

The OCSC logo is positioned in the upper left. The background features a large, semi-circular architectural line drawing of a city street scene, including buildings, a bridge, and a river, rendered in a light green color.

OCSC

O'CONNOR · SUTTON · CRONIN
MULTIDISCIPLINARY CONSULTING ENGINEERS

**G558: BALLINASLOE R446 BRIDGE ST. TO HARRIS RD. ACTIVE
TRAVEL SCHEME**

VOLUME C – PREAMBLES, AMENDMENTS TO THE METHOD OF MEASUREMENT & PRICING DOCUMENT

**For
Galway County Council**

25 August 2026

NOTICE

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TABLE OF CONTENTS

1. PREAMBLES

2. AMENDMENTS TO THE MMRW

3. PRICING DOCUMENT

PREAMBLES TO THE METHOD OF MEASUREMENT



Bonneagar Iompair Éireann
Transport Infrastructure Ireland

TII Publications



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		Historical Reference	-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

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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
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Set:	Standards

Contents

1.	Contents of the Requirements for Measuring and Pricing	1
2.	Definitions.....	8
3.	General Principles.....	9
4.	Preparation of Bill of Quantities.....	10
5.	References.....	25

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.

Contents Table

1.	Contents of the Requirements for Measuring and Pricing	1
2.	Definitions.....	8
3.	General Principles.....	9
4.	Preparation of Bill of Quantities.....	10
5.	References.....	25

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.]

5. References

Refer to Chapter 1.



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AMENDMENTS TO THE METHOD OF MEASUREMENT



Bill of Quantities Additional and Substitute Items

Contents

Series	Items	Type
600	185 – 188 Landscaping	A
1100	34 – 37 Street Furniture	A

Landscape Planting

Landscape Planting

Units	1	The unit of measurement shall be: (i) Plant (Name) Type number. (ii) Tree (Name) Type number.
Measurement	2	The measurement for the plant type shall be the complete installation.
Itemisation	3	The items for landscape planting shall be in accordance with the Preambles to Bill of Group I Plant (Name) Type II Tree (Name) Type
Landscape Planting	4	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 stacking and pegging (m) Watering, retaining agent and herbicide treatment; (n) 12 months maintenance; (o) Replacement during maintenance period; (p) Root protection system; (q) Additives.
Item Coverage		

Street Furniture

Street Furniture

Units	1	The unit of measurement shall be: (i) Item of street furniture number.				
Measurement	2	The measurement for the street furniture type shall be the complete installation.				
Itemisation	3	Separate items shall be provided for street furniture in accordance with Section 3 of CC-RMP-00010 paragraphs 3 and 4 and the following:				
		<table><tr><th>Group</th><th>Feature</th></tr><tr><td>I</td><td>1 Named Street Furniture Item</td></tr></table>	Group	Feature	I	1 Named Street Furniture Item
Group	Feature					
I	1 Named Street Furniture Item					
Street Furniture	8	The items for concrete repair shall include for:				
Item Coverage		(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 38); (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

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 1 - Preliminaries

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 100 - Preliminaries</u>				
	<u>Temporary Accommodation</u>				
A	Erection of Principal Offices for the Employer s Representative Until completion of the Works	1.00	item		
B	Erection of stores and workshops for the Contractor	1.00	item		
C	Erection of offices and messes for the Contractor	1.00	item		
D	Servicing of Principal Offices for the Employer s Representative Until completion of the Works	1.00	item		
E	Servicing of stores and workshops for the Contractor	1.00	item		
F	Servicing of offices and messes for the Contractor	1.00	item		
G	Dismantling of Principal Offices for the Employer s Representative after completion of the Works	1.00	item		
H	Dismantling of stores and workshops for the contractor	1.00	item		
I	Dismantling of offices and messes for the Contractor	1.00	item		
	<u>Communication System for the Employer's Representative</u>				
J	Communication System and Equipment for the Employer's Representative to be provided in accordance with Appendix 1/1 and Appendix 1/3 of the specification that will be retained by the ER on completion of the works	1.00	item		
	<u>Operatives for the Employer's Representative</u>				
K	Operatives for the Employer's Representative until completion of the Works in accordance with Appendix 1/8	20.00	day		
	<u>Information Board</u>				
L	Information Board	5.00	nr		
	<u>Traffic Safety and Management</u>				
M	Traffic safety and management	1.00	item		
N	Taking measures for or construction, maintenance, removal of contraflow arrangements in accordance with Appendix 1/17	1.00	item		
O	Removing from store and installing temporary vertical safety barriers in accordance with Appendix 1/17	1.00	item		
P	Taking up or down and removing from site temporary vertical safety barriers in accordance with Appendix 1/17	1.00	item		
G558				To Collection	0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 1 - Preliminaries

Ref	Description	Qty	Unit	Rate	Amount
	<u>Temporary Diversion for Traffic</u>				
A	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		
B	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		
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	1.00	item		
	<u>Recovery Vehicles</u>				
D	Provision of tilt and lift recovery vehicle	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	4.00	nr		
F	Additional aerial progress photographs taken weekly for the duration of the works, at project start and at project completion, to be provided in digital format (a minimum of 10 megapixels) to Employers Representative within five working days after being carried out on the first working day of each month and at weekly intervals until completion, in accordance with Appendix 1/22 of the Works Requirements	4.00	nr		
	<u>Road Sweeping and Cleaning</u>				
G	Road sweeping and cleaning, to provided for the duration of the works until Substantial Completion	1.00	item		
	<u>Emergency Services</u>				
H	Provide for Emergency Services	1.00	item		
	<u>Facilities for Local Authority, Public or Private Utility Undertakers and Other Contractors</u>				
I	Facilities for Local Authority, Public or Private Utility Undertakers and other Contractor, Galway County Council	1.00	item		
J	Facilities for Local Authority, Public or Private Utility Undertakers and other Contractor, ESB	1.00	item		
K	Facilities for Local Authority, Public or Private Utility Undertakers and other Contractor, Network Gas	1.00	item		
G558	Page: 1 / 2 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 1 - Preliminaries

Ref	Description	Qty	Unit	Rate	Amount
	<u>Facilities for Local Authority, Public or Private Utility Undertakers and Other Contractors (Cont'd)</u>				
A	Facilities for Local Authority, Public or Private Utility Undertakers and other Contractor, Irish Water	1.00	item		
B	Facilities for Local Authority, Public or Private Utility Undertakers and other Contractor, Eir	1.00	item		
C	Facilities for all other Local Authority, Public or Private Utility Undertakers and other Contractors not listed	1.00	item		
	<u>Property Condition Surveys</u>				
D	Property condition surveys at locations indicated by red boundary line in accordance with series drawings G558-OCSC-XX-XX-DR-C-00100 to 00112 and Appendix 1/7	1.00	item		
	<u>Project Supervisor for the Construction Stage</u>				
E	Acceptance of the appointment as Project Supervisor for the Construction Stage	1.00	item		
	<u>Safety File</u>				
F	Safety File	1.00	item		
	<u>As Built Records</u>				
G	As Built Records	1.00	item		
G558	Page: 1 / 3 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme



Part 1 - Preliminaries

	Description	Amount
	Series 100 - Preliminaries	0.00
G558	Page: 1 / 4To Summary	0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme



Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
A	<u>Series 200 Site Clearance</u>	2.90	ha		
	<u>Site Clearance</u>				
	General site clearance				
G558		Page: 2 / 1 To Collection			0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 300 Fencing and Environmental Noise Barriers</u> <u>Fencing, Gates and Stiles</u>				
A	Fencing, Bow Top Galvernised Steel Fence, 1.2 metre height to follow existing fence, posts to be set in concrete foundation 750mm x 350mm 2 metre C/C, concrete Class C16/20, in accordance with the drawing G558-OCSC-XX-XX-DR-C-0311	88.00	m		
G558	Page: 2 / 2 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 500 Drainage and Service Ducts</u>				
	<u>Drains, Sewers, Piped Culverts and Service Ducts (Excluding Filter Drains, Narrow Filter Drains & Fin Drains)</u>				
A	2 x 110mm internal diameter service duct (Bus Shelter), depths to invert not exceeding 2 metres average, depth to invert 1 metre in trench under Non-Trafficked Areas (CC-SCD-00562) Type C	35.00	m		
B	2 x 110mm internal diameter service duct (Traffic Lighting), depths to invert not exceeding 2 metres average, depth to invert 1 metre in trench under Non-Trafficked Areas (CC-SCD-00562) Type C	95.00	m		
C	2 x 110mm internal diameter service duct (Public Lighting), depths to invert not exceeding 2 metres average, depth to invert 1 metre in trench under Non-Trafficked Areas (CC-SCD-00562) Type C	65.00	m		
D	2 x 110mm internal diameter service ducts,(Traffic Lighting), depths to invert not exceeding 2 metres average, depth to invert 1 metre in trench under Trafficked Areas (CC-SCD-00561) Type A.	36.00	m		
E	2 x 110mm internal diameter service ducts,(Public Lighting), depths to invert not exceeding 2 metres average, depth to invert 1 metre in trench under Trafficked Areas (CC-SCD-00561) Type A.	12.00	m		
	<u>Renewal, Raising or Lowering Covers and Gratings on Existing Chambers and Gullies</u>				
F	Raising or lowering covers on existing chambers, exceeding 150mm but not exceeding 300mm, cover size not exceeding 1m2,	21.00	nr		
G	Raising or lowering covers on existing SV chambers, exceeding 150mm but not exceeding 300mm, cover size not exceeding 1m2,	4.00	nr		
H	Raising or lowering covers on existing MH chambers, exceeding 150mm but not exceeding 300mm, cover size not exceeding 1m2,	1.00	nr		
	<u>Surface Water Drainage</u>				
I	150mm internal diameter uPVC road gully connection pipes in trench to proposed drainage ditch. Trench and bedding details to be as per CC-SCD-00521-02 Type Z. Depth to invert exceeding 1 metre, not exceeding 2 metre	95.00	m		
	<u>Connections</u>				
J	Connection to existing drain, chambers, sewer or piped and stone culvert 150mm internal diameter, Depth not exceeding 2 metres	21.00	nr		
G558		Page: 2 / 3			To Collection
					0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
	<u>Chambers and Gullies</u>				
A	Precast Concrete Gully - (CC-SCD-00510) Depth not exceeding 1 metre, D400 cover and grating drawing G558-OCSC-XX-XX-DR-C-00513	21.00	nr		
B	Chamber, Inspection Chamber, 600mm x 600mm internal diameter, pre-cast concrete depth not exceeding 1 metre, in accordance with G558-OCSC-XX-XX-DR-C-01312	5.00	nr		
C	Chamber, Type JB4, 915mm X 445mm internal diameter, cover size 915mm x 445mm Class D400 IS/EN 124, depth not exceeding 1 metre, in accordance with G558-OCSC-10-XX-DR-C-00531	8.00	nr		
G558	Page: 2 / 4 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 600 Earthworks</u>				
	<u>Excavation</u>				
A	Excavation of compliant material excluding Class 5A (R446) in cutting and other excavations 0 metres to 3 metres in depth where acceptable material is classed as Category B Non-Haz Soil and Stones EWC 17 05 04 meeting WAC of inert Engineered landfill.	150.00	m3		
B	Excavation of compliant material excluding Class 5A (Bridge Street) in cutting and other excavations 0 metres to 3 metres in depth where acceptable material is classed as Category B Non-Haz Soil and Stones EWC 17 05 04 meeting WAC of inert Engineered landfill.	40.00	m3		
C	Excavation of compliant material excluding Class 5A (Grand Canal Roundabout) in cutting and other excavations 0 metres to 3 metres in depth where acceptable material is classed as Category B Non-Haz Soil and Stones EWC 17 05 04 meeting WAC of inert Engineered landfill.	40.00	m3		
D	Excavation of compliant material excluding Class 5A (Harbour Road / Dunlo Hill) in cutting and other excavations 0 metres to 3 metres in depth where acceptable material is classed as Category B Non-Haz Soil and Stones EWC 17 05 04 meeting WAC of inert Engineered landfill.	150.00	m3		
E	Excavation of compliant material excluding Class 5A (Harris Road / Breacarnach) in cutting and other excavations 0 metres to 3 metres in depth where acceptable material is classed as Category B Non-Haz Soil and Stones EWC 17 05 04 meeting WAC of inert Engineered landfill.	40.00	m3		
F	Excavation of non-compliant material (R446) 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.	1,450.00	m3		
G	Excavation of non-compliant material (Bridge Street) 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.	113.00	m3		
G558	Page: 2 / 5 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
	<u>Excavation (Cont'd)</u>				
A	Excavation of non-compliant material (Grand Canal Roundabout) 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.	178.00	m3		
B	Excavation of non-compliant material (Harbour Road / Dunlo Hill) 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.	1,057.00	m3		
C	Excavation of non-compliant material (Harris Road / Breacarnach) 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.	450.00	m3		
	<u>Excavation in Hard Material</u>				
D	Extra over excavation for excavation in hard material in cold milling	357.00	m3		
E	Extra over excavation for excavation in hard material in cutting and other excavation (R446)	1,103.00	m3		
F	Extra over excavation for excavation in hard material in cutting and other excavation (Bridge Street)	108.00	m3		
G	Extra over excavation for excavation in hard material in cutting and other excavation (Grand Canal Roundabout)	160.00	m3		
H	Extra over excavation for excavation in hard material in cutting and other excavation (Harbour Road / Dunlo Hill)	828.00	m3		
I	Extra over excavation for excavation in hard material in cutting and other excavation (Harris Road / Breacarnach)	212.00	m3		
J	Deposition of Fill				
	<u>Disposal of Material</u>				
K	Disposal of compliant material (R446)	150.00	m3		
L	Disposal of compliant material (Bridge Street)	40.00	m3		
G558		Page: 2 / 6		To Collection	0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
	<u>Disposal of Material (Cont'd)</u>				
A	Disposal of compliant material (Grand Canal Roundabout)	40.00	m3		
B	Disposal of compliant material (Harbour Road / Dunlo Hill)	150.00	m3		
C	Disposal of compliant material (Harris Road / Breacarnach)	40.00	m3		
D	Disposal of non-compliant material (R446)	1,450.00	m3		
E	Disposal of non-compliant material (Bridge Street)	113.00	m3		
F	Disposal of non-compliant material (Grand Canal Roundabout)	178.00	m3		
G	Disposal of non-compliant material (Harbour Road / Dunlo Hill)	1,057.00	m3		
H	Disposal of non-compliant material (Harris Road / Breacarnach)	450.00	m3		
	<u>Imported Fill</u>				
I	Imported topsoil Class 5B (R446)	119.00	m3		
J	Imported topsoil Class 5B (Bridge Street)	3.00	m3		
K	Imported topsoil Class 5B (Grand Canal Roundabout)	15.00	m3		
L	Imported topsoil Class 5B (Harbour Road / Dunlo Hill)	75.00	m3		
M	Imported topsoil Class 5B (Harris Road / Breacarnach)	13.00	m3		
N	Imported acceptable material Class 6F in fill on sub-base material base and capping. (R446)	123.00	m3		
O	Imported acceptable material Class 6F in fill on sub-base material base and capping. (Grand Canal Roundabout)	9.00	m3		
P	Imported acceptable material Class 6F in fill on sub-base material base and capping. (Harbour Road / Dunlo Hill)	35.00	m3		
Q	Imported acceptable material Class 6F in fill on sub-base material base and capping. (Harris Road / Breacarnach)	123.00	m3		
	<u>Compaction of Fill</u>				
R	Compaction of acceptable material Class 6F (R446)	123.00	m3		
S	Compaction of acceptable material Class 6F (Grand Canal Roundabout)	9.00	m3		
T	Compaction of acceptable material Class 6F (Harbour Road / Dunlo Hill)	35.00	m3		
U	Compaction of acceptable material Class 6F (Harris Road / Breacarnach)	123.00	m3		
G558	Page: 2 / 7 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
	<u>Soft Spots and Other Voids</u>				
A	Excavation of soft spots and other voids	25.00	m3		
B	Filling of soft spots and other voids ST4 concrete	25.00	m3		
	<u>Disused Sewers, Drains, Cables, Ducts, Pipelines and the Like Occurring at Formation or Sub-formation Level; Disused Basements, Cellars and the Like and Gullies</u>				
C	Removal of disused Inspection Chamber exceeding 1metre not exceeding 2 metre depth (Bridge Street)	1.00	nr		
D	Backfilling disused inspection Chamber with ST4 concrete (Bridge Street)	1.00	nr		
E	Removal of "FH Chamber" not exceeding 1 metre depth	1.00	nr		
F	Backfilling disused FH Chamber with ST4 concrete	1.00	nr		
G	Removal of disused gullies, manholes and chambers Gully Disused service with 1m or less of cover to formation level (R446)	18.00	nr		
H	Backfilling disused gullies, Disused gully with 1m or less of cover to formation level In situ concrete ST4 (R446)	18.00	nr		
I	Removal of disused gullies, manholes and chambers Gully Disused service with 1m or less of cover to formation level (Bridge Street)	2.00	nr		
J	Removal of disused gullies, manholes and chambers Gully Disused service with 1m or less of cover to formation level (Bridge Street)	2.00	nr		
K	Backfilling disused gullies, Disused gully with 1m or less of cover to formation level In situ concrete ST4 (Grand Canal Roundabout)	2.00	nr		
L	Backfilling disused gullies, Disused gully with 1m or less of cover to formation level In situ concrete ST4 (Grand Canal Roundabout)	2.00	nr		
	<u>Geotextiles</u>				
M	Geotextile, Terram T1000 or similar approved (R446)	349.00	m2		
N	Geotextile, Terram T1000 or similar approved (Grand Canal Roundabout)	25.00	m2		
O	Geotextile, Terram T1000 or similar approved (Harbour Road / Dunlo Hill)	100.00	m2		
P	Geotextile, Terram T1000 or similar approved (Harris Road / Breacarnach)	350.00	m2		
	<u>Topsoiling and Storage of Topsoil</u>				
Q	Topsoil 150mm deep to surfaces sloping at more than 10 degrees to the horizontal (R446)	787.00	m2		
G558		Page: 2 / 8		To Collection	0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
	<u>Topsoiling and Storage of Topsoil (Cont'd)</u>				
A	Topsoil 150mm deep to surfaces sloping at more than 10 degrees to the horizontal (Bridge Street)	16.00	m2		
B	Topsoil 150mm deep to surfaces sloping at more than 10 degrees to the horizontal (Grand Canal Roundabout)	97.00	m2		
C	Topsoil 150mm deep to surfaces sloping at more than 10 degrees to the horizontal (Harbour Road / Dunlo Hill)	494.00	m2		
D	Topsoil 150mm deep to surfaces sloping at more than 10 degrees to the horizontal (Harris Road / Breacarnach)	81.00	m2		
	<u>Grass Seeding and Turfing</u>				
E	Grass seeding to surfaces sloping at 10° or less to the horizontal (R446)	787.00	m2		
F	Grass seeding to surfaces sloping at 10° or less to the horizontal (Bridge Street)	16.00	m2		
G	Grass seeding to surfaces sloping at 10° or less to the horizontal (Grand Canal Roundabout)	97.00	m2		
H	Grass seeding to surfaces sloping at 10° or less to the horizontal (Harbour Road / Dunlo Hill)	494.00	m2		
I	Grass seeding to surfaces sloping at 10° or less to the horizontal (Harris Road / Breacarnach)	81.00	m2		
	<u>Trial Pits</u>				
J	Move equipment to trial pit location	10.00	nr		
K	Trial Pits 0m to 2m in depth	20.00	m3		
G558	Page: 2 / 9 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

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	53.00	m3		
	<u>Pavement</u>				
B	AC32 DENSE BIN 40/60 DES TO IS EN 13108-1 dense base course 100mm thick in accordance with Work Requirements CC-SPW-00900 CL 3.1.1	349.00	m2		
C	AC20 DENSE BIN 40/60 DES binder course 60mm thick, in accordance with Work Requirements TII-CC-SPW-00900 CL 3.1.4	349.00	m2		
D	AC20 DENSE BIN 40/60 DES binder course 60-135mm thick, in accordance with Work Requirements TII-CC-SPW-00900 CL 3.1.4	230.00	m2		
E	PMSMA SURF 10 65/105-60 DES surface course (Full Road Build Up) 45mm thick in carriageway, hard shoulder and hard strip in accordance with Works Requirements TII-CC-SPW-00900 CL. 5.1.1	349.00	m2		
F	PMSMA SURF 10 65/105-60 DES surface course (Ramp) 45mm thick in carriageway, hard shoulder and hard strip in accordance with Works Requirements TII-CC-SPW-00900 CL. 5.1.1	230.00	m2		
G	PMSMA SURF 14 65/105-60 DES surface course (Road Resurfacing) 45mm thick in carriageway, hard shoulder and hard strip in accordance with Works Requirements TII-CC-SPW-00900 CL. 5.1.1	520.00	m2		
	<u>Regulating Course</u>				
H	AC20 DENSE BIN 40/60 DES TO IS EN regulating course 25mm-40mm thick in carriageway, hard shoulder and hard strip	56.00	t		
	<u>Bond Coat</u>				
I	Tack Coat	2,198.00	m2		
	<u>Cold Milling</u>				
J	Cold milling (Planing) of existing carriageway surface to a depth exceeding 50mm but not exceeding 100mm	1,099.00	m2		
	<u>Reinstatement of Paved Areas</u>				
K	Reinstatement of paved area, PMSMA SURF 10 65/105-60 DES surface course 45mm thick, on 60mm thick AC20 dense 40/60 DES binder Course per TII-CC-SPW-00900 CL3.1.4, on 100mm thick AC32 dense BASE 40/60 DES per TII-CC-SPW-00900 CL 3.1.1 in carriageway, hard shoulder and hard strip in accordance with Works Requirements TII-CC-SPW-00900 CL. 5.1.1	787.00	m2		
G558	Page: 2 / 10 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

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	Pre-Cast concrete kerb 0-6mm upstand Type 1 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	39.00	m		
B	Pre-Cast concrete kerb 60mm upstand Type 3 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	432.00	m		
C	Pre-Cast concrete kerb 60mm upstand Type 3 curved not exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	15.00	m		
D	Kerbdrain C/Kerb BN305 Channel kerb 60mm upstand Type 4 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements.	464.00	m		
E	Kerbdrain C/Kerb BN305 Channel kerb 60mm Type 4 curved not exceeding 12 meter radius in accordance with Works Requirements.	10.00	m		
F	Kerbdrain C/Kerb BN305 Channel Transition kerb Type 5 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements.	15.00	m		
G	Pre-cast concrete kerb 125mm upstand Type 7 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	636.00	m		
H	Pre-cast concrete kerb 125mm upstand Type 7 curved not exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	10.00	m		
I	Pre-cast Kassel kerb 160mm upstand Type 8 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	52.00	m		
J	Pre-cast concrete transition kerb Type 9 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	42.00	m		
	<u>Additional Concrete for Kerbs, Channels, Edgings, Combined Drainage and Kerb Blocks and Linear Drainage Channel Systems</u>				
K	Additional C25/30 concrete surround to kerbs	100.00	m3		
	<u>Footways and Paved Areas</u>				
L	Footway Type 1 (Concrete Footway) as CC-SCD-01105, 200mm thick, comprising 100mm concrete to TII-CC-SPW-01100 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	1,505.00	m2		
G558	Page: 2 / 11 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
	Footways and Paved Areas (Cont'd)				
A	Footway Type 2 (Concrete Footway at Vehicular Access), 300mm thick, comprising 150mm concrete to TII-CC-SPW-01100 CL 1106 with A393 steel mesh, 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	49.00	m2		
B	Footway Type 3, Cyclepath Off Road, 225mm thick, comprising 25mm SMA 6 SURF PMB 65/105-60 DES surface course to TII-CC-SPW-00900 with red granule oxide additive 3.5%-4% by mass, on 50mm AC20 DENSE BIN 70/100 DES base course to TII-CC-SPW-00900 CL 3.1.5, on 150mm sub-base to UGM Ac to TII-CC-SPW-00800 CL 2.1.2 on Terram T1000 or similar approved permeable geotextile	85.00	m2		
C	Footway Type 4, Cyclepath at Vehicular Crossover, 350mm thick, comprising 25mm SMA 6 SURF PMB 65/105-60 DES surface course to TII-CC-SPW-00900 with red granule oxide additive 3.5%-4% by mass, on 50mm AC20 DENSE BIN 70/100 DES binder course to TII-CC-SPW-00900 CL 3.1.5, on 200-275mm 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.	1,178.00	m2		
D	Footway Type 5 (Shared Surface) as CC-SCD-01105, 200mm thick, comprising 100mm concrete to TII-CC-SPW-01100 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	101.00	m2		
E	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	14.00	m2		
F	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	38.00	m2		
G	Tactile paving, 180mm thick, comprising 50mm thick tramline/ladder tactile paving buff in colour, on 30mm laying course 30N/MM2 in accordance with Table 3 of BS 7533-12:2006, jointing material 40N/MM2 in accordance with Table 2 of BS EN 7533-12:2006, on 100mm thick C32/40 concrete roadbase as per Table B.2 of BS 7533-12:2006, surface sloping 10 degree or less to the horizontal with brushed finish	83.00	m2		
G558		Page: 2 / 12	To Collection		0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
A	<u>Street Furniture</u>				
	Street Furniture, cycle racks, 316 grade stainless steel with brushed polish finish with 0.30m x 0.30m concrete foundations Class C16/20, in accordance with drawing G558-OCSC-XX-XX-DR-C-01114	16.00	nr		
G558	Page: 2 / 13 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 1200 Traffic Signs and Road Markings</u>				
	<u>Traffic Signs</u>				
A	Permanent reflective traffic sign, W 130 "ROAD HUMP", 750mm on 1 x 2.3m x 76.1mm galvanised steel pole	16.00	nr		
B	Permanent reflective traffic sign, RUS 027 "STOP", 750mm on 1 x 2.3m x 76.1mm galvanised steel pole	7.00	nr		
C	Permanent reflective traffic sign, W 043 "Roundabout Ahead ", 750mm on 1 x 2.3m x 76.1mm galvanised steel pole	1.00	nr		
D	Permanent reflective traffic sign, W 143 "Cyclists", 750mm on 1 x 2.3m x 76.1mm galvanised steel pole	4.00	nr		
E	Permanent reflective traffic sign, RUS 043 "50 km/h Speed Limit", on 1 x 2.3m x 76.1mm galvanised steel pole in accordance with CC-SCD-05119	3.00	nr		
F	Permanent reflective traffic sign, RUS 026 "Yield", on 1 x 2.3m x 76.1mm galvanised steel pole in accordance with CC-SCD-05119	7.00	nr		
G	Permanent reflective traffic sign, RUS 058 "SHARED TRACK", 450mm on 1 x 2.3m x 76.1mm galvanised steel pole	6.00	nr		
H	Permanent reflective traffic sign, RUS 058CL "CYCLE TRACK ON LEFT", 450mm on 1 x 2.3m x 76.1mm galvanised steel pole	8.00	nr		
I	Permanent reflective traffic sign, RUS 058CR "CYCLE TRACK ON RIGHT", 450mm on 1 x 2.3m x 76.1mm galvanised steel pole	9.00	nr		
J	Permanent retroreflective traffic sign as W143 and W130 of Traffic Signs Manual and 1200 series drawings on 1 x 2.3m x 76.1mm galvanised steel pole	1.00	nr		
K	Permanent retroreflective traffic sign as RUS 009 and P010 of Traffic Signs Manual and 1200 series drawings on 1 x 2.3m x 76.1mm galvanised steel pole	1.00	nr		
L	Permanent retroreflective traffic sign as RUS 058 and P010 of Traffic Signs Manual and 1200 series drawings on 1 x 2.3m x 76.1mm galvanised steel pole	6.00	nr		
M	Permanent retroreflective traffic sign as W 007LR "Staggered Junctions Left/Right " and "New Junction Layout Ahead" of Traffic Signs Manual and 1200 series drawings on 1 x 2.3m x 76.1mm galvanised steel pole	1.00	nr		
	<u>Pedestrian Crossings</u>				
N	Permanent pedestrian crossings located on Breacarnach Road as shown on drawing G558-OCSC-XX-XX-DR-C-00521.	1.00	nr		
O	Permanent pedestrian crossings located on Harris Road as shown on drawing G558-OCSC-XX-XX-DR-C-01201.	1.00	nr		
G558	Page: 2 / 14 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
	<u>Pedestrian Crossings (Cont'd)</u>				
A	Permanent pedestrian crossings located on Dunlo Hill as shown on drawing G558-OCSC-XX-XX-DR-C-01201.	1.00	nr		
B	Permanent pedestrian crossings located on Dunlo Hill as shown on drawing G558-OCSC-XX-XX-DR-C-01203.	1.00	nr		
C	Permanent pedestrian crossings located on Harbour Road as shown on drawing G558-OCSC-XX-XX-DR-C-01204.	1.00	nr		
D	Permanent pedestrian crossings located on Grand Canal Roundabout as shown on drawing G558-OCSC-XX-XX-DR-C-01206.	4.00	nr		
E	Permanent pedestrian crossings located on R446 as shown on drawing G558-OCSC-XX-XX-DR-C-01207.	1.00	nr		
F	Permanent pedestrian crossings located on R446 as shown on drawing G558-OCSC-XX-XX-DR-C-01209.	1.00	nr		
G	Permanent pedestrian crossings located on Bridge Street as shown on drawing G558-OCSC-XX-XX-DR-C-00530.	1.00	nr		
	<u>Road Markings</u>				
H	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	575.00	m		
I	Intermittent centre line 100mm in white thermoplastic screed with 100mm gaps with applied solid beads as per RRM 002B of Traffic Signs Manual and 1200 series drawings	585.00	m		
J	Intermittent warning centre line 100mm with 1m spacing, in white thermoplastic screed with applied glass beads 100mm as per RRM 002D of Traffic Signs Manual and 1200 series drawings	185.00	m		
K	Continuous line 100mm in yellow thermoplastic screed with two parallel continuous yellow lines approximately 100mm apart extending along edge of roadway as per RRM 008 of Traffic Signs Manual and 1200 series drawings	40.00	m		
L	Continuous two continuous terminal markings of 50mm with 100mm apart and single continuous transverse line at ends of individual parking spaces in white thermoplastic screed with applied solid glass beads 100mm as RRM 016 in accordance with Traffic Signs Manual and 1200 series drawings	356.00	m		
M	Continuous centre line 100mm in white thermoplastic screed with applied solid glass beads 100mm as RRM 017 in accordance with Traffic Signs Manual and 1200 series drawings	45.00	m		
G558					

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
	Road Markings (Cont'd)				
A	Intermittent warning yield line 200mm with 1m spacing, in white thermoplastic screed with applied glass beads 100mm as per RRM 0018 of Traffic Signs Manual and 1200 series drawings	87.00	m		
B	Intermittent cycle yield line 100mm in white thermoplastic screed with 100mm gaps with applied solid beads as per RRM 018C of Traffic Signs Manual and 1200 series drawings	37.00	m		
C	Intermittent warning line 100mm with 1m spacing, in white thermoplastic screed with applied glass beads 100mm as per RRM 019 of Traffic Signs Manual and 1200 series drawings	45.00	m		
D	Continuous warning box marking line 200mm, in yellow thermoplastic screed with applied glass beads 100mm as per RRM 020 of Traffic Signs Manual and 1200 series drawings	435.00	m		
E	Continuous diagonal Hatch Line Marking 100mm in white thermoplastic screed with applied solid glass beads 100mm as per RRM 021 of Traffic Signs Manual and 1200 series drawings	488.00	m		
F	Continuous cycle track edge line 100mm, in white thermoplastic screed with applied glass beads 100mm as per RRM 022 of Traffic Signs Manual and 1200 series drawings	1,114.00	m		
G	Intermittent cycle track edge line 100mm with 100mm gaps, in white thermoplastic screed with applied glass beads 100mm as per RRM 023 of Traffic Signs Manual and 1200 series drawings	1,015.00	nr		
H	Intermittent edge of carriageway line 100mm in yellow thermoplastic screed with 100mm gaps with applied solid beads as per RRM 025 of Traffic Signs Manual and 1200 series drawings	298.00	m		
I	Continuous line 150mm in yellow thermoplastic screed to road with applied solid glass beads 150mm as per RRM 026 of Traffic Signs Manual and 1200 series drawings	48.00	m		
J	Bus Stop Marking as per RRM 030 of the Traffic Signs Manual and 1200 series drawings, 18m long x 3.5m wide, consisting of 7m continuous white line marking in thermoplastic screed with applied solid glass beads 100mm, 18m intermittent white line marking in thermoplastic screed with applied solid glass beads 100mm all in accordance with paragraph 7.7.1 of Traffic Signs Manual	165.00	m		
K	Symbols in white thermoplastic screed with applied solid beads "AHEAD / CROSSING / CAUTION" wording 1.6m in length as per M105 of Traffic Signs Manual and 1200 series drawings	20.00	nr		
G558	Page: 2 / 16 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
	Road Markings (Cont'd)				
A	Symbols in white thermoplastic screed with applied solid beads "SLOW" wording 1.6m in length as per M 106C of Traffic Signs Manual and 1200 series drawings	64.00	nr		
B	Symbols in white thermoplastic screed with applied solid beads, Pedestrian Symbol as per M 111 of Traffic Signs Manual and 1200 series drawing	13.00	nr		
C	Symbols in white thermoplastic screed with applied solid beads "Traffic Calming Triangle" as per M 112 of Traffic Signs Manual and 1200 series drawings	63.00	nr		
D	Symbols in white thermoplastic screed with applied solid beads "STOP" wording as per M114 of the Traffic Signs Manual and 1200 series drawings	36.00	nr		
E	Symbols in white thermoplastic screed with applied solid beads "Yield" as per M115 of the Traffic Signs Manual and 1200 series drawings	7.00	nr		
F	Symbols in white thermoplastic screed with applied solid beads "Triangular Yield Mark" as per M 115C of Traffic Signs Manual and 1200 series drawings	22.00	nr		
G	Symbols in white thermoplastic screed with applied solid beads "Cycle Symbol " 1.2m x 0.75m as per M 116 of Traffic Signs Manual and 1200 series drawings	104.00	nr		
H	Symbols in white thermoplastic screed with applied solid beads "Cycle Direction Arrow" as per M 118 of Traffic Signs Manual and 1200 series drawings	17.00	nr		
I	Symbols in white thermoplastic screed with applied solid beads "BUS" wording 1.6m in length as per RRM 030 of Traffic Signs Manual and 1200 series drawings	24.00	nr		
J	Symbols Hazard Warning, in white thermoplastic screed with applied solid beads as per Traffic Signs Manual and 1200 series drawings	17.00	nr		
K	Removal of 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	642.00	m		
L	Removal of intermittent centre line 100mm in white thermoplastic screed with 100mm gaps with applied solid beads as per RRM 002B of Traffic Signs Manual and 1200 series drawings	314.00	m		
M	Removal of continuous line 100mm in yellow thermoplastic screed with two parallel continuous yellow lines approximately 100mm apart extending along edge of roadway as per RRM 008 of Traffic Signs Manual and 1200 series drawings	892.00	m		
G558	Page: 2 / 17 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
	Road Markings (Cont'd)				
A	Removal of continuous two continuous terminal markings of 50mm with 100mm apart and single continuous transverse line at ends of individual parking spaces in white thermoplastic screed with applied solid glass beads 100mm as RRM 016 in accordance with Traffic Signs Manual and 1200 series drawings	77.00	m		
B	Removal of continuous centre line 100mm in white thermoplastic screed with applied solid glass beads 100mm as RRM 017 in accordance with Traffic Signs Manual and 1200 series drawings	149.00	m		
C	Removal of intermittent warning yield line 200mm with 1m spacing, in white thermoplastic screed with applied glass beads 100mm as per RRM 0018 of Traffic Signs Manual and 1200 series drawings	3.00	m		
D	Removal of intermittent warning line 100mm with 1m spacing, in white thermoplastic screed with applied glass beads 100mm as per RRM 019 of Traffic Signs Manual and 1200 series drawings	55.00	m		
E	Removal of continuous warning box marking line 200mm, in yellow thermoplastic screed with applied glass beads 100mm as per RRM 020 of Traffic Signs Manual and 1200 series drawings	30.00	m		
F	Removal of continuous diagonal Hatch Line Marking 100mm in white thermoplastic screed with applied solid glass beads 100mm as per RRM 021 of Traffic Signs Manual and 1200 series drawings	1,997.00	m		
G	Removal of intermittent zebra crossing line 500mm with 500mm spacing, in white thermoplastic screed with applied glass beads 500mm as per RPC 001 of Traffic Signs Manual and 1200 series drawings	2.00	nr		
H	Removal of 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	50.00	m		
I	Removal of symbols in white thermoplastic screed with applied solid beads "AHEAD / CROSSING / CAUTION" wording 1.6m in length as per M105 of Traffic Signs Manual and 1200 series drawings	20.00	nr		
J	Removal of symbols in white thermoplastic screed with applied solid beads "SLOW" wording 1.6m in length as per M 106C of Traffic Signs Manual and 1200 series drawings	29.00	nr		
K	Removal of symbols in white thermoplastic screed with applied solid beads "STOP" wording as per M114 of the Traffic Signs Manual and 1200 series drawings	32.00	nr		
L	Removal of symbols in white thermoplastic screed with applied solid beads "Yield" as per M115 of the Traffic Signs Manual and 1200 series drawings	4.00	nr		
G558		Page: 2 / 18		To Collection	0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
	Road Markings (Cont'd)				
A	Removal of symbols in white thermoplastic screed with applied solid beads "Cycle Direction Arrow" as per M 118 of Traffic Signs Manual and 1200 series drawings	33.00	nr		
B	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	95.00	m		
C	Intermittent elephant feet crossing line 400mm with 400mm spacing, in white thermoplastic screed with applied glass beads 400mm as per Traffic Signs Manual, NTA Cycle Design Manual and 1200 series drawings	146.00	m		
D	Intermittent zebra crossing line 500mm with 500mm spacing, in white thermoplastic screed with applied glass beads 500mm as per RPC 001 of Traffic Signs Manual and 1200 series drawings	14.00	nr		
G558				To Collection	0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
A	<u>Series 1300 Road Lighting Columns and Brackets</u>	4.00	nr		
	<u>Road Lighting Columns and Brackets, Wall Mountings</u>				
	Luminaire Type A, with Lighting AXIA 3.2 5267 32 OSLON Square Giant @ 600mA to new road lighting column 8m high,, in accordance drawing G558-OCSC- XX-XX-DR-C-1311				
G558	Page: 2 / 20 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 1400 Electrical Work for Road Lighting Traffic Signs</u>				
	<u>Cabling</u>				
A	Cable, 6SQ 3 core PVC/SWA/PVC in carriageways, footways and paved areas	451.00	m		
B	Cable, 6SQ 3 core PVC/SWA/PVC in carriageways, footways and paved areas (Part 3)	70.00	m		
C	Cable, 6SQ 3 core PVC/SWA/PVC in carriageways, footways and paved areas (Part 4)	212.00	m		
D	Cable, 6SQ 3 core PVC/SWA/PVC in carriageways, footways and paved areas (Part 5)	238.00	m		
E	Cable, 6SQ 3 core PVC/SWA/PVC in carriageways, footways and paved areas (Part 6)	130.00	m		
	<u>Cable Joints and Terminations</u>				
F	Cable Joint, 6SQ, 3 core PVC/SWA/PVC	28.00	nr		
G	Cable terminations, 6SQ , 3 core PVC/SWA/PVC	28.00	nr		
	<u>Feeder Pillars</u>				
H	Micro-Pillar including vault,cover and frame to ESB requirements and standards.	11.00	nr		
I	Mini Pillar including vault,cover and frame to ESB requirements and standards in accordance with drawing G558-OCSC-XX-XX-DR-C-00532	11.00	nr		
	<u>Earth Electrodes</u>				
J	Earth Electrodes	5.00	nr		
G558	Page: 2 / 21 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 1700 Structural Concrete</u>				
	<u>In Situ Concrete</u>				
A	In situ concrete Class C30/37 Bus Shelter Foundation	2.30	m3		
	<u>Surface Finish of Concrete - Formwork</u>				
B	Formwork Vertical more than 300mm wide F2	6.00	m2		
	<u>Reinforcement for Reinforced and Anchored Earth Structures</u>				
C	Bar reinforcement B16 nominal size 16mm and under not exceeding 12metres in length	0.20	t		
D	Bar reinforcement B20 nominal size 20mm and under not exceeding 12metres in length	0.10	t		
G558	Page: 2 / 22 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 2700 Watermains, Utilities and Accommodation Works</u>				
	<u>Watermain</u>				
A	Watermains, DN 450mm or under HDPE PE100 SDR17 PN10 watermain on bed Type B in trench depth to invert not exceeding 2 metres average depth to invert 1.2 m	10.00	m		
	<u>Connections</u>				
B	Connection of DN 90mm diameter watermain to existing DN 450mm or under, watermain depth to invert exceeding 1 metre not exceeding 2 metres.	1.00	nr		
	<u>Pipe Fittings</u>				
C	Tee 450mm to 450mm to 90mm nominal bore	1.00	nr		
D	Dismantling Joint nominal bore : 90 - 250mm	2.00	nr		
E	Fitting Straight Specials Nominal bore : 90 - 250mm	2.00	nr		
F	Fittings Puddle Flange Nominal bore : 90 - 250mm	2.00	nr		
G	Double Flanged, duckfoot bend : 90 - 80 mm diameter	1.00	nr		
	<u>Valves and Penstocks</u>				
H	Valves and Penstocks Air valve Nominal bore : 90 - 250mm Fitting without puddle flanges	1.00	nr		
	<u>Chambers</u>				
I	Chamber specified design group for FH exceeding 1 metre but not exceeding 2 metres and frame depth to invert with Class D400 cover and frame painted yellow	1.00	nr		
	<u>Thrust Block</u>				
J	Thrust block Volume : 1 - 2 m3	2.00	nr		
G558	Page: 2 / 23 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 2900 CCTV Survey of Road Drainage Systems</u>				
	<u>CCTV Survey of Road Drainage Systems</u>				
A	Site establishment	5.00	item		
B	Provision of report	1.00	item		
C	Surveying of drains Depth to invert not exceeding 6 metres Diameters exceeding 125mm but not exceeding 475mm	650.00	m		
D	Surveying of drains Depth to invert not exceeding 6 metres Diameters not exceeding 125mm	650.00	m		
E	Extra over for use of a rodding camera for surveying of drains Depth to invert not exceeding 6 metres Diameters exceeding 125mm but not exceeding 475mm	650.00	m		
F	Extra over for use of a pan and tilt camera for surveying of drains Depth to invert not exceeding 6 metres Diameters exceeding 125mm but not exceeding 475mm	650.00	m		
G558	Page: 2 / 24 To Collection				0.00

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
A	Series 3000 Landscaping Landscaping Ornamental Planting, planting mix consisting of Deschampsia caespitosa 'Schottland' 1%, Filipendula vulgaris 'Plena' 3%, Gypsophila paniculata 'Festival White' 1%, Molinia caerulea 'Edit Dudsuz' 4%, Achillea millefolium 'Paprika' 6%, Aster amellus 'Veilchenkonigin' 4%, Buphthalmum salicifolium 'Alpengold' 4%, Campanula per. 'Grandiflora Coerulea' 4%, Deschampsia caespitosa 'Palava' 4%, Euphorbia polychroma 'Bonfire' 4%, Geranium pratense 'Midnight Reiter' 4%, Inula ensifolia 'Compacta' 4%, Iris x barbata 3%, Origanum vulgore 'Aureum' 3%, Salvia nemorosa Caradonna' 5%, Salvia pratensis 'Swan Lake' 3%, Sedum 'Black Jack' 4%, Veronica teucrium 'Kapitan' 4%, Anemone sylvestris 'Flore Pleno' 6%, Dianthus deltoides 'Brilliant' 5%, Geranium sanguineum 'Striatum' 6%, Prunella grandiflora 'Rubra' 6%, Thymus praecox Atropurpurea 6%, Catananche caerulea 2%, Verbascum nigrum 'Album' 1%, Verbascum phoeniceum 'Southern Charm' 3%. Additional bulbers and tubers: Allium roseum 4 un. per m2, Allium neapolitanum 3 un. per m2, Iris reticulata 'Purple Gem' 2 un. per m2, Iris danfordiae 2 un. per m2, Muscari botryoides 'Superstar' 3 un. per m2, Gladiolus communis 2 un. per m2, Tulipa praestans 'Unicum' 4 un. per m2, Tulipa tarda 4 un. per m2, in accordance with drawing G558-OCSC-XX-XX-DR-C-03000 to G558-OCSC-XX-XX-DR-C-03010 (R446)	195.00	m2		
	B Ornamental Planting, planting mix consisting of Deschampsia caespitosa 'Schottland' 1%, Filipendula vulgaris 'Plena' 3%, Gypsophila paniculata 'Festival White' 1%, Molinia caerulea 'Edit Dudsuz' 4%, Achillea millefolium 'Paprika' 6%, Aster amellus 'Veilchenkonigin' 4%, Buphthalmum salicifolium 'Alpengold' 4%, Campanula per. 'Grandiflora Coerulea' 4%, Deschampsia caespitosa 'Palava' 4%, Euphorbia polychroma 'Bonfire' 4%, Geranium pratense 'Midnight Reiter' 4%, Inula ensifolia 'Compacta' 4%, Iris x barbata 3%, Origanum vulgore 'Aureum' 3%, Salvia nemorosa Caradonna' 5%, Salvia pratensis 'Swan Lake' 3%, Sedum 'Black Jack' 4%, Veronica teucrium 'Kapitan' 4%, Anemone sylvestris 'Flore Pleno' 6%, Dianthus deltoides 'Brilliant' 5%, Geranium sanguineum 'Striatum' 6%, Prunella grandiflora 'Rubra' 6%, Thymus praecox Atropurpurea 6%, Catananche caerulea 2%, Verbascum nigrum 'Album' 1%, Verbascum phoeniceum 'Southern Charm' 3%. Additional bulbers and tubers: Allium roseum 4 un. per m2, Allium neapolitanum 3 un. per m2, Iris reticulata 'Purple Gem' 2 un. per m2, Iris danfordiae 2 un. per m2, Muscari botryoides 'Superstar' 3 un. per m2, Gladiolus communis 2 un. per m2, Tulipa praestans 'Unicum' 4 un. per m2, Tulipa tarda 4 un. per m2, in accordance with drawing G558-OCSC-XX-XX-DR-C-03000 to G558-OCSC-XX-XX-DR-C-03010 (Grand Canal Roundabout)	103.00	m2		
G558	Page: 2 / 25 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
A	Landscaping (Cont'd) Ornamental Planting, planting mix consisting of Deschampsia caespitosa 'Schottland' 1%, Filipendula vulgaris 'Plena' 3%, Gypsophila paniculata 'Festival White' 1%, Molinia caerulea 'Edit Dudsuz' 4%, Achillea millefolium 'Paprika' 6%, Aster amellus 'Veilchenkonigin' 4%, Buphthalmum salicifolium 'Alpengold' 4%, Campanula per. 'Grandiflora Coerulea' 4%, Deschampsia caespitosa 'Palava' 4%, Euphorbia polychroma 'Bonfire' 4%, Geranium pratense 'Midnight Reiter' 4%, Inula ensifolia 'Compacta' 4%, Iris x barbata 3%, Origanum vulgore 'Aureum' 3%, Salvia nemorosa Caradonna' 5%, Salvia pratensis 'Swan Lake' 3%, Sedum 'Black Jack' 4%, Veronica teucrium 'Kapitan' 4%, Anemone sylvestris 'Flore Pleno' 6%, Dianthus deltoides 'Brilliant' 5%, Geranium sanguineum 'Striatum' 6%, Prunella grandiflora 'Rubra' 6%, Thymus praecox Atropurpurea 6%, Catananche caerulea 2%, Verbascum nigrum 'Album' 1%, Verbascum phoeniceum 'Southern Charm' 3%. Additional bulbers and tubers: Allium roseum 4 un. per m2, Allium neapolitanum 3 un. per m2, Iris reticulata 'Purple Gem' 2 un. per m2, Iris danfordiae 2 un. per m2, Muscari botryoides 'Superstar' 3 un. per m2, Gladiolus communis 2 un. per m2, Tulipa praestans 'Unicum' 4 un. per m2, Tulipa tarda 4 un. per m2, in accordance with drawing G558-OCSC-XX-XX-DR-C-03000 to G558-OCSC-XX-XX-DR-C-03010 (Harbour Road / Dunlo Hill)	115.00	m2		
B	Groundcover, evergreen/low maintenance groundcover plant palette species, planting mix consisting of Alchemilla mollis 6%, Anemone thele lessoniana 8%, Bergenia Dragonfly Angel Kiss 6%, Hypericum calycinum 10%, Luzula nivea 8%, Pachysandra terminalis 10%, Persicaria affinis Darjeeling Red 4%, Vinca minor 8%, Hypericum Hidcote' 10%, Lonicera pileata 10%, Viburnum tinus Eve Price' 10%, Acanthus mollis 5%, Dryopteris 'Filix-mas' 5%. Additional bulbers and tubers: Galanthus nivalis 15 un. per m2, Narcissus 'February Gold' 75 un. per m2, in accordance with drawing G558-OCSC-XX-XX-DR-C-03000 to G558-OCSC-XX-XX-DR-C-03010 (R446)	155.00	m2		
C	Groundcover, evergreen/low maintenance groundcover plant palette species, planting mix consisting of Alchemilla mollis 6%, Anemone thele lessoniana 8%, Bergenia Dragonfly Angel Kiss 6%, Hypericum calycinum 10%, Luzula nivea 8%, Pachysandra terminalis 10%, Persicaria affinis Darjeeling Red 4%, Vinca minor 8%, Hypericum Hidcote' 10%, Lonicera pileata 10%, Viburnum tinus Eve Price' 10%, Acanthus mollis 5%, Dryopteris 'Filix-mas' 5%. Additional bulbers and tubers: Galanthus nivalis 15 un. per m2, Narcissus 'February Gold' 75 un. per m2, in accordance with drawing G558-OCSC-XX-XX-DR-C-03000 to G558-OCSC-XX-XX-DR-C-03010 (Harbour Road / Dunlo Hill)	365.00	m2		
G558	Page: 2 / 26 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

Ref	Description	Qty	Unit	Rate	Amount
	Landscaping (Cont'd)				
A	Groundcover, evergreen/low maintenance groundcover plant palette species, planting mix consisting of Alchemilla mollis 6%, Anemone thelesoniana 8%, Bergenia Dragonfly Angel Kiss 6%, Hypericum calycinum 10%, Luzula nivea 8%, Pachysandra terminalis 10%, Persicaria affinis Darjeeling Red 4%, Vinca minor 8%, Hypericum Hidcote' 10%, Lonicera pileata 10%, Viburnum tinus Eve Price' 10%, Acanthus mollis 5%, Dryopteris 'Felix-mas' 5%. Additional bulbous and tubers: Galanthus nivalis 15 un. per m2, Narcissus 'February Gold' 75 un. per m2, in accordance with drawing G558-OCSC-XX-XX-DR-C-03000 to G558-OCSC-XX-XX-DR-C-03010 (Harbour Road / Dunlo Hill)	87.00	m2		
B	Pollinator friendly grass seed mix, native Irish wildflower seed mixture DW01 Short cut floral lawn by wildflowers.ie or similar approved, in accordance with drawing G558-OCSC-XX-XX-DR-C-03000 to G558-OCSC-XX-XX-DR-C-03010 (R446)	457.00	m2		
C	Pollinator friendly grass seed mix, native Irish wildflower seed mixture DW01 Short cut floral lawn by wildflowers.ie or similar approved, in accordance with drawing G558-OCSC-XX-XX-DR-C-03000 to G558-OCSC-XX-XX-DR-C-03010 (Bridge Street)	22.00	m2		
D	Pollinator friendly grass seed mix, native Irish wildflower seed mixture DW01 Short cut floral lawn by wildflowers.ie or similar approved, in accordance with drawing G558-OCSC-XX-XX-DR-C-03000 to G558-OCSC-XX-XX-DR-C-03010 (Harbour Road / Dunlo Hill)	33.00	m2		
G558	Page: 2 / 27 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 2 - Roadworks General R446

	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 2700 Watermains, Utilities and Accommodation Works	0.00
	Series 2900 CCTV Survey of Road Drainage Systems	0.00
	Series 3000 Landscaping	0.00
G558	Page: 2 / 28 To Summary	0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 3 - Bridge Street

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 500 Drainage and Service Ducts</u>				
	<u>Drains, Sewers, Piped Culverts and Service Ducts (Excluding Filter Drains, Narrow Filter Drains & Fin Drains)</u>				
A	2 x 110mm internal diameter service duct (Traffic Lighting), depths to invert not exceeding 2 metres average, depth to invert 1 metre in trench under Non-Trafficked Areas (CC-SCD-00562) Type C	25.00	m		
B	2 x 110mm internal diameter service ducts,(Traffic Lighting), depths to invert not exceeding 2 metres average, depth to invert 1 metre in trench under Trafficked Areas (CC-SCD-00561) Type A.	10.00	m		
	<u>Renewal, Raising or Lowering Covers and Gratings on Existing Chambers and Gullies</u>				
C	Raising or lowering covers on existing SV chambers, exceeding 150mm but not exceeding 300mm, cover size not exceeding 1m2,	2.00	nr		
D	Raising or lowering covers on existing inspection chambers, exceeding 150mm but not exceeding 300mm, cover size not exceeding 1m2,	2.00	nr		
E	Raising or lowering covers on existing Manhole chambers, exceeding 150mm but not exceeding 300mm, cover size not exceeding 1m2,	1.00	nr		
	<u>Surface Water Drainage</u>				
F	150mm internal diameter uPVC road gully connection pipes in trench to proposed drainage ditch. Trench and bedding details to be as per CC-SCD-00521-02 Type Z. Depth to invert exceeding 1 metre, not exceeding 2 metre	11.00	m		
	<u>Connections</u>				
G	Connection to existing drain, chambers, sewer or piped and stone culvert 150mm internal diameter, Depth not exceeding 2 metres	3.00	nr		
	<u>Chambers and Gullies</u>				
H	Precast Concrete Gully - (CC-SCD-00510) Depth not exceeding 1 metre, D400 cover and grating drawing G558-OCSC-XX-XX-DR-C-00513	3.00	nr		
I	Chamber, Type JB4, 915mm X 445mm internal diameter, cover size 915mm x 445mm Class D400 IS/EN 124, depth not exceeding 1 metre, in accordance with G558-OCSC-10-XX-DR-C-0531	1.00	nr		
J	Chamber, Inspection Chamber with D400 cover and frame, Type A CC-SCD-00565, Depths to invert exceeding 1 metre but not exceeding 2 metres	1.00	nr		
G558		Page: 3 / 1		To Collection	0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 3 - Bridge Street

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 700 Pavements</u>				
	<u>Pavement</u>				
A	AC20 DENSE BIN 40/60 DES binder course 60-135mm thick, in accordance with Work Requirements TII-CC-SPW-00900 CL 3.1.4	86.00	m2		
B	PMSMA SURF 10 65/105-60 DES surface course (Ramp) 45mm thick in carriageway, hard shoulder and hard strip in accordance with Works Requirements TII-CC-SPW-00900 CL. 5.1.1	86.00	m2		
C	PMSMA SURF 14 65/105-60 DES surface course (Road Resurfacing) 45mm thick in carriageway, hard shoulder and hard strip in accordance with Works Requirements TII-CC-SPW-00900 CL. 5.1.1	350.00	m2		
	<u>Regulating Course</u>				
D	AC20 DENSE BIN 40/60 DES TO IS EN regulating course 25mm-40mm thick in carriageway, hard shoulder and hard strip	32.00	t		
	<u>Bond Coat</u>				
E	Tack Coat	872.00	m2		
	<u>Cold Milling</u>				
F	Cold milling (Planing) of existing carriageway surface to a depth exceeding 50mm but not exceeding 100mm	436.00	m2		
	<u>Reinstatement of Paved Areas</u>				
G	Reinstatement of paved area, PMSMA SURF 10 65/105-60 DES surface course 45mm thick on 60mm thick AC20 dense 40/60 DES binder Course per TII-CC-SPW-00900 CL3.1.4, on 100mm thick AC32 dense BASE 40/60 DES per TII-CC-SPW-00900 CL 3.1.1 in carriageway, hard shoulder and hard strip in accordance with Works Requirements TII-CC-SPW-00900 CL. 5.1.1	134.00	m2		
G558	Page: 3 / 2 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 3 - Bridge Street

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	Pre-Cast concrete kerb 0-6mm upstand Type 1 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	8.00	m		
B	Pre-cast concrete kerb 125mm upstand Type 7 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	90.00	m		
C	Pre-cast concrete transition kerb Type 9 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	10.00	m		
	<u>Additional Concrete for Kerbs, Channels, Edgings, Combined Drainage and Kerb Blocks and Linear Drainage Channel Systems</u>				
D	Additional C25/30 concrete surround to kerbs	7.00	m3		
	<u>Footways and Paved Areas</u>				
E	Footway Type 1 (Concrete Footway) as CC-SCD-01105, 200mm thick, comprising 100mm concrete to TII-CC-SPW-01100 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	160.00	m2		
F	Footway Type 5 (Shared Surface) as CC-SCD-01105, 200mm thick, comprising 100mm concrete to TII-CC-SPW-01100 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	180.00	m2		
G	Cyclepath On Road, 80mm thick, comprising 40mm SMA 6 SURF PMB 65/105-60 DES surface course to TII-CC-SPW-00900 with red granule oxide additive 3.5%-4% by mass, on 40mm max 15mm min AC20 DENSE BIN 40/60 DES Binder/Regulating Course	124.00	m2		
H	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	13.00	m2		
G558					

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 3 - Bridge Street

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, 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	15.00	m2		
B	Tactile paving, 180mm thick, comprising 50mm thick tramline/ladder tactile paving buff in colour, on 30mm laying course 30N/MM2 in accordance with Table 3 of BS 7533-12:2006, jointing material 40N/MM2 in accordance with Table 2 of BS EN 7533-12:2006, on 100mm thick C32/40 concrete roadbase as per Table B.2 of BS 7533-12:2006, surface sloping 10 degree or less to the horizontal with brushed finish	36.00	m2		
G558	Page: 3 / 4 To Collection				0.00

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MULTIDISCIPLINARY CONSULTING ENGINEERS

	Description	Amount
	Series 500 Drainage and Service Ducts	0.00
	Series 700 Pavements	0.00
	Series 1100 Kerbs, Footways and Paved Areas	0.00
G558		0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 4 - Grand Canal Roundabout

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 500 Drainage and Service Ducts</u>				
	<u>Drains, Sewers, Piped Culverts and Service Ducts (Excluding Filter Drains, Narrow Filter Drains & Fin Drains)</u>				
A	2 x 110mm internal diameter service duct (Traffic Lighting), depths to invert not exceeding 2 metres average, depth to invert 1 metre in trench under Non-Trafficked Areas (CC-SCD-00562) Type C	46.00	m		
B	2 x 110mm internal diameter service ducts,(Traffic Lighting), depths to invert not exceeding 2 metres average, depth to invert 1 metre in trench under Trafficked Areas (CC-SCD-00561) Type A.	60.00	m		
	<u>Renewal, Raising or Lowering Covers and Gratings on Existing Chambers and Gullies</u>				
C	Raising or lowering covers on existing chambers, exceeding 150mm but not exceeding 300mm, cover size not exceeding 1m2,	8.00	nr		
D	Raising or lowering covers on existing SV chambers, exceeding 150mm but not exceeding 300mm, cover size not exceeding 1m2,	1.00	nr		
E	Raising or lowering covers on existing FH chambers, exceeding 150mm but not exceeding 300mm, cover size not exceeding 1m2,	1.00	nr		
	<u>Surface Water Drainage</u>				
F	150mm internal diameter uPVC road gully connection pipes in trench to proposed drainage ditch. Trench and bedding details to be as per CC-SCD-00521-02 Type Z. Depth to invert exceeding 1 metre, not exceeding 2 metre	62.00	m		
	<u>Connections</u>				
G	Connection to existing drain, chambers, sewer or piped and stone culvert 150mm internal diameter, Depth not exceeding 2 metres	9.00	nr		
	<u>Chambers and Gullies</u>				
H	Precast Concrete Gully - (CC-SCD-00510) Depth not exceeding 1 metre, D400 cover and grating drawing G558-OCSC-10-XX-DR-C-00513	9.00	nr		
I	Chamber, Type JB4, 915mm X 445mm internal diameter, cover size 915mm x 445mm Class D400 IS/EN 124, depth not exceeding 1 metre, in accordance with G558-OCSC-XX-XX-DR-C-0531	4.00	nr		
G558	Page: 4 / 1 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 4 - Grand Canal Roundabout

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	4.00	m3		
	<u>Pavement</u>				
B	AC32 DENSE BIN 40/60 DES TO IS EN 13108-1 dense base course 100mm thick in accordance with Work Requirements CC-SPW-00900 CL 3.1.1	25.00	m2		
C	AC20 DENSE BIN 40/60 DES binder course 60mm thick, in accordance with Work Requirements TII-CC-SPW-00900 CL 3.1.4	25.00	m2		
D	AC20 DENSE BIN 40/60 DES binder course 60-135mm thick, in accordance with Work Requirements TII-CC-SPW-00900 CL 3.1.4	313.00	m2		
E	PMSMA SURF 10 65/105-60 DES surface course (Full Road Build Up) 45mm thick in carriageway, hard shoulder and hard strip in accordance with Works Requirements TII-CC-SPW-00900 CL. 5.1.1	25.00	m2		
F	PMSMA SURF 10 65/105-60 DES surface course (Ramp) 45mm thick in carriageway, hard shoulder and hard strip in accordance with Works Requirements TII-CC-SPW-00900 CL. 5.1.1	313.00	m2		
G	PMSMA SURF 14 65/105-60 DES surface course (Road Resurfacing) 45mm thick in carriageway, hard shoulder and hard strip in accordance with Works Requirements TII-CC-SPW-00900 CL. 5.1.1	388.00	m2		
	<u>Regulating Course</u>				
H	AC20 DENSE BIN 40/60 DES TO IS EN regulating course 25mm-40mm thick in carriageway, hard shoulder and hard strip	51.00	t		
	<u>Bond Coat</u>				
I	Tack Coat	1,452.00	m2		
	<u>Cold Milling</u>				
J	Cold milling (Planing) of existing carriageway surface to a depth exceeding 50mm but not exceeding 100mm	726.00	m2		
	<u>Reinstatement of Paved Areas</u>				
K	Reinstatement of paved area, PMSMA SURF 10 65/105-60 DES surface course 45mm thick on 60mm thick AC20 dense 40/60 DES binder Course per TII-CC-SPW-00900 CL3.1.4, on 100mm thick AC32 dense BASE 40/60 DES per TII-CC-SPW-00900 CL 3.1.1 in carriageway, hard shoulder and hard strip in accordance with Works Requirements TII-CC-SPW-00900 CL. 5.1.1	295.00	m2		
G558	Page: 4 / 2 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 4 - Grand Canal Roundabout

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	Pre-Cast concrete kerb 0-6mm upstand Type 1 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	45.00	m		
B	Pre-Cast concrete kerb 0-6mm upstand Type 1 curved not exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	10.00	m		
C	Pre-cast concrete kerb 125mm upstand Type 7 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	126.00	m		
D	Pre-cast concrete kerb 125mm upstand Type 7 curved not exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	30.00	m		
E	Pre-cast concrete transition kerb Type 9 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	39.00	m		
	<u>Additional Concrete for Kerbs, Channels, Edgings, Combined Drainage and Kerb Blocks and Linear Drainage Channel Systems</u>				
F	Additional C25/30 concrete surround to kerbs	15.00	m3		
	<u>Footways and Paved Areas</u>				
G	Footway Type 1 (Concrete Footway) as CC-SCD-01105, 200mm thick, comprising 100mm concrete to TII-CC-SPW-01100 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	123.00	m2		
H	Footway Type 5 (Shared Surface) as CC-SCD-01105, 200mm thick, comprising 100mm concrete to TII-CC-SPW-01100 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	275.00	m2		
I	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		
G558				To Collection	0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 4 - Grand Canal Roundabout

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, 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	61.00	m2		
G558	Page: 4 / 4 To Collection				0.00

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	Description	Amount
	Series 500 Drainage and Service Ducts	0.00
	Series 700 Pavements	0.00
	Series 1100 Kerbs, Footways and Paved Areas	0.00
G558		0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 5 - Harbour Road / Dunlo Hill

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 500 Drainage and Service Ducts</u>				
	<u>Drains, Sewers, Piped Culverts and Service Ducts</u>				
	<u>(Excluding Filter Drains, Narrow Filter Drains & Fin Drains)</u>				
A	S1 - S2 Line 1.001 225mm Concrete Storm Water Pipe, Work in trench to comply with ISEN 1916 & IS6 2004. Trench, bedding details to be as per drawing G558-OCSC-XX-XX-DR-C-00502 and CC-SCD-00521 trench Type T with the back fill materials to be clause 508 as noted in appendix 5/1 of the Works Requirement. Depth to invert not exceeding 2m, average depth metres 1.12m, in side slopes of cuttings or side slopes of embankments	46.00	m		
B	S2 - S3 Line 1.002 225mm Concrete Storm Water Pipe, Work in trench to comply with ISEN 1916 & IS6 2004. Trench, bedding details to be as per drawing G558-OCSC-XX-XX-DR-C-00502 and CC-SCD-00521 trench Type T with the back fill materials to be clause 508 as noted in appendix 5/1 of the Works Requirement. Depth to invert not exceeding 2m, average depth metres depth metres 1.24m, in side slopes of cuttings or side slopes of embankments	42.00	m		
C	S8 - S9 Line 2.001 225mm Concrete Storm Water Pipe, Work in trench to comply with ISEN 1916 & IS6 2004. Trench, bedding details to be as per drawing G558-OCSC-XX-XX-DR-C-00502 and CC-SCD-00521 trench Type T with the back fill materials to be clause 508 as noted in appendix 5/1 of the Works Requirement. Depth to invert not exceeding 2m, average depth metres 1.20m, in side slopes of cuttings or side slopes of embankments	77.00	m		
D	S9 - 10 Line 2.002 225mm Concrete Storm Water Pipe, Work in trench to comply with ISEN 1916 & IS6 2004. Trench, bedding details to be as per drawing G558-OCSC-XX-XX-DR-C-00502 and CC-SCD-00521 trench Type T with the back fill materials to be clause 508 as noted in appendix 5/1 of the Works Requirement. Depth to invert not exceeding 2m, average depth metres 1.10m, in side slopes of cuttings or side slopes of embankments	75.00	m		
E	S10 - 11 Line 2.003 225mm Concrete Storm Water Pipe, Work in trench to comply with ISEN 1916 & IS6 2004. Trench, bedding details to be as per drawing G558-OCSC-XX-XX-DR-C-00502 and CC-SCD-00521 trench Type T with the back fill materials to be clause 508 as noted in appendix 5/1 of the Works Requirement. Depth to invert not exceeding 2m, average depth metres 1.25m, in side slopes of cuttings or side slopes of embankments	30.00	m		
G558		Page: 5 / 1		To Collection	0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 5 - Harbour Road / Dunlo Hill

Ref	Description	Qty	Unit	Rate	Amount
	<u>Drains, Sewers, Piped Culverts and Service Ducts</u> <u>(Excluding Filter Drains, Narrow Filter Drains & Fin</u> <u>Drains) (Cont'd)</u>				
A	S11 - Existing Manhole (Dunlo Hill) Line 2.004 225mm Concrete Storm Water Pipe, Work in trench to comply with ISEN 1916 & IS6 2004. Trench, bedding details to be as per drawing G558-OCSC-XX-XX-DR-C-00502 and CC-SCD-00521 trench Type T with the back fill materials to be clause 508 as noted in appendix 5/1 of the Works Requirement. Depth to invert not exceeding 2m, average depth metres 1.25m, in side slopes of cuttings or side slopes of embankments	22.00	m		
B	2 x 110mm internal diameter service duct (Traffic Lighting), 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	46.00	m		
C	2 x 110mm internal diameter service duct (Public Lighting), 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	33.00	m		
D	2 x 110mm internal diameter service ducts,(Traffic Lighting), depths to invert not exceeding 2 metres average, depth to invert 1 metre in trench under Trafficked Areas (CC-SCD-00561) Type A.	30.00	m		
E	2 x 110mm internal diameter service ducts,(Public Lighting), depths to invert not exceeding 2 metres average, depth to invert 1 metre in trench under Trafficked Areas (CC-SCD-00561) Type A.	10.00	m		
	<u>Renewal, Raising or Lowering Covers and Gratings</u> <u>on Existing Chambers and Gullies</u>				
F	Raising or lowering covers on existing chambers, exceeding 150mm but not exceeding 300mm, cover size not exceeding 1m2,	30.00	nr		
G	Raising or lowering covers on existing SV chambers, exceeding 150mm but not exceeding 300mm, cover size not exceeding 1m2,	2.00	nr		
H	Raising or lowering covers on existing MH chambers, exceeding 150mm but not exceeding 300mm, cover size not exceeding 1m2,	4.00	nr		
I	Raising or lowering covers on existing Water Meter chambers, exceeding 150mm but not exceeding 300mm, cover size not exceeding 1m2,	13.00	nr		
G558		Page: 5 / 2		To Collection	0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 5 - Harbour Road / Dunlo Hill

Ref	Description	Qty	Unit	Rate	Amount
	<u>Surface Water Drainage</u>				
A	150mm internal diameter uPVC road gully connection pipes in trench to proposed drainage ditch. Trench and bedding details to be as per CC-SCD-00521-02 Type Z. Depth to invert exceeding 1 metre, not exceeding 2 metre	165.00	m		
	<u>Connections</u>				
B	Connection to existing drain, chambers, sewer or piped and stone culvert 150mm internal diameter, Depth not exceeding 2 metres	21.00	nr		
	<u>Chambers and Gullies</u>				
C	Precast Concrete Gully - (CC-SCD-00510) Depth not exceeding 1 metre, D400 cover and grating drawing G558-OCSC-XX-XX-DR-C-00513	21.00	nr		
D	Chamber, Access Chamber, 600mm x 600mm internal diameter, depth not exceeding 1 metre, in accordance with G558-OCSC-XX-XX-DR-C-00552	1.00	nr		
E	Chamber, Access Chamber, 600mm x 600mm internal diameter, depth not exceeding 1 metre, in accordance with G558-OCSC-XX-XX-DR-C-01312	2.00	nr		
F	Chamber, Type JB4, 915mm X 445mm internal diameter, cover size 915mm x 445mm Class D400 IS/EN 124, depth not exceeding 1 metre, in accordance with G558-OCSC-10-XX-DR-C-0531	4.00	nr		
G558	Page: 5 / 3 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 5 - Harbour Road / Dunlo Hill

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	15.00	m3		
	<u>Pavement</u>				
B	AC32 DENSE BIN 40/60 DES TO IS EN 13108-1 dense base course 100mm thick in accordance with Work Requirements CC-SPW-00900 CL 3.1.1	100.00	m2		
C	AC20 DENSE BIN 40/60 DES binder course 60mm thick, in accordance with Work Requirements TII-CC-SPW-00900 CL 3.1.4	100.00	m2		
D	AC20 DENSE BIN 40/60 DES binder course 60-135mm thick, in accordance with Work Requirements TII-CC-SPW-00900 CL 3.1.4	230.00	m2		
E	PMSMA SURF 10 65/105-60 DES surface course (Full Road Build Up) 45mm thick in carriageway, hard shoulder and hard strip in accordance with Works Requirements TII-CC-SPW-00900 CL. 5.1.1	100.00	m2		
F	PMSMA SURF 10 65/105-60 DES surface course (Ramp) 45mm thick in carriageway, hard shoulder and hard strip in accordance with Works Requirements TII-CC-SPW-00900 CL. 5.1.1	230.00	m2		
G	PMSMA SURF 14 65/105-60 DES surface course (Road Resurfacing) 45mm thick in carriageway, hard shoulder and hard strip in accordance with Works Requirements TII-CC-SPW-00900 CL. 5.1.1	2,480.00	m2		
	<u>Regulating Course</u>				
H	AC20 DENSE BIN 40/60 DES TO IS EN regulating course 25mm-40mm thick in carriageway, hard shoulder and hard strip	196.00	t		
	<u>Bond Coat</u>				
I	Tack Coat	5,620.00	m2		
	<u>Cold Milling</u>				
J	Cold milling (Planing) of existing carriageway surface to a depth exceeding 50mm but not exceeding 100mm	2,810.00	m2		
	<u>Reinstatement of Paved Areas</u>				
K	Reinstatement of paved area, PMSMA SURF 10 65/105-60 DES surface course 45mm thick on 60mm thick AC20 dense 40/60 DES binder Course per TII-CC-SPW-00900 CL3.1.4, on 100mm thick AC32 dense BASE 40/60 DES per TII-CC-SPW-00900 CL 3.1.1 in carriageway, hard shoulder and hard strip in accordance with Works Requirements TII-CC-SPW-00900 CL. 5.1.1	830.00	m2		
G558	Page: 5 / 4 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 5 - Harbour Road / Dunlo Hill

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	Granite kerb 125mm upstand Type 10 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	44.00	m		
B	Granite kerb 125mm upstand Type 10 curved not exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	4.00	m		
C	Pre-Cast concrete kerb 0-6mm upstand Type 1 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	135.00	m		
D	Pre-cast concrete kerb 25mm upstand Type 2 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	33.00	m		
E	Pre-Cast concrete kerb 60mm upstand Type 3 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	299.00	m		
F	Kerbdrain C/Kerb BN305 Channel kerb 60mm upstand Type 4 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements.	435.00	m		
G	Kerbdrain C/Kerb BN305 Channel Transition kerb Type 5 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements.	31.00	m		
H	Kerbdrain C/Kerb BN305 Channel kerb 25mm Type 6 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements.	22.00	m		
I	Pre-cast concrete kerb 125mm upstand Type 7 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	697.00	m		
J	Pre-cast concrete kerb 125mm upstand Type 7 curved not exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	48.00	m		
K	Pre-cast Kassel kerb 160mm upstand Type 8 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	21.00	m		
L	Pre-cast concrete transition kerb Type 9 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	75.00	m		
M	Granite transition kerb Type 11 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	2.00	m		
G558		Page: 5 / 5		To Collection	0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 5 - Harbour Road / Dunlo Hill

Ref	Description	Qty	Unit	Rate	Amount
	<u>Additional Concrete for Kerbs, Channels, Edgings, Combined Drainage and Kerb Blocks and Linear Drainage Channel Systems</u>				
A	Additional C25/30 concrete surround to kerbs	108.00	m3		
	<u>Footways and Paved Areas</u>				
B	Footway Type 1 (Concrete Footway) as CC-SCD-01105, 200mm thick, comprising 100mm concrete to TII-CC-SPW-01100 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	1,537.00	m2		
C	Footway Type 2 (Concrete Footway at Vehicular Access), 300mm thick, comprising 150mm concrete to TII-CC-SPW-01100 CL 1106 with A393 steel mesh, 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	133.00	m2		
D	Footway Type 4, Cyclepath at Vehicular Crossover, 350mm thick, comprising 25mm SMA 6 SURF PMB 65/105-60 DES surface course to TII-CC-SPW-00900 with red granule oxide additive 3.5%-4% by mass, on 50mm AC20 DENSE BIN 70/100 DES binder course to TII-CC-SPW-00900 CL 3.1.5, on 200-275mm 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.	1,136.00	m2		
E	Footway Type 5 (Shared Surface) as CC-SCD-01105, 200mm thick, comprising 100mm concrete to TII-CC-SPW-01100 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	191.00	m2		
F	Footway Type 7 (Granite Sett Footpath) 380mm thick, comprising 80mm Granite Setts, on 40mm sand-cement mortar C35/45 reinforced with polypropylene fibres at a rate of 0.6kg/m3 Forta-Fibre or equivalent approved, on 260mm reinforced concrete slab, concrete Class C30/37 TO I.S. EN 206-1 with single layer A393 (Top) with 100mm cover	99.00	m2		
G	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	22.00	m2		
G558		Page: 5 / 6		To Collection	0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 5 - Harbour Road / Dunlo Hill

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, 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	53.00	m2		
B	Tactile paving, 180mm thick, comprising 50mm thick tramline/ladder tactile paving buff in colour, on 30mm laying course 30N/MM2 in accordance with Table 3 of BS 7533-12:2006, jointing material 40N/MM2 in accordance with Table 2 of BS EN 7533-12:2006, on 100mm thick C32/40 concrete roadbase as per Table B.2 of BS 7533-12:2006, surface sloping 10 degree or less to the horizontal with brushed finish	99.00	m2		
G558	Page: 5 / 7 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme



Part 5 - Harbour Road / Dunlo Hill

	Description	Amount
	Series 500 Drainage and Service Ducts	0.00
	Series 700 Pavements	0.00
	Series 1100 Kerbs, Footways and Paved Areas	0.00
G558	Page: 5 / 8To Summary	0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 6 - Harris Road / Breacarnach

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 500 Drainage and Service Ducts</u> <u>Drains, Sewers, Piped Culverts and Service Ducts</u> <u>(Excluding Filter Drains, Narrow Filter Drains & Fin Drains)</u>				
A	S3 - S4 Line 1.003 225mm Concrete Storm Water Pipe, Work in trench to comply with ISEN 1916 & IS6 2004. Trench, bedding details to be as per drawing G558-OCSC-XX-XX-DR-C-00502 and CC-SCD-00521 trench Type T with the back fill materials to be clause 508 as noted in appendix 5/1 of the Works Requirement. Depth to invert not exceeding 2m, average depth metres 1.26m, in side slopes of cuttings or side slopes of embankments	19.00	m		
B	S4 - S5 Line 1.004 225mm Concrete Storm Water Pipe, Work in trench to comply with ISEN 1916 & IS6 2004. Trench, bedding details to be as per drawing G558-OCSC-XX-XX-DR-C-00502 and CC-SCD-00521 trench Type T with the back fill materials to be clause 508 as noted in appendix 5/1 of the Works Requirement. Depth to invert not exceeding 2m, average depth metres 1.11m, in side slopes of cuttings or side slopes of embankments	90.00	m		
C	S5 - S6 Line 1.005 225mm Concrete Storm Water Pipe, Work in trench to comply with ISEN 1916 & IS6 2004. Trench, bedding details to be as per drawing G558-OCSC-XX-XX-DR-C-00502 and CC-SCD-00521 trench Type T with the back fill materials to be clause 508 as noted in appendix 5/1 of the Works Requirement. Depth to invert not exceeding 2m, average depth metres 1.07m, in side slopes of cuttings or side slopes of embankments	90.00	m		
D	S6 - S7 Line 1.006 225mm Concrete Storm Water Pipe, Work in trench to comply with ISEN 1916 & IS6 2004. Trench, bedding details to be as per drawing G558-OCSC-XX-XX-DR-C-00502 and CC-SCD-00521 trench Type T with the back fill materials to be clause 508 as noted in appendix 5/1 of the Works Requirement. Depth to invert not exceeding 2m, average depth metres 1.42m, in side slopes of cuttings or side slopes of embankments	90.00	m		
E	S7 - Existing Manhole (Harris Road) Line 1.007 225mm Concrete Storm Water Pipe, Work in trench to comply with ISEN 1916 & IS6 2004. Trench, bedding details to be as per drawing G558-OCSC-XX-XX-DR-C-00502 and CC-SCD-00521 trench Type T with the back fill materials to be clause 508 as noted in appendix 5/1 of the Works Requirement. Depth to invert not exceeding 2m, average depth metres 1.42m, in side slopes of cuttings or side slopes of embankments	13.00	m		
F	2 x 110mm internal diameter service duct (Traffic Lighting), 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	39.00	m		
G558					
		Page: 6 / 1		To Collection	0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 6 - Harris Road / Breacarnach

Ref	Description	Qty	Unit	Rate	Amount
	<u>Drains, Sewers, Piped Culverts and Service Ducts (Excluding Filter Drains, Narrow Filter Drains & Fin Drains) (Cont'd)</u>				
A	2 x 110mm internal diameter service ducts,(Traffic Lighting), depths to invert not exceeding 2 metres average, depth to invert 1 metre in trench under Trafficked Areas (CC-SCD-00561) Type A.	26.00	m		
	<u>Renewal, Raising or Lowering Covers and Gratings on Existing Chambers and Gullies</u>				
B	Raising or lowering covers on existing chambers, exceeding 150mm but not exceeding 300mm, cover size not exceeding 1m2,	8.00	nr		
C	Raising or lowering covers on existing MH chambers, exceeding 150mm but not exceeding 300mm, cover size not exceeding 1m2,	1.00	nr		
D	Raising or lowering covers on existing Water Meter chambers, exceeding 150mm but not exceeding 300mm, cover size not exceeding 1m2,	3.00	nr		
	<u>Surface Water Drainage</u>				
E	150mm internal diameter uPVC road gully connection pipes in trench to proposed drainage ditch. Trench and bedding details to be as per CC-SCD-00521-02 Type Z. Depth to invert exceeding 1 metre, not exceeding 2 metre	18.00	m		
	<u>Connections</u>				
F	Connection to existing drain, chambers, sewer or piped and stone culvert 150mm internal diameter, Depth not exceeding 2 metres	4.00	nr		
	<u>Chambers and Gullies</u>				
G	Precast Concrete Gully - (CC-SCD-00510) Depth not exceeding 1 metre, D400 cover and grating drawing G558-OCSC-10-XX-DR-C-00513	4.00	nr		
H	Chamber, Type JB4, 915mm X 445mm internal diameter, cover size 915mm x 445mm Class D400 IS/EN 124, depth not exceeding 1 metre, in accordance with G558-OCSC-XX-XX-DR-C-0531	3.00	nr		
G558	Page: 6 / 2 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 6 - Harris Road / Breacarnach

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	53.00	m3		
	<u>Pavement</u>				
B	AC32 DENSE BIN 40/60 DES TO IS EN 13108-1 dense base course 100mm thick in accordance with Work Requirements CC-SPW-00900 CL 3.1.1	350.00	m2		
C	AC20 DENSE BIN 40/60 DES binder course 60mm thick, in accordance with Work Requirements TII-CC-SPW-00900 CL 3.1.4	350.00	m2		
D	AC20 DENSE BIN 40/60 DES binder course 60-135mm thick, in accordance with Work Requirements TII-CC-SPW-00900 CL 3.1.4	127.00	m2		
E	PMSMA SURF 10 65/105-60 DES surface course (Full Road Build Up) 45mm thick in carriageway, hard shoulder and hard strip in accordance with Works Requirements TII-CC-SPW-00900 CL. 5.1.1	350.00	m2		
F	PMSMA SURF 10 65/105-60 DES surface course (Ramp) 45mm thick in carriageway, hard shoulder and hard strip in accordance with Works Requirements TII-CC-SPW-00900 CL. 5.1.1	127.00	m2		
G	PMSMA SURF 14 65/105-60 DES surface course (Road Resurfacing) 45mm thick in carriageway, hard shoulder and hard strip in accordance with Works Requirements TII-CC-SPW-00900 CL. 5.1.1	1,586.00	m2		
	<u>Regulating Course</u>				
H	AC20 DENSE BIN 40/60 DES TO IS EN regulating course 25mm-40mm thick in carriageway, hard shoulder and hard strip	124.00	t		
	<u>Bond Coat</u>				
I	Tack Coat	4,126.00	m2		
	<u>Cold Milling</u>				
J	Cold milling (Planing) of existing carriageway surface to a depth exceeding 50mm but not exceeding 100mm	2,063.00	m2		
	<u>Reinstatement of Paved Areas</u>				
K	Reinstatement of paved area, PMSMA SURF 10 65/105-60 DES surface course 45mm thick on 60mm thick AC20 dense 40/60 DES binder Course per TII-CC-SPW-00900 CL3.1.4, on 100mm thick AC32 dense BASE 40/60 DES per TII-CC-SPW-00900 CL 3.1.1 in carriageway, hard shoulder and hard strip in accordance with Works Requirements TII-CC-SPW-00900 CL. 5.1.1	120.00	m2		
G558	Page: 6 / 3 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 6 - Harris Road / Breacarnach

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	Pre-Cast concrete kerb 0-6mm upstand Type 1 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	16.00	m		
B	Pre-cast concrete kerb 25mm upstand Type 2 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	8.00	m		
C	Pre-cast concrete kerb 25mm upstand Type 2 laid 3 curved not exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	61.00	m		
D	Pre-cast concrete kerb 125mm upstand Type 7 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	138.00	m		
E	Pre-cast concrete kerb 125mm upstand Type 7 curved not exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	40.00	m		
F	Pre-cast concrete transition kerb Type 9 laid straight or curved exceeding 12 meter radius in accordance with Works Requirements CC-SCD-01102	31.00	m		
	<u>Additional Concrete for Kerbs, Channels, Edgings, Combined Drainage and Kerb Blocks and Linear Drainage Channel Systems</u>				
G	Additional C25/30 concrete surround to kerbs	14.00	m3		
	<u>Footways and Paved Areas</u>				
H	Footway Type 1 (Concrete Footway) as CC-SCD-01105, 200mm thick, comprising 100mm concrete to TII-CC-SPW-01100 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	188.00	m2		
I	Footway Type 2 (Concrete Footway at Vehicular Access), 300mm thick, comprising 150mm concrete to TII-CC-SPW-01100 CL 1106 with A393 steel mesh, 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	22.00	m2		
J	Footway Type 5 (Shared Surface) as CC-SCD-01105, 200mm thick, comprising 100mm concrete to TII-CC-SPW-01100 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	294.00	m2		
G558					
Page: 6 / 4				To Collection	0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 6 - Harris Road / Breacarnach

Ref	Description	Qty	Unit	Rate	Amount
	<u>Footways and Paved Areas (Cont'd)</u>				
A	Cyclepath On Road, 80mm thick, comprising 40mm SMA 6 SURF PMB 65/105-60 DES surface course to TII-CC-SPW-00900 with red granule oxide additive 3.5%-4% by mass, on 40mm max 15mm min AC20 DENSE BIN 40/60 DES Binder/Regulating Course	69.00	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	33.00	m2		
C	Tactile paving, 180mm thick, comprising 50mm thick tramline/ladder tactile paving buff in colour, on 30mm laying course 30N/MM2 in accordance with Table 3 of BS 7533-12:2006, jointing material 40N/MM2 in accordance with Table 2 of BS EN 7533-12:2006, on 100mm thick C32/40 concrete roadbase as per Table B.2 of BS 7533-12:2006, surface sloping 10 degree or less to the horizontal with brushed finish	52.00	m2		
G558				To Collection	0.00

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	Description	Amount
	Series 500 Drainage and Service Ducts	0.00
	Series 700 Pavements	0.00
	Series 1100 Kerbs, Footways and Paved Areas	0.00
G558		0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 7 - Accomodation Works

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 100 Special Preliminaries</u>				
	<u>Traffic Safety and Management</u>				
A	Traffic safety and management	1.00	item		
B	Taking measures for or construction, maintenance, removal of contraflow arrangements in accordance with Appendix 1/17	1.00	item		
C	Removing from store and installing temporary vertical safety barriers in accordance with Appendix 1/17	1.00	item		
D	Taking up or down and removing from site temporary vertical safety barriers in accordance with Appendix 1/17	1.00	item		
	<u>Property Condition Surveys</u>				
E	Property condition surveys, for all properties at locations indicated on drawings AC-01-BBSR and Appendix 1/7	1.00	item		
G558	Page: 7 / 1 To Collection				0.00

Part 7 - Accomodation Works

Ref	Description	Qty	Unit	Rate	Amount
A	<u>Series 200 Site Clearance</u>	0.05	ha		
	<u>Site Clearance</u>				
	General site clearance				

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 7 - Accomodation Works

Ref	Description	Qty	Unit	Rate	Amount
	<u>Series 300 Fencing and Environmental Noise Barriers</u>				
	<u>Fencing, Gates and Stiles</u>				
A	Fencing, Bow Top Galvernised Steel Fence, 1.2 metre height to follow existing fence, posts to be set in concrete foundation 750mm x 350mm 2 metre C/C, concrete Class C16/20, in accordance with the drawing AC-01-BBSR	32.00	m		
B	Gates Steel Double Field Gate (CC-SCD-00310) 7.02m wide (post to post), 4.8 metre gate with 2 metre gate, concrete foundations, latch, drop bolt and all fixtures and fittings to be inacordance with drawing AC-01-BBSR	1.00	nr		
G558	Page: 7 / 3 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 7 - Accomodation Works

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.	103.00	m3		
	<u>Excavation in Hard Material</u>				
B	Extra over excavation for excavation in hard material in cutting and other excavation	30.00	m3		
	<u>Disposal of Material</u>				
C	Disposal of non-compliant material	103.00	m3		
	<u>Imported Fill</u>				
D	Imported topsoil Class 5B	19.00	m3		
	<u>Topsoiling and Storage of Topsoil</u>				
E	Topsoil 150mm deep to surfaces sloping at more than 10 degrees to the horizontal	124.00	m2		
	<u>Grass Seeding and Turfing</u>				
F	Grass seeding to surfaces sloping at 10° or less to the horizontal	124.00	m2		
G558	Page: 7 / 4 To Collection				0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme

Part 7 - Accomodation Works

Ref	Description	Qty	Unit	Rate	Amount
A	<u>Series 1100 Kerbs, Footways and Paved Areas</u>	162.00	m2		
	<u>Footways and Paved Areas</u>				
A	Footway Type 6 (Hardstanding Maintenance Area at Marina) 705mm thick, comprising 45mm PMSMA 10 SURF PMB 65/105-60 DES surface course to TII-CC-SPW-00900 CL, 5.1.1 (Buff Color), on 60mm AC20 DENSE BIN 40/60 DES binder course to TII-CC-SPW-00900 CL 3.1.4, on 100mm AC32 DENSE BASE 40/60 DES base course to TII-CC-SPW-00900 CL 3.1.1, on 150mm thick Sub-base to UGM Ac in accordance with TII-CC-00800 CL 808, on 350mm thick Capping to Class 6F in accordance with TII-CC-00600 CL 613 and compacted in compliance with CL. 612 ,on Terram T1000 or similar approved permeable geotextile				
G558	Page: 7 / 5 To Collection				0.00

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	Description	Amount
	Series 100 Special Preliminaries	0.00
	Series 200 Site Clearance	0.00
	Series 300 Fencing and Environmental Noise Barriers	0.00
	Series 600 Earthworks	0.00
	Series 1100 Kerbs, Footways and Paved Areas	0.00
G558		0.00

Ballinasloe R446 Bridge ST. to Harris RD. Active Travel Scheme



Bill	Description	Amount
1	Part 1 - Preliminaries	0.00
2	Part 2 - Roadworks General R446	0.00
3	Part 3 - Bridge Street	0.00
4	Part 4 - Grand Canal Roundabout	0.00
5	Part 5 - Harbour Road / Dunlo Hill	0.00
6	Part 6 - Harris Road / Breacarnach	0.00
7	Part 7 - Accomodation Works	0.00
G558	Page: S/1	0.00



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