









### OPTION COMPARISON ESTIMATES (PHASE 2)

TIV

Project Name	Ga	alway to Ath	one Cyclev	vay	TII Ref.	WH19/17962			
					Phase	Phase 2	X-Sec		
Possible Mid-Construction Date	2025	Current Year		Inflation- Construction	0%	Inflation Land & Property	0%	% Prog. Risk	5%
Option Number / Reference	Route 1	Route 2	Route 3	Route 4	Route 5	Ballinaslo e Link			
Mainline Length	143	83	117	174	182	20			
Grade Separated Junctions	0	0	0	0	0	0			
No. of Bridges (Ordinary)	24	27	22	35	30	1			
No.Viaducts / Signature Structures	0	0	0	0	0	0			

# OPTIONS COSTS

# BASE COSTS (Incl VAT & Project Specific Risk Contingencies) - €million

Main Contract Construction	79.4	73.3	69.7	98.8	96.3	8.0				
Main Contract Supervision	3.5	3.2	3.1	4.4	4.2	0.4				
Archaeology	2.8	2.6	2.5	3.5	3.4	0.3				
Advance Works and Other Contracts	2.1	1.9	1.8	2.6	2.5	0.2				
Public Transport Connectivity/Asset Renewal	0.0	0.0	0.0	0.0	0.0	0.0				
Land & Property	13.0	10.8	10.6	13.5	15.8	0.4				
Planning & Design	4.2	3.9	3.7	5.2	5.1	0.4				
Subtotal	105.0	95.7	91.4	128.0	127.3	9.7	0.0	0.0	0.0	0.0
Total Inflation Allowance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TII Programme Risk	5.3	4.8	4.6	6.4	6.4	0.5	0.0	0.0	0.0	0.0
Option Comparison Estimate	110.3	100.5	96.0	134.4	133.7	10.2	0.0	0.0	0.0	0.0

Signatures

Regional Manager

Regional Manager

Senior Engineering Inspector

Head of Roads Capital Programme











## **Estimate Assumptions Sheet** $\mathsf{TII}$ Galway to Athlone Cycleway Jun-22 PROJECT TITLE DATE OF CURRENT ESTIMATE CURRENT PHASE Phase 2 BASE DATE FOR RATES 2022 RPS PROJECT MANAGER **ESTIMATOR (CURRENT ESTIMATE)** Main Construction Contract (Insert Information where available – use Preferred Option at Phase 2) Mainline Length Total km Section Type Mainline – extent of any overlay km % in Urban Environment % Links Road Length km Section Type Side Roads Length km Section Type **Grade Separated Junctions** Nr. Interchanges (Freeflow) Nr. At-Grade Junctions - Mainline Nr. Other Locations Nr. Only Overbridges Nr. Nr. Number on Mainline Underbridges Nr. Number on Mainline Nr. Signature Structures - Span m Structure Type Tunnels km Pavement Detail Earthworks - Cut Volume $m^3$ m3 Fill Volume Earthworks - Import of m3 EO for Hard Material $m^3$ Acceptable Earthworks - Ground Conditions (please describe briefly anticipated ground conditions) С Accommodation Works - Underpasses Nr. Accommodation Works – Access Tracks km Other Information on the Main Construction Contract (e.g. Active Travel, Key Constraints or Challenges) Land and Property (Additional Information to that contained in the estimate summary and back-up) Land and Property payments in line with Code of Best Practice National and Regional Greenways Greenway Sustainability Payments (GSP) Value per m taken as mean value per meter for all bands(GSP) Property valuation for Agricultural Lands sourced from https://scsi.ie/annual-scsi-teagasc-agricultural-land-market-review-Zoned land value estimate from 2013 increased by 9% based on change in agricultural land value to 2021 plus 6% for 2022 estimated inflated. Programme Outline anticipated or actual dates for Statutory Process/CPO. Notice to Treat and Main Construction Contract Tender Issue and other key milestones.}

Any Other Relevant Information (including notes on the other 5 Cost Headings)











{At Option Selection, outline justification for the preferred route including details of key issues on other routes}

{Outline details of any previous or planned contract awards for pre-construction works including enabling works contracts, other contracts, site investigations or surveys.}

Route Option 5 with the addition of the Ballinasloe Link has been chosen as the Emerging Preferred Route Corridor as it delivers the best user experience and aligns with the 'Five S' Criteria in the strategy for Cycleway development.

Public Transport Conectivity.

Set to 0% instead of the default 7.5%.

Planning and Design.

Set to 6% instead of the default 8%.

Main Contract Supervision

Set to 5% instead of the default 8%.

#### Archaeology.

Set to 4% instead of the default 7.5%, as much of the route uses existing infrastructure, Archaeological costs should be minimal.

#### Advance Works and Other Contracts.

Set to 3% instead of the default 5%, as no significant advance works or other contract costs expected.

Fencing has been excluded from the following types of cycleway: BnaM rail; Bog Road; Planned Walk; On Road Shared; Cycle Track (fencing allowed on one side only); Boardwalk; Flood Embankment; Existing Trail; Forest Road; Forest Fireline; Motorway Access Track

Where fencing is required it is assumbed that some boundaries can be reused.

#### Earthworks assumptions include

- excavation of 300mm topsoil strip where cycleways are not being constructed on existing roads.
- allowance of 500m3 of excavation of unacceptable material class U1 per km
- allowance of 0.5m depth of imported fill per km on new construction
- allowance of 200m of 0.5m depth imported fill per km where on existing trails

#### Pavements

- Allowance of surface, base and 150mm sub-base for full construction trail type
- Allowance of surface, base and 20% sub-base for pavement intervention trail type
- Allowance of cold milling and surface course for resurfacing trail type

Kerbs, Footways and Paved Areas - No allowance has been included for any kerbing or footways except for the following types of cycleway: On Road Shared; Cycle Lane;

#### Traffic Signs

- Allowance of 5 signs/km applies to all types of cycleway
- Allowance of 5 zebra crossings per km excluding BnaM Rail; Bog Road; Planned Walk; On Road Shared; Rothar Road; Boardwalk; Flood embankment; Existing Trail; Forest Road; Forest Fireline; Motorway Access Track
- Cycle Lane includes 2 toucan crossings per km, 2 zebra crossings per km and 4 bolards per km

#### Road Markings assumptions include

- allowance of 1000m of 100mm wide continuous line per km;
- allowance of 4 No. cycle track yield markings per km
- allowance of 10 No. letters per km
- allowance of 5 No. cycle symbols per km

Additional road markings has been allowed in the Cycle Lane for carriageway markings

Road markings have been excluded from the Boardwalk

Lighting and Electrical - No allowance has been made for public lighting across any types of cycleways

# Landscaping and Environmental assumptions include

- 1m wide topsoiling and seeding on each side of cycleway per km (excluding the following types of cycleway: Existing Track; BnaM Rail; Bog Road; On Road Shared; Rothar Road; Cycle Lane; Boardwalk; Flood Embankment; Existing Trail; Motorway Access Track
- 1m wide topsoiling and seeding on one side only of cycleway per km for Cycle Track; Forest Road; Forest Fireline
- 50 No. trees per km (excluding the following types of cycleway: BnaM Rail; Bog Road; On Road Shared; Rothar Road;
   Cycle Lane; Boardwalk; Flood Embankment; Existing Trail; Forest Road; Forest Fireline; Motorway Access Track
   25 No. trees per km for Cycle Track
- 500m per km for environmental screening (excluding the following types of cycleway: Existing Track; BnaM Rail; Bog Road; On Road Shared; Rothar Road; Cycle Lane; Boardwalk; Flood Embankment; Existing Trail; Forest Road; Forest Fireline; Motorway Access Track
- 250m per km for environmental screeing for Cycle Track
- €5.000/km for environment and ecology

Accommodation Works - No allowance has been made for Accommodation Works across any types of cycleways











Statutory Authorities & Utilities - No allowance has been made for Statutory Authorities and Utilities

Any Other Relevant Information (including notes on the other 5 Cost Headings)

Baseline Rates tab includes the rates used across the estimate and where they were sourced.

We based rates on the TII's Schedule of Rates 2019, where directly comparable items were available. Otherwise rates are based on 'N59 Moycullen bypass tender received June 2021. An inflation rate of 22% was added to TII 2019 rates and 15% on N59 Moycullan rates.

Structures cost etimate based on 2019 rates. An inflation rate of 22% was added to these rates.

Note: Above information should include for example notes on key exclusions from base cost or any key assumptions on which rates and prices have been based.











Lev	el 2	Estimate Summary Sheet				
Galw	ay to A	Athlone Cycleway Route Option 1		DATE OF E	STIMATE: June 20	22
Phase	e 2			BASE DATI	E FOR RATES: 2020	)
INSEF	RT NAN	ME OF TECHNICAL ADVISOR: RPS	INSERT NAME O	F ESTIMATO	PR	RPS
	Mainli	ne Section Type :	3m Cycleway	Mainline Le	ngth:	142.72
	Link F	Roads Section Type :		Link Roads	Length :	
1	Mair	Construction Contract (See attached for	Quantity	Unit	Rate €	Total €
	brea	kdown presented to Level 2 detail)	,	Offic	rate c	Total C
	а	New build greenway on Farmland	29.602	km	€ 369,247	€10,930,450
	b	New build greenway on Non-Farm Land	12.173	km	€ 395,356	€4,812,669
	С	New build greenway parallel to rail	7.853	km	€ 466,603	€3,664,233
	d	Existing track	18.371	km	€ 236,082	€4,337,062
	e	BnM railway	28.888	km	€ 276,348	€7,983,141
	f	Old farm road	2.195	km	€ 270,123	€592,920
	g	Bog road	8.554 3.706	km	€ 164,180 € 275,143	€1,404,396
	h	Planned walk	1.021	km	€ 563,476	€1,019,680 €575,309
	k	On road shared surface Rothar road	1.869	km km	€ 303,476	€241,037
	m	Cycle track next to rural road	13.785	km	€ 354,650	€4,888,850
	n	Urban cycle lane	1.274	km	€ 600,811	€765,433
	0	Raised boardwalk	0	km	€ 7,513,809	€0
	р	Flood embankment path	2.724	km	€ 194,087	€528,693
	q	Existing recreational trail	7.789	km	€ 156,463	€1,218,690
	r	Forest road	1.344	km	€ 299,174	€402,090
	s	Forest fireline	1.073	km	€ 258,976	€277,881
	t	Motorway access track	0.501	km	€ 178,167	€89,262
	u	Bridges	-	Nr.	-	€13,200,020
	V	Culverts	-	Nr.	-	€2,932,584
	w	Other Structures	-	Nr.	-	€1,000,000
	Total	Base Cost for Main Construction Contract				€60,864,400
	Add F	Project Specific Risk Contingency			15%	€9,129,660
	Sub T	otal Exclusive of Vat				€69,994,060
	Add V	'AT at			13.5%	€9,449,198
	Total	MCC Base Cost plus Project Specific Risk Contingency				€79,443,258
2	Land	d and Property - All-In Costs	Quantity	Unit	Rate €	Total €
	а	Early Sign on payment	•	•	-	€2,505,770
	b	Co-Operation Payment			-	€2,505,770
	С	Mainline (Private Agricultural)	-	На.	-	€1,169,553
	d	Mainline (Private Forestry)	-	На.	-	€66,893
	е	Mainline (Private Other)	-	На.	-	€284,282
	f	Mainline (Zoned)	-	Ha.	-	€849,218
	g	Mainline (Public)	-	Ha.	-	€0
	h	Injurious Affection / Severance	-	No.	-	€0
	<u>j</u>	General Disturbance	-	No.	-	€2,618,200
	k	Agronomist Costs and other fees	-	No.	-	€1,309,100
		Base Cost for Land and Property			450/	€11,308,786
		Project Specific Risk Contingency			15%	€1,696,318
		L&P Base Cost plus Project Specific Risk Contingency				€13,005,104
3	Plan	ning and Design				Total €
	Provis	sion based on percentage of Main Construction Contract Base Cos	t		6%	€3,651,864
	Add F	Project Specific Risk Contingency			15%	€547,780
	Total	P&D Base Cost plus Project Specific Risk Contingency				€4,199,644
4	Arch	aeology				Total €
Ė	+	sion to take account of Actual Costs and Contract Amounts where	known		4.0%	€2,434,576
I	I TOVE	Sion to take account of Actual Costs and Contract Amounts where	IN IOWIT		1.070	CZ, 737,370











Lev	el 2	Estimate Summary Sheet			
	Add F	Project Specific Risk Contingency		15%	€365,186
	Total	Archaeology Base Cost plus Project Specific Risk Contingency			€2,799,762
5	Adv	ance Works and Other Contracts			Total €
	Provi	sion to take account of Actual Costs and Contract Amounts where known		3%	€1,825,932
	Add F	Project Specific Risk Contingency		15%	€273,890
	Total	Advance Works Base Cost plus Project Specific Risk Contingency			€2,099,822
6	Mair	n Contract Supervision (Employer's Costs)			Total €
	Provi	sion to take account of Actual Costs and Contract Amounts where known		5%	€3,043,220
	Add F	Project Specific Risk Contingency		15%	€456,483
	Main	Contract Supervision Base Costs plus Project Specific Risk Contingency			€3,499,703
7	Pub	lic Transport Connectivity/Asset Renewal			Total €
	Provi	sion based on percentage of Main Construction Contract Base Cost		0.0%	€0
	Add F	Project Specific Risk Contingency		15%	€0
	Total	Residual Network Base Cost plus Project Specific Risk Contingency			€0
тот	AL LE	VEL 2 ESTIMATE INCLUSIVE OF VAT			€105,047,293
		Mainline Length	<b>142.722</b> km	Rate per km	€736,027
	N.B.	Figures above are INCLUSIVE of VAT - VAT rates utilised are : { 13.5% }			•
		Figures above are EXCLUSIVE of provision for Inflation - base date to be stated	if different from date of es	stimate.	
		Total base costs to include for ALL qualifying costs under each cost heading.			
		Refer to the TII Cost Management Manual for information on coverage and form	at of back-up.		
		See attached Estimate Assumptions Sheet for Further Project Information.			











Leve	121	Estimate Summary Sheet				
Galway	/ to A	thlone Cycleway Route Option 2		DATE OF E	STIMATE: June 20	22
Phase 2	2			BASE DATE	FOR RATES: 2022	2
INSERT	NAN	IE OF TECHNICAL ADVISOR: RPS	INSERT NAME OF	ESTIMATO	R	RPS
	Mainlir	ne Section Type :	3m Cycleway	Mainline Lei	nath :	83.04
		oads Section Type :	, , , , , , , , , , , , , , , , , , ,	Link Roads	•	
1	Main	Construction Contract (See attached for	0 111			
		kdown presented to Level 2 detail)	Quantity	Unit	Rate €	Total €
	а	New build greenway on Farmland	8.141	km	€ 369,247	€3,006,04
	b	New build greenway on Non-Farm Land	2.661	km	€ 395,356	€1,052,04
	С	New build greenway parallel to rail	53.004	km	€ 466,603	€24,731,82
	d	Existing track	1.712	km	€ 236,082	€404,17
	е	BnM railway	0	km	€ 276,348	€
	f	Old farm road	2.159	km	€ 270,123	€583,19
_	g	Bog road	0	km	€ 164,180	€
_	h	Planned walk	5.342	km	€ 275,143	€1,469,81
_	j	On road shared surface	0.156	km	€ 563,476	€87,90
L	k	Rothar road	1.579	km	€ 128,966	€203,63
L	m	Cycle track next to rural road	2.082	km	€ 354,650	€738,38
L	n	Urban cycle lane	0.401	km	€ 600,811	€240,92
-	0	Raised boardwalk	0	km	€ 7,513,809	€
-	р	Flood embankment path	0.507	km	€ 194,087	€98,40
-	q	Existing recreational trail	2.476	km	€ 156,463	€387,40
-	r	Forest road	2.821	km	€ 299,174	€843,97
-	S	Forest fireline	0	km	€ 258,976	€
-	t	Motorway access track	0	km	€ 178,167	€
-	u	Bridges	-	Nr.	-	€19,586,06
-	V	Culverts	-	Nr.	-	€1,714,11
-	W	Other Structures	-	Nr.	-	€1,000,00
_ ⊢		Base Cost for Main Construction Contract			15%	€56,147,88
- ⊢		roject Specific Risk Contingency			1370	€8,422,18
_ <b>⊢</b>		otal Exclusive of VAT			13.5%	€64,570,06 €8,716,95
- ⊢	Add V				13.5%	
		MCC Base Cost plus Project Specific Risk Contingency				€73,287,02
2 I	Land	and Property - All-In Costs	Quantity	Unit	Rate €	Total €
-	а	Early Sign on payment			-	€1,982,33
-	b	Co-Operation Payment	1	·	-	€1,982,33
-	С	Mainline (Private Agricultural)	-	Ha.	-	€1,137,01
-	d	Mainline (Private Forestry)	-	Ha.	-	€64,69
-	e f	Mainline (Private Other)	-	Ha. Ha.	-	€103,85 €733,81
H		Mainline (Zoned) Mainline (Public)	<u> </u>	на. На.	<u> </u>	€733,61
ŀ	g h	Injurious Affection / Severance		No.	_	•
H	_ <u>''</u>	General Disturbance		No.	_	€2,279,00
-	k	Agronomist Costs and other fees		No.	_	€1,139,50
-		Base Cost for Land and Property		110.		€9,422,55
<b> </b> -		roject Specific Risk Contingency			15%	€1,413,38
		&P Base Cost plus Project Specific Risk Contingency			1070	€10,835,94
3 I	Planı	ning and Design				Total €
F	Provis	ion based on percentage of Main Construction Contract Base Co	ost		6%	€3,368,87
7	Add P	roject Specific Risk Contingency			15%	€505,33
[	Γotal F	P&D Base Cost plus Project Specific Risk Contingency				€3,874,20
4	Arch	aeology				Total €
Ţ.	Provis	ion to take account of Actual Costs and Contract Amounts where	e known		4.0%	€2,245,91











Level 2	2 Estimate Summary Sheet		
Add	d Project Specific Risk Contingency	15%	€336,887
Tota	al Archaeology Base Cost plus Project Specific Risk Contingency		€2,582,802
5 Ad	Ivance Works and Other Contracts		Total €
Pro	ovision to take account of Actual Costs and Contract Amounts where known	3%	€1,684,437
Add	d Project Specific Risk Contingency	15%	€252,666
Tota	al Advance Works Base Cost plus Project Specific Risk Contingency		€1,937,103
6 Ma	ain Contract Supervision (Employer's Costs)		Total €
Pro	ovision to take account of Actual Costs and Contract Amounts where known	5%	€2,807,394
Add	d Project Specific Risk Contingency	15%	€421,109
Mai	in Contract Supervision Base Costs plus Project Specific Risk Contingency	•	€3,228,503
7 Pu	blic Transport Connectivity/Asset Renewal		Total €
Pro	ovision based on percentage of Main Construction Contract Base Cost	0.0%	€0
Add	d Project Specific Risk Contingency	15%	€0
Tota	al Residual Network Base Cost plus Project Specific Risk Contingency		€0
TOTAL L	EVEL 2 ESTIMATE INCLUSIVE OF VAT		€95,745,581
	Mainline Length 83.041	km Rate per km	€1,152,992
	Waltilific Length 00.041	<u>.</u>	01,102,002
N.B.	Figures above are INCLUSIVE of VAT - VAT rates utilised are : { 13.5% }		01,102,002
N.B.	Figures above are INCLUSIVE of VAT - VAT rates utilised are : { 13.5% } Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from	n date of estimate.	01,102,002
N.B.	Figures above are INCLUSIVE of VAT - VAT rates utilised are : { 13.5% }	n date of estimate.	01,10=,00=











Lev	el 2	Estimate Summary Sheet				
Galwa	y to A	Athlone Cycleway Route Option 3		DATE OF E	STIMATE: June 20	)22
Phase	2			BASE DATI	E FOR RATES: 202	2
INSER	T NAN	ME OF TECHNICAL ADVISOR: RPS	INSERT NAME OF	FESTIMATO	)R	RPS
	Mainli	ine Section Type :	3m Cycleway	Mainline Le	ngth :	116.73
		Roads Section Type :		Link Roads	-	
1	Mair	Construction Contract (See attached for				
		kdown presented to Level 2 detail)	Quantity	Unit	Rate €	Total €
	а	New build greenway on Farmland	26.256	km	€ 369,247	€9,694,949
	b	New build greenway on Non-Farm Land	14.474	km	€ 395,356	€5,722,383
	С	New build greenway parallel to rail	8.093	km	€ 466,603	€3,776,218
	d	Existing track	10.679	km	€ 236,082	€2,521,120
	е	BnM railway	16.45	km	€ 276,348	€4,545,925
	f	Old farm road	3.57	km	€ 270,123	€964,339
	g	Bog road	5.861	km	€ 164,180	€962,259
	h	Planned walk	7.214	km	€ 275,143	€1,984,882
	j	On road shared surface	0.341	km	€ 563,476	€192,145
	k	Rothar road	2.54	km	€ 128,966	€327,574
	m	Cycle track next to rural road	8.739 1.309	km	€ 354,650 € 600,811	€3,099,286 €786,462
	n	Urban cycle lane Raised boardwalk	0	km	€ 600,811 € 7,513,809	€700,402
	0	Flood embankment path	1.056	km km	€ 7,515,809 € 194,087	€204,956
	p q	Existing recreational trail	4.328	km	€ 156,463	€677,172
	r	Forest road	5.322	km	€ 299,174	€1,592,204
	s	Forest fireline	0	km	€ 258,976	€0
	t	Motorway access track	0.501	km	€ 178,167	€89,262
	u	Bridges	-	Nr.	-	€12,890,980
	V	Culverts	-	Nr.	-	€2,395,632
	w	Other Structures	-	Nr.	-	€1,000,000
	Total	Base Cost for Main Construction Contract	•			€53,427,748
	Add P	Project Specific Risk Contingency			15%	€8,014,162
	Sub-T	Total Exclusive of VAT				€61,441,910
	Add V	/AT at			13.5%	€8,294,658
	Total	MCC Base Cost plus Project Specific Risk Contingency				€69,736,568
2	Land	d and Property - All-In Costs	Quantity	Unit	Rate €	Total €
	<u>а</u>	Early Sign on payment			-	€2,258,508
	b	Co-Operation Payment	<u> </u>	112	-	€2,258,508
	c d	Mainline (Private Agricultural)  Mainline (Private Forestry)		Ha. Ha.	-	€930,762 €130,073
	e	Mainline (Private Other)		Ha.	_	€239,724
	f	Mainline (Zoned)	_	Ha.	_	€825,413
	g	Mainline (Public)	-	Ha.	-	€0
	h	Injurious Affection / Severance	-	No.	-	€0
	j	General Disturbance	-	No.	-	€1,696,000
	k	Agronomist Costs and other fees	-	No.	-	€848,000
	Total	Base Cost for Land and Property	•			€9,186,988
	Add P	Project Specific Risk Contingency			15%	€1,378,048
	Total	L&P Base Cost plus Project Specific Risk Contingency				€10,565,036
3		ning and Design				Total €
		sion based on percentage of Main Construction Contract B	ase Cost		6%	€3,205,665
		Project Specific Risk Contingency			15%	€480,850
	<u> </u>	P&D Base Cost plus Project Specific Risk Contingency				€3,686,515
4		naeology			4.00/	Total €
	Provis	sion to take account of Actual Costs and Contract Amounts	wnere known		4.0%	€2,137,110











Leve	el 2	Estimate Summary Sheet		
	Add F	Project Specific Risk Contingency	15%	€320,567
	Total	Archaeology Base Cost plus Project Specific Risk Contingency		€2,457,677
5	Adva	ance Works and Other Contracts		Total €
	Provis	sion to take account of Actual Costs and Contract Amounts where known	3%	€1,602,832
	Add F	Project Specific Risk Contingency	15%	€240,425
	Total	Advance Works Base Cost plus Project Specific Risk Contingency	•	€1,843,257
6	Mair	n Contract Supervision (Employer's Costs)		Total €
	Provis	sion to take account of Actual Costs and Contract Amounts where known	5%	€2,671,387
	Add F	Project Specific Risk Contingency	15%	€400,708
	Main	Contract Supervision Base Costs plus Project Specific Risk Contingency		€3,072,095
7	Pub	lic Transport Connectivity/Asset Renewal		Total €
	Provis	sion based on percentage of Main Construction Contract Base Cost	0.0%	€0
	Add F	Project Specific Risk Contingency	15%	€0
	Total	Residual Network Base Cost plus Project Specific Risk Contingency		€0
ТОТА	L LE	VEL 2 ESTIMATE INCLUSIVE OF VAT		€91,361,148
		Mainline Length 116.73	Rate per km	€782,651
	N.B.	Figures above are INCLUSIVE of VAT - VAT rates utilised are : { 13.5% }		
			om date of estimate	
		Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from	on date of estimate.	
		Total base costs to include for ALL qualifying costs under each cost heading.		
		·		











Lev	el 2	Estimate Summary Sheet				
Galw	ay to A	Athlone Cycleway Route Option 4		DATE OF E	STIMATE: June 20	122
Phase	e <b>2</b>			BASE DATE	FOR RATES: 202	2
INSEF	RT NAN	ME OF TECHNICAL ADVISOR: RPS	INSERT NAME OF	ESTIMATO	ıR	RPS
	Mainli	ne Section Type :	3m Cycleway	Mainline Ler	ngth:	174.46
	Link F	Roads Section Type :		Link Roads	Length :	
1		Construction Contract (See attached for kdown presented to Level 2 detail)	Quantity	Unit	Rate €	Total €
	а	New build greenway on Farmland	31.36	km	€ 369,247	€11,579,586
	b	New build greenway on Non-Farm Land	18.337	km	€ 395,356	€7,249,643
	C	New build greenway parallel to rail	3.639	km	€ 466,603	€1,697,968
	d	Existing track	11.054	km	€ 236,082	€2,609,650
	e	BnM railway	20.509	km	€ 276,348	€5,667,621
	f	Old farm road	2.01	km	€ 270,123	€542,947
	g	Bog road	6.438	km	€ 164,180	€1,056,991
	h	Planned walk	2.756	km	€ 275,143	€758,294
	i	On road shared surface	1.388	km	€ 563,476	€782,105
	k	Rothar road	3.797	km	€ 128,966	€489,684
	m	Cycle track next to rural road	23.901	km	€ 354,650	€8,476,490
	n	Urban cycle lane	1.274	km	€ 600,811	€765,433
	0	Raised boardwalk	0	km	€ 7,513,809	€0
	р	Flood embankment path	7.114	km	€ 194,087	€1,380,735
	q	Existing recreational trail	7.7	km	€ 156,463	€1,204,765
	r	Forest road	25.654	km	€ 299,174	€7,675,010
	s	Forest fireline	6.62	km	€ 258,976	€1,714,421
	t	Motorway access track	0.912	km	€ 178,167	€162,488
	u	Bridges	-	Nr.	-	€16,652,780
	V	Culverts	-	Nr.	-	€3,593,448
	w	Other Structures	-	Nr.	-	€1,600,000
	Total	Base Cost for Main Construction Contract				€75,660,059
	Add P	roject Specific Risk Contingency			15%	€11,349,009
		otal Exclusive of VAT				€87,009,068
	Add V	'AT at			13.5%	€11,746,224
		MCC Base Cost plus Project Specific Risk Contingency				€98,755,292
2	Land	d and Property - All-In Costs	Quantity	Unit	Rate €	Total €
	а	Early Sign on payment			-	€2,702,006
	b	Co-Operation Payment			-	€2,702,006
	С	Mainline (Private Agricultural)	-	Ha.	-	€1,300,743
	d	Mainline (Private Forestry)	-	На.	=	€71,169
	е	Mainline (Private Other)	-	На.	-	€317,756
	f	Mainline (Zoned)	-	Ha.	-	€644,805
	g	Mainline (Public)	-	Ha.	-	€0
	h	Injurious Affection / Severance	-	No.	=	€0
	j	General Disturbance	-	No.	-	€2,692,400
	k	Agronomist Costs and other fees	-	No.	=	€1,346,200
	Total	Base Cost for Land and Property	•	-		€11,777,085
	Add P	Project Specific Risk Contingency			15%	€1,766,563
	Total	L&P Base Cost plus Project Specific Risk Contingency				€13,543,648
3	Plan	ning and Design				Total €
	Provis	sion based on percentage of Main Construction Contract Base Co	ost		6%	€4,539,604
	Add P	Project Specific Risk Contingency			15%	€680,941
	Total	P&D Base Cost plus Project Specific Risk Contingency				€5,220,545
4	Arch	aeology				Total €
	Provis	sion to take account of Actual Costs and Contract Amounts where	known		4.0%	€3,026,402











Lev	el 2	Estimate Summary Sheet		
	Add F	Project Specific Risk Contingency	15%	€453,960
	Total	Archaeology Base Cost plus Project Specific Risk Contingency		€3,480,362
5	Adv	ance Works and Other Contracts		Total €
	Provi	sion to take account of Actual Costs and Contract Amounts where known	3%	€2,269,802
	Add F	Project Specific Risk Contingency	15%	€340,470
	Total	Advance Works Base Cost plus Project Specific Risk Contingency		€2,610,272
6	Mair	n Contract Supervision (Employer's Costs)		Total €
	Provi	sion to take account of Actual Costs and Contract Amounts where known	5%	€3,783,003
	Add F	Project Specific Risk Contingency	15%	€567,450
	Main	Contract Supervision Base Costs plus Project Specific Risk Contingency		€4,350,453
7	Pub	lic Transport Connectivity/Asset Renewal		Total €
	Provi	sion based on percentage of Main Construction Contract Base Cost	0.0%	€0
	Add F	Project Specific Risk Contingency	15%	€0
	Total	Residual Network Base Cost plus Project Specific Risk Contingency		€0
TOTA	AL LE	VEL 2 ESTIMATE INCLUSIVE OF VAT		€127,960,572
		Mainline Length 174.463	km Rate per km	€733,454
	N.B.	Figures above are INCLUSIVE of VAT - VAT rates utilised are : { 13.5% } Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from Total base costs to include for ALL qualifying costs under each cost heading.	m date of estimate.	











Lev	el 2	Estimate Summary Sheet				
Galw	ay to A	Athlone Cycleway Route Option 5		DATE OF E	STIMATE: June 20	)22
Phase	e <b>2</b>			BASE DATE	FOR RATES: 202	2
INSEF	RT NAN	ME OF TECHNICAL ADVISOR: RPS	INSERT NAME OF	ESTIMATO	R:	RPS
	Mainli	ne Section Type :	3m Cycleway	Mainline Ler	ngth:	181.88
	Link F	Roads Section Type :		Link Roads	Length :	
1	Main	Construction Contract (See attached for				
		kdown presented to Level 2 detail)	Quantity	Unit	Rate €	Total €
	а	New build greenway on Farmland	36.125	km	€ 369,247	€13,339,048
	b	New build greenway on Non-Farm Land	15.967	km	€ 395,356	€6,312,649
	С	New build greenway parallel to rail	0.77	km	€ 466,603	€359,284
	d	Existing track	10.945	km	€ 236,082	€2,583,917
	е	BnM railway	20.44	km	€ 276,348	€5,648,553
	f	Old farm road	4.877	km	€ 270,123	€1,317,390
	g	Bog road	6.495	km	€ 164,180	€1,066,349
	h	Planned walk	0	km	€ 275,143	€0
	<u>j</u>	On road shared surface	0.616	km	€ 563,476	€347,101
	k	Rothar road	11.708	km	€ 128,966 € 254,650	€1,509,934 €7,749,749
	m	Cycle track next to rural road	21.849 1.545	km	€ 354,650 € 600,811	€7,748,748 €928,253
	n o	Urban cycle lane Raised boardwalk	0.612	km km	€ 7,513,809	€928,233
	p	Flood embankment path	7.115	km	€ 194,087	€1,380,929
	q	Existing recreational trail	11.28	km	€ 156,463	€1,764,903
	r	Forest road	21.004	km	€ 299,174	€6,283,851
	s	Forest fireline	10.527	km	€ 258,976	€2,726,240
	t	Motorway access track	0	km	€ 178,167	€0
	u	Bridges	-	Nr.	-	€11,163,200
	V	Culverts	-	Nr.	-	€3,738,012
	w	Other Structures	-	Nr.	-	€1,000,000
	Total	Base Cost for Main Construction Contract		-		€73,816,812
	Add P	roject Specific Risk Contingency			15%	€11,072,522
	Sub-T	otal Exclusive of VAT				€84,889,334
	Add V	AT at			13.5%	€11,460,060
	Total	MCC Base Cost plus Project Specific Risk Contingency				€96,349,394
2	Lanc	l and Property - All-In Costs	Quantity	Unit	Rate €	Total €
	а	Early Sign on payment		_	-	€3,195,770
	b	Co-Operation Payment			-	€3,195,770
	C	Mainline (Private Agricultural)	-	На.	-	€1,380,340
	d	Mainline (Private Forestry)	-	Ha.	-	€69,875
	е	Mainline (Private Other)	-	Ha.	-	€468,927
	f	Mainline (Zoned)	-	Ha.	-	€742,095
	g	Mainline (Public)	-	Ha.	-	€0
	h	Injurious Affection / Severance	-	No.	-	€0
	i	General Disturbance	-	No.	-	€3,127,000
	k	Agronomist Costs and other fees	-	No.	-	€1,563,500
	Total	Base Cost for Land and Property				€13,743,277
		roject Specific Risk Contingency			15%	€2,061,492
	Total	L&P Base Cost plus Project Specific Risk Contingency		•		€15,804,769
3	Plan	ning and Design				Total €
بّ	_	sion based on percentage of Main Construction Contract Base Co	st		6%	€4,429,009
		roject Specific Risk Contingency	J.		15%	€664,351
		P&D Base Cost plus Project Specific Risk Contingency			1370	€5,093,360
4	Arch	aeology				Total €











Leve	el 2 Estimate Summary Sheet		
F	Provision to take account of Actual Costs and Contract Amounts where known	4.0%	€2,952,672
/	Add Project Specific Risk Contingency	15%	€442,901
	Total Archaeology Base Cost plus Project Specific Risk Contingency		€3,395,573
5 /	Advance Works and Other Contracts		Total €
F	Provision to take account of Actual Costs and Contract Amounts where known	3%	€2,214,504
/	Add Project Specific Risk Contingency	15%	€332,176
	Total Advance Works Base Cost plus Project Specific Risk Contingency		€2,546,680
6	Main Contract Supervision (Employer's Costs)		Total €
F	Provision to take account of Actual Costs and Contract Amounts where known	5%	€3,690,841
1	Add Project Specific Risk Contingency	15%	€553,626
ľ	Main Contract Supervision Base Costs plus Project Specific Risk Contingency		€4,244,467
7	Public Transport Connectivity/Asset Renewal		Total €
-	Provision based on percentage of Main Construction Contract Base Cost	0.0%	€0
F	Provision based on percentage of Main Construction Contract Base Cost  Add Project Specific Risk Contingency	0.0% 15%	€0
<u> </u>	. •		
F /-	Add Project Specific Risk Contingency		€0 €0
<u>F</u>	Add Project Specific Risk Contingency Total Residual Network Base Cost plus Project Specific Risk Contingency  L LEVEL 2 ESTIMATE INCLUSIVE OF VAT		€0 €0
TOTAL	Add Project Specific Risk Contingency Total Residual Network Base Cost plus Project Specific Risk Contingency  L LEVEL 2 ESTIMATE INCLUSIVE OF VAT	15%	€0 €0 €127,434,243
TOTAL	Add Project Specific Risk Contingency  Total Residual Network Base Cost plus Project Specific Risk Contingency  L LEVEL 2 ESTIMATE INCLUSIVE OF VAT  Mainline Length  N.B. Figures above are INCLUSIVE of VAT - VAT rates utilised are : { 13.5% } Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different	15%  875 km Rate per km	€0 €0 €127,434,243
TOTAL	Add Project Specific Risk Contingency  Total Residual Network Base Cost plus Project Specific Risk Contingency  L LEVEL 2 ESTIMATE INCLUSIVE OF VAT  Mainline Length  N.B. Figures above are INCLUSIVE of VAT - VAT rates utilised are : { 13.5% }  Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different Total base costs to include for ALL qualifying costs under each cost heading.	15%  Rate per km  It from date of estimate.	€0 €0 €127,434,243
TOTAL	Add Project Specific Risk Contingency  Total Residual Network Base Cost plus Project Specific Risk Contingency  L LEVEL 2 ESTIMATE INCLUSIVE OF VAT  Mainline Length  N.B. Figures above are INCLUSIVE of VAT - VAT rates utilised are : { 13.5% } Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different	15%  Rate per km  It from date of estimate.	€0 €0 €127,434,243











Lev	el 2	Estimate Summary Sheet				
Galw	ay to A	Athlone Cycleway Ballinasloe Link	DATE OF ESTIMATE: June 2022  BASE DATE FOR RATES: 2022			
Phase	e 2					
INSER	RT NAN	ME OF TECHNICAL ADVISOR: RPS	INSERT NAME O	F ESTIMATO	)R	RPS
	Mainli	ine Section Type :	3m Cycleway	Mainline Le	ngth :	19.52
	Link F	Roads Section Type :		Link Roads	Length:	
1	Mair	Construction Contract (See attached for	2			
		kdown presented to Level 2 detail)	Quantity	Unit	Rate €	Total €
	а	New build greenway on Farmland	0.79	km	€ 369,247	€291,705
	b	New build greenway on Non-Farm Land	1.104	km	€ 395,356	€436,473
	С	New build greenway parallel to rail	0	km	€ 466,603	€(
	d	Existing track	9.902	km	€ 236,082	€2,337,684
	е	BnM railway	6.013	km	€ 276,348	€1,661,681
	f	Old farm road	0	km	€ 270,123	€0
	g	Bog road	0	km	€ 164,180	€0
	h	Planned walk	0	km	€ 275,143	€0
	j	On road shared surface	0	km	€ 563,476	€0
	k	Rothar road	1.022	km	€ 128,966	€131,803
	m	Cycle track next to rural road	0 100	km	€ 354,650	€0
	n	Urban cycle lane	0.192	km	€ 600,811	€115,356
	0	Raised boardwalk	0	km	€ 7,513,809	€0
	p	Flood embankment path	0	km	€ 194,087 € 156,463	€0
	q	Existing recreational trail Forest road	0	km km	€ 130,403	€0
	r s	Forest fireline	0	km	€ 258,976	€0
	t	Motorway access track	0.501	km	€ 178,167	€89,262
	u	Bridges	0.001	Nr.	-	€639,400
	V	Culverts	_	Nr.	_	€392,388
	w	Other Structures	_	Nr.	_	€0
	Total	Base Cost for Main Construction Contract		1	<u> </u>	€6,095,752
	Add F	Project Specific Risk Contingency			15%	€914,363
		otal Exclusive of VAT		•		€7,010,115
	Add V	/AT at			13.5%	€946,366
	Total	MCC Base Cost plus Project Specific Risk Contingency				€7,956,481
2	Land	d and Property - All-In Costs	Quantity	Unit	Rate €	Total €
	а	Goodwill Payments	-	No.	-	€79,833
	b	Exgratia	-	Km	-	€79,833
	С	Land acquisition (Private Agricultural)	-	Ha.	-	€22,659
	d	Land acquisition (Private Forestry)	-	Ha.	-	€0
	e	Land acquisition (Private Other)	-	Ha.	-	€21,210
	f	Land acquisition (Public)	-	Ha.	-	€0
	<u>g</u>	Injurious Affection / Severance	-	No.	-	€0
	<u>h</u>	General Disturbance	-	No.	-	€106,000
	<u> </u>	Agronomist Costs and other fees	-	No.	-	€53,000
		Base Cost for Land and Property			150/	€362,535 €54,290
		Project Specific Risk Contingency			15%	€54,380 €416,916
		L&P Base Cost plus Project Specific Risk Contingency				€416,915
3	+	ning and Design				Total €
		sion based on percentage of Main Construction Contract Base	Cost		6%	€365,745
	Add Project Specific Risk Contingency 15%				15%	€54,862
	Total	P&D Base Cost plus Project Specific Risk Contingency				€420,607
4	Arch	naeology				Total €
	Provis	sion to take account of Actual Costs and Contract Amounts whe	ere known		4.0%	€243,830
	Add F	Project Specific Risk Contingency			15%	€36,575



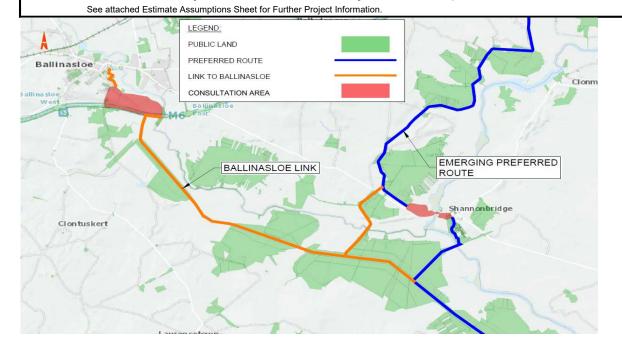








	Total Archaeology Base Cost plus Project Specific Risk Contingency		€280,405	
5	Advance Works and Other Contracts		Total €	
	Provision to take account of Actual Costs and Contract Amounts where known	3%	€182,873	
	Add Project Specific Risk Contingency	15%	€27,43°	
	Total Advance Works Base Cost plus Project Specific Risk Contingency		€210,304	
6	Main Contract Supervision (Employer's Costs)		Total €	
	Provision to take account of Actual Costs and Contract Amounts where known	5%	€304,788	
	Add Project Specific Risk Contingency	15%	€45,718	
	Main Contract Supervision Base Costs plus Project Specific Risk Contingency		€350,500	
7	7 Public Transport Connectivity/Asset Renewal			
	Provision based on percentage of Main Construction Contract Base Cost	0.0%	€0	
	Add Project Specific Risk Contingency	15%	€0	
	Total Residual Network Base Cost plus Project Specific Risk Contingency		€0	
			€9,635,218	
ОТ	AL LEVEL 2 ESTIMATE INCLUSIVE OF VAT			
ОТ	AL LEVEL 2 ESTIMATE INCLUSIVE OF VAT  Mainline Length 19.524	km Rate per km	€493,500	











	Greenway Sustainability Payments					
Private Landowner Bands	Band Length	Total Greenway Sustainability Payment	Average Length	Average Cost Per m in each band		
Band 1	1 - 100	6750	50	135		
Band 2	101 - 250	12000	175.5	68.4		
Band 3	251 - 400	17250	325.5	53		
Band 4	401 - 550	22500	475.5	47.3		
Band 5	550+	22500	550	40.9		
	68.9					
Early Sign on p	34.5					
Co-Operation F	Payment(Based on average o	costs/m across all bands)		34.5		

Land Aquasition Costs					
Inflation	6%	Expected Inflation for 2022 (SCSI/Teagasc 2022)			
	Price per Acre (€)	Price per Acre(€) with inflation			
Agricultural	10962	€11,619.72			
Bog/Marginal/Forestry	5308	€5,626.48			
Zoned Land (15% inflation)	45000	€51,750.00			
Public	0	€0.00			
	Price per Case (€)	Price per Acre(€) with inflation			
Injurious Affection / House	10000	€10,600.00			
Injurious Affection / Severance		€0.00			
General Disturbance	10,000	€10,600.00			
Agronomist Costs and other fees	5,000	€5,300.00			

Distance of land on each route						
Average Width of Land required for Cyclew	ay			10	)	m
	Route 1	Route 2	Route 3	Route 4	Route 5	Link
No. of Houses	150	87	64	166	151	0
No. of Landowners	247	215	160	254	295	10
Privat Agricultural Land(m)	40729	39597	32414	45301	48071	790
Private Forestry (m)	4811	4653	9355	5118	5026	0
Private Other (m)	20449	7471	17242	22858	33731	1524
Zoned Land (m)	6642	5738	6453	5042	5803	0
Public Land (m)	70091	25582	51269	96144	89244	17210
Total Length of Route (km)	142.722	83.041	116.733	174.463	181.875	19.524

	Land Aquasition Costs Route 1					
Main Aqua	Main Aquasition Costs		Rate € per unit	Total €		
а	Early Sign on payment	72631	€ 34.5	€ 2,505,770		
		(m)	Cost Per m			
b	Co-Operation Payment	72631	€ 34.5	€ 2,505,770		
	•	(Acre)	Cost Per (Acre)			
С	Land acquisition (Agricultural)	100.65	€ 11,620	€ 1,169,553		
d	Land acquisition (Forestry)	11.89	€ 5,626	€ 66,893		
е	Land acquisition (Other)	50.53	€ 5,626	€ 284,282		
f	Land acquisition (Zoned Land)	16.41	€ 51,750	€ 849,218		









g	Land acquisition (Public)	173.20		€ 0	
		(No.)	Rate € per unit		
h	Injurious Affection / Severance	247	€0	€0	
j	General Disturbance	247	€ 10,600	€ 2,618,200	
k	Agronomist Costs and other fees	247	€ 5,300	€ 1,309,100	
Total Land	otal Land aquasition Costs				

	Land Aquasition Costs Route 2					
Main Aqua	sition Costs	(m)	Rate € per unit	Total €		
а	Early Sign on payment	57459	€ 34.5	€ 1,982,336		
		(m)	Cost Per m			
b	Co-Operation Payment	57459	€ 34.5	€ 1,982,336		
		(Acre)	Cost Per (Acre)			
С	Land acquisition (Agricultural)	97.85	€ 11,620	€ 1,137,017		
d	Land acquisition (Forestry)	11.50	€ 5,626	€ 64,699		
е	Land acquisition (Other)	18.46	€ 5,626	€ 103,856		
f	Land acquisition (Zoned Land)	14.18	€ 51,750	€ 733,815		
g	Land acquisition (Public)	63.22	€0	€0		
		(No.)	Rate € per unit			
h	Injurious Affection / Severance	215	€0	€0		
j	General Disturbance	215	€ 10,600	€ 2,279,000		
k	Agronomist Costs and other fees	215	€ 5,300	€ 1,139,500		
Total Land	aquasition Costs			€9,422,559		

	Land Aquasition Costs Route 3					
Main Aqua	sition Costs	(m)	Rate € per unit	Total €		
а	Early Sign on payment	65464	€ 34.5	€ 2,258,508		
		(m)	Cost Per m			
b	Co-Operation Payment	65464	€ 34.5	€ 2,258,508		
		(Acre)	Cost Per (Acre)			
С	Land acquisition (Agricultural)	80.10	€ 11,620	€ 930,762		
d	Land acquisition (Forestry)	23.12	€ 5,626	€ 130,073		
е	Land acquisition (Other)	42.61	€ 5,626	€ 239,724		
f	Land acquisition (Zoned Land)	15.95	€ 51,750	€ 825,413		
g	Land acquisition (Public)	126.69	€0	€0		
		(No.)	Rate € per unit			
h	Injurious Affection / Severance	160	€0	€0		
j	General Disturbance	160	€ 10,600	€ 1,696,000		
k	Agronomist Costs and other fees	160	€ 5,300	€ 848,000		
Total Land	aquasition Costs	_		€9,186,988		

Land Aquasition Costs Route 4					
Main Aqua	sition Costs	(m)	Rate € per unit	Total €	
а	Early Sign on payment	78319	€ 34.5	€ 2,702,006	
		(m)	Cost Per m		









b	Co-Operation Payment	78319	€ 34.5	€ 2,702,006
		(Acre)	Cost Per (Acre)	
С	Land acquisition (Agricultural)	111.94	€ 11,620	€ 1,300,743
d	Land acquisition (Forestry)	12.65	€ 5,626	€ 71,169
е	Land acquisition (Other)	56.48	€ 5,626	€ 317,756
f	Land acquisition (Zoned Land)	12.46	€ 51,750	€ 644,805
g	Land acquisition (Public)	237.58	€0	€0
		(No.)	Rate € per unit	
h	Injurious Affection / Severance	254	€ 0	€0
j	General Disturbance	254	€ 10,600	€ 2,692,400
k	Agronomist Costs and other fees	254	€ 5,300	€ 1,346,200
Total Land	al Land aquasition Costs			

	Land Aquasition Costs Route 5					
Main Aqua	sition Costs	(m)	Rate € per unit	Total €		
а	Early Sign on payment	92631	€ 34.5	€ 3,195,770		
	•	(m)	Cost Per m			
b	Co-Operation Payment	92631	€ 34.5	€ 3,195,770		
	•	(Acre)	Cost Per (Acre)			
С	Land acquisition (Agricultural)	118.79	€ 11,620	€ 1,380,340		
d	Land acquisition (Forestry)	12.42	€ 5,626	€ 69,875		
е	Land acquisition (Other)	83.35	€ 5,626	€ 468,927		
f	Land acquisition (Zoned Land)	14.34	€ 51,750	€ 742,095		
g	Land acquisition (Public)	220.53	€0	€0		
		(No.)	Rate € per unit			
h	Injurious Affection / Severance	295	€0	€0		
j	General Disturbance	295	€ 10,600	€ 3,127,000		
k	Agronomist Costs and other fees	295	€ 5,300	€ 1,563,500		
Total Land	aquasition Costs		<u> </u>	€13,743,277		

	Land Aquasition Costs Ballinasloe Link										
Main Aqua	sition Costs	(m)	Rate € per unit	Total €							
а	Early Sign on payment	2314	€ 34.5	€ 79,833							
		(m)	Cost Per m								
b	Co-Operation Payment	2314	€ 34.5	€ 79,833							
		(Acre)	Cost Per (Acre)								
С	Land acquisition (Agricultural)	1.95	€ 11,620	€ 22,659							
d	Land acquisition (Forestry)	0.00	€ 5,626	€(							
е	Land acquisition (Other)	3.77	€ 5,626	€ 21,210							
f	Land acquisition (Zoned Land)	0.00	€ 51,750	€(							
g	Land acquisition (Public)	42.53	€0	€ 0							
		(No.)	Rate € per unit								
h	Injurious Affection / Severance	10	€0	€ (							
j	General Disturbance	10	€ 10,600	€ 106,000							
k	Agronomist Costs and other fees	10	€ 5,300	€ 53,000							
Total Land	aquasition Costs			€362,535							









				Cost E	stimate Stuctur	es Route 1	
Bridges	Maximum Span (m)	No.	Total Span (m)	Width (m)	Rate €/m² (Including 22% Inflation)	Total €	Comments
a Single Span Timber Beam	10	17	170	4	€ 4,735	€ 3,219,800	Small River marked with thin blue line on OSI 50k map - 10m bridge
ь Single Span MY Concrete Beam	20	2	40	4	€ 3,930	€ 628,800	Bunowen River Ballinasloe,     Canal Ballinasloe Town
<sub>C</sub> Single Span Steel Beam	20	0	0	4	€ 4,937	€0	
d Single Span Glulam Beam	20	0	0	4	€ 6,327	€0	
e Single Span TY Concrete Beam	30	1	30	4	€ 4,103	€ 492,360	Bridge over Railway Athenry
f Single Span Steel Vierendeel Truss	25	0	0	4	€ 5,042	€0	
g Single Span Steel Warren Truss	35+	1	35	4	€ 4,908	€ 687,120	Bridge over Railway near GMIT in Galway
h Single Span High Glulam Arch	35	0	0	4	€ 7,669	€0	
j Single Span Through Glulam Arch	35	0	0	4	€ 7,669	€0	
k Single Span High Steel Arch	35+	0	0	4	€ 5,183	€0	
m Single Span Through Steel Arch	35+	0	0	4	€ 5,183	€0	
n Single Span Steel Box Girder	40	0	0	4	€ 10,355	€0	
Single Span Steel Warren Truss / Glulam  o Deck	45	1	45	4	€ 11,778	€ 2,120,040	N18 Dual Carrageway Oranmore
Multiple Span Varying Depth Glulam p Beam	50+	0	0	4	€ 14,030	€0	
q Two Span Steel Box Girder	50+	2	105	4	€ 8,695		1. M6 Motorway Athenry, 2. M18 Motorway Athenry
r Structure at Poolboy Lock	-	1	20	3	€ 250,000	,	Motorway underpass structure at Poolboy Lock Ballinasloe
s Railway Underpass Near Merlin Park	-	1	30	4	€ 2,000,000		Railway underpass near Merlin Park Galway
t Existing Bridge Aliviation Works	-	1	-	-	€ 150,000	€ 150,000	BnM Bridge Shannonbridge East
Total structures Base Cost						€13,200,020	
Culverts			Quantity		Rate €	Total €	
a Culverts			284		€ 5,750	€ 1,633,000	
b Headwalls			568		€ 2,288	€ 1,299,584	
Total Culvert Base Cost						€2,932,584	
Other Structures	Total No.	Total Span (m)	Width (m)	Height (m)	Rate €	Total €	
a Access Ramps /m³	0	0	0	0	€ 110	€0	
b Underpass Works/m³ +B/sloe Lock	0	0	0	0	€ 600,000	€0	
c Allowance for retaing walls etc						€ 1,000,000	
Total other structures Base Cost						€1,000,000	









				Cost E	stimate Stuctur	es Route 2	
Bridges	Maximum Span (m)	No.	Total Span (m)	Width (m)	Rate €/m² (Including 22% Inflation)	Total €	Comments
a Single Span Timber Beam	10	21	210	4	€ 4,735	€ 3,977,400	Small River marked with thin blue line on OSI 50k map - 10m bridge
b Single Span MY Concrete Beam	20	0	0	4	€ 3,930	€ 0	
c Single Span Steel Beam	20	0	0	4	€ 4,937	€ 0	
d Single Span Glulam Beam	20	0	0	4	€ 6,327	€ 0	
e Single Span TY Concrete Beam	30	0	0	4	€ 4,103	€ 0	
f Single Span Steel Vierendeel Truss	25	0	0	4	€ 5,042	€ 0	
g Single Span Steel Warren Truss	35+	1	35	4	€ 4,908	€ 687,120	Bridge over Railway near GMIT in Galway
h Single Span High Glulam Arch	35	0	0	4	€ 7,669	€ 0	
j Single Span Through Glulam Arch	35	0	0	4	€ 7,669	€0	
k Single Span High Steel Arch	35+	0	0	4	€ 5,183	€0	
m Single Span Through Steel Arch	35+	0	0	4	€ 5,183	€0	
n Single Span Steel Box Girder	40	0	0	4	€ 10,355	€0	
Single Span Steel Warren Truss / Glulam  o Deck	45	1	45	4	€ 11,778	€ 2,120,040	Replacment structure at halls bridge
Multiple Span Varying Depth Glulam p Beam	50+	1	60	4	€ 14,030	€ 3,367,200	Motorway Between Athlone and Ballinasloe
q Two Span Steel Box Girder	50+	3	185	4	€ 8,695		River Suck Ballinasloe 2. M6 Motorway Athenry.     M18 Motorway Athenry
r Road Underpass		1	30	4	€ 1,000,000	, ,	Underpass at R446/Old Galway Road Athlone
s Railway Underpass	-	1	30	4	€ 2,000,000	€ 2,000,000	1. Railway Underpass at Oranmore
t Existing Bridge Aliviation Works	-	0	1	-	€0	€ 0	
Total structures Base Cost						€19,586,060	
Culverts			Quantity		Rate €	Total €	
a Culverts			166		€ 5,750	€ 954,500	
b Headwalls			332		€ 2,288	€ 759,616	
Total Culvert Base Cost						€1,714,116	
Other Structures	Total No.	Total Span (m)	Width (m)	Height (m)	Rate €	Total €	
a Access Ramps /m³	0	0	0	0	€ 110	€ 0	
b Tunnel Underpass Works/m <sup>3</sup>	0	0	0	0	€ 600,000	€0	
c Allowance for retaing walls etc						€ 1,000,000	
Total other structures Base Cost						€1,000,000	









				Cost E	stimate Stuctur	es Route 3	
Bridges	Maximum Span (m)	No.	Total Span (m)	Width (m)	Rate €/m² (Including 22% Inflation)	Total €	Comments
a Single Span Timber Beam	10	16	160	4	€ 4,735	, ,	Small River marked with thin blue line on OSI 50k map - 10m bridge
b Single Span MY Concrete Beam	20	1	20	4	€ 3,930	€ 314,400	Raford River
c Single Span Steel Beam	20	0	0	4	€ 4,937	€ 0	
d Single Span Glulam Beam	20	0	0	4	€ 6,327	€0	
e Single Span TY Concrete Beam	30	0	0	4	€ 4,103	€0	
f Single Span Steel Vierendeel Truss	25	0	0	4	€ 5,042	€0	
g Single Span Steel Warren Truss	35+	2	70	4	€ 4,908	<u> </u>	Bridge over Railway Athenry,     Bridge over Railway near GMIT in Galway
h Single Span High Glulam Arch	35	0	0	4	€ 7,669	€ 0	
j Single Span Through Glulam Arch	35	0	0	4	€ 7,669	€0	
k Single Span High Steel Arch	35+	0	0	4	€ 5,183	€ 0	
m Single Span Through Steel Arch	35+	0	0	4	€ 5,183	€0	
n Single Span Steel Box Girder	40	0	0	4	€ 10,355	€0	
Single Span Steel Warren Truss / Glulam o Deck	45	1	45	4	€ 11,778	€ 2,120,040	N18 Dual Carrageway Oranmore
Multiple Span Varying Depth Glulam p Beam	50+	0	0	4	€ 14,030	€0	
q Two Span Steel Box Girder	50+	2	105	4	€ 8,695	, ,	1. M6 Motorway Athenry, 2. M18 Motorway Athenry
r Structure at Poolboy Lock	-	1	20	3	€ 250,000		Motorway underpass structure at Poolboy Lock Ballinasloe
s Railway Underpass Near Merlin Park	-	1	30	4	€ 4,000,000	€ 2,000,000	Railway underpass near Merlin Park Galway
t Existing Bridge Aliviation Works	-	1	-	Ť	€ 150,000	€ 150,000	BnM Bridge Shannonbridge East
Total structures Base Cost						€12,890,980	
Culverts			Quantity		Rate €	Total €	
a Culverts			232		€ 5,750	€ 1,334,000	
b Headwalls			464		€ 2,288	€ 1,061,632	
Total Culvert Base Cost						€2,395,632	
Other Structures	Total No.	Total Span (m)	Width (m)	Height (m)	Rate €	Total €	
a Access Ramps /m³	0	0	0	0	€ 110	€0	
b Underpass Works/m³ +B/sloe Lock	0	0	0	0	€ 600,000	€0	
c Allowance for retaing walls etc						€ 1,000,000	
Total other structures Base Cost						€1,000,000	









				Cost E	stimate Stuctur	es Route 4	
Bridges	Maximum Span (m)	No.	Total Span (m)	Width (m)	Rate €/m² (Including 22% Inflation)	Total €	Comments
a Single Span Timber Beam	10	28	280	4	€ 4,735	€ 5,303,200	Small River marked with thin blue line on OSI 50k map - 10m bridge
b Single Span MY Concrete Beam	20	1	20	4	€ 3,930	€ 314,400	Dooyertha River Kilconirein
c Single Span Steel Beam	20	0	0	4	€ 4,937	€0	
d Single Span Glulam Beam	20	0	0	4	€ 6,327	€0	
e Single Span TY Concrete Beam	30	0	0	4	€ 4,103	€0	
f Single Span Steel Vierendeel Truss	25	0	0	4	€ 5,042	€0	
g Single Span Steel Warren Truss	35+	2	70	4	€ 4,908		Bridge over Railway Athenry     Bridge over Railway near GMIT in Galway
h Single Span High Glulam Arch	35	0	0	4	€ 7,669	€ 0	
j Single Span Through Glulam Arch	35	0	0	4	€ 7,669	€ 0	
k Single Span High Steel Arch	35+	0	0	4	€ 5,183	€ 0	
m Single Span Through Steel Arch	35+	0	0	4	€ 5,183	€ 0	
n Single Span Steel Box Girder	40	0	0	4	€ 10,355	€ 0	
Single Span Steel Warren Truss / Glulam o Deck	45	1	45	4	€ 11,778	€ 2,120,040	N18 Dual Carrageway Oranmore
Multiple Span Varying Depth Glulam p Beam	50+	0	0	4	€ 14,030	€0	
q Two Span Steel Box Girder	50+	3	155	4	€ 8,695	, ,	M18 Motorway Athenry, 2. M6 Motorway Athenry     Duniry River Sawnagh Portumna
r Railway Underpass Near Merlin Park	-	1	30	4	€ 4,000,000	, ,	Railway underpass near Merlin Park Galway
s Existing Bridge Aliviation Works	-	1	-	-	€ 150,000	,	BnM Bridge Shannonbridge South
Total structures Base Cost						€16,652,780	
Culverts			Quantity		Rate €	Total €	
a Culverts			348		€ 5,750	€ 2,001,000	
b Headwalls			696		€ 2,288	€ 1,592,448	
Total Culvert Base Cost						€3,593,448	
Other Structures	Total No.	Total Span (m)	Width (m)	Height (m)	Rate €	Total €	
a Access Ramps /m³	0	0	0	0	€ 110	€ 0	
b Tunnel Underpass Works/m <sup>3</sup>	1	20	5	3	€ 600,000	€ 600,000	Exinting M6 motorway underpass south of Athenry
c Allowance for retaing walls etc						€ 1,000,000	
Total other structures Base Cost						€1,600,000	









				Cost E	stimate Stuctur	es Route 5	
Bridges	Maximum Span (m)	No.	Total Span (m)	Width (m)	Rate €/m² (Including 22% Inflation)	Total €	Comments
a Single Span Timber Beam	10	22	220	4	€ 4,735	€ 4,166,800	Small River marked with thin blue line on OSI 50k map - 10m bridge
ь Single Span MY Concrete Beam	20	3	60	4	€ 3,930	€ 943,200	Derrywee River Derrybrien Gort River Clarin River Clarinbridge
<sub>C</sub> Single Span Steel Beam	20	0	0	4	€ 4,937	€0	
d Single Span Glulam Beam	20	0	0	4	€ 6,327	€0	
e Single Span TY Concrete Beam	30	3	90	4	€ 4,103		Bridge over Railway in Gort,     Bridge over Railway near GMIT in Galway 3. Gort River
f Single Span Steel Vierendeel Truss	25	0	0	4	€ 5,042	€ 0	
g Single Span Steel Warren Truss	35+	1	35	4	€ 4,908		Dunkellin River Kilcolgan
h Single Span High Glulam Arch	35	0	0	4	€ 7,669	€0	
j Single Span Through Glulam Arch	35	0	0	4	€ 7,669	€0	
k Single Span High Steel Arch	35+	0	0	4	€ 5,183	€0	
m Single Span Through Steel Arch	35+	0	0	4	€ 5,183	€0	
n Single Span Steel Box Girder	40	0	0	4	€ 10,355	€0	
Single Span Steel Warren Truss / Glular O Deck	m 45	0	0	4	€ 11,778	€0	
Multiple Span Varying Depth Glulam p Beam	50+	0	0	4	€ 14,030	€0	
q Two Span Steel Box Girder	50+	1	50	4	€ 8,695		2. Duniry River Sawnagh Portumna
r Railway Underpass Near Merlin Park	-	1	30	4	€ 2,000,000		Railway underpass near Merlin Park Galway
s Existing Bridge Aliviation Works	-	1	_	-	€ 150,000		BnM Bridge Shannonbridge South
Total structures Base Cost						€11,163,200	
Culverts			Quantity		Rate €	Total €	
a Culverts			362		€ 5,750	€ 2,081,500	
b Headwalls			724		€ 2,288	€ 1,656,512	
Total Culvert Base Cost					€3,738,012		
Other Structures	Total No.	Total Span (m)	Width (m)	Height (m)	Rate €	Total €	
a Access Ramps /m³	0	0	0	0	€ 110	€0	
b Underpass Works/m³	0	0	0	0	€ 600,000	€0	
c Allowance for retaing walls etc						€ 1,000,000	
Total other structures Base Cost						€1,000,000	









			Co	ost Estim	nate Stuctures B	allinasloe Link	
Bridges	Maximum Span (m)	No.	Total Span (m)	Width (m)	Rate €/m² (Including 22% Inflation)	Total €	Comments
a Single Span Timber Beam	10	1	10	4	€ 4,735	€ 189,400	Small River marked with thin blue line on OSI Discovery map 10m bridge
b Single Span MY Concrete Beam	20	0	0	4	€ 3,930	€0	
c Single Span Steel Beam	20	0	0	4	€ 4,937	€0	
d Single Span Glulam Beam	20	0	0	4	€ 6,327	€0	
e Single Span TY Concrete Beam	30	0	0	4	€ 4,103	€0	
f Single Span Steel Vierendeel Truss	25	0	0	4	€ 5,042	€0	
g Single Span Steel Warren Truss	35+	0	0	4	€ 4,908	€0	
h Single Span High Glulam Arch	35	0	0	4	€ 7,669	€0	
j Single Span Through Glulam Arch	35	0	0	4	€ 7,669	€0	
k Single Span High Steel Arch	35+	0	0	4	€ 5,183	€0	
m Single Span Through Steel Arch	35+	0	0	4	€ 5,183	€0	
n Single Span Steel Box Girder	40	0	0	4	€ 10,355	€0	
Single Span Steel Warren Truss / Glulam o Deck	45	0	0	4	€ 11,778	€0	
Multiple Span Varying Depth Glulam p Beam	50+	0	0	4	€ 14,030	€0	
q Two Span Steel Box Girder	50+	0	0	4	€ 8,695	€0	
r Structure at Poolboy Lock	-	1	20	4	€ 250,000	€ 250,000	Motorway underpass structure at Poolboy Lock Ballinasloe
s Existing Bridge Aliviation Works	-	1	-	1	€ 200,000	€ 200,000	BnM Bridge Shannonbridge
Total structures Base Cost						€639,400	
Culverts			Quantity		Rate €	Total €	
a Culverts			38		€ 5,750	€ 218,500	
b Headwalls			76		€ 2,288	€ 173,888	
Total Culvert Base Cost						€392,388	
Other Structures	Total No.	Total Span (m)	Width (m)	Height (m)	Rate €	Total €	
a Access Ramps /m³	0	0	0	0	€ 110	€0	
b Underpass Works/m³	0	0	-	-	€ 250,000	€0	
c Allowance for retaing walls etc							
Total other structures Base Cost						€0	











	=	Dropdown menu		Cueleure	. Location 6	
	=	User Input Program Output		Cycleway	Location G	alway to Athlone
	_	r rogram Output		Build Type	Greenway	on Farmland
				Route		AII
		Coole Ma		•		unc
Cycleway Width Calculator		Cycle Ma	anuai	Additional	DIVI	URS
<u>cycleway width calculator</u>	Inside Edge	Cycling Regime	Outside Edge	Features	Pedestria	n Activity
	0	0	0	0		0
	=>	Required Width	0.00	m		
1) Site Clearance			0.00	1		
General Site Clearance / m2	1,000	5	]	1.04	5,200.00	
				Total Sit	te Clearance	5,200.00
2) Fencing Steel Guardrail / m	0	214.69	0.00			
Rumble Strip / m	0	8.11	0.00			
Residential Fence / m	0	37.19	0.00			
Agricultural Fence / m	1,500	37.82	56,730.00			
Mesh/Conrete Fence / m	0	64.05	0.00			
Timber Post & Rail / m	0	37.19	0.00			
Gate / no	5	969.54	4,847.70			
3) Drainage and Service Ducts				To	otal Fencing	61,577.70
Carrier Drains / m	0	56.73	0.00			
Filter Drains / m	0	88.55	0.00			
Gullies / no	0	738.10	0.00			
Pipe Crossings / no	0	6,173.80	0.00			
Manholes / no	0	2,300.00	0.00			
Allowance for drainage % of MCC	€319,663.66	0.05	15,983.18	<u> </u>		
4) Earthworks			Total I	Drainage and S	ervice Ducts	15,983.18
Excavation; Acceptable material Class 5A	1,000	5	0.3	5.47	8,205.00	
Excavation; Unacceptable material Class U1	,,,,,,		500	4.40	2,200.00	
Excavate Hard Material (Rock) / m3			50	24.29	1,214.50	
Excavate Hard Material (Pavement) / m3				9.90	0.00	
Disposal; Acceptable material Class 5A	1,000	5	0.3	2.21	3,315.00	
Disposal; Unacceptable material Class U1			500	17.15	8,575.00	
Importing Fill / m3	1,500	5	0.5	16.93	63,487.50	
Compacting Fill / m3	1,000	5	0.5	2.84	7,100.00	
5) Pavements				lotai	Earthworks	94,097.00
	Full	1 4		Surface Depth	Path Width Asphalt	
Trail Type	Construction	9		Base Depth Sub-Base Depth	Type A Garmiar Material  Type B Grandar Materia	•
Description		A Inside Edge B Cycling Reg	C Outside Edge D	Additional Features	Greenway Cross Section	Geofestie.
•		Kodo 0,25m Single File	0.75m 30kpt 3.0m wide lane 0.50m Uphil	0,25m p bendu 0,25m	Path Width	
Width	3	Channel Guily 0,25m Portion in one present	sing 1.25m SORA, 2.0m wide lane 0.75m Cycle Step	in making 0.50m Surface Depth Base Depth	Asptuit Type A Granular Material	
Length	1000	m Wall, Fence or Credit 0,65m Back Two Way	1.75m Blabed helts, diagond Month Marie Ma	and primary schools, 0.25m changes, or for	Existing Sub-Base	
Surface Depth	0.035	_ <u>*</u>		risund bles		Geologie
Base Depth	0.1	Poles or Buleads 0,50m Single File - Owen Prolety using real in the Company of th	Ming. 2.00m (in cyclesery) act. 0.25m (in cyclesery)	ded cars (min O.Dar)		
CBR	2	%	ing 2.50m Tani	ing poster cyclists 0.50em Surface Depti	Asphat (	
Sub-Base Depth	0.15	m			Hesanacing Cross Section	
		1				
Surface course / m2	3,000	12.25	36,750.00			
Base course / m2	3,200	16.99	54,368.00			
Sub-Base 150mm deep/ m2	3,200	4.67	14,944.00			
Fill/m2	E 000	5.86	0.00			
Geotextile / m2 Cold Milling / m2	5,000	2.14 4.88	10,700.00 0.00			
Cold Willing / IIIZ	U	4.88	0.00	Total	l Pavements	116,762.00
6) Kerbs, Footways and Paved Areas				Total	aveinents	110,702.00
Footway / m2	0	45.75	0.00			
		-				











Kerb / m	0	30.50	0.00		
			Total Kerbs	, Footways and Paved Areas	0.0
7) Traffic Signs Information Signs / no	1	427.00	427.00		
Traffic Signs / no	1	610.00	610.00		
Tranic Signs / 110		010.00	010.00	Total Signage	1,037.0
Access Control, Traffic Signals and Crossings					1,037.
Toucan Crosssing / no	0	17,250.00	0.00		
Permanent Zebra Crosssing / no	2	575.00	1,150.00		
Permanent Bollard / no	0	435.54	0.00		
Tactile / m2	0	103.70	0.00		
Raised Table / no	0	172.50	0.00		
			Total Access Contr	ol, Traffic Signals and Crossings	1,150.0
No Paint	0 1	0	n/a	0.00	
Cont. White 100mm Cycle Markings / m	1000		2.68	2,680.00	
Carriageway Road Markings / m	0		2.68	0.00	
Cycle Track Yield Marking / no	4		57.34	229.36	
Letters / no	10		63.25	632.50	
Letters (2.8m High) / no	0		110.69	0.00	
Cycle Symbol / no	5		86.62	433.10	
				Total Road Markings	3,974.
0) Lighting and Electrical	0	0	122.00	0.00	
LED Ground Lights / no	U	0	274.50	0.00	
Underbridge Lantern / no	0	0	29.52	0.00	
Service Ducting with 100mm duct / m	U			otal Lighting and Electrical	0.0
L1) Landscaping and Environmental				otal Eighting and Electrical	0.0
Topsoiling / m2	2,000		2.14	4,280.00	
Grass Seeding / m2	2,000		0.73	1,460.00	
Tree Planting / no		20	143.75	2,875.00	
Environmental Screening / m	250		32.20	8,050.00	
Environment & Ecology	,			6,100.00	
			Total Lands	caping and Environmental	22,765.0
12) Accommodation Works	0	0.00	0.00		
Accommodation works / m	U	0.00	0.00 Tot	tal Accommodation Works	10,000.0
3) Statutory Authorities & Utilities					
Ducting / m	0		32.06	0.00	
General Works / m	0		61.00	0.00	
Chambers / no	L	0	1,403.00	0.00	
(4) Other Costs				Total Utilities Diversions	0.0
Ancillary Facilities (see tab)					3,100.0
.5) Preliminaries					
Preliminaries			10%		33,600.0
Sanaral Comments		Total Estimated C	ost Rural Constru	uction per Km	€369,246.
General Comments	This is a cost e	stimate per km fo	r Rural section of	f the Galway to Athlone Cyclewa	у.
		acquisition costs.		, ,	•

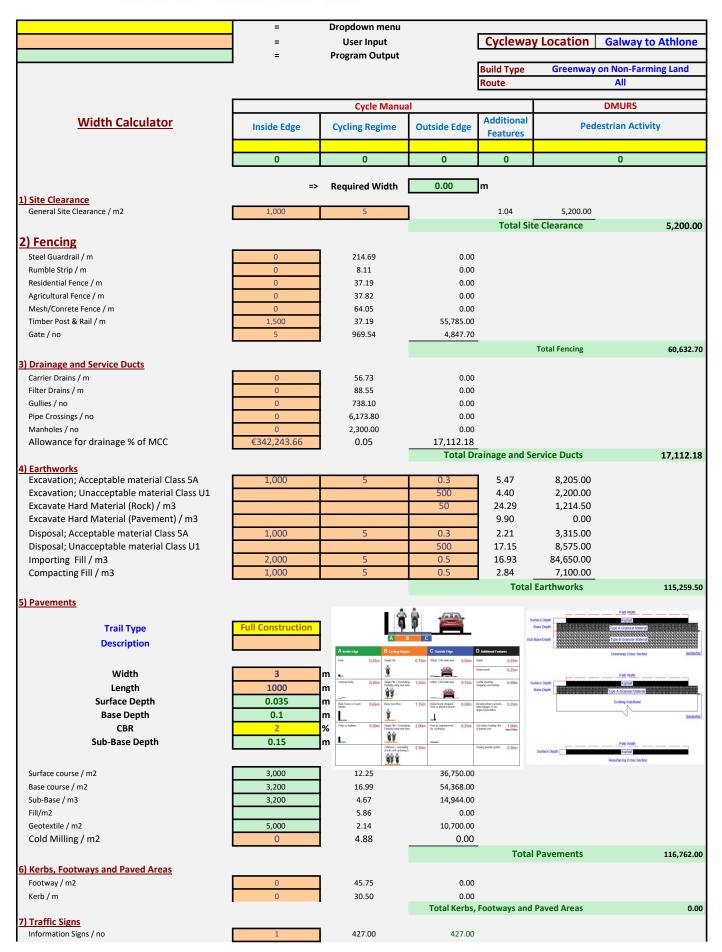






















Traffic Signs / no	1	610.00	610.00	)	
				Total Signage	1,037.0
Access Control, Traffic Signals and Crossings				5 0	_,,
Toucan Crosssing / no	0	17,250.00	0.00		
Permanent Zebra Crosssing / no	2	575.00	1,150.00		
Permanent Bollard / no	0	435.54	0.00		
Tactile / m2	0	103.70	0.00		
Raised Table / no	0	172.50	0.00		
Raiseu Table / 110	U	1/2.50		_	
9) Road Markings			Total Access Co	ontrol, Traffic Signals and Crossings	1,150.
No Paint	0	0	n/a	0.00	
Cont. White 100mm Cycle Markings / m	1000		2.68	2,680.00	
Carriageway Road Markings / m	0		2.68	0.00	
Cycle Track Yield Marking / no	4	_	57.34	229.36	
Letters / no	10	_	63.25	632.50	
Letters (2.8m High) / no	0		110.69	0.00	
Cycle Symbol / no	5		86.62	433.10	
				Total Road Markings	3,974.9
LO) Lighting and Electrical	0	1	122.00	0.00	
LED Ground Lights / no	0	0	122.00	0.00	
Underbridge Lantern / no		0	274.50	0.00	
Service Ducting with 100mm duct / m	0		29.52	0.00	
				Total Lighting and Electrical	0.0
11) Landscaping and Environmental		_			
Topsoiling / m2	2,000		2.14	4,280.00	
Grass Seeding / m2	2,000		0.73	1,460.00	
Tree Planting / no		50	143.75	7,187.50	
Environmental Screening / m	500		32.20	16,100.00	
Environment & Ecology				6,100.00	
			Total Lan	dscaping and Environmental	35,127.5
12) Accommodation Works					
Accommodation works / m	0	0.00	0.00	)	
			Tot	tal Accommodation Works	0.0
3) Statutory Authorities & Utilities		_			
Ducting / m	0		32.06	0.00	
General Works / m	0		61.00	0.00	
Chambers / no		0	1,403.00	0.00	
				<b>Total Utilities Diversions</b>	0.0
14) Other Costs					
Ancillary Facilities (see tab)					3,100.0
L5) Preliminaries					
Preliminaries			109	%	36,000.0
		Total Estimated Cos	st Rural Construc	ction per Km	€395,355.8
General Comments					, , , , ,
ocheral comments	This is a cost actimo	te per km for Rural section	of the Galway to At	hlone Cycleway	
	Excludes Land acqui	•	or the Galway to At	inione Cycleway.	
	excludes Land acqui	SILIUTI CUSTS.			

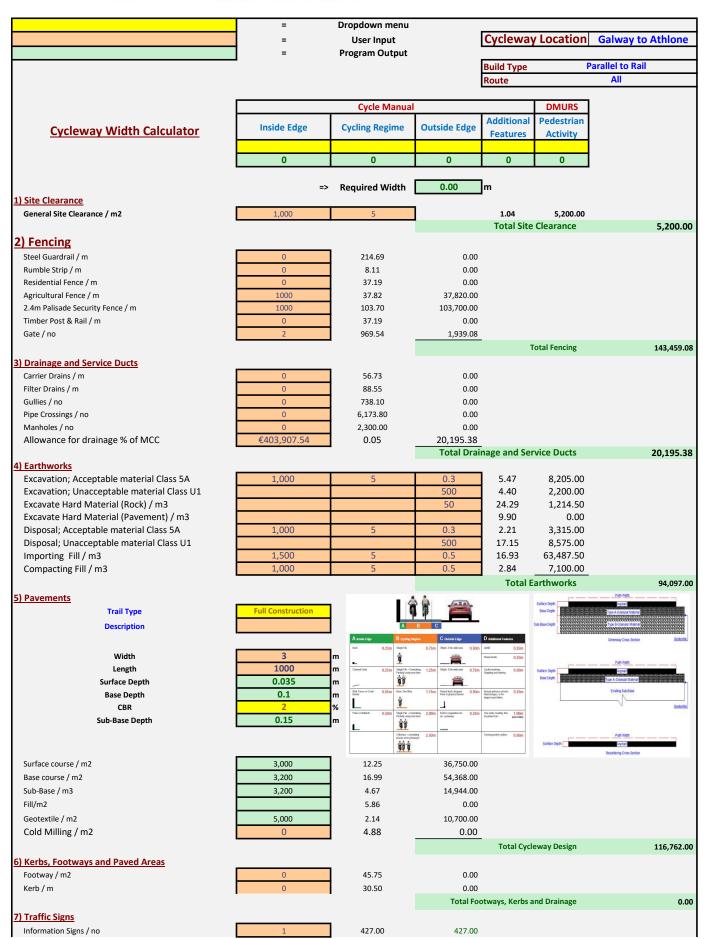






















- m - m					
Traffic Signs / no	1	610.00	610.00	Total Cianasa	4 007 6
8) Access Control, Traffic Signals and Crossings				Total Signage	1,037.
Toucan Crosssing / no	0	17,250.00	0.00		
	2	575.00	1,150.00		
Permanent Zebra Crosssing / no			•		
Permanent Bollard / no	0	435.54	0.00		
Tactile / m2	0	103.70	0.00		
Raised Table / no	0	172.50	0.00	raffic Signals and Crossings	1,150.
9) Road Markings			al Access Collifol, 1	ramic signals and crossings	1,130.
No Paint	0	0	n/a	0.00	
Cont. White 100mm Cycle Markings / m	1000		2.68	2,680.00	
Carriageway Road Markings / m	0		2.68	0.00	
	4			229.36	
Cycle Track Yield Marking / no			57.34		
Letters / no	10		63.25	632.50	
Letters (2.8m High) / no	0		110.69	0.00	
Cycle Symbol / no	5		86.62	433.10	
				Total Road Markings	3,974.
10) Lighting and Electrical					
Lighting Columns / no	0	0	1,543.30	0.00	
Underbridge Lantern / no		0	274.50	0.00	
Service Ducting with 100mm duct / m	0		29.52	0.00	
				Total Public Lighting	0.
11) Landscaping and Environmental					
Topsoiling / m2	2000		2.14	4,280.00	
Grass Seeding / m2	2000		0.73	1,460.00	
Tree Planting / no		50	143.75	7,187.50	
Environmental Screening / m	500		32.20	16,100.00	
Environment & Ecology				6,100.00	
				Total Landscaping	35,127.
12) Accommodation Works					
Accommodation works / m	0	0.00	0.00		
			Total A	accommodation Works	0.0
13) Statutory Authorities & Utilities					
Ducting / m	0		32.06	0.00	
General Works / m	0		61.00	0.00	
Chambers / no	Į	0	1,403.00	0.00	
				<b>Total Utilities Diversions</b>	0
14) Other Costs					
Ancillary Facilities (see tab)					3,100.
L5) Preliminaries					
Preliminaries  Preliminaries			10%		42,500.
Freiiminaries	F	Total Estimated (	Cost Urban Constru	ction per Km	€466,602.
				, ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2400,002
General Comments	This is a cost estimate pe	r km for Urhan secti	on of the Galway to Ath	Ilone Cycleway	
General Comments			on on the Galway to Atl	Sysieway.	
	Excludes Land acquisition	n costs.			

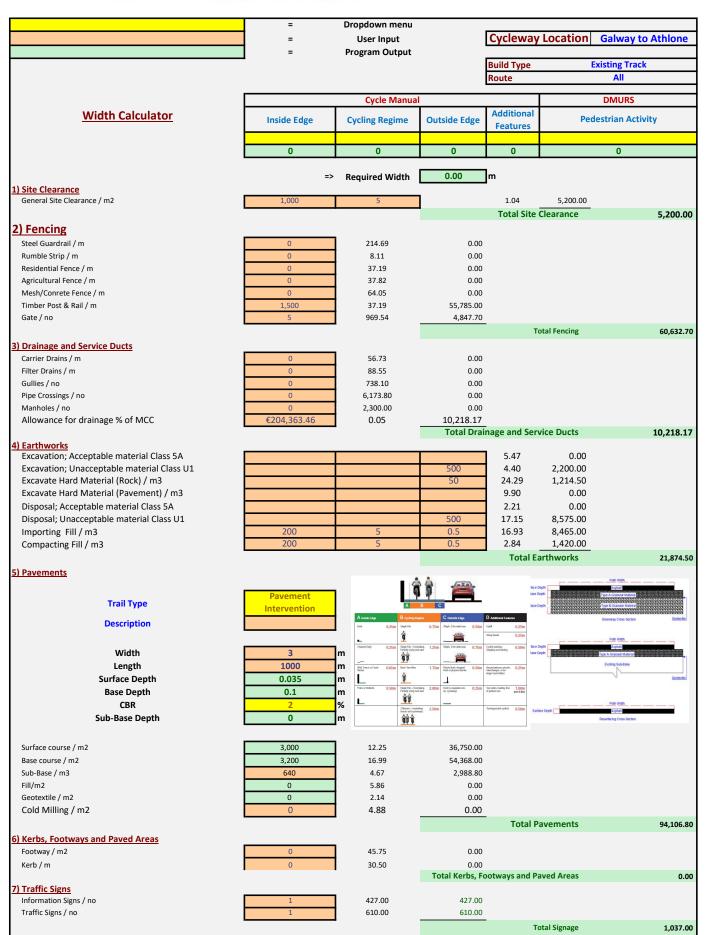






















8) Access Control, Traffic Signals and Crossings					
Toucan Crosssing / no	0	17,250.00	0.00		
Permanent Zebra Crosssing / no	2	575.00	1,150.00		
Permanent Bollard / no	0	435.54	0.00		
Tactile / m2	0	103.70	0.00		
Raised Table / no	0	172.50	0.00		
			tal Access Control, T	raffic Signals and Crossings	1,150.00
9) Road Markings					
No Paint	0	0	n/a	0.00	
Cont. White 100mm Cycle Markings / m	1000		2.68	2,680.00	
Carriageway Road Markings / m	0		2.68	0.00	
Cycle Track Yield Marking / no	4		57.34	229.36	
Letters / no	10		63.25	632.50	
Letters (2.8m High) / no	0		110.69	0.00	
Cycle Symbol / no	5		86.62	433.10	
		_		Total Road Markings	3,974.96
10) Lighting and Electrical					
LED Ground Lights / no	0	0	122.00	0.00	
Underbridge Lantern / no		0	274.50	0.00	
Service Ducting with 100mm duct / m	0		29.52	0.00	
		<del>_</del>		Total Public Lighting	0.00
11) Landscaping and Environmental		<u>_</u>			
Topsoiling / m2	0		2.14	0.00	
Grass Seeding / m2	0		0.73	0.00	
Tree Planting / no		50	143.75	7,187.50	
Environmental Screening / m	0		32.20	0.00	
Environment & Ecology	•	_		6,100.00	
				Total Landscaping	13,287.50
12) Accommodation Works		_			
Accommodation works / m	0	0.00	0.00		
			Total A	Accommodation Works	0.00
13) Statutory Authorities & Utilities	0	-	32.06	0.00	
Ducting / m					
General Works / m	0	0	61.00 1,403.00	0.00 0.00	
Chambers / no		U	1,403.00	Total Utilities Diversions	0.00
14) Other Costs				Total Othities Diversions	0.00
Ancillary Facilities (see tab)					3,100.00
15) Preliminaries					
Preliminaries			10%		21,500.00
		Total Estimated Co	ost Rural Construct	ion per Km	€236,081.6
General Comments					
	This is a cost estimate	per km for Rural section	of the Galway to Athlo	one Cycleway.	
	Excludes Land acquisit	tion costs.			

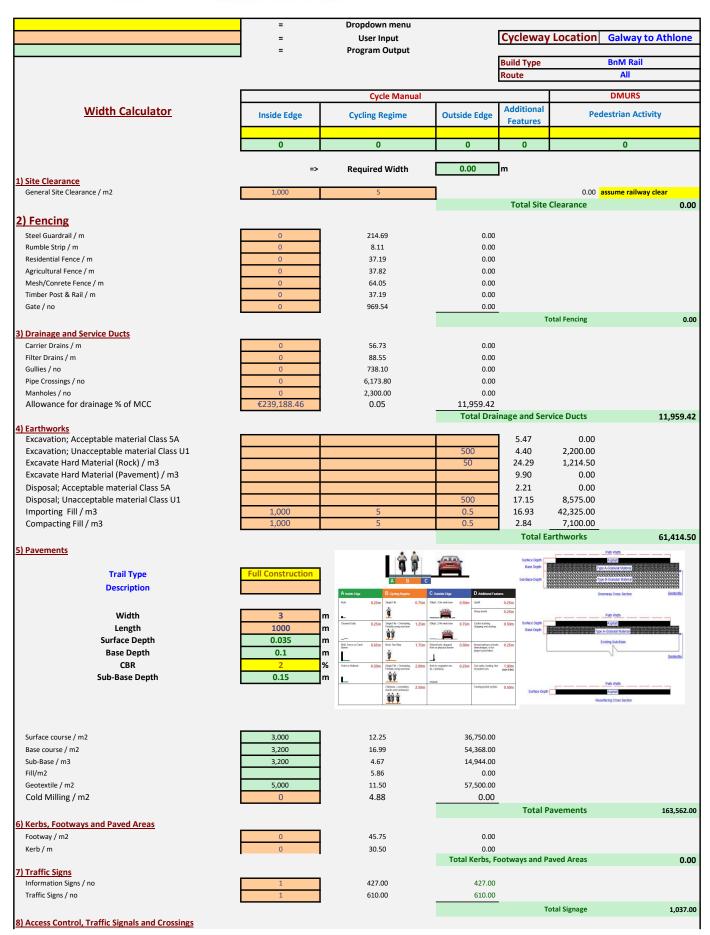






















Toucan Crosssing / no	0	17,250.00	0.00		
Permanent Zebra Crosssing / no	0	575.00	0.00		
Permanent Bollard / no	0	435.54	0.00		
Tactile / m2	0	103.70	0.00		
Raised Table / no	0	172.50	0.00		
			etal Access Control, Traffic Signals and Crossings		0.00
9) Road Markings					
No Paint	0	0	n/a	0.00	
Cont. White 100mm Cycle Markings / m	1000		2.68	2,680.00	
Carriageway Road Markings / m	0		2.68	0.00	
Cycle Track Yield Marking / no	4		57.34	229.36	
Letters / no	10		63.25	632.50	
Letters (2.8m High) / no	0		110.69	0.00	
Cycle Symbol / no	5		86.62	433.10	
				Total Road Markings	3,974.9
0) Lighting and Electrical					5,51
LED Ground Lights / no	0	0	122.00	0.00	
Underbridge Lantern / no		0	274.50	0.00	
Service Ducting with 100mm duct / m	0		29.52	0.00	
			Total Lighting and Electrical		0.0
.1) Landscaping and Environmental				· - <b>6</b> ····· <b>6</b> ·····	0.0
Topsoiling / m2	0		2.14	0.00	
Grass Seeding / m2	0		0.73	0.00	
Tree Planting / no		0	143.75	0.00	
Environmental Screening / m	0		32.20	0.00	
Environment & Ecology	-			6,100.00	
Environment & Ecology			Total Landscaping and Environmental		6,100.0
.2) Accommodation Works					5,2333
Accommodation works / m	0	0.00	0.00		
			Total Accommodation Wo		0.0
3) Statutory Authorities & Utilities					
Ducting / m	0		32.06	0.00	
General Works / m	0		61.00	0.00	
Chambers / no		0	1,403.00	0.00	
				Total Utilities Diversions	0.0
(4) Other Costs					
Ancillary Facilities (see tab)					3,100.0
L5) Preliminaries					25.000
Preliminaries	ı	Tatal Fatimated Cost Burel	10%	25,200.0	
		Total Estimated Cost Rural	Construction per K		€276,347.8
General Comments					
		per km for Rural section of the G	alway to Athlone Cyclev	vay.	
	Excludes Land acquisit	ion costs.			

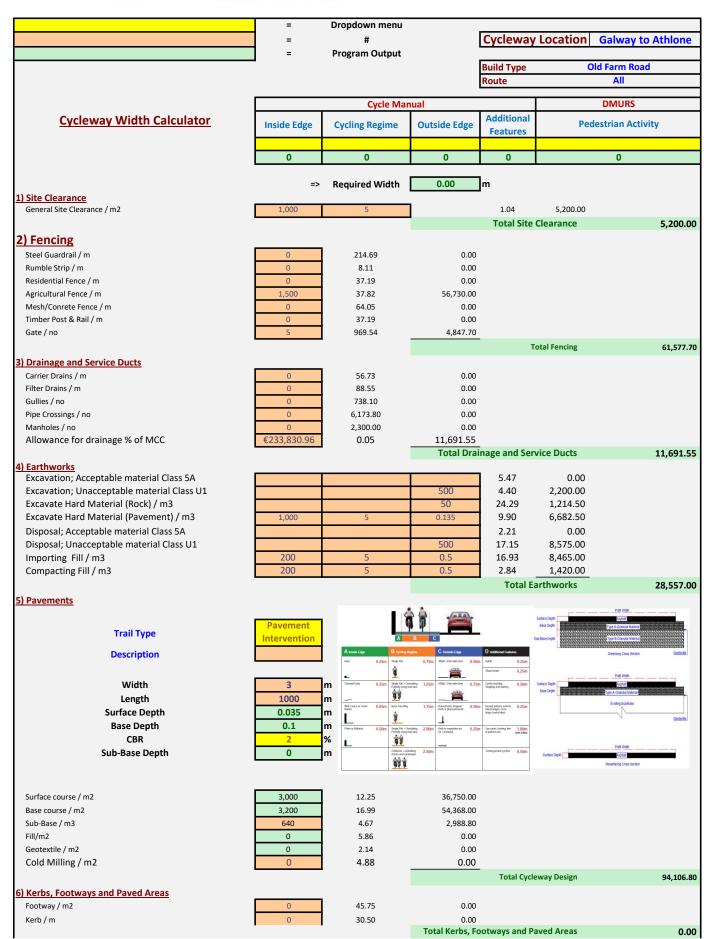






















7) Traffic Signs Information Signs / no	1	427.00	427.00		
Traffic Signs / no	1	610.00	610.00		
		_		- Total Signage	1,037.00
8) Access Control, Traffic Signals and Crossings					
Toucan Crosssing / no	0	17,250.00	0.00		
Permanent Zebra Crosssing / no	2	575.00	1,150.00		
Permanent Bollard / no	0	435.54	0.00		
Tactile / m2	0	103.70	0.00		
Raised Table / no	0	172.50	0.00		
		_	otal Access Control,	Traffic Signals and Crossings	1,150.00
9) Road Markings					
No Paint	0	0	n/a	0.00	
Cont. White 100mm Cycle Markings / m	1000		2.68	2,680.00	
Carriageway Road Markings / m	0		2.68	0.00	
Cycle Track Yield Marking / no	4		57.34	229.36	
Letters / no	10		63.25	632.50	
Letters (2.8m High) / no	0		110.69	0.00	
Cycle Symbol / no	5		86.62	433.10	
		-		Total Road Markings	3,974.96
10) Lighting and Electrical					
LED Ground Lights / no	0	0	122.00	0.00	
Underbridge Lantern / no		0	274.50	0.00	
Service Ducting with 100mm duct / m	0		29.52	0.00	
			Tota	l Lighting and Electrical	0.00
11) Landscaping and Environmental		_			
Topsoiling / m2	2,000		2.14	4,280.00	
Grass Seeding / m2	2,000		0.73	1,460.00	
Tree Planting / no		50	143.75	7,187.50	
Environmental Screening / m	500		32.20	16,100.00	
Environment & Ecology				6,100.00	
			Total Landsca	oing and Environmental	35,127.50
12) Accommodation Works	_	<b>-</b>			
Accommodation works / m	0	0.00	0.00		
13) Statutory Authorities & Utilities			Iotal	Accommodation Works	0.00
Ducting / m	0		32.06	0.00	
General Works / m	0		61.00	0.00	
Chambers / no	U	0	1,403.00	0.00	
Chambers / no		0	1,403.00	Total Utilities Diversions	0.00
14) Other Costs					0.00
Ancillary Facilities (see tab)					3,100.00
15) Preliminaries					
Preliminaries			10%		24,600.00
		Total Estimated Cos	st Rural Construct	ion per Km	€270,122.51
General Comments					
	This is a cost es	stimate per km for Rural s	ection of the Galway	to Athlone Cycleway.	
		acquisition costs.		<u>.                                    </u>	
			•		

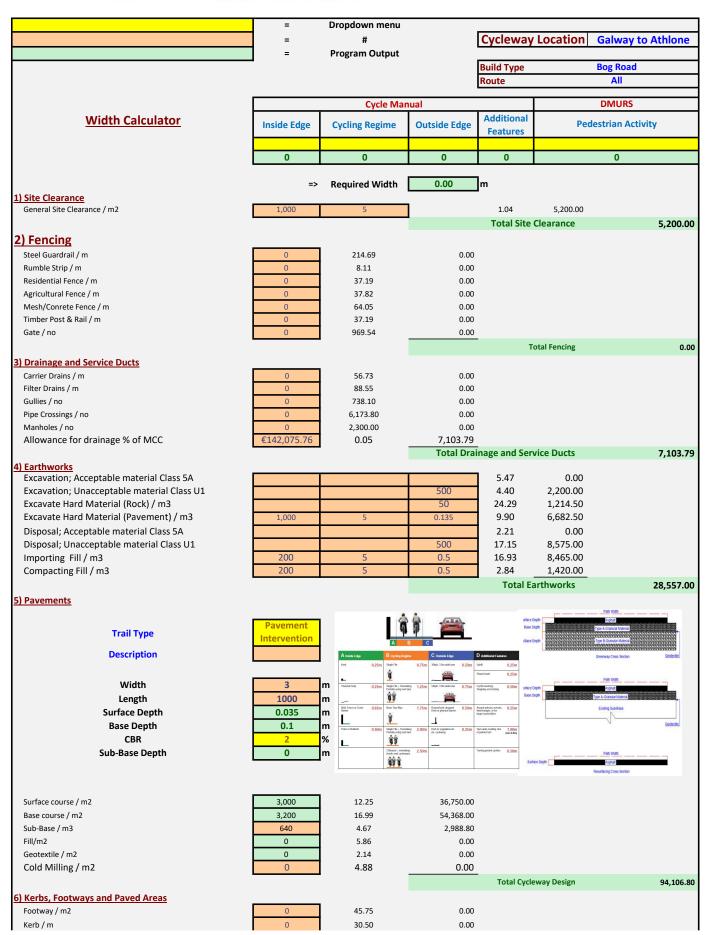






















			Total Kerbs, Fo	ootways and Paved Areas	0.00
7) Traffic Signs		1 427.00	427.00		
Information Signs / no	1	427.00	427.00		
Traffic Signs / no	1	610.00	610.00	Total Cianaga	
P) Access Control Troffic Signals and Crossings				Total Signage	1,037.0
8) Access Control, Traffic Signals and Crossings Toucan Crossing / no	0	17,250.00	0.00		
Permanent Zebra Crosssing / no	0	575.00	0.00		
Permanent Bollard / no	0	435.54	0.00		
Tactile / m2	0	103.70	0.00		
Raised Table / no	0	172.50	0.00	Treffic Signals and Superiors	
O) Dood Markings			otal Access Control,	Traffic Signals and Crossings	0.0
9) Road Markings No Paint	0	0	n/a	0.00	
Cont. White 100mm Cycle Markings / m	1000	Ü	2.68	2,680.00	
Carriageway Road Markings / m	0	ł	2.68	0.00	
				229.36	
Cycle Track Yield Marking / no	4		57.34		
Letters / no	10		63.25	632.50	
Letters (2.8m High) / no	0		110.69	0.00	
Cycle Symbol / no	5		86.62	433.10	2.074.6
.0) Lighting and Electrical				Total Road Markings	3,974.9
LED Ground Lights / no	0	0	122.00	0.00	
	Ü	0	274.50	0.00	
Underbridge Lantern / no	0	U	29.52	0.00	
Service Ducting with 100mm duct / m	Ü	l		I Lighting and Electrical	0.0
11) Landscaping and Environmental			100	in Lighting and Licetifical	0.0
Topsoiling / m2	0	i	2.14	0.00	
Grass Seeding / m2	0	i	0.73	0.00	
Tree Planting / no		0	143.75	0.00	
Environmental Screening / m	0		32.20	0.00	
	-	l			
Environment & Ecology			Total Landso	6,100.00_ aping and Environmental	6,100.0
12) Accommodation Works			10001 2011000	ap8 aa =	0,100.0
Accommodation works / m	0	0.00	0.00		
			Total	Accommodation Works	0.0
13) Statutory Authorities & Utilities					
Ducting / m	0		32.06	0.00	
General Works / m	0		61.00	0.00	
Chambers / no	•	0	1,403.00	0.00	
				Total Utilities Diversions	0.0
14) Other Costs					
Ancillary Facilities (see tab)					3,100.0
15) Preliminaries					
Preliminaries			10%		15,000.0
		Total Estimated Cos	t Rural Construct	ion per Km	€164,179.5
General Comments					
	This is a cost est	timate per km for Rural s	ection of the Galway	to Athlone Cycleway.	
	Excludes Land a	cquisition costs.			
		•	-,	. ,	

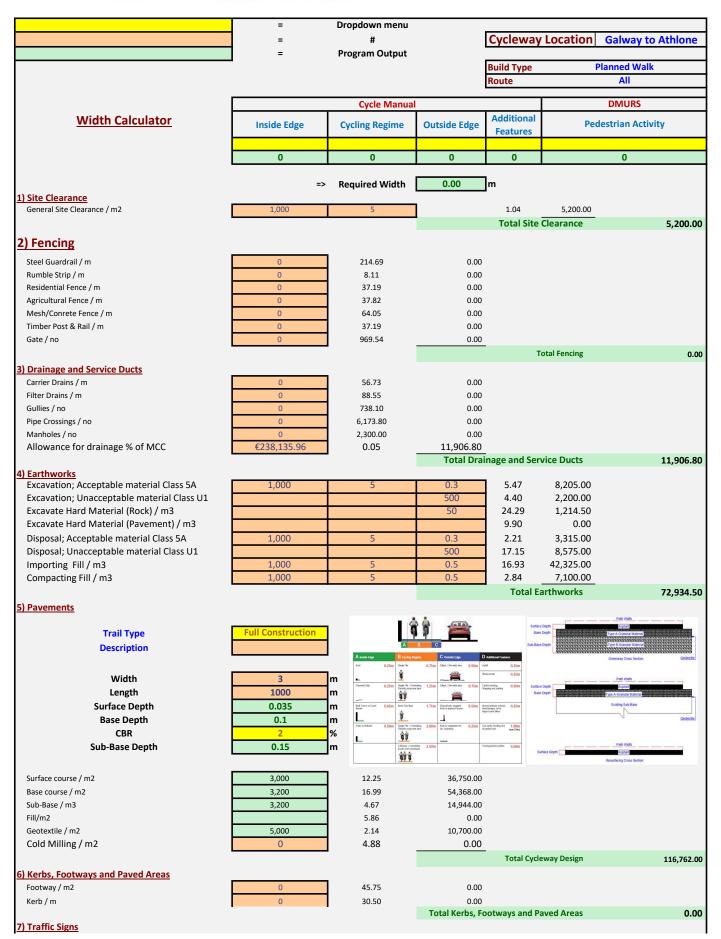






















General Comments		Total Estillated Co	Joe Marar Construc	Non-per Kin	€2/3,142./
LS) Preliminaries Preliminaries		Total Estimated Co	10%		25,100.0 €275,142.7
L4) Other Costs  Ancillary Facilities (see tab)					3,100.0
				Total Utilities Diversions	0.0
Chambers / no		0	1,403.00	0.00	
General Works / m	0		61.00	0.00	
3) Statutory Authorities & Utilities  Ducting / m	0		32.06	0.00	
Ī			Total	Accommodation Works	0.0
Accommodation works / m	0	0.00	0.00		
2) Accommodation Works			10101 20110000		55,117
Environment & Ecology			Total Landsca	ping and Environmental	35,127.
Environment & Ecology	300		32.20	6,100.00	
Environmental Screening / m	500	50	32.20	16,100.00	
Grass Seeding / m2 Tree Planting / no	2,000	50	0.73 143.75	1,460.00 7,187.50	
Topsoiling / m2	2,000		2.14	4,280.00	
1) Landscaping and Environmental		_			
			Tota	al Lighting and Electrical	0.
Service Ducting with 100mm duct / m	0		29.52	0.00	
Underbridge Lantern / no		0	274.50	0.00	
LED Ground Lights / no	0	0	122.00	0.00	
0) Lighting and Electrical			_		
				Total Road Markings	3,974
Cycle Symbol / no	5		86.62	433.10	
Letters (2.8m High) / no	0		110.69	0.00	
Letters / no	10		63.25	632.50	
Cycle Track Yield Marking / no	4		57.34	229.36	
Carriageway Road Markings / m	0	_	2.68	0.00	
No Paint  Cont. White 100mm Cycle Markings / m	1000	0	n/a 2.68	0.00 2,680.00	
9) Road Markings			_		
			otal Access Control,	Traffic Signals and Crossings	0
Raised Table / no	0	172.50	0.00	-	
Tactile / m2	0	103.70	0.00		
Permanent Bollard / no	0	435.54	0.00		
Permanent Zebra Crosssing / no	0	575.00	0.00		
Toucan Crosssing / no	0	17,250.00	0.00		
Access Control, Traffic Signals and Crossings					2,007
				- Total Signage	1,037
Information Signs / no Traffic Signs / no	1	427.00 610.00	427.00 610.00		

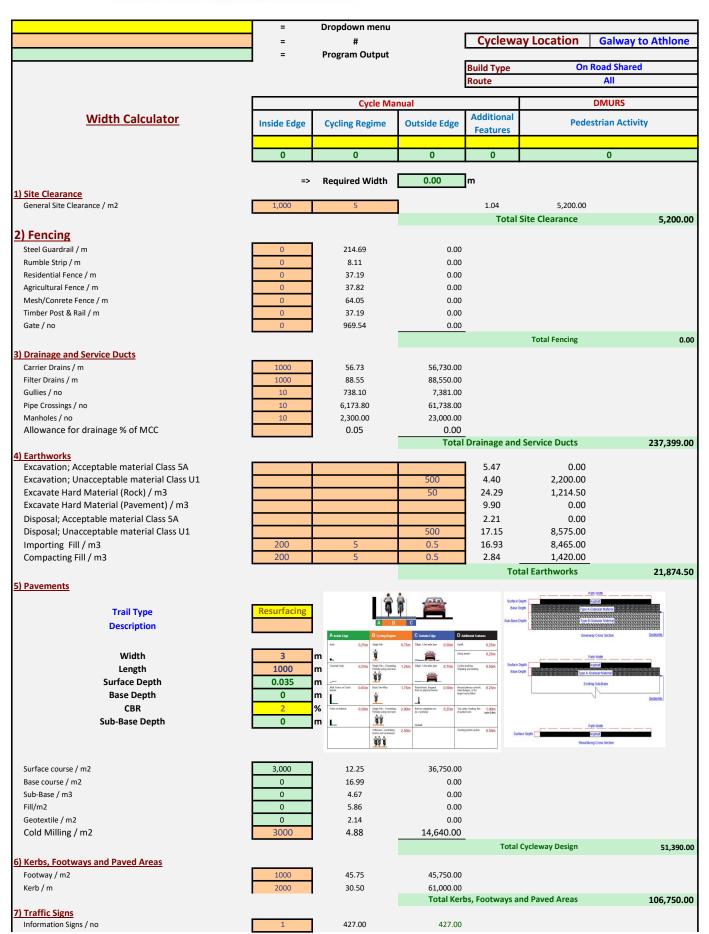






















Traffic Signs / no	1	610.00	610.00		
		_		- Total Signage	1,037.00
8) Access Control, Traffic Signals and Crossings					
Toucan Crosssing / no	0	17,250.00	0.00		
Permanent Zebra Crosssing / no	0	575.00	0.00		
Permanent Bollard / no	0	435.54	0.00		
Tactile / m2	0	103.70	0.00		
Raised Table / no	0	172.50	0.00	-	
			Total Access Con	trol, Traffic Signals and Crossings	0.00
9) Road Markings					
No Paint	0	0	n/a	0.00	
Cont. White 100mm Cycle Markings / m	1000		2.68	2,680.00	
Carriageway Road Markings / m	0		2.68	0.00	
Cycle Track Yield Marking / no	4		57.34	229.36	
Letters / no	10		63.25	632.50	
Letters (2.8m High) / no	0		110.69	0.00	
Cycle Symbol / no	5	1	86.62	433.10	
				Total Road Markings	3,974.96
10) Lighting and Electrical					
LED Ground Lights / no	0	0	122.00	0.00	
Underbridge Lantern / no		0	274.50	0.00	
Service Ducting with 100mm duct / m	0		29.52	0.00	
				Total Lighting and Electrical	0.00
11) Landscaping and Environmental		_			
Topsoiling / m2	0		2.14	0.00	
Grass Seeding / m2	0		0.73	0.00	
Tree Planting / no		0	143.75	0.00	
Environmental Screening / m	0		32.20	0.00	
Environment & Ecology		_		6,100.00	
			Tota	Landscaping and Environmental	6,100.00
12) Accommodation Works		-			
Accommodation works / m	0	0.00	0.00		
13) Statutory Authorities & Utilities			10	otal Accommodation Works	0.00
Ducting / m	10		32.06	320.60	
General Works / m	1000		61.00	61,000.00	
Chambers / no	1000	10	1,403.00	14,030.00	
				Total Utilities Diversions	75,350.60
14) Other Costs					
Ancillary Facilities (see tab)					3,100.00
15) Preliminaries					
Preliminaries			10%		51,300.00
		Total Estimated Cos	t Rural Construct	tion per Km	€563,476.06
General Comments					
<u></u>	This is a cost	estimate per km for Rural	section of the Galwa	ay to Athlone Cycleway.	
		d acquisition costs.		,	

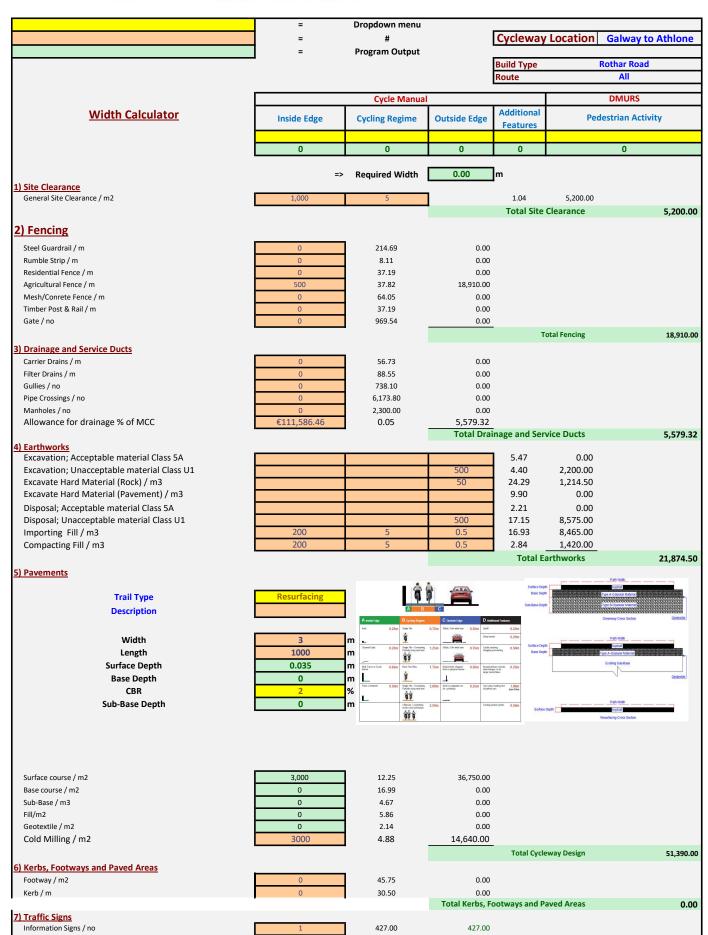






















Traffic Signs / no	1	610.00	610.00		
	-	010.00	010.00	Total Signage	1,037.
Access Control, Traffic Signals and Crossings				Total Signage	1,037.
Toucan Crosssing / no	0	17,250.00	0.00		
Permanent Zebra Crosssing / no	0	575.00	0.00		
Permanent Bollard / no	0	435.54	0.00		
	0	103.70			
Tactile / m2		_	0.00		
Raised Table / no	0	172.50	0.00	- 	_
N Dood Maukings			ital Access Control,	Traffic Signals and Crossings	0.
9) Road Markings					
No Paint	0	0	n/a	0.00	
Cont. White 100mm Cycle Markings / m	1000		2.68	2,680.00	
Carriageway Road Markings / m	0		2.68	0.00	
Cycle Track Yield Marking / no	4		57.34	229.36	
Letters / no	10		63.25	632.50	
Letters (2.8m High) / no	0		110.69	0.00	
Cycle Symbol / no	5		86.62	433.10	
	•	<del>_</del>		Total Road Markings	3,974
0) Lighting and Electrical			_		
LED Ground Lights / no	0	0	122.00	0.00	
Underbridge Lantern / no		0	274.50	0.00	
Service Ducting with 100mm duct / m	0		29.52	0.00	
		_		Total Public Lighting	0
1) Landscaping and Environmental					
Topsoiling / m2	0		2.14	0.00	
Grass Seeding / m2	0		0.73	0.00	
Tree Planting / no		0	143.75	0.00	
Environmental Screening / m	0		32.20	0.00	
Environment & Ecology				6,100.00	
Environment & Ecology				Total Landscaping	6,100
2) Accommodation Works					
Accommodation works / m	0	0.00	0.00		
			Total	Accommodation Works	0.
3) Statutory Authorities & Utilities		_			
Ducting / m	0		32.06	0.00	
General Works / m	0		61.00	0.00	
Chambers / no	•	0	1,403.00	0.00	
				Total Utilities Diversions	0
.4) Other Costs					
Ancillary Facilities (see tab)					3,100
.5) Preliminaries					
Preliminaries			10%		11,800
		Total Estimated Co	ost Rural Construct	tion per Km	€128,965.
General Comments					
Jeneral Comments					
<u> Jeneral Comments</u>	This is a cost estimate	per km for Rural section	of the Galway to Athlor	ne Cycleway.	

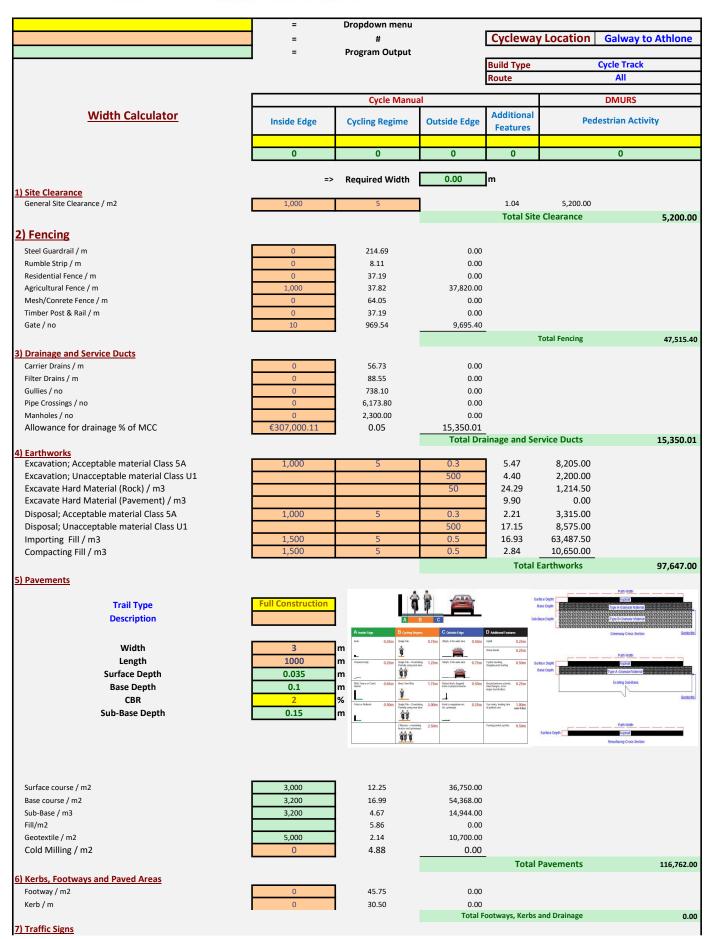






















	This is a cost estimat Excludes Land acquis	te per km for Rural sectio	n of the Galway to At	hlone Cycleway.	
General Comments					
Preliminaries		Total Estimated Co	10% st Rural Construct	ion per Km	32,300.00 €354,650.1
15) Preliminaries					
14) Other Costs  Ancillary Facilities (see tab)					3,100.00
				Total Utilities Diversions	0.00
Chambers / no		0	1,403.00	0.00	
General Works / m	0		61.00	0.00	
Ducting / m	0		32.06	0.00	
13) Statutory Authorities & Utilities			Total	Accommodation Works	10,000.00
Accommodation works / m	0	0.00	0.00	A	40.000
(2) Accommodation Works					
				Total Landscaping	20,613.75
Environment & Ecology				6,100.00	
Environmental Screening / m	250		32.20	8,050.00	
Tree Planting / no		25	143.75	3,593.75	
Grass Seeding / m2	1,000		0.73	730.00	
1) Landscaping and Environmental Topsoiling / m2	1,000	1	2.14	2,140.00	
1) Landacarina and Environmental				Total Public Lighting	0.0
Service Ducting with 100mm duct / m	U		23.32		
Underbridge Lantern / no	0	U	274.50	0.00	
LED Ground Lights / no	0	0	122.00 274.50	0.00 0.00	
0) Lighting and Electrical			122.00	0.00	
				Total Road Markings	3,974.9
Cycle Symbol / no	5		86.62	433.10	
Letters (2.8m High) / no	0		110.69	0.00	
Letters / no	10		63.25	632.50	
Cycle Track Yield Marking / no	4		57.34	229.36	
Carriageway Road Markings / m	0	1	2.68	0.00	
Cont. White 100mm Cycle Markings / m	1000		2.68	2,680.00	
No Paint	0	0	n/a	0.00	
9) Road Markings					
		_	otal Access Control,	Traffic Signals and Crossings	1,150.0
Raised Table / no	0	172.50	0.00		
Tactile / m2	0	103.70	0.00		
Permanent Bollard / no	0	435.54	0.00		
Toucan Crosssing / no Permanent Zebra Crosssing / no	0 2	17,250.00 575.00	1,150.00		
Access Control, Traffic Signals and Crossings	0	17.250.00	0.00		
NA				Total Signage	1,037.0
Traffic Signs / no	1	610.00	610.00		
Information Signs / no Traffic Signs / no	1	427.00 610.00	427.00 610.00		

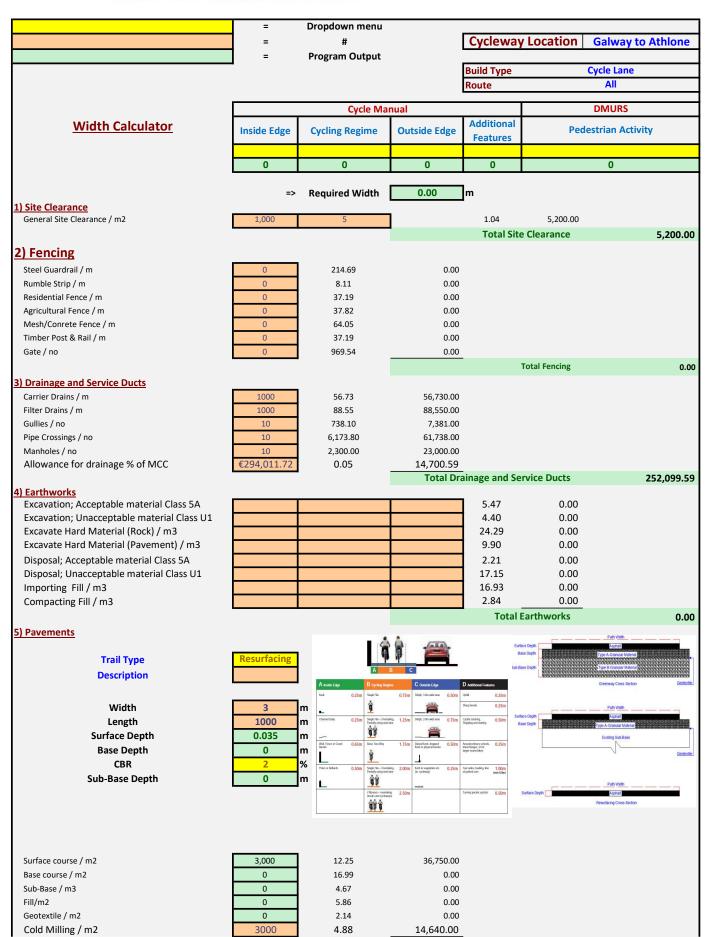






















				Total Cycleway Design	51,390.00
6) Kerbs, Footways and Paved Areas					
Footway / m2	1000	45.75	45,750.00		
Kerb / m	2000	30.50	61,000.00		
			Total Fo	ootways, Kerbs and Drainage	106,750.00
7) Traffic Signs					
Information Signs / no	2	427.00	854.00		
Traffic Signs / no	2	610.00	1,220.00		
				Total Signage	2,074.0
Access Control, Traffic Signals and Crossing					
Toucan Crosssing / no	2	17,250.00	34,500.00		
Permanent Zebra Crosssing / no	2	575.00	1,150.00		
Permanent Bollard / no	4	435.54	1,742.16		
Tactile / m2 Raised Table / no	0	103.70 172.50	0.00		
Raiseu Table / 110	0	172.30		- " "	
0) = 1			otal Access Control,	Traffic Signals and Crossings	37,392.1
9) Road Markings	0		1/2	0.00	
No Paint	0	0	n/a	0.00	
Cont. White 100mm Cycle Markings / m	1000		2.68	2,680.00	
Carriageway Road Markings / m  Cycle Track Yield Marking / no	1000		2.68 57.34	2,680.00 229.36	
Letters / no	10		63.25	632.50	
Letters (2.8m High) / no	0	-	110.69	0.00	
Cycle Symbol / no	5	-	86.62	433.10	
C, 4.10 C, 1.1.20.7 1.10			00.02	Total Road Markings	6,654.9
(a) Calatina and Floridael				Total Road Walkings	0,034.3
LO) Lighting and Electrical	0	0	122.00	0.00	
LED Ground Lights / no		0	274.50	0.00	
Underbridge Lantern / no Service Ducting with 100mm duct / m	0	Ü	29.52	0.00	
Service Ducting with 100mm duct / m				Total Public Lighting	0.0
(1) Landscaping and Environmental				Total Fublic Lighting	0.0
Topsoiling / m2	0	7	2.14	0.00	
Grass Seeding / m2	0		0.73	0.00	
Tree Planting / no		0	143.75	0.00	
Environmental Screening / m	0		32.20	0.00	
Environment & Ecology				6,100.00	
5,				Total Landscaping	6,100.0
2) Accommodation Works					
Accommodation works / m	0	0.00	0.00		
			Total	Accommodation Works	0.0
3) Statutory Authorities & Utilities		_			
Ducting / m	10		32.06	320.60	
General Works / m	1000	10	61.00	61,000.00	
Chambers / no		10	1,403.00	14,030.00	75 250 (
A) Other Costs				Total Utilities Diversions	75,350.6
Ancillary Facilities (see tab)					3,100.0
					-,
L5) Preliminaries			400/		F4 700 6
Preliminaries		Total Estimated Cos	t Rural Constructi	ion ner Km	54,700.0 €600,811.3
S		Total Estillated COS	t italai constitucti	ion per kill	€000,811.3
General Comments	The contract of	and and a second		t- Athlese Cod	
		estimate per km for Rural	section of the Galwa	y to Athione Cycleway.	
	Excludes Land	d acquisition costs.			

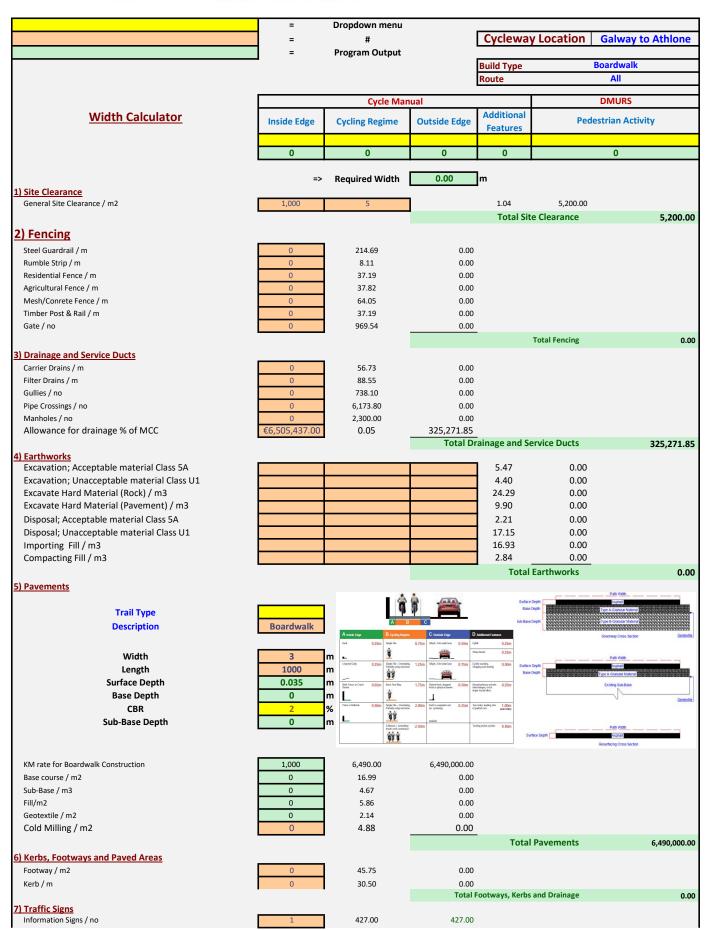






















Traffic Signs / no	1	610.00	610.00	)	
				Total Signage	1,037.00
8) Access Control, Traffic Signals and Crossings					,
Toucan Crosssing / no	0	17,250.00	0.00	)	
Permanent Zebra Crosssing / no	0	575.00	0.00	)	
Permanent Bollard / no	0	435.54	0.00	)	
Tactile / m2	0	103.70	0.00	)	
Raised Table / no	0	172.50	0.00	)	
		_	otal Access Contro	ol, Traffic Signals and Crossings	0.00
9) Road Markings					
No Paint	0	0	n/a	0.00	
Cont. White 100mm Cycle Markings / m	0		2.68	0.00	
Carriageway Road Markings / m	0		2.68	0.00	
Cycle Track Yield Marking / no	0		57.34	0.00	
Letters / no	0		63.25	0.00	
Letters (2.8m High) / no	0		110.69	0.00	
Cycle Symbol / no	0		86.62	0.00	
		_		Total Road Markings	0.00
10) Lighting and Electrical					
LED Ground Lights / no	0	0	122.00	0.00	
Underbridge Lantern / no		0	274.50	0.00	
Service Ducting with 100mm duct / m	0		29.52	0.00	
, and the <b>G</b> of the term,		_	To	otal Lighting and Electrical	0.00
11) Landscaping and Environmental					
Topsoiling / m2	0		2.14	0.00	
Grass Seeding / m2	0		0.73	0.00	
Tree Planting / no		0	143.75	0.00	
Environmental Screening / m	0		32.20	0.00	
Environment & Ecology		_		6,100.00	
Environment & Ecology			Total Lands	caping and Environmental	6,100.00
12) Accommodation Works					,
Accommodation works / m	0	0.00	0.00	_	
40) 0 4			101	al Accommodation Works	0.00
13) Statutory Authorities & Utilities	0		32.06	0.00	
Ducting / m	0	_			
General Works / m	0	2	61.00	0.00	
Chambers / no		0	1,403.00	0.00  Total Utilities Diversions	0.00
14) Other Costs				Total Callace Diversions	0.00
Ancillary Facilities (see tab)					3,100.00
15) Preliminaries Preliminaries			109	6	683,100.00
- reminifica		Total Estimated Co			€7,513,808.8
Company Company		- Ctal Estimated Co		, , , , , , , , , , , , , , , , , , ,	C7,313,000.03
General Comments	71.1.1.1.1			Addison Colons	
		estimate per km for Rural	section of the Galwa	y to Atnione Cycleway.	
	Excludes Land	I acquisition costs.			

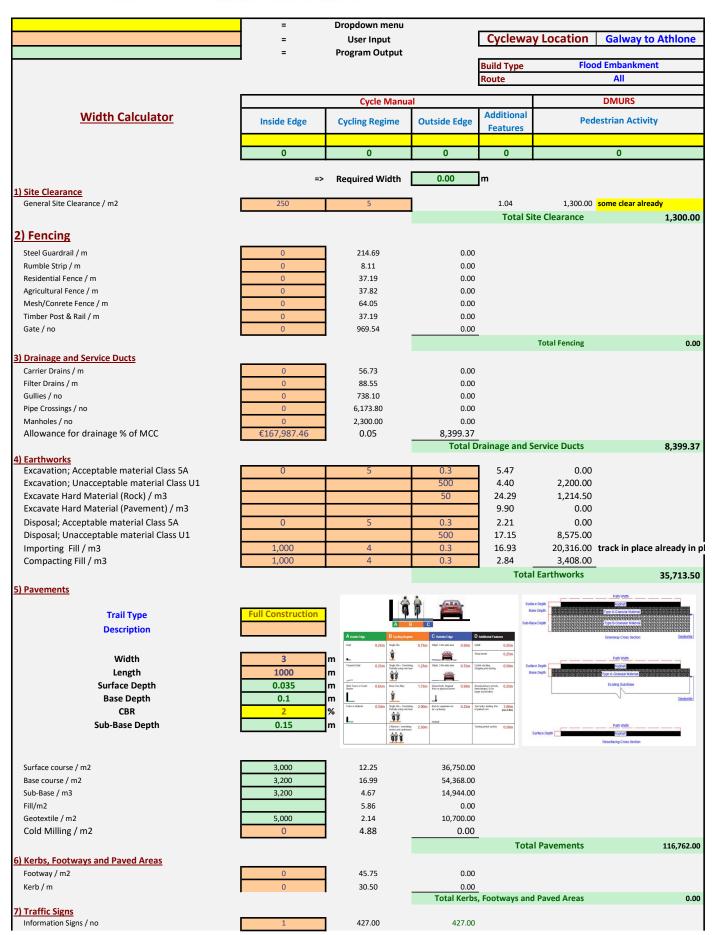






















Traffic Signs / no	1	610.00	610.00		
				Total Signage	1,037.0
8) Access Control, Traffic Signals and Crossings					
Toucan Crosssing / no	0	17,250.00	0.00		
Permanent Zebra Crosssing / no	0	575.00	0.00		
Permanent Bollard / no	0	435.54	0.00		
Tactile / m2	0	103.70	0.00		
Raised Table / no	0	172.50	0.00		
			Total Access Contro	ol, Traffic Signals and Crossings	0.0
9) Road Markings					
No Paint	0	0	n/a	0.00	
Cont. White 100mm Cycle Markings / m	1000		2.68	2,680.00	
Carriageway Road Markings / m	0		2.68	0.00	
Cycle Track Yield Marking / no	4		57.34	229.36	
Letters / no	10		63.25	632.50	
Letters (2.8m High) / no	0		110.69	0.00	
Cycle Symbol / no	5		86.62	433.10	
		_		Total Road Markings	3,974.
O) Understand					
.0) Lighting and Electrical	0	0	122.00	0.00	
LED Ground Lights / no	U	0	274.50	0.00	
Underbridge Lantern / no	0	U	29.52	0.00	
Service Ducting with 100mm duct / m	0			otal Lighting and Electrical	_
(1) Landscaping and Environmental				otal Lighting and Liectrical	0.
Topsoiling / m2	0	_	2.14	0.00	
Grass Seeding / m2	0		0.73	0.00	
Tree Planting / no	Ü	0	143.75	0.00	
Environmental Screening / m	0	Ü	32.20	0.00	
	U		32.20		
Environment & Ecology				6,100.00 Total Landscaping	6,100.
(2) Accommodation Works				Total Editascaping	0,100.
Accommodation works / m	0	0.00	0.00		
			Tot	al Accommodation Works	0.0
3) Statutory Authorities & Utilities		_			
Ducting / m	0		32.06	0.00	
General Works / m	0		61.00	0.00	
Chambers / no		0	1,403.00	0.00	
IA) Other Costs				Total Utilities Diversions	0.
14) Other Costs					3 400
Ancillary Facilities (see tab)					3,100.
15) Preliminaries					
Preliminaries			10%		17,700.0
		Total Estimated Co	ost Rural Construct	tion per Km	€194,086.8
General Comments					_
	This is a cost estim	ate per km for Rural section	on of the Galway to At	hlone Cycleway.	
	Excludes Land acqu		•		
			on of the Galway to At	nione Cycleway.	

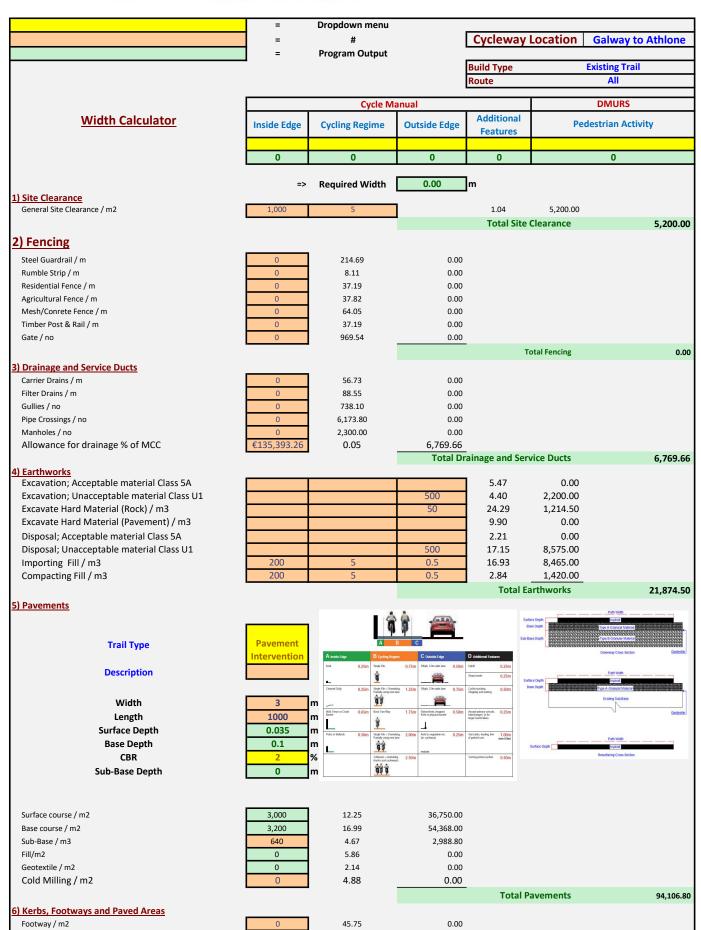






















	0	30.50	0.00		
Kerb / m	U	30.50		Footways and Paved Areas	0.0
7) Traffic Signs					
Information Signs / no	1	427.00	427.00		
Traffic Signs / no	1	610.00	610.00		
	•	_		Total Signage	1,037.0
3) Access Control, Traffic Signals and Crossings					
Toucan Crosssing / no	0	17,250.00	0.00		
Permanent Zebra Crosssing / no	0	575.00	0.00		
Permanent Bollard / no	0	435.54	0.00		
Tactile / m2	0	103.70	0.00		
Raised Table / no	0	172.50	0.00		
		_	Total Access Contro	l, Traffic Signals and Crossings	0.0
9) Road Markings					
No Paint	0	0	n/a	0.00	
Cont. White 100mm Cycle Markings / m	1000		2.68	2,680.00	
Carriageway Road Markings / m	0	_	2.68	0.00	
Cycle Track Yield Marking / no	4	_	57.34	229.36	
Letters / no	10	_	63.25	632.50	
Letters (2.8m High) / no	0	_	110.69	0.00	
Cycle Symbol / no	5		86.62	433.10	
		_		Total Road Markings	3,974.
0) Lighting and Electrical					
LED Ground Lights / no	0	0	122.00	0.00	
Underbridge Lantern / no		0	274.50	0.00	
Service Ducting with 100mm duct / m	0		29.52	0.00	
		<del>_</del>	To	tal Lighting and Electrical	0.0
L1) Landscaping and Environmental					
Topsoiling / m2	0		2.14	0.00	
Grass Seeding / m2	0		0.73	0.00	
Tree Planting / no		0	143.75	0.00	
Environmental Screening / m	0		32.20	0.00	
Environment & Ecology		_		6,100.00	
<u>.</u>			Total Landsc	aping and Environmental	6,100.0
12) Accommodation Works		_			
Accommodation works / m	0	0.00	0.00		
			Tota	l Accommodation Works	0.0
13) Statutory Authorities & Utilities		_			
Ducting / m	0		32.06	0.00	
General Works / m	0		61.00	0.00	
Chambers / no		0	1,403.00	0.00  Total Utilities Diversions	0.4
(4) Other Costs				rotal Guittes Diversions	0.0
Ancillary Facilities (see tab)					3,100.0
L5) Preliminaries					
Preliminaries			10%		14,300.0
		Total Estimated Co	st Rural Construct	ion per Km	€156,462.9
General Comments					
	This is a cost	estimate per km for Rura	section of the Galway	to Athlone Cycleway.	
		d acquisition costs.			

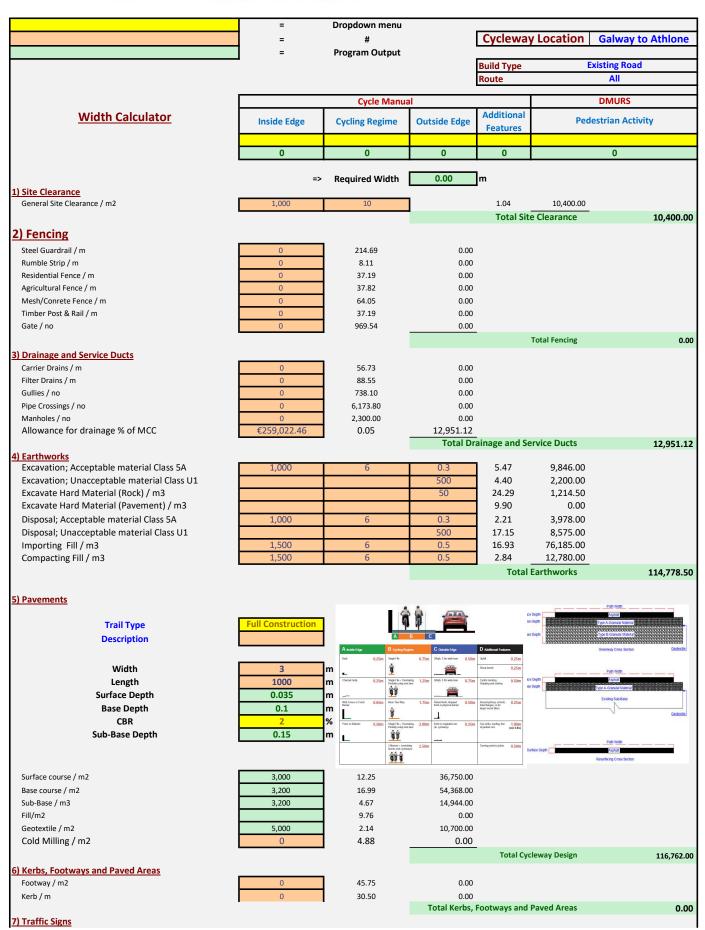






















Information Signs / no	1	427.00	427.00		
Traffic Signs / no	1	610.00	610.00		
			525.00	- Total Signage	1,037.0
) Access Control, Traffic Signals and Crossings				1014101811480	1,037.0
Toucan Crosssing / no	0	17,250.00	0.00		
Permanent Zebra Crosssing / no	0	575.00	0.00		
Permanent Bollard / no	0	435.54	0.00		
Tactile / m2	0	103.70	0.00		
Raised Table / no	0	172.50	0.00		
naisea rasie / no		172.50		- , Traffic Signals and Crossings	0.0
9) Road Markings				,	0.0
No Paint	0	0	n/a	0.00	
Cont. White 100mm Cycle Markings / m	1000		2.68	2,680.00	
Carriageway Road Markings / m	0		2.68	0.00	
Cycle Track Yield Marking / no	4		57.34	229.36	
Letters / no	10		63.25	632.50	
Letters (2.8m High) / no	0		110.69	0.00	
Cycle Symbol / no	5		86.62	433.10	
Cycle Symbol / no	3		80.02	Total Road Markings	3,974.9
0) Lighting and Electrical				Total Road Warkings	3,574.3
LED Ground Lights / no	0	0	122.00	0.00	
Underbridge Lantern / no		0	274.50	0.00	
Service Ducting with 100mm duct / m	0		29.52	0.00	
Service Ducting with 100mm duct / m				tal Lighting and Electrical	0.0
11) Landscaping and Environmental					
Topsoiling / m2	1,000		2.14	2,140.00	
Grass Seeding / m2	1,000		0.73	730.00	
Tree Planting / no		0	143.75	0.00	
Environmental Screening / m	0		32.20	0.00	
Environment & Ecology				6,100.00	
			Total Landsc	aping and Environmental	8,970.0
2) Accommodation Works		_			
Accommodation works / m	0	0.00	0.00		
3) Statutory Authorities & Utilities			Tota	I Accommodation Works	0.0
Ducting / m	0		32.06	0.00	
General Works / m	0		61.00	0.00	
•	U	0	1,403.00	0.00	
Chambers / no			1,403.00	Total Utilities Diversions	0.0
4) Other Costs				. State Stat	0.
Ancillary Facilities (see tab)					3,100.0
.5) Preliminaries					
Preliminaries  Preliminaries			10%		27,200.0
		Total Estimated Co	ost Rural Construct	tion per Km	€299,173.5
General Comments		•			
	This is a cost estin	mate per km for Rural section	on of the Galway to At	hlone Cycleway.	
	Excludes Land acc			-11	
	-				

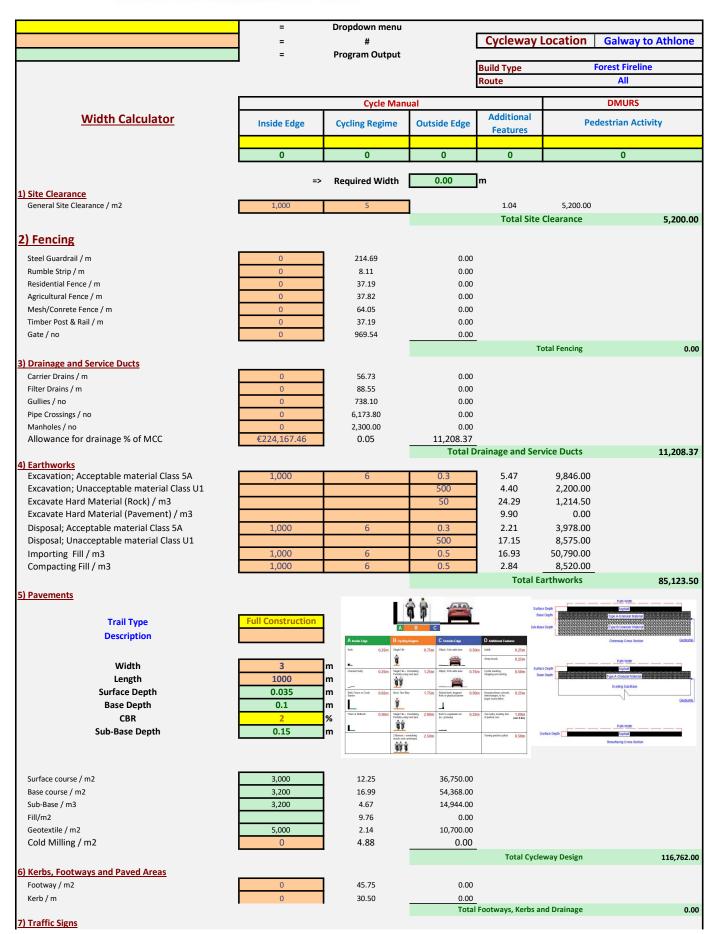






















Information Signs / no	1	427.00	427.00		
Traffic Signs / no	1	610.00	610.00		
		_		– Total Signage	1,037.00
Access Control, Traffic Signals and Crossings					
Toucan Crosssing / no	0	17,250.00	0.00		
Permanent Zebra Crosssing / no	0	575.00	0.00		
Permanent Bollard / no	0	435.54	0.00		
Tactile / m2	0	103.70	0.00		
Raised Table / no	0	172.50	0.00		
		<del></del>	<b>Total Access Contr</b>	rol, Traffic Signals and Crossings	0.00
) Road Markings					
No Paint	0	0	n/a	0.00	
Cont. White 100mm Cycle Markings / m	1000		2.68	2,680.00	
Carriageway Road Markings / m	0		2.68	0.00	
Cycle Track Yield Marking / no	4		57.34	229.36	
Letters / no	10		63.25	632.50	
Letters (2.8m High) / no	0		110.69	0.00	
Cycle Symbol / no	5		86.62	433.10	
				Total Road Markings	3,974.96
0) Lighting and Electrical	0	0	122.00	0.00	
LED Ground Lights / no	0	0			
Underbridge Lantern / no		0	274.50	0.00	
Service Ducting with 100mm duct / m	0		29.52	0.00 Otal Lighting and Electrical	
1) Landscaping and Environmental			,	otal Lighting and Electrical	0.00
Topsoiling / m2	1,000		2.14	2,140.00	
Grass Seeding / m2	1,000		0.73	730.00	
Tree Planting / no	1,000	0	143.75	0.00	
Environmental Screening / m	0	ŭ	32.20	0.00	
Environment & Ecology			32.20	6,100.00	
Environment & Ecology			Total Lands	scaping and Environmental	8,970.00
2) Accommodation Works					
Accommodation works / m	0	0.00	0.00	_	
2) Canada de la Acada de la Calacida			Tot	tal Accommodation Works	0.00
3) Statutory Authorities & Utilities  Ducting / m	0		32.06	0.00	
General Works / m	0		61.00	0.00	
Chambers / no	U	0	1,403.00	0.00	
Chambers / No			=,	Total Utilities Diversions	0.00
) Other Costs					
Ancillary Facilities (see tab)					3,100.00
5) Preliminaries					
Preliminaries			10%		23,600.00
		Total Estimated Co	ost Rural Construct	tion per Km	€258,975.83
General Comments					
icheral Comments	This is a cost estim	nate per km for Rural section	on of the Galway to At	hlone Cycleway	
	Excludes Land acqu		on or the Galway to At	mone cycleway.	
	Excludes Earld acq	a.s.c.s.1 costs.			

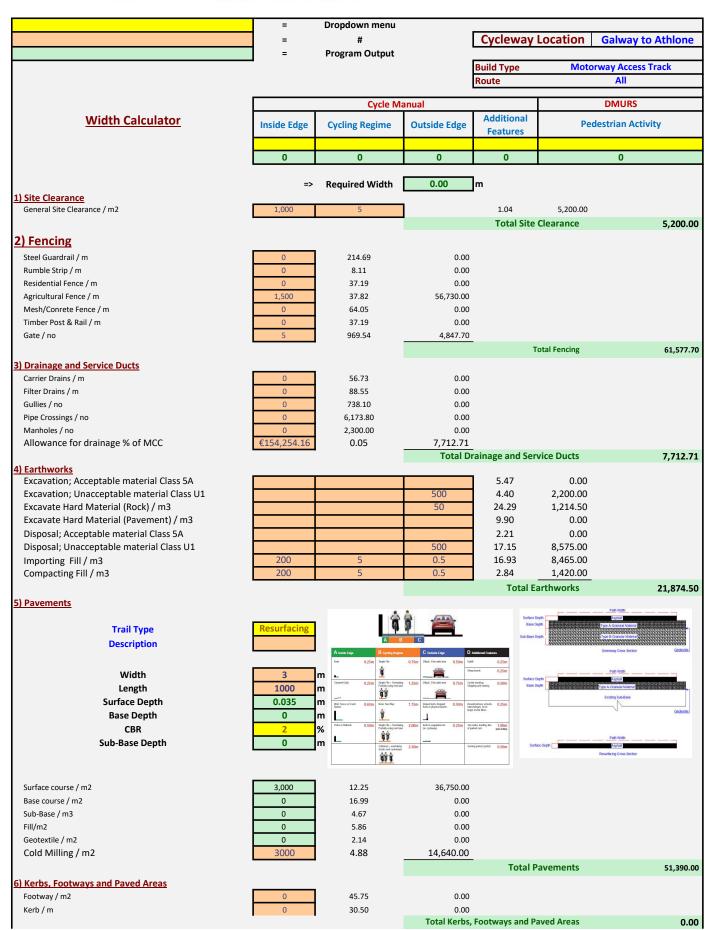






















7) Traffic Signs Information Signs / no	1	427.00	427.00		
Traffic Signs / no	1	610.00	610.00		
		1		Total Signage	1,037.0
3) Access Control, Traffic Signals and Crossings		_			
Toucan Crosssing / no	0	17,250.00	0.00		
Permanent Zebra Crosssing / no	0	575.00	0.00		
Permanent Bollard / no	0	435.54	0.00		
Tactile / m2	0	103.70	0.00		
Raised Table / no	0	172.50	0.00		
			Total Access Contro	ol, Traffic Signals and Crossings	0.
9) Road Markings			_		
No Paint	0	0	n/a	0.00	
Cont. White 100mm Cycle Markings / m	1000		2.68	2,680.00	
Carriageway Road Markings / m	0		2.68	0.00	
Cycle Track Yield Marking / no	4		57.34	229.36	
Letters / no	10		63.25	632.50	
Letters (2.8m High) / no	0		110.69	0.00	
Cycle Symbol / no	5		86.62	433.10	
				Total Road Markings	3,974.
0) Lighting and Electrical	0	0	122.00	0.00	
LED Ground Lights / no	0	0	_	0.00	
Underbridge Lantern / no		0	274.50	0.00	
Service Ducting with 100mm duct/ m	0		29.52	0.00 tal Lighting and Electrical	
(1) Landscaping and Environmental			10	ital Lighting and Electrical	0.
Topsoiling / m2	0		2.14	0.00	
Grass Seeding / m2	0		0.73	0.00	
Tree Planting / no	Ü	0	143.75	0.00	
Environmental Screening / m	0	Ŭ	32.20	0.00	
Environment & Ecology	0	l	32.20	6,100.00	
Environment & Ecology			Total Landso	caping and Environmental	6,100.
2) Accommodation Works					
Accommodation works / m	0	0.00	0.00		
12) Canada de Augustina O Hailiaina			Tota	al Accommodation Works	0.0
3) Statutory Authorities & Utilities  Ducting / m	0		32.06	0.00	
General Works / m	0		61.00	0.00	
Chambers / no	U	0	1,403.00	0.00	
Chambers / 110			1, 105.00	Total Utilities Diversions	0.0
14) Other Costs					
Ancillary Facilities (see tab)					3,100.
L5) Preliminaries					
Preliminaries			10%	16,200.	
		Total Estimated Cos	st Rural Construct	ion per Km	€178,166.8
General Comments					
	This is a cost e	stimate per km for Rural	section of the Galway	to Athlone Cycleway.	
		acquisition costs.			









## Rest / Shelter / Information Areas

Info Boards =

€600

/ unit





## Bike Facilities

Secure Bike Racks = €1,000 / unit

E Charging Points = €500 / unit

Bike Repair Stations = €400 / unit











## Public Toilets & Car Parking Facilities

Toilet Blocks = €2,000 / unit

Car Park (10 bays) = €20,000



## **Rough Summary Costs:**

Rest / Shelter / Information Areas = €176,500

Bike Facilities = €53,000

Public Toilets & Car Parking Facilities = €140,000

Average Ancillary Cost / km = €3,079.17











				Baseli	ne Rates	
				Including		
1 EC Material	Upper	Lower	Cost	Inflation	Unit	Rate Obtained From
Surface Course Base Type A			€10.65 €14.77	€12.25 €16.99	per m² per m²	Moycullen 35mm thick Moycullen 100mm thick
Sub Base Type B 150mm deep			€4.06	€16.99	per m²	Moycullen 150mm thick
300mm Class 1 Fill			€4.80	€5.86	per m²	Til Schedule of Rates 2019 (Ref: 600.57)
500mm Class 1 Fill			€8.00	€9.76	per m²	TII Schedule of Rates 2019 (Ref: 600.57)
Geotextile	€1.50	€2.00	€1.75	€2.14	per m²	TII Schedule of Rates 2019 (Ref: 600.19)
Geotextile BnM			€10.00	€11.50	per m²	Moycullen
Pedestrian Guardrail			€186.69	€214.69	per m	Moycullen SCD00401
Rumble Strip	€5.50	€7.80	€6.65	€8.11	per m	TII Schedule of Rates 2019 (Ref: 1200.76)
Information Sign Traffic Sign			€350.00 €500.00	€427.00 €610.00	per sign per sign	TII Schedule of Rates 2019 (Ref: 1200.16) TII Schedule of Rates 2019 (Ref: 1200.18)
Residential Timber Fence			€32.34	€37.19	per m	Moycullen SCD00301
Agricultural Fence	€24.00	€38.00	€31.00	€37.82	per m	TII Schedule of Rates 2019 (Ref: 300.2)
Timber Post & Rail			€32.34	€37.19	per m	Moycullen SCD00301
2.4m Palisade Security Fence	€85.00	€140.00	€85.00	€103.70	per m²	TII Schedule of Rates 2019 (Ref: 300.24)
Gate			€843.08	€969.54	per m	Moycullen SCD00309
Permanent Bollards	€272.00	€442.00	€357.00	€435.54	per m	TII Schedule of Rates 2019 (Ref 1200.107)
Mesh/Concrete Fence	€40.00	€65.00	€52.50	€64.05	per m	Til Schedule of Rates 2019 (Ref 300.8)
Kinvara Boardwalk Cont. White 100mm wide Cycle Markings	€1.30	€3.10	€5,643.48 €2.20	€6,490.00 €2.68	per m per m	Total project cost €6,631,090 for 1175m  TII Schedule of Rates 2019 (Ref 1200.59)
Carriageway Road Markings	€1.30	€3.10	€2.20	€2.68	per m1	Til Schedule of Rates 2019 (Ref 1200.59)
Yield Triangle (1875mm in Size)	€31.00	€47.00	€47.00	€57.34		
Letters (1.6m High)			€55.00	€63.25	per marking	
Letters (2.8m High)			€96.25	€110.69	per marking	Moycullen M114 pro rata
Cycle Symbol (0.75m High)	€56.00	€86.00	€71.00	€86.62		TII Schedule of Rates 2019 (Ref 1200.91)
Kerb	€20.00	€30.00	€25.00	€30.50	per m	TII Schedule of Rates 2019 (Ref 1100.3)
Carrier Drains	€39.00	€67.00	€46.50	€56.73	per m	TII Schedule of Rates 2019 (Ref 500.3)
Gullies (inc connections)  Manholes	€450.00	€760.00	€605.00 €2,000.00	€738.10 €2,300.00	per gully per manhole	TII Schedule of Rates 2019 (Ref 500.91+500.37*5)  Movcullen
Filter Drains			€2,000.00	€88.55	per m	Moycullen 225mm Type K 2m deep + Contiguous
Pipe Crossings			€5.368.52	€6,173.80	per Pipe	Moycullen 600mm culvert type Z 1.575m deep 10m long + 2 No. headwalls
Allowance for drainage % of MCC			C3,300.32	5%	% of MCC	Kinvara is 10% - allow 5% for significantly less drainage
Tactile	€55.00	€85.00	€85.00	€103.70	per m²	TII Schedule of Rates 2019 (Ref 1100.23)
Raised Table			€150.00	€172.50	per m²	Clontarf Amiens Street
Toucan Crossing			€15,000.00	€17,250.00	per toucan	Kells Road
Permanent Zebra Crossing			€500.00	€575.00	per toucan	Monastery Road
Footway (Inc Sub-base)	€30.00	€45.00	€37.50	€45.75	per m²	Til Schedule of Rates 2019 (Ref 1100.16)
8m Road Lighting Column & 150w Lantern	€990.00	€1,540.00	€1,265.00	€1,543.30	per column	Til Schedule of Rates 2019 (Ref 1300.4)
Cable Trenching (2m) with 100mm duct			€25.67	€29.52	per m	Moycullen 1 No. 100mm
150w Underbridge Lantern	€150.00	€300.00	€225.00	€274.50	per lantern	
Feeder Pillar	€550.00	€1,650.00	€1,100.00	€1,342.00	per unit	TII Schedule of Rates 2019 (Ref 1400.20)
Earth Electrodes	€45.00	€70.00	€57.50	€70.15	per unit	Til Schedule of Rates 2019 (Ref 1400.23)
Chamber 220mm ESB and Eircom Service Ducts	€800.00	€1,500.00	€1,150.00 €27.88	€1,403.00 €32.06	per unit	TII Schedule of Rates 2019 (Ref 500.105)  Moycullen 2 No. 100mm
Service Chambers	€800.00	€1,500.00	€1,150.00	€1,403.00	per m per unit	Til Schedule of Rates 2019 (Ref 500.105)
General Utility Works	2000.00	C1,500.00	€50.00	€61.00	per m	This chedule of Nates 2015 (Net 500:105)
					P	
				Including		
2 Clearance	Upper	Lower	Cost		Unit	Rate Obtained From
General Site Clearance			Cost €0.90	Including Inflation €1.04	per m²	Moycullen
General Site Clearance Cold Milling	Upper €2.00	Lower €6.00	Cost €0.90 €4.00	Including Inflation €1.04 €4.88		Moycullen TII Schedule of Rates 2019 (Ref 700.20)
General Site Clearance Cold Milling Excavation; Acceptable material Class 5A			Cost €0.90 €4.00 €4.76	Including Inflation €1.04 €4.88 €5.47	per m²	Moycullen TII Schedule of Rates 2019 (Ref 700.20) Moycullen
General Site Clearance Cold Milling Excavation; Acceptable material Class 5A Excavation; Unacceptable material Class U1			Cost €0.90 €4.00 €4.76 €3.83	Including Inflation €1.04 €4.88 €5.47 €4.40	per m² per m²	Moycullen TII Schedule of Rates 2019 (Ref 700.20) Moycullen Moycullen
General Site Clearance Cold Milling Excavation; Acceptable material Class SA Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock)			Cost €0.90 €4.00 €4.76 €3.83 €21.12	Including Inflation €1.04 €4.88 €5.47 €4.40 €24.29	per m² per m² per m³	Moycullen TII Schedule of Rates 2019 (Ref 700.20) Moycullen Moycullen Moycullen
General Site Clearance Cold Milling Excavation; Acceptable material Class SA Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock) Excavation of Hard Material (Pavement)			Cost €0.90 €4.00 €4.76 €3.83	Including Inflation €1.04 €4.88 €5.47 €4.40	per m² per m²	Moycullen TII Schedule of Rates 2019 (Ref 700.20) Moycullen Moycullen
General Site Clearance Cold Milling Excavation; Acceptable material Class SA Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock)			Cost €0.90 €4.00 €4.76 €3.83 €21.12 €8.61	Including Inflation  €1.04  €4.88  €5.47  €4.40  €24.29  €9.90	per m² per m² per m³ per m³	Moycullen TII Schedule of Rates 2019 (Ref 700.20) Moycullen Moycullen Moycullen Moycullen Moycullen
General Site Clearance Cold Milling Excavation; Acceptable material Class SA Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock) Excavation of Hard Material (Pavement) Disposal; Acceptable material Class SA			Cost €0.90 €4.00 €4.76 €3.83 €21.12 €8.61 €1.92	Including Inflation €1.04 €4.88 €5.47 €4.40 €24.29 €9.90 €2.21	per m² per m² per m³	Moycullen TII Schedule of Rates 2019 (Ref 700.20) Moycullen Moycullen Moycullen Moycullen Moycullen Moycullen Moycullen Moycullen
General Site Clearance Cold Milling Excavation; Acceptable material Class SA Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock) Excavation of Hard Material (Pavement) Disposal; Acceptable material Class SA Disposal; Unacceptable material Class U1			Cost €0.90 €4.00 €4.76 €3.83 €21.12 €8.61 €1.92 €14.91	Including Inflation €1.04 €4.88 €5.47 €4.40 €24.29 €9.90 €2.21 €17.15 €5.47	per m² per m² per m³ per m³	Moycullen Til Schedule of Rates 2019 (Ref 700.20) Moycullen Moycullen Moycullen Moycullen Moycullen Moycullen Moycullen Moycullen Moycullen
General Site Clearance Cold Milling Excavation; Acceptable material Class 5A Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock) Excavation of Hard Material (Pavement) Disposal; Acceptable material Class 5A Disposal; Unacceptable material Class U1 Excavation of Cuttings (Topsoil)	€2.00	€6.00	Cost €0.90 €4.00 €4.76 €3.83 €21.12 €8.61 €1.92 €14.91 €4.76	Including Inflation €1.04 €4.88 €5.47 €4.40 €24.29 €9.90 €2.21 €17.15 €5.47 Including	per m² per m³ per m³ per m³	Moycullen TII Schedule of Rates 2019 (Ref 700.20) Moycullen
General Site Clearance Cold Milling Excavation; Acceptable material Class 5A Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock) Excavation of Hard Material (Pavement) Disposal; Acceptable material Class 5A Disposal; Unacceptable material Class U1 Excavation of Cuttings (Topsoil)	€2.00 Upper	€6.00	Cost €0.90 €4.00 €4.76 €3.83 €21.12 €8.61 €1.92 €14.91 €4.76	Including Inflation €1.04 €4.88 €5.47 €4.40 €24.29 €9.90 €1.21 €17.15 €5.47 Including Inflation	per m² per m³ per m³ per m³	Moycullen Til Schedule of Rates 2019 (Ref 700.20) Moycullen Roycullen Moycullen
General Site Clearance Cold Milling Excavation; Acceptable material Class SA Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock) Excavation of Hard Material (Pavement) Disposal; Acceptable material Class SA Disposal; Unacceptable material Class U1 Excavation of Cuttings (Topsoil)	€2.00 Upper €0.50	€6.00 Lower €3.00	Cost €0.90 €4.00 €4.76 €4.76 €1.12 €8.61 €1.92 €14.91 €4.76	Including Inflation €1.04 €4.88 €5.47 €4.40 €24.29 €9.90 €2.21 €17.15 €5.47  Including Inflation €2.14	per m² per m³ per m³ per m³	Moycullen TII Schedule of Rates 2019 (Ref 700.20) Moycullen TII Schedule of Rates 2019 (600.26)
General Site Clearance Cold Milling Excavation; Acceptable material Class SA Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock) Excavation of Hard Material (Pavement) Disposal; Acceptable material Class SA Disposal; Unacceptable material Class U1 Excavation of Cuttings (Topsoil)  3 Landscaping Topsoiling Imported Topsoil	€2.00 Upper	€6.00	Cost €0.90 €4.00 €4.76 €3.83 €21.12 €8.61 €1.92 €14.91 €4.76 Cost €1.75 €18.75	Including Inflation €1.04 €4.88 €5.47 €4.40 €24.29 €9.90 €2.21 €17.15 €5.47 Including Inflation €2.14 €22.88	per m² per m³ per m³ per m³	Moycullen TII Schedule of Rates 2019 (Ref 700.20) Moycullen TII Schedule of Rates 2019 (600.26) TII Schedule of Rates 2019 (600.13)
General Site Clearance Cold Milling Excavation; Acceptable material Class 5A Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock) Excavation of Hard Material (Pavement) Disposal; Acceptable material Class 5A Disposal; Unacceptable material Class U1 Excavation of Cuttings (Topsoil)  3 Landscaping Topsoiling Imported Topsoil Imported Acceptable Fill	€2.00 Upper €0.50	€6.00 Lower €3.00	Cost €0.90 €4.00 €4.76 €3.83 €21.12 €8.61 €1.92 €14.91 €4.76 Cost €1.75 €18.75 €18.75 €14.72	Including Inflation €1.04 €4.88 €5.47 €4.40 €24.29 €9.90 €2.21 €17.15 €5.47  Including Inflation €2.14 €22.88 €16.93	per m² per m³ per m³ per m³	Moycullen TII Schedule of Rates 2019 (Ref 700.20) Moycullen TII Schedule of Rates 2019 (600.26) TII Schedule of Rates 2019 (600.13) Moycullen
General Site Clearance Cold Milling Excavation; Acceptable material Class 5A Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock) Excavation of Hard Material (Pavement) Disposal; Acceptable material Class 5A Disposal; Unacceptable material Class U1 Excavation of Cuttings (Topsoil)  3 Landscaping Topsoiling Imported Topsoil	€2.00 Upper €0.50	€6.00 Lower €3.00	Cost €0.90 €4.00 €4.76 €3.83 €21.12 €8.61 €1.92 €14.91 €4.76 Cost €1.75 €18.75	Including Inflation €1.04 €4.88 €5.47 €4.40 €24.29 €9.90 €2.21 €17.15 €5.47 Including Inflation €2.14 €22.88	per m² per m³ per m³ per m³	Moycullen TII Schedule of Rates 2019 (Ref 700.20) Moycullen TII Schedule of Rates 2019 (600.26) TII Schedule of Rates 2019 (600.13)
General Site Clearance Cold Milling Excavation; Acceptable material Class 5A Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock) Excavation of Hard Material (Pavement) Disposal; Acceptable material Class SA Disposal; Unacceptable material Class U1 Excavation of Cuttings (Topsoil)  3 Landscaping Topsoiling Imported Topsoil Imported Topsoil Imported Acceptable Fill Compaction of acceptable fill	Upper €0.50 €12.50	€6.00 Lower €3.00 €25.00	Cost €0.90 €4.00 €4.76 €3.83 €21.12 €8.61 €14.91 €4.76 Cost €1.75 €18.75 €18.75 €14.75	Including Inflation €1.04 €4.88 €5.47 €4.40 €24.29 €9.90 €2.21 €17.15 €5.47 Including Inflation €2.14 €22.88 €16.93 €2.84	per m² per m³ per m³ per m³	Moycullen TII Schedule of Rates 2019 (Ref 700.20) Moycullen TII Schedule of Rates 2019 (600.26) TII Schedule of Rates 2019 (600.13) Moycullen Moycullen
General Site Clearance Cold Milling Excavation; Acceptable material Class SA Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock) Excavation of Hard Material (Pavement) Disposal; Acceptable material Class U1 Disposal; Unacceptable material Class U1 Excavation of Cuttings (Topsoil)  Landscaping Topsoiling Imported Topsoil Imported Topsoil Imported Acceptable Fill Compaction of acceptable fill Imported Capping Grass Seeding Tree Planting	€2.00  Upper €0.50 €12.50 €15.00 €0.30	€6.00 Lower €3.00 €25.00 €28.00 €0.90	Cost €0.90 €4.00 €4.76 €3.83 €21.12 €8.61 €1.4.91 €4.76 Cost €1.75 €14.72 €2.47 €2.47 €2.47 €2.47 €2.50 €2.60 €4.76	Including Inflation €1.04 €4.88 €5.47 €4.40 €24.29 €9.90 €2.21 €17.15 €5.47 Including Inflation €2.14 €2.2.88 €16.93 €2.84 €26.23 €0.73 €143.75	per m² per m³ per m³  per m³  Unit per m² per m²	Moycullen Til Schedule of Rates 2019 (Ref 700.20) Moycullen Til Schedule of Rates 2019 (600.26) Til Schedule of Rates 2019 (600.13) Moycullen Moycullen Moycullen Til Schedule of Rates 2019 (600.15) Til Schedule of Rates 2019 (600.29) Monastery Road
General Site Clearance Cold Milling Excavation; Acceptable material Class 5A Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock) Excavation of Hard Material (Pavement) Disposal; Acceptable material Class SA Disposal; Unacceptable material Class U1 Excavation of Cuttings (Topsoil)  3 Landscaping Topsoiling Imported Topsoil Imported Acceptable Fill Compaction of acceptable fill Imported Capping Grass Seeding	€2.00  Upper €0.50 €12.50	€6.00 Lower €3.00 €25.00	Cost €0.90 €4.00 €4.76 €3.83 €21.12 €8.61 €1.92 €14.91 €4.76 Cost €1.75 €18.75 €14.72 €21.50 €0.60	Including Inflation €1.04 €4.88 €5.47 €4.40 €24.29 €9.90 €2.21 €17.15 €5.47 Including Inflation €2.14 €22.88 €16.93 €2.84 €26.23 €0.73	per m² per m² per m³ per m³  Unit per m²	Moycullen Til Schedule of Rates 2019 (Ref 700.20) Moycullen Til Schedule of Rates 2019 (600.26) Til Schedule of Rates 2019 (600.13) Moycullen Moycullen Til Schedule of Rates 2019 (600.15) Til Schedule of Rates 2019 (600.29)
General Site Clearance Cold Milling Excavation; Acceptable material Class SA Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock) Excavation of Hard Material (Pavement) Disposal; Acceptable material Class U1 Disposal; Unacceptable material Class U1 Excavation of Cuttings (Topsoil)  Landscaping Topsoiling Imported Topsoil Imported Topsoil Imported Acceptable Fill Compaction of acceptable fill Imported Capping Grass Seeding Tree Planting	€2.00  Upper €0.50 €12.50 €15.00 €0.30	€6.00 Lower €3.00 €25.00 €28.00 €0.90	Cost €0.90 €4.00 €4.76 €3.83 €21.12 €8.61 €1.4.91 €4.76 Cost €1.75 €14.72 €2.47 €2.47 €2.47 €2.47 €2.50 €2.60 €4.76	Including Inflation €1.04 €4.88 €5.47 €4.40 €24.29 €9.90 €2.21 €17.15 €5.47 Including Inflation €2.14 €22.88 €16.93 €2.84 €26.23 €0.73 €143.75	per m² per m³ per m³  per m³  Unit per m² per m²	Moycullen Til Schedule of Rates 2019 (Ref 700.20) Moycullen Til Schedule of Rates 2019 (600.26) Til Schedule of Rates 2019 (600.13) Moycullen Moycullen Moycullen Til Schedule of Rates 2019 (600.15) Til Schedule of Rates 2019 (600.29) Monastery Road
General Site Clearance Cold Milling Excavation; Acceptable material Class 5A Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock) Excavation of Hard Material (Pavement) Disposal; Acceptable material Class SA Disposal; Unacceptable material Class U1 Excavation of Cuttings (Topsoil)  3  Landscaping Topsoiling Imported Topsoil Imported Acceptable Fill Compaction of acceptable fill Imported Capping Grass Seeding Tree Planting Environmental Screening	€2.00  Upper €0.50 €12.50 €15.00 €0.30	€6.00 Lower €3.00 €25.00 €28.00 €0.90	Cost €0.90 €4.00 €4.76 €3.83 €21.12 €8.61 €1.92 €14.91 €4.76 Cost €1.75 €18.75 €14.72 €2.47 €2.47 €2.60 €0.60 €0.60 €0.60 €28.00	Including Inflation €1.04 €4.88 €5.47 €4.40 €24.29 €9.90 €1.71 €5.47 Including Inflation €2.14 €22.88 €16.93 €2.84 €26.23 €0.73 €143.75 €32.20 Including	per m² per m³ per m³  per m³  Unit per m² per m²	Moycullen Til Schedule of Rates 2019 (Ref 700.20) Moycullen Til Schedule of Rates 2019 (600.26) Til Schedule of Rates 2019 (600.13) Moycullen Moycullen Til Schedule of Rates 2019 (600.15) Til Schedule of Rates 2019 (600.29) Monastery Road Monastery Road
General Site Clearance Cold Milling Excavation; Acceptable material Class SA Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock) Excavation of Hard Material (Pavement) Disposal; Acceptable material Class SA Disposal; Unacceptable material Class U1 Excavation of Cuttings (Topsoil)  3 Landscaping Topsoiling Imported Topsoil Imported Acceptable Fill Compaction of acceptable fill Imported Capping Grass Seeding Tree Planting Environmental Screening	€2.00  Upper €0.50 €12.50 €15.00 €0.30	€6.00 Lower €3.00 €25.00 €28.00 €0.90	Cost €0.90 €4.00 €4.76 €3.83 €21.12 €8.61 €1.91 €4.76 Cost €1.75 €14.72 €2.47 €21.50 €2.50 €28.00	Including Inflation €1.04 €4.88 €5.47 €4.40 €24.29 €9.90 €2.21 €17.15 €5.47 Including Inflation €2.14 €22.88 €16.93 €2.84 €26.23 €0.73 €143.75 €32.20 Including Inflation	per m² per m³ per m³  per m³  Unit per m² per m² per m²	Moycullen TII Schedule of Rates 2019 (Ref 700.20) Moycullen TII Schedule of Rates 2019 (600.26) TII Schedule of Rates 2019 (600.13) Moycullen Moycullen TII Schedule of Rates 2019 (600.13) Moycullen TII Schedule of Rates 2019 (600.15) TII Schedule of Rates 2019 (600.29) Monastery Road Monastery Road  Rate Obtained From
General Site Clearance Cold Milling Excavation; Acceptable material Class SA Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock) Excavation of Hard Material (Pavement) Disposal; Acceptable material Class SA Disposal; Unacceptable material Class U1 Excavation of Cuttings (Topsoil)  3 Landscaping Topsoiling Imported Topsoil Imported Acceptable Fill Compaction of acceptable fill Imported Capping Grass Seeding Tree Planting Environmental Screening	€2.00 Upper €0.50 €12.50 €15.00 €0.30	Lower €3.00 €25.00 €28.00 €28.00	Cost €0.90 €4.00 €4.76 €3.83 €21.12 €8.61 €1.92 €14.91 €4.76  Cost €1.75 €18.75 €14.72 €2.47 €21.50 €0.60 €225.00 €28.00	Including Inflation €1.04 €4.88 €5.47 €4.40 €24.29 €9.90 €2.21 €17.15 €5.47 Including Inflation €2.14 €22.88 €16.93 €2.84 €26.23 €0.73 £143.75 €32.20 Including Inflation €5,750.00	per m² per m³ per m³  per m³  Unit per m²  per m²  per m²	Moycullen TII Schedule of Rates 2019 (Ref 700.20) Moycullen TII Schedule of Rates 2019 (600.26) TII Schedule of Rates 2019 (600.13) Moycullen Moycullen TII Schedule of Rates 2019 (600.15) TII Schedule of Rates 2019 (600.29) Monastery Road Monastery Road Monastery Road Monastery Road Moycullen 1 No. 10m
General Site Clearance Cold Milling Excavation; Acceptable material Class SA Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock) Excavation of Hard Material (Pavement) Disposal; Acceptable material Class SA Disposal; Unacceptable material Class U1 Excavation of Cuttings (Topsoil)  3 Landscaping Topsoiling Imported Topsoil Imported Acceptable Fill Compaction of acceptable fill Imported Capping Grass Seeding Tree Planting Environmental Screening	€2.00  Upper €0.50 €12.50 €15.00 €0.30	€6.00 Lower €3.00 €25.00 €28.00 €0.90	Cost €0.90 €4.00 €4.76 €3.83 €21.12 €8.61 €1.91 €4.76 Cost €1.75 €14.72 €2.47 €21.50 €2.50 €28.00	Including Inflation €1.04 €4.88 €5.47 €4.40 €24.29 €9.90 €2.21 €17.15 €5.47 Including Inflation €2.14 €22.88 €16.93 €2.84 €26.23 €0.73 €143.75 €32.20 Including Inflation	per m² per m³ per m³  per m³  Unit per m² per m² per m²	Moycullen TII Schedule of Rates 2019 (Ref 700.20) Moycullen TII Schedule of Rates 2019 (600.26) TII Schedule of Rates 2019 (600.13) Moycullen Moycullen TII Schedule of Rates 2019 (600.13) Moycullen TII Schedule of Rates 2019 (600.15) TII Schedule of Rates 2019 (600.29) Monastery Road Monastery Road Monastery Road
General Site Clearance Cold Milling Excavation; Acceptable material Class SA Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock) Excavation of Hard Material (Pavement) Disposal; Acceptable material Class SA Disposal; Unacceptable material Class U1 Excavation of Cuttings (Topsoil)  3 Landscaping Topsoiling Imported Topsoil Imported Acceptable Fill Compaction of acceptable fill Imported Capping Grass Seeding Tree Planting Environmental Screening	€2.00 Upper €0.50 €12.50 €15.00 €0.30	Lower €3.00 €25.00 €28.00 €28.00	Cost €0.90 €4.00 €4.76 €3.83 €21.12 €8.61 €1.92 €14.91 €4.76  Cost €1.75 €18.75 €14.72 €2.47 €21.50 €0.60 €225.00 €28.00	Including Inflation €1.04 €4.88 €5.47 €4.40 €24.29 €9.90 €2.21 €17.15 €5.47 Including Inflation €2.14 €22.88 €16.93 €2.84 €26.23 €0.73 €143.75 €32.20 Including Inflation €5,750.00 €2,287.50	per m² per m³ per m³  per m³  Unit per m²  per m²  per m²	Moycullen TII Schedule of Rates 2019 (Ref 700.20) Moycullen TII Schedule of Rates 2019 (600.26) TII Schedule of Rates 2019 (600.13) Moycullen Moycullen TII Schedule of Rates 2019 (600.15) TII Schedule of Rates 2019 (600.29) Monastery Road Monastery Road Monastery Road Monastery Road Moycullen 1 No. 10m
General Site Clearance Cold Milling Excavation; Acceptable material Class SA Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock) Excavation of Hard Material (Pavement) Disposal; Acceptable material Class SA Disposal; Unacceptable material Class U1 Excavation of Cuttings (Topsoil)  3 Landscaping Topsoiling Imported Topsoil Imported Acceptable Fill Compaction of acceptable fill Imported Capping Grass Seeding Tree Planting Environmental Screening  4 Structures Culverts Headwalls	€2.00 Upper €0.50 €12.50 €15.00 €0.30	Lower €3.00 €25.00 €28.00 €28.00	Cost €0.90 €4.00 €4.76 €3.83 €21.12 €8.61 €1.92 €14.91 €4.76  Cost €1.75 €18.75 €14.72 €2.47 €21.50 €0.60 €225.00 €28.00	Including Inflation €1.04 €4.88 €5.47 €4.40 €24.29 €9.90 €2.21 €17.15 €5.47 Including Inflation €2.14 €22.88 €16.93 €2.84 €26.23 €0.73 £143.75 €32.20 Including Inflation €5,750.00	per m² per m³ per m³  per m³  Unit per m²  per m²  per m²	Moycullen TII Schedule of Rates 2019 (Ref 700.20) Moycullen TII Schedule of Rates 2019 (600.26) TII Schedule of Rates 2019 (600.13) Moycullen Moycullen TII Schedule of Rates 2019 (600.15) TII Schedule of Rates 2019 (600.29) Monastery Road Monastery Road Monastery Road Monastery Road Moycullen 1 No. 10m
General Site Clearance Cold Milling Excavation; Acceptable material Class SA Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock) Excavation of Hard Material (Pavement) Disposal; Acceptable material Class SA Disposal; Unacceptable material Class U1 Excavation of Cuttings (Topsoil)  3 Landscaping Topsoiling Imported Topsoil Imported Acceptable Fill Compaction of acceptable fill Imported Capping Grass Seeding Tree Planting Environmental Screening  4 Structures Culverts Headwalls	€2.00 Upper €0.50 €12.50 €15.00 €0.30	Lower €3.00 €25.00 €28.00 €28.00	Cost €0.90 €4.00 €4.76 €3.83 €21.12 €8.61 €1.92 €14.91 €4.76  Cost €1.75 €18.75 €14.72 €21.50 €0.60 €125.00 €28.00  Cost €5,000.00 €1,875.00	Including Inflation €1.04 €4.88 €5.47 €4.40 €24.29 €9.90 €2.21 €17.15 €5.47 Including Inflation €2.14 €22.88 €16.93 €0.73 €143.75 €32.20 Including Inflation €5,750.00 €2,287.50 Including	per m² per m³ per m³  per m³  Unit per m²  per m²  per m²	Moycullen TII Schedule of Rates 2019 (Ref 700.20) Moycullen TII Schedule of Rates 2019 (600.26) TII Schedule of Rates 2019 (600.13) Moycullen Moycullen TII Schedule of Rates 2019 (600.15) TII Schedule of Rates 2019 (600.15) TII Schedule of Rates 2019 (600.29) Moycullen Moycullen TII Schedule of Rates 2019 (600.29) Monastery Road Monastery Road  Rate Obtained From  Moycullen 1 No. 10m TII Schedule of Rates 2019 (500.137)
General Site Clearance Cold Milling Excavation; Acceptable material Class 5A Excavation; Unacceptable material Class U1 Excavation of Hard Material (Rock) Excavation of Hard Material (Pavement) Disposal; Acceptable material Class U1 Excavation of Cuttings (Topsoil)  3 Landscaping Topsoiling Imported Topsoil Imported Acceptable Fill Compaction of acceptable Fill Imported Capping Grass Seeding Tree Planting Environmental Screening  4 Structures Culverts Headwalls	€2.00 Upper €0.50 €12.50 €15.00 €0.30	Lower €3.00 €25.00 €28.00 €28.00	Cost €0.90 €4.00 €4.76 €3.83 €21.12 €8.61 €1.92 €14.91 €4.76  Cost €1.75 €18.75 €14.72 €21.50 €0.60 €125.00 €28.00  Cost €5,000.00 €1,875.00	Including Inflation €1.04 €4.88 €5.47 €4.40 €24.29 €9.90 €2.21 €17.15 €5.47 Including Inflation €2.14 €22.88 €16.93 €2.84 €26.23 €0.73 €143.75 €32.20 Including Inflation €5,750.00 €2,287.50 Including Inflation	per m² per m³ per m³  per m³  Unit per m²  per m²  per m²	Moycullen TII Schedule of Rates 2019 (Ref 700.20) Moycullen TII Schedule of Rates 2019 (600.26) TII Schedule of Rates 2019 (600.13) Moycullen Moycullen TII Schedule of Rates 2019 (600.15) TII Schedule of Rates 2019 (600.29) Monastery Road Monastery Road Monastery Road Monastery Road Moycullen 1 No. 10m TII Schedule of Rates 2019 (500.137)  Rate Obtained From











Cost Comparison for each build type								
INS	El	RT SCHEME TITLE: RT DATE OF ESTIMATE: RT CURRENT PHASE:		Galway to Athlone Castle Cycleway 01 September 2021 Phase 2				
		RT BASE DATE FOR RATES:		01 September 2021				
INSERT NAME OF CONSULTANT:				RPS				
			D 1 6					
N	via	in Construction Costs	Rate €	Comment				
	а	New build greenway on Farmland	€ 369,247	Base for comparison new build on farmland with agricultural fencing.				
	b	New build greenway on Non- Farm Land	€ 395,356	Decreased cost due to less expencive Post and Rail fencing.				
	С	New build greenway parallel to rail	€ 466,603	Increased costs due to Pallisade fencing on Railway side.				
	d	Existing track	€ 236,082	Pavement intervention only and reduced costs for lanscaping /earthworks.				
	е	BnM railway	€ 276,348	More expensive geotextile, reduced costs for earthworks and no fencing required.				
	f	Old farm road	€ 270,123	Pavement intervention only, reduced costs for lanscaping /earthworks, agricultural fencing required.				
	g	Bog road	€ 164,180	Pavement intervention and no fencing required.				
	h	Planned walk	€ 275,143	New build no fencing required.				
	j	On road shared surface	€ 563,476	Urban area, resurfacing only increased costs for kerbs,drainage and utilities.				
	k	Rothar road	€ 128,966	Resurfacing only, fill and fencing may be required				
ı	m	Cycle track next to rural road	€ 354,650	New build next to existing road fencing needed on one side.				
	n	Urban cycle lane	€ 600,811	Same as shared surface with increased costs for road marking and crossings				
	0	Raised boardwalk	€ 7,513,809	Cost of boardwalk construction				
	р	Flood embankment path	€ 194,087	Same as BnM Rail with reduced cost for geotextile				
	q	Existing recreational trail	€ 156,463	Existing trails resurfacing, surface markings and signs only				
		Forest road	€ 299,174	New build with no fencing, extra cost for incresed fill				
	s	Forest fireline	€ 258,976	same as forest road				
	t Motorway access track € 178,167		€ 178,167	same as rothar road				
	Lowest Cost Per Km € 128,966							
	,		€ 7,513,809					
_			€ 705,648					