

The logo for OCSC is displayed in a large, bold, blue font. Below it, the text 'O'CONNOR · SUTTON · CRONIN' and 'MULTIDISCIPLINARY CONSULTING ENGINEERS' are written in a smaller, blue, sans-serif font. The background of the top half of the page features a large, blue, curved wireframe architectural drawing of a city street scene, showing buildings, roads, and trees.

OCSC

O'CONNOR · SUTTON · CRONIN
MULTIDISCIPLINARY CONSULTING ENGINEERS

**C1177: ST. BRIGID'S NATIONAL SCHOOL CARLOW SAFE ROUTES TO
SCHOOL**

VOLUME C – PREAMBLES AND PRICING DOCUMENT

**For
Carlow County Council**

14 July 2026

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PREAMBLES - SPLITTER



Bonneagar Iompair Éireann
Transport Infrastructure Ireland

TII Publications

GE PE DN CC OP AM RE

Introduction to the Requirements for Measuring and Pricing

CC-RMP-00010

April 2022

About TII

Transport Infrastructure Ireland (TII) is responsible for managing and improving the country's national road and light rail networks.

About TII Publications

TII maintains an online suite of technical publications, which is managed through the TII Publications website. The contents of TII Publications is clearly split into 'Standards' and 'Technical' documentation. All documentation for implementation on TII schemes is collectively referred to as TII Publications (Standards), and all other documentation within the system is collectively referred to as TII Publications (Technical).

Document Attributes

Each document within TII Publications has a range of attributes associated with it, which allows for efficient access and retrieval of the document from the website. These attributes are also contained on the inside cover of each current document, for reference.

TII Publication Title	<i>Introduction to the Requirements for Measuring and Pricing</i>
TII Publication Number	<i>CC-RMP-00010</i>

Activity	<i>Construction & Commissioning (CC)</i>		Document Set	<i>Standards</i>
Stream	<i>Requirements for Measuring and Pricing (RMP)</i>		Publication Date	<i>April 2022</i>
Document Number	<i>00010</i>		Historical Reference	-

TII Publications Website

This document is part of the TII publications system all of which is available free of charge at <http://www.tiipublications.ie>. For more information on the TII Publications system or to access further TII Publications documentation, please refer to the TII Publications website.

TII Authorisation and Contact Details

This document has been authorised by the Director of Professional Services, Transport Infrastructure Ireland. For any further guidance on the TII Publications system, please contact the following:

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TII Publications



Activity:	Construction & Commissioning (CC)
Stream:	Requirements for Measuring and Pricing (RMP)
TII Publication Title:	Introduction to the Requirements for Measuring and Pricing
TII Publication Number:	CC-RMP-00010
Publication Date:	April 2022
Set:	Standards

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**Updates to TII Publications resulting in changes to
Introduction to the Introduction to the Requirements for Measuring and Pricing CC-RMP-
00010**

Date: April 2022

Page No: 22

Section No: 2

Amendment Details:

Preambles to Bill of Quantities, General Directions, Section 2 - new sentence included in item (vii) that the provision of insurances and bonds are deemed to be general obligations.

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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 (The provision of insurances and bonds are deemed to be general obligations).
 - (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	Not used
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	Not used
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	Not used

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; (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 Requirements for Measuring and Pricing	18	Amendments to the Requirements for Measuring and Pricing are not advisable and in any case are only acceptable under an Approved Departure from TII, as noted under Section 3 General Principles.

[Notes to compiler:

The Preambles to Bill of Quantities (duly completed) must be reproduced unaltered and bound in the Bill of Quantities.

*To be completed by compiler as appropriate.

† Where an Approved Departure has been obtained from TII to amend any part of the RMP in accordance with Section 3 General Principles of CC-RMP-00010 – Introduction to the Requirements for Measuring and Pricing this preamble should be the last numbered preamble and inserted immediately prior to the amendments.]



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AMENDMENTS TO THE METHOD OF MEASUREMENT

Bill of Quantities Additional and Substitute Items

Contents

Series	Items	Type
600	184 – 187 Landscaping	A
1100	34 – 37 Street Furniture	A

Note: **A** = Additional Items **S** = Substitute Items

Landscape Planting

Units

184 The units of measurement shall be:

- (i) Plant (Name) Typenumber.

Measurement

185 The measurement for the plant type shall be the complete installation.

Itemisation

186 Separate items shall be provided for plants and trees in accordance with Section 3 of CC-RMP-00010 paragraphs 3 and 4 and the following:

Group Feature

I 1 Plant (Name) Type

Item Coverage:

187 The items for landscape planting shall be in accordance with the Preambles to Bill of Quantities General Directions include for:

- a) Supply and installation;
- b) excavation of acceptable material (CC-RMP-00600 paragraphs 17 and 18);
- c) excavation of unacceptable material (CC-RMP-00600 paragraph 19);
- d) excavation in Hard Material (CC-RMP-00600 paragraph 23);
- e) backfilling and compaction;
- f) ducting to provide for watering;
- g) reinstatement of surfaces;
- h) disposal of material (CC-RMP-00600 paragraph 39);
- i) protective treatment;
- j) fertilising including additional plant nutrients;
- k) cutting, trimming shaping and removal of cuttings;
- l) support staking and pegging;
- m) watering, retaining agent and herbicide treatment;
- n) 12 months maintenance;
- o) Replacement during maintenance period;
- p) Root protection system;
- q) Additives.

Street Furniture

Units

34 The units of measurement shall be:

- (i) Item of street furniture number.

Measurement

35 The measurement for the street furniture type shall be the complete installation.

Itemisation

36 Separate items shall be provided for street furniture in accordance with Section 3 of CC-RMP-00010 paragraphs 3 and 4 and the following:

Group	Feature
I	1 Named Streer Furniture Item

Item Coverage:

37 The items for street furniture shall be in accordance with the Preambles to Bill of Quantities General Directions include for:

- a) excavation of acceptable material (CC-RMP-00600 paragraphs 17 and 18);
- b) excavation of unacceptable material (CC-RMP-00600 paragraph 19);
- c) excavation in Hard Material (CC-RMP-00600 paragraph 23);
- d) backfilling and compaction;
- e) in situ concrete (CC-RMP-01700 paragraph 4);
- f) formwork (CC-RMP-01700 paragraph 14);
- g) reinforcement (CC-RMP-01700 paragraph 25);
- h) reinstatement of surfaces;
- i) disposal of material (CC-RMP-00600 paragraph 39);
- j) bedding and grouting;
- k) protective system (CC-RMP-01900 paragraph 4);
- l) rivets, bolts, nuts, clips, clamps and the like;
- m) backboard, fixings, protective caps, sealing, grommets, spacers, mounting plates and strips;

PRICING DOCUMENT

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 100 - Preliminaries</u>				
	<u>Temporary Accommodation</u>				
A	Erection of stores and workshops for the Contractor	1.00	item		
B	Erection of offices and messes for the Contractor	1.00	item		
C	Servicing of stores and workshops for the Contractor	1.00	item		
D	Servicing of offices and messes for the Contractor	1.00	item		
E	Dismantling of stores and workshops for the contractor	1.00	item		
F	Dismantling of offices and messes for the Contractor	1.00	item		
	<u>Operatives for the Employer's Representative</u>				
G	Operatives for the Employer's Representative until completion of the Works in accordance with Appendix 1/8	3.00	day		
	<u>Traffic Safety and Management</u>				
H	Traffic safety and management	1.00	item		
I	Taking measures for or construction, maintenance, removal of contraflow arrangements in accordance with Appendix 1/17	1.00	item		
J	Removing from store and installing temporary vertical safety barriers in accordance with Appendix 1/17	1.00	item		
K	Taking up or down and removing from site temporary vertical safety barriers in accordance with Appendix 1/17	1.00	item		
	<u>Temporary Diversion for Traffic</u>				
L	Taking measures for or construction of temporary diversion for traffic as required to facilitate the Works Requirements at locations listed in Appendix 1/18	1.00	item		
M	Taking measures for or construction of temporary diversion for traffic as required to facilitate the Works Requirements at locations listed in Appendix 1/18 but not measured individually	1.00	item		
N	Taking measures for or construction of temporary diversion for traffic at locations proposed by the contractor as required to facilitate the Works Requirements	1.00	item		
O	Maintenance of measures for or construction of temporary diversion for traffic as required to facilitate the Works Requirements at locations listed in Appendix 1/18	1.00	item		
P	Maintenance of measures for or construction of temporary diversion for traffic as required to facilitate the Works Requirements at locations listed in Appendix 1/18 but not measured individually	1.00	item		
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Ref	Description	Qty	Unit	Rate	Amount
	<u>Temporary Diversion for Traffic (Cont'd)</u>				
A	Maintenance of measures for or construction of temporary diversion for traffic at locations proposed by the contractor as required to facilitate the Works Requirements	1.00	item		
B	Removal of measures for or construction of temporary diversion for traffic as required to facilitate the Works Requirements at locations listed in Appendix 1/18	1.00	item		
C	Removal of measures for or construction of temporary diversion for traffic as required to facilitate the Works Requirements at locations listed in Appendix 1/18 but not measured individually	1.00	item		
D	Removal of measures for or construction of temporary diversion for traffic at locations proposed by the contractor as required to facilitate the Works Requirements	1.00	item		
	<u>Progress Photographs</u>				
E	Set of progress photographs taken monthly for the duration of the works, at project start and at project completion, to be provided in digital format to Employers Representative within five working days after being carried out on the first working day of each month, in accordance with Appendix 1/22 of the Works Requirements	5.00	nr		
	<u>Road Sweeping and Cleaning</u>				
F	Road sweeping and cleaning, to provided for the duration of the works until Substantial Completion	1.00	item		
	<u>Emergency Services</u>				
G	Provide for Emergency Services	1.00	item		
	<u>Facilities for Local Authority, Public or Private Utility Undertakers and Other Contractors</u>				
H	Facilities for Local Authority, Public or Private Utility Undertakers and other Contractor, ESB	1.00	item		
I	Facilities for Local Authority, Public or Private Utility Undertakers and other Contractor, Irish Water	1.00	item		
J	Facilities for Local Authority, Public or Private Utility Undertakers and other Contractor, Eir	1.00	item		
K	Facilities for all other Local Authority, Public or Private Utility Undertakers and other Contractors not listed	1.00	item		
L	Facilities for Local Authority, Public or Private Utility Undertakers and other Contractor, Carlow County Council	1.00	item		
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Ref	Description	Qty	Unit	Rate	Amount
	<u>Property Condition Surveys</u>				
A	Property condition surveys at locations indicated by red boundary line in accordance with drawings C1177-OCSC-Z2-XX-DR-C-0200 and Appendix 1/7	1.00	item		
	<u>Project Supervisor for the Construction Stage</u>				
B	Acceptance of the appointment as Project Supervisor for the Construction Stage	1.00	item		
	<u>Safety File</u>				
C	Safety File	1.00	item		
	<u>As Built Records</u>				
D	As Built Records	1.00	item		
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	Description	Amount
	Series 100 - Preliminaries	0.00
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St.Brigid's National School (Carlow Safe Route)
Part 2 - Roadworks General



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Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 200 Site Clearance</u>				
	<u>Site Clearance</u>				
A	General site clearance	0.65	ha		
B	Partial demolition of existing stone wall 1.45m long 0.45m wide x 1.00m high, as shown on drawings C1177- OCSC-Z2-XX-DR-C-2401	1.00	item		
	<u>Take Up or Down and Set Aside for Reuse or Remove to Store or Tip off Site</u>				
C	Take up or down and set aside for reuse public lighting head	1.00	nr		
D	Take up or down and set aside for reuse gate	1.00	nr		
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Ref	Description	Qty	Unit	Rate	Amount
A	<u>Series 300 Fencing and Environmental Noise Barriers</u> <u>Remove from Store and Re-erect Fencing, Gates and Stiles</u> Remove from store and re-erect gate 1.45m long x 1.20m high, as shown on drawings C1177-OCSC-Z2-XX-DR-C-0301	1.00	nr		
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Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 500 Drainage and Service Ducts</u> <u>Drains, Sewers, Piped Culverts and</u> <u>Service Ducts (Excluding Filter Drains,</u> <u>Narrow Filter Drains & Fin Drains)</u>				
A	S0 - S1 Line S1.001 225mm Concrete Pipe laid in trench in accordance with IS EN 13476. Trench, bedding and geotextile details per drawing C1177-OCSC-Z2-XX-DR-C-0504 Type S with the back fill materials to be clause 601 material in the Works Requirement. Depth to invert exceeding 1m not exceeding 2m, average depth metres 0.90m	24.00	m		
B	S1 - S2 Line S1.002 225mm Concrete Pipe laid in trench in accordance with IS EN 13476. Trench, bedding and geotextile details per drawing C1177-OCSC-Z2-XX-DR-C-0504 Type S with the back fill materials to be clause 601 material in the Works Requirement. Depth to invert exceeding 1m not exceeding 2m, average depth metres 0.90m	44.00	m		
C	S3 - S4 Line S2.001 225mm Concrete Pipe laid in trench in accordance with IS EN 13476. Trench, bedding and geotextile details per drawing C1177-OCSC-Z2-XX-DR-C-0504 Type S with the back fill materials to be clause 601 material in the Works Requirement. Depth to invert exceeding 1m not exceeding 2m, average depth metres 0.42m	17.00	m		
D	S4 - S5 Line S2.002 225mm Concrete Pipe laid in trench in accordance with IS EN 13476. Trench, bedding and geotextile details per drawing C1177-OCSC-Z2-XX-DR-C-0504 Type S with the back fill materials to be clause 601 material in the Works Requirement. Depth to invert exceeding 1m not exceeding 2m, average depth metres 0.42m	9.00	m		
E	150mm internal diameter uPVC road gully connection pipe. Trench and bedding details as per CC-SCD-00521-02 Type Z. Depth to invert exceeding 1 metre not exceeding 2 metres	58.00	m		
F	1 way internal diameter service ducts ,110mm internal diameter, depths to invert not exceeding 2 metres average, depth to invert 1 metre in trench under Trafficked Areas (CC-SCD-00561-02) Type A in side slopes of cuttings or side slopes of embankments	10.00	m		
G	1 way internal diameter service ducts ,110mm internal diameter, depths to invert not exceeding 2 metres average, depth to invert 1 metre in trench under Non-Trafficked Areas (CC-SCD-00562) Type C in side slopes of cuttings or side slopes of embankments	8.00	m		
H	2 way internal diameter service ducts,110mm internal diameter, depths to invert not exceeding 2 metres average, depth to invert 1 metre under in trench under Non-Trafficked Areas CC-SCD-00562) Type C side slopes of cuttings or side slopes of embankments	31.00	m		
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Ref	Description	Qty	Unit	Rate	Amount
	<u>Drains, Sewers, Piped Culverts and Service Ducts (Excluding Filter Drains, Narrow Filter Drains & Fin Drains)</u> <u>(Cont'd)</u>				
A	1 way internal diameter power supply duct, 110mm internal diameter, depths to invert not exceeding 2 metres average, depth to invert 1 metre in trench under Non-Trafficked Areas (CC-SCD-00562) Type C in side slopes of cuttings or side slopes of embankments	32.00	m		
	<u>Connections</u>				
B	Connection, existing storm pipe 225mm internal diameter to new manhole S5, depth to invert exceeding 1 metre, not exceeding 2 metres	1.00	nr		
C	Connection, new 225mm internal diameter storm pipe to existing manhole S0, depth to invert exceeding 1 metre, not exceeding 2 metres	1.00	nr		
	<u>Chambers and Gullies</u>				
D	Chamber, Manhole Type CC-SCD-00502, internal size 1350mm x 975mm, depth to invert exceeding 1 metre, not exceeding 2 metres, in accordance with drawing C1177-OCSC-Z2-XX-DR-C-0505	5.00	nr		
E	Precast Concrete Gully - (CC-SCD-00510) Depth not exceeding 1 metre, D400 cover and grating as per drawing C1177-OCSC-Z2-XX-DR-C-0505	8.00	nr		
F	Service Chamber, Type JB2, 820mm x 350mm internal diameter, depth exceeding 1 metre, but not exceeding 2 metres, D400 Chamber Cover and Frame, in accordance with the drawing C1177-OCSC-Z2-XX-DR-C-0515	2.00	nr		
G	Chamber precast ESB VC1 Chamber with cover and frame (EJ X Zebra VC1) or similar approved , depths to invert exceeding 1 metre but not exceeding 2 metres, in accordance with the drawing C1177-OCSC-Z2-XX-DR-C-0515	1.00	nr		
H	Service Chamber, Type JB4, 915mm x 445mm internal diameter, depth exceeding 1 metre, but not exceeding 2 metres, D400 Chamber Cover and Frame, in accordance with the drawing C1177-OCSC-Z2-XX-DR-C-0514	3.00	nr		
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Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 600 Earthworks</u>				
	<u>Excavation</u>				
A	Excavation of non-compliant material in cutting and other excavations 0 metres to 3 metres in depth. non-compliant material is classified as Category C (Soils suitable for disposal to a Non Hazardous Licenced Landfill) in accordance with Waste Acceptance Criteria (WAC) set out in Directive 1999/31/EC (The Landfill Directive) and the Council Decision of 19 December 2002, or such legislation as is current at award of Contract.	370.00	m3		
	<u>Excavation in Hard Material</u>				
B	Extra over excavation for excavation in hard material in cutting and other excavation	254.00	m3		
	<u>Disposal of Material</u>				
C	Disposal of non-compliant material	370.00	m3		
	<u>Imported Fill</u>				
D	Imported acceptable material Class 6F in fill on sub-base material base and capping.	45.00	m3		
E	Imported topsoil Class 5B	12.00	m3		
	<u>Compaction of Fill</u>				
F	Compaction of acceptable material Class 6F	45.00	m3		
	<u>Geotextiles</u>				
G	Geotextile, Terram T1000 or similar approved	126.00	m2		
	<u>Topsoiling and Storage of Topsoil</u>				
H	Topsoil 150mm deep to surfaces sloping at more than 10 degrees to the horizontal	80.00	m2		
	<u>Grass Seeding and Turfing</u>				
I	Grass seeding to surfaces sloping at 10° or less to the horizontal	80.00	m2		
	<u>Landscaping</u>				
J	Flowering Shrub Mix, Hypericum 'Hidcote', plant size 0.30-0.40m	4.00	nr		
K	Flowering Shrub Mix, Perovskia atriplicifolia 'Blue Spire', plant size 0.30-0.40m	4.00	nr		
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Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 700 Pavements</u>				
	<u>Sub-base</u>				
A	Sub-base material 150mm thick in carriageway, hard shoulder and hard strip in accordance with UGM Ac	19.00	m3		
	<u>Pavement</u>				
B	AC32 DENSE BIN 40/60 DES TO IS EN 13108-1 dense base course 100mm thick (Full Road Construction) in accordance with Work Requirements CC-SPW-00900 CL 3.1.1	126.00	m2		
C	AC32 DENSE BIN 40/60 DES TO IS EN 13108-1 dense base course 100mm thick (Road Reinstatement) in accordance with Work Requirements CC-SPW-00900 CL 3.1.1	392.00	m2		
D	AC20 DENSE BIN 40/60 DES binder course 60mm thick, in accordance with Work Requirements TII-CC-SPW-00900 CL 3.1.4	517.00	m2		
E	AC20 DENSE BIN 40/60 DES binder course 60-135mm thick, (Speed Cushion) in accordance with Work Requirements TII-CC-SPW-00900 CL 3.1.4	28.00	m2		
F	AC20 DENSE BIN 70/100 DES binder course 60-135mm thick (Raised Pedestrian Crossing), in accordance with Work Requirements TII-CC-SPW-00900 CL 3.1.4	60.00	m2		
G	PMSMA SURF 10 65/105-60 DES surface course 45mm thick in carriageway, hard shoulder and hard strip in accordance with Works Requirements TII-CC-SPW-00900 CL. 5.1.1	985.00	m2		
H	PMSMA SURF 14 65/105-60 DES surface course 35mm thick in carriageway, hard shoulder and hard strip in accordance with Works Requirements TII-CC-SPW-00900 CL. 5.1.4	95.00	m2		
	<u>Regulating Course</u>				
I	AC20 DENSE BIN 40/60 DES TO IS EN regulating course 25mm-40mm thick in carriageway, hard shoulder and hard strip	66.00	t		
	<u>Bond Coat</u>				
J	Tack Coat	1,640.00	m2		
	<u>Cold Milling</u>				
K	Cold milling (Planing) of existing carriageway surface to a depth exceeding 50mm but not exceeding 100mm	1,080.00	m2		
C1177	Page: 2 / 6 To Collection				0.00

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 1100 Kerbs, Footways and Paved Areas</u> <u>Kerbs, Channels, Edgings, Combined Drainage and Kerb Blocks and Linear Drainage Channel Systems</u>				
A	Insitu concrete kerb 125mm upstand laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	355.00	m		
B	Insitu concrete kerb 125mm upstand curved not exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	40.00	m		
C	Insitu concrete kerb 25mm upstand laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	98.00	m		
D	Insitu concrete transition kerb laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	23.00	m		
E	Insitu concrete kerb 0-6mm upstand laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	19.00	m		
F	Precast concrete edging kerb 100mm upstand laid straight or curved exceeding 12 meters radius with work Requirement CC-SCD-01101	16.00	m		
	<u>Additional Concrete for Kerbs, Channels, Edgings, Combined Drainage and Kerb Blocks and Linear Drainage Channel Systems</u>				
G	Additional ST4 concrete to kerbs	33.00	m3		
	<u>Footways and Paved Areas</u>				
H	Footway 1 (Concrete Footway) as per CC-SCD-01105, 200mm thick, comprising 100mm concrete to TII-CC-SPW-0100 CL 1106 and CC-SCD-01105, on 100mm thick Sub-base to UGM Ac in accordance with TII-CC-00800 CL 2.1.2, surface sloping at 10 degrees or less to the horizontal with brush finish	560.00	m2		
I	Footway 2 (Concrete Footway at Vehicular Access) as per CC-SCD-01104, 300mm thick, comprising 150mm concrete to TII-CC-SPW-0100 CL 1106 with A393 steel mesh and CC-SCD-01104, on 150mm thick Sub-base to UGM Ac in accordance with TII-CC-00800 CL 2.1.2, surface sloping at 10 degrees or less to the horizontal with brush finish	195.00	m2		
J	Footway 3 (Concrete Footway at junction) as per CC-SCD-01104, 285mm thick, comprising 150mm concrete to TII-CC-SPW-0100 CL 1106 with A393 steel mesh and CC-SCD-01104, on 60-135mm thick binder course in accordance with Work Requirements TII-CC-SPW-00900 CL 3.1.4	195.00	m2		
C1177	Page: 2 / 7			To Collection	0.00

Ref	Description	Qty	Unit	Rate	Amount
	<u>Footways and Paved Areas (Cont'd)</u>				
A	Tactile paving, 180mm thick, comprising 400mm x 400mm x 50mm thick tactile paving slab to BS 7263-1:2001, buff in colour, on 30mm laying course 30N/MM2 to Table 3 of BS 7533-12:2006, jointing material 40N/MM2 jointing material in accordance with table 2 of BS EN 7533-12:2006, on 100mm thick C32/40 concrete to table 2 of BS 7533-12:2006	9.00	m2		
B	Tactile paving, 180mm thick, comprising 400mm x 400mm x 50mm thick tactile paving slab to BS 7263-1:2001, red in colour, on 30mm laying course 30N/MM2 to Table 3 of BS 7533-12:2006, jointing material 40N/MM2 jointing material in accordance with table 2 of BS EN 7533-12:2006, on 100mm thick C32/40 concrete to table 2 of BS 7533-12:2006	20.00	m2		
	<u>Street Furniture</u>				
C	Bench 1.2m long, 450mm high x 390mm wide, frame made of 30mm x 50mm steel tubing with zinc primer treatment, 3 x 36mm French oak seating slats fixed with tamper-proof bolts, treated with water based stain preserver, mounted to surface with chemical anchor bolts and base plates	2.00	nr		
D	Planter 1250mm x 1250mm 1150mm material timber oak with liner fixed with tamper-proof bolts, treated with water based stain preserver, mounted to surface with chemical anchor bolts and base plates	4.00	nr		
C1177	Page: 2 / 8 To Collection				0.00

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 1200 Traffic Signs and Road Markings</u> <u>Traffic Signs</u>				
A	Permanent retroreflective traffic sign as RUS027 size 750mm of Traffic Signs Manual and 1200 series drawings on one 2.5 m x 76.1mm high galvanised tubular steel pole	2.00	nr		
B	Permanent retroreflective traffic sign as W140A size 600mm of Traffic Signs Manual and 1200 series drawings on one 2.5 m x 76.1mm high galvanised tubular steel pole	3.00	nr		
C	Permanent retroreflective traffic sign as W130 and P080 size 12220 X 900mm of Traffic Signs Manual and 1200 series drawings on one 4.67m x 76.1mm high galvanised tubular steel pole	2.00	nr		
D	Permanent retroreflective traffic sign as W141, S102 and RUS045 size 1850mm X 900mm of Traffic Signs Manual and 1200 series drawings on two 5.50m x 114.3mm high galvanised tubular steel pole	3.00	nr		
E	Permanent retroreflective traffic sign as W141, S102 and RUS045 size 1850mm X 900mm of Traffic Signs Manual and 1200 series drawings on one 5.50m x 139.7mm high galvanised tubular steel pole	1.00	nr		
F	New Midustar (or similar approved) belisha beacon, to be fitted to existing pole, in accordance with drawings C1177-OCSC-Z2-XX-DR-C-1206	2.00	nr		
	<u>Road Markings</u>				
G	Ancillary zig zag crossing line 100mm with 150mm spacing at 2m lengths, in white thermoplastic screed with applied glass beads 100mm as per RPC 002 of Traffic Signs Manual and 1200 series drawings	175.00	m		
H	Continuous centre Stop Line Marking 100mm in white thermoplastic screed with applied solid glass beads 100mm as per RRM 017 of Traffic Signs Manual and 1200 series drawings	30.00	m		
I	Continuous centre Line Marking 100mm in white thermoplastic screed to road with applied solid glass beads 100mm as per RRM 001 of Traffic Signs Manual and 1200 series drawings	480.00	m		
J	Road Line 100mm in white thermoplastic screed with applied solid glass beads 100mm as per RRM011 of Traffic Signs Manual and 1200 Series drawings	35.00	m		
K	Road Line 100mm in white thermoplastic screed with applied solid glass beads 100mm as per RRM013 of Traffic Signs Manual and 1200 Series drawings	240.00	m		
L	Intermittent edge of carriageway line 100mm in yellow thermplastic screed with 2m gaps with applied solid beads as per RRM 025 of Traffic Signs Manual and 1200 series drawings	830.00	m		
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Ref	Description	Qty	Unit	Rate	Amount
	<u>Road Markings (Cont'd)</u>				
A	Centre Warning Broken Line 100mm in white thermoplastic screed with applied solid glass beads 100mm as per RRM002D of Traffic Signs Manual and 1200 Series drawings	10.00	m		
B	Removal of symbols in yellow thermoplastic screed with applied solid beads " BAR Marking " line .6m x as per M 113 of Traffic Signs Manual and 1200 series drawings	20.00	nr		
C	Zebra Pedestrian Crossing in white thermoplastic screed as per RPC001 of Traffic signs Manual and 1200 series drawings	2.00	nr		
D	Symbols in white thermoplastic screed with applied solid beads "STOP " wording 1.2m x 0.75m as per M 114 of Traffic Signs Manual and 1200 series drawings	12.00	nr		
E	Symbols in white thermoplastic screed with applied solid beads "SLOW " wording 1.2m x 0.75m as per M 106 of Traffic Signs Manual and 1200 series drawings	12.00	nr		
F	Symbols in white thermoplastic screed with applied solid beads "AHEAD " wording 1.2m x 0.75m of Traffic Signs Manual and 1200 series drawings	5.00	nr		
G	Symbols in white thermoplastic screed with applied solid beads "CAUTION " wording 1.2m x 0.75m of Traffic Signs Manual and 1200 series drawings	7.00	nr		
H	Symbols in white thermoplastic screed with applied solid beads " School " wording 1.2m x 0.75m as per of Traffic Signs Manual and 1200 series drawings	6.00	nr		
I	Symbols in white thermoplastic screed with applied solid beads "Scoil/School " wording 1.2m x 0.75m as per of Traffic Signs Manual and 1200 series drawings with red antiskid area colour RAL3027 in accordance with drawing C1177-OCSC-Z2-XX-DR-C-1201 and C1177-OCSC-Z2-XX-DR-C-1203	22.00	nr		
J	Symbols in white thermoplastic screed with applied solid beads "Traffic Calming Triangle" as per M 112 of Traffic Signs Manual and 1200 series drawings	12.00	nr		
K	Symbols in white thermoplastic screed with applied solid beads, Lane Indication Arrow Left as per RRM 005 of Traffic Signs Manual and 1200 series drawing	1.00	nr		
L	Symbols in white thermoplastic screed with applied solid beads, Lane Indication Arrow Left as per RRM 004 of Traffic Signs Manual and 1200 series drawing	1.00	nr		
M	Symbols in white thermoplastic screed with applied solid beads 'Disabled person's parking bay Symbol' as per RRM 015 of Traffic Signs Manual and 1200 Series drawings	3.00	nr		
N	Symbols in red Thermoplastic screed, 2.0m Diameter Circle as per RAL3027 of Traffic sign Manual, TII-SPW-01200 and 1200 series drawing	15.00	nr		
C1177	Page: 2 / 10 To Collection				0.00

Ref	Description	Qty	Unit	Rate	Amount
	<u>Road Markings (Cont'd)</u>				
A	Symbols in yellow Thermoplastic screed, 1.5m Diameter Circle as per RAL1023 of Traffic sign Manual, TII-SPW-01200 and 1200 series drawing	15.00	nr		
B	Symbols in orange Thermoplastic screed, 1.0m Diameter Circle as per RAL1034 of Traffic sign Manual, TII-SPW-01200 and 1200 series drawing	15.00	nr		
C	Symbols in green Thermoplastic screed, 1.0m Diameter Circle as per RAL6017 of Traffic sign Manual, TII-SPW-01200 and 1200 series drawing	15.00	nr		
	<u>Permanent Bollards</u>				
D	IPL X Last Pencil Bollards with Bolt Down Flange Base, or similar approved yellow in colour RAL1018, in accordance with drawing C1177-OCSC-Z2-XX-DR-C-1205	56.00	nr		
C1177	Page: 2 / 11 To Collection				0.00

Ref	Description	Qty	Unit	Rate	Amount
A	<u>Series 1300 Road Lighting Columns and Brackets</u> <u>Road Lighting Columns, Brackets and Wall Mountings</u>				
	Luminaire Type A, with Lighting AXIA 3.3 5280 64 OSLO Square Giant @ 300mA to new road lighting column 6m high with 0.4m outreach, to include belish beacon IPL Midustar or similar approved, in accordance with CC-SCD-05138 standard detail and drawing C1177-OCSC-Z2-XX-DR-C-1302	2.00	nr		
	B New 9m mid hinged flange mounted octagonal lighting column galvanised pole	1.00	nr		
C	<u>Remove from Store and Re-erect Road Lighting Columns, Brackets and Wall Mountings</u>				
	C Remove from store and re-erection public lighting head	1.00	nr		
C1177					0.00

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 1400 Electrical Work for Road Lighting Traffic Signs</u>				
	<u>Cabling</u>				
A	Cable, public lighting cable, 6SQ 3 core PVC/SWA/PVC in carriageways, footways and bridge decks and paved areas	112.00	m		
	<u>Cable Joints and Terminations</u>				
B	Cable Joint, 6SQ, 3 core PVC/SWA/PVC	3.00	nr		
C	Cable terminations, 6SQ , 3 core PVC/SWA/PVC	2.00	nr		
	<u>Feeder Pillars</u>				
D	Micro-Pillar to 420mm to fit VC1 chamber Piltown Eng UP3-1P lift out or similar approved, in accordance with drawings C1177-OCSC-Z2-XX-DR-C-0515	1.00	nr		
	<u>Earth Electrodes</u>				
E	Earth Electrodes	1.00	nr		
C1177	Page: 2 / 13 To Collection				0.00

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 1700 Structural Concrete</u>				
	<u>In Situ Concrete</u>				
A	In situ concrete, C25/30 for wall foundation	1.00	m3		
B	In situ concrete Blinding concrete type ST1, 75mm or less in thickness	1.00	m3		
	<u>Surface Finish of Concrete - Formwork</u>				
C	Formwork Vertical more than 300mm wide F2	2.00	m2		
	<u>Steel Reinforcement for Structures</u>				
D	Mesh reinforcing element A393	2.00	m2		
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Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 2400 Brickwork, Blockwork and Stonework</u> <u>Blockwork and Stonework</u>				
A	Blockwork, individual blocks, solid concrete rising wall to foundations in class (II) mortar to match existing	1.00	m3		
B	Stonework, stone wall 0.45m wide x 1.00m high, stonework in cement mortar designation (iii) to match existing	1.00	m3		
C	Copings, string courses and the like coping 0.45m wide x 0.25m high, stonework in cement mortar designation (iii) to match existing	2.00	m		
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	Description	Amount
	Series 200 Site Clearance	0.00
	Series 300 Fencing and Environmental Noise Barriers	0.00
	Series 500 Drainage and Service Ducts	0.00
	Series 600 Earthworks	0.00
	Series 700 Pavements	0.00
	Series 1100 Kerbs, Footways and Paved Areas	0.00
	Series 1200 Traffic Signs and Road Markings	0.00
	Series 1300 Road Lighting Columns and Brackets	0.00
	Series 1400 Electrical Work for Road Lighting Traffic Signs	0.00
	Series 1700 Structural Concrete	0.00
	Series 2400 Brickwork, Blockwork and Stonework	0.00
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Bill	Description	Amount
1	Part 1 - Preliminaries	0.00
2	Part 2 - Roadworks General	0.00
C1177	Page: S/1	0.00



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