Dismantling of Stores and Workshops for the Contractor	Item	-	-	____ / ____
	Traffic Safety and Management				
7	Traffic safety and management	Item	-	-	____ / ____
	Progress Photographs				
8	Set of progress photographs in colour	nr	20	____ / ____	____ / ____
	Road Sweeping and Cleaning				
9	Road sweeping and cleaning	Item	-	-	____ / ____
	Emergency Services				
10	Emergency services	Item	-	-	____ / ____
	Temporary Construction Platforms				
11	Taking measures for the construction of temporary platforms.	Item	-	-	____ / ____
12	Maintenance of measures for construction of temporary construction platforms.	Item	-	-	____ / ____
13	Removal of measures for construction of temporary construction platforms.	Item	-	-	____ / ____
	Acceptance of Appointment as PSCS				
14	Acceptance of Appointment as PSCS	Item	-	-	____ / ____
	Facilities for Local Authority, Public or Private Utility Undertakers and Other Contractors				
15	Facilities for Local Authority	Item	-	-	____ / ____
16	Facilities for ESB	Item	-	-	____ / ____
17	Facilities for Irish Water	Item	-	-	____ / ____
	Total Page : 1				____ / ____

Bill Part 1 - Preliminaries
Construction Heading 1 - Preliminaries
CC-RMP-00100 - Preliminaries

ItemID	Item Description	Unit	Quantity	Rate	Amount €
18	Property Condition Surveys Property Condition Surveys of Salmon Weir Bridge	Item	-	-	____ / ____
19	Independent Check Certificate for Temporary Works Independent Check Certificate for Temporary Works	Item	-	-	____ / ____
20	Variable Message Signage for Traffic Control Variable message signage for 16 weeks	nr	5	____ / ____	____ / ____
21	Safety File Safety File	Item	-	-	____ / ____
22	As-built Records As-built Records	Item	-	-	____ / ____
23	Environmental Barriers and Protection of Water Quality Taking measures for the construction of environmental barriers and the protection of water quality	Item	-	-	____ / ____
24	Maintenance of measures for the construction of environmental barriers and the protection of water quality	Item	-	-	____ / ____
25	Removal of measures for the construction of environmental barriers and the protection of water quality	Item	-	-	____ / ____
26	Specialist Works Electric Skyline reserved sum. Erect road lighting columns and brackets. Lighting columns as per the novated contract drawings.	Sum	-	-	€ 26,250.00
27	General attendances by Main Contractor for Novated Contractor	item	-	-	____ / ____
28	Management of Novated Contractor	item	-	-	____ / ____
29	Main Contractors profit on works associated with administering the Novated Contractor (applied to items 27 and 28 only)	%	-	____ %	____ / ____
Total Page : 2					____ / ____

Bill Part 1 - Preliminaries
Construction Heading 1 - Preliminaries
CC-RMP-00100 - Preliminaries

Summary

					Amount €
	Total Page : 1				____ / ____
	Total Page : 2				____ / ____
	TOTAL CARRIED FORWARD TO Construction Heading 1 SUMMARY				____ / ____

Bill Part 1 - Preliminaries
Construction Heading 1 - Preliminaries

Summary

					Amount €
	Total : Preliminaries				____ / ____
	TOTAL CARRIED FORWARD TO Bill Part 1 SUMMARY				____ / ____

Bill Part 1 - Preliminaries

Summary

					Amount €
	Total : Preliminaries				____ / ____
	TOTAL CARRIED FORWARD TO GENERAL SUMMARY				____ / ____

Bill Part 2 - Roadworks
Construction Heading 2 - Roadworks General
CC-RMP-00200 - Site Clearance

ItemID	Item Description	Unit	Quantity	Rate	Amount €
1	General Site Clearance General Site Clearance	ha	0.36	_____ / _____	_____ / _____
	Take Up or Down and Set Aside for Reuse or Remove to Store or Tip off Site				
2	Take up and remove to tip off site existing concrete baluster	No.	1	_____ / _____	_____ / _____
3	Take up and remove to tip off site existing damaged cast iron baluster	No.	1	_____ / _____	_____ / _____
Total Page : 6					_____ / _____

Bill Part 2 - Roadworks
Construction Heading 2 - Roadworks General
CC-RMP-00200 - Site Clearance

Summary

					Amount €
	Total Page : 6				____ / ____
	TOTAL CARRIED FORWARD TO Construction Heading 2 SUMMARY				____ / ____

Bill Part 2 - Roadworks
Construction Heading 2 - Roadworks General
CC-RMP-00600 - Earthworks

ItemID	Item Description	Unit	Quantity	Rate	Amount €
1	Breaking up and Perforation of Redundant Pavements Breaking up of redundant pavements, Footways, Depth exceeding 100 mm but not exceeding 200 mm.	m2	174	_____ / _____	_____ / _____
2	Disposal of Material Disposal of redundant pavements, Unacceptable material Class U1.	m3	35	_____ / _____	_____ / _____
Total Page : 8					_____ / _____

Bill Part 2 - Roadworks
Construction Heading 2 - Roadworks General
CC-RMP-00600 - Earthworks

Summary

					Amount €
	Total Page : 8				____ / ____
	TOTAL CARRIED FORWARD TO Construction Heading 2 SUMMARY				____ / ____

Bill Part 2 - Roadworks
Construction Heading 2 - Roadworks General
CC-RMP-00700 - Pavements

ItemID	Item Description	Unit	Quantity	Rate	Amount €
	Pavement				
1	Pavement, Surface course, SMA 14 surf PMB 65/105-60 des, 40mm thick, In carriageway, hardshoulder and hardstrip	m2	554	_____ / _____	_____ / _____
2	Pavement, Binder course, AC 20 dense bin 70/100 des, 60mm thick, In carriageway, hardshoulder and hardstrip	m2	542	_____ / _____	_____ / _____
	Cold milling				
3	Milling, Pavement, Surface course, SMA 14 surf PMB 65/105-60 des, 40mm thick, In carriageway, hardshoulder and hardstrip	m2	554	_____ / _____	_____ / _____
4	Milling, Pavement, Binder course, AC 20 dense bin 70/100 des, 60mm thick, In carriageway, hardshoulder and hardstrip	m2	542	_____ / _____	_____ / _____
	Regulating				
5	Regulating, Surface course, SMA 14 surf PMB 65/105-60 des	m3	2	_____ / _____	_____ / _____
6	Regulating, Binder course, AC 20 dense bin 70/100 des	m3	2	_____ / _____	_____ / _____
	Bond Coat				
7	Bitumen emulsion Bond Coat to CC-SPW-00900, Clause 10.1.4 including bituminous sealer between mat joints in accordance with Appendix 7/4 of this specification	m2	554	_____ / _____	_____ / _____
Total Page : 10					_____ / _____

Bill Part 2 - Roadworks
Construction Heading 2 - Roadworks General
CC-RMP-00700 - Pavements

Summary

					Amount €
	Total Page : 10				____ / ____
	TOTAL CARRIED FORWARD TO Construction Heading 2 SUMMARY				____ / ____

Bill Part 2 - Roadworks
Construction Heading 2 - Roadworks General
CC-RMP-01100 - Kerbs, Footways and Paved Areas

ItemID	Item Description	Unit	Quantity	Rate	Amount €
1	Kerbs, Channels, Edgings, Combined Drainage and Kerb Blocks and Linear Drainage Channel Systems Type D Precast Kerbs (75mm high) to CC-SCD-01101, Laid Straight of curved exceeding 12 meters radius.	m	161	_____ / _____	_____ / _____
2	Footways and Paved Areas Concrete footpath in accordance with CC-SCD-01105.	m2	174	_____ / _____	_____ / _____
Total Page : 12					_____ / _____

Bill Part 2 - Roadworks
Construction Heading 2 - Roadworks General
CC-RMP-01100 - Kerbs, Footways and Paved Areas

Summary

					Amount €
	Total Page : 12				____ / ____
	TOTAL CARRIED FORWARD TO Construction Heading 2 SUMMARY				____ / ____

Bill Part 2 - Roadworks
Construction Heading 2 - Roadworks General
CC-RMP-01200 - Traffic Signs & Road Markings

ItemID	Item Description	Unit	Quantity	Rate	Amount €
	Road Markings				
1	Road Markings - Arrows RRM 039 thermoplastic screed with applied solid glass beads , 3.6m high.	No.	1	_____ / _____	_____ / _____
2	Road Markings - intermittant white line RRM 002B thermoplastic screed with applied solid glass beads 100mm wide	m	72	_____ / _____	_____ / _____
3	Road Markings - Continuous white line RRM 001 thermoplastic screed with applied solid glass beads 100mm wide	m	20	_____ / _____	_____ / _____
4	Road Markings - Continuous white line RRM 017 thermoplastic screed with applied solid glass beads 200mm wide	m	3	_____ / _____	_____ / _____
5	Road Markings - Continuous double yellow lines RRM 008 thermoplastic screed with applied solid glass beads 100mm wide	m	186	_____ / _____	_____ / _____
6	Road Markings - Yellow box marking RRM 020 thermoplastic screed with applied solid glass beads.	m2	32	_____ / _____	_____ / _____
Total Page : 14					_____ / _____

Bill Part 2 - Roadworks
Construction Heading 2 - Roadworks General
CC-RMP-01200 - Traffic Signs & Road Markings

Summary

					Amount €
	Total Page : 14				____ / ____
	TOTAL CARRIED FORWARD TO Construction Heading 2 SUMMARY				____ / ____

Bill Part 2 - Roadworks
Construction Heading 2 - Roadworks General
CC-RMP-01300 - Road Lighting Columns and Brackets

ItemID	Item Description	Unit	Quantity	Rate	Amount €
1	Road Lighting Columns, Brackets and Wall Mountings Provide temporary lighting installation to operate from dusk to dawn while permanent lighting is inoperative Total Page : 16	item	-	____ / ____	____ / ____

Bill Part 2 - Roadworks
Construction Heading 2 - Roadworks General
CC-RMP-01300 - Road Lighting Columns and Brackets

Summary

					Amount €
	Total Page : 16				_____ / _____
	TOTAL CARRIED FORWARD TO Construction Heading 2 SUMMARY				_____ / _____

Bill Part 2 - Roadworks
Construction Heading 2 - Roadworks General
CC-RMP-01400 - Electrical Work for Road Lighting and Traffic Signs

ItemID	Item Description	Unit	Quantity	Rate	Amount €
1	Electrical Work for Road Lighting and Traffic Signs Striplighting, including power supplies, fixings, accessories and cabling	m	160	_____ / _____	_____ / _____
2	O & M manuals and as-constructed drawings	item	-	_____ / _____	_____ / _____
3	Electrical Testing	item	-	_____ / _____	_____ / _____
4	Photometric Testing	item	-	_____ / _____	_____ / _____
Total Page : 18					_____ / _____

Bill Part 2 - Roadworks
Construction Heading 2 - Roadworks General
CC-RMP-01400 - Electrical Work for Road Lighting and Traffic Signs

Summary

					Amount €
	Total Page : 18				_____ / _____
	TOTAL CARRIED FORWARD TO Construction Heading 2 SUMMARY				_____ / _____

Bill Part 2 - Roadworks
Construction Heading 2 - Roadworks General

Summary

					Amount €
	Total : Site Clearance				____ / ____
	Total : Earthworks				____ / ____
	Total : Pavements				____ / ____
	Total : Kerbs, Footways, and Paved Areas				____ / ____
	Total : Traffic Signs and Road Markings				____ / ____
	Total : Road Lighting Columns and Brackets				____ / ____
	Total : Electrical Work for Road Lighting and Traffic Signs				____ / ____
	TOTAL CARRIED FORWARD TO Bill Part 1 SUMMARY				____ / ____

Bill Part 2 - Roadworks

Summary

					Amount €
	Total : Roadworks General				____ / ____
	TOTAL CARRIED FORWARD TO GENERAL SUMMARY				____ / ____

Bill Part 3 - Structures
Construction Heading 3 - Structures
CC-RMP-01800 - Structural Steelwork

ItemID	Item Description	Unit	Quantity	Rate	Amount €
	Miscellaneous Metalwork				
1	Watermain fixing to be replaced to match existing.	No.	3	_____ / _____	_____ / _____
2	Fabrication and erection of cast iron half balusters.	No.	6	_____ / _____	_____ / _____
3	Fabrication and erection of cast iron full baluster.	No.	1	_____ / _____	_____ / _____
Total Page : 22					_____ / _____

Bill Part 3 - Structures
Construction Heading 3 - Structures
CC-RMP-01800 - Structural Steelwork

Summary

					Amount €
	Total Page : 22				____ / ____
	TOTAL CARRIED FORWARD TO Construction Heading 3 SUMMARY				____ / ____

Bill Part 3 - Structures
Construction Heading 3 - Structures
CC-RMP-01900 - Protection of Steelwork Against Corrosion

ItemID	Item Description	Unit	Quantity	Rate	Amount €
	Maintenance and Painting of Steelwork				
1	Surface preparation of existing watermain fixed to the southern elevation of the bridge	m2	85	_____ / _____	_____ / _____
2	Protective system of existing watermain fixed to the southern elevation of the bridge	m2	85	_____ / _____	_____ / _____
3	Surface preparation of existing cast iron balusters	m2	75	_____ / _____	_____ / _____
4	Protective system of existing cast iron balusters	m2	75	_____ / _____	_____ / _____
Total Page : 24					_____ / _____

Bill Part 3 - Structures
Construction Heading 3 - Structures
CC-RMP-01900 - Protection of Steelwork Against Corrosion

Summary

					Amount €
	Total Page : 24				____ / ____
	TOTAL CARRIED FORWARD TO Construction Heading 3 SUMMARY				____ / ____

Bill Part 3 - Structures
Construction Heading 3 - Structures
CC-RMP-02400 - Brickwork, Blockwork and Stonework

ItemID	Item Description	Unit	Quantity	Rate	Amount €
1	Cleaning, de-vegetation, repointing and masonry repair to existing stonework Cleaning existing stonework on abutments and piers, parapets (both faces), and all cutwaters.	m2	1092	_____ / _____	_____ / _____
2	De-vegetation of existing stonework on both upstream and downstream elevations, abutments and piers, parapets (both faces), and all cutwaters.	m2	55	_____ / _____	_____ / _____
3	Raking out and Repointing existing stonework by historic structure specialist mason on both upstream and downstream elevations, abutments and piers, parapets (both faces), arch barrels, and all cutwaters.	m2	2142	_____ / _____	_____ / _____
4	Sympathetic Masonry stone replacement / repair of existing stonework, by historic structure specialist mason, in exposed faces of bridge at locations instructed by the Employers Representative	m3	3.5	_____ / _____	_____ / _____
5	Sympathetic masonry stone repair of existing stonework balustrade capping and stonework parapet walls as noted in contract drawings, by historic structure specialist mason	m	170	_____ / _____	_____ / _____
6	Sympathetic masonry stone repair of existing stonework stringer course and stonework parapet walls as noted in contract drawings, by historic structure specialist mason	m3	0.5	_____ / _____	_____ / _____
7	Misaligned stonework balustrade to be realigned and reset. Extents noted in the contract drawings.	m	10	_____ / _____	_____ / _____
Total Page : 26					_____ / _____

Bill Part 3 - Structures
Construction Heading 3 - Structures
CC-RMP-02400 - Brickwork, Blockwork and Stonework

Summary

					Amount €
	Total Page : 26				_____ / _____
	TOTAL CARRIED FORWARD TO Construction Heading 3 SUMMARY				_____ / _____
	TOTAL CARRIED FORWARD TO GENERAL SUMMARY				_____ / _____

Bill Part 3 - Structures
Construction Heading 3 - Structures
CC-RMP-05500 - Structural Concrete Repairs

ItemID	Item Description	Unit	Quantity	Rate	Amount €
1	In Situ Concrete In Situ Concrete, Repair works to concrete scour apron	m3	2	_____ / _____	_____ / _____
Total Page : 28					_____ / _____

Bill Part 3 - Structures
Construction Heading 3 - Structures
CC-RMP-05500 - Structural Concrete Repairs

Summary

					Amount €
	Total Page : 28				____ / ____
	TOTAL CARRIED FORWARD TO Construction Heading 3 SUMMARY				____ / ____
	TOTAL CARRIED FORWARD TO GENERAL SUMMARY				____ / ____

Bill Part 3 - Structures
Construction Heading 3 - Structures

Summary

					Amount €
	Total : Structural Steelwork				____ / ____
	Total : Protection of Steelwork Against Corrosion				____ / ____
	Total : Brickwork, Blockwork and Stonework				____ / ____
	Total : Structural Concrete Repairs				____ / ____
	TOTAL CARRIED FORWARD TO Bill Part 1 SUMMARY				____ / ____

Bill Part 3 - Structures

Summary

					Amount €
	Total : Structures				____ / ____
	TOTAL CARRIED FORWARD TO GENERAL SUMMARY				____ / ____

**Galway Bridge Rehabilitations
Salmon Weir Bridge**

**Bill of Quantities
General Summary**

					Amount €
Bill Part: 1	Preliminaries				_____ / _____
Bill Part: 2	Roadworks General				_____ / _____
Bill Part: 3	Structures				_____ / _____
	Sub - total				_____ / _____
	Adjustment Item				_____ / _____
	Tender total (exclusive of VAT)				_____ / _____
	Signature				
	Contractors name and Address				
	Date				