OPTION COMPARISON ESTIMATES (PHASE 2)

Project Name	**Kilbeggan to Mullingar Greenway**				**TII Ref.**	**WH/23/32548**					
					Phase	**2**		**X-Sec**			
Possible Mid-Construction Date	*2030*	*Current Year*	*2024*	*Inflation-Construction*	*3%*	*Inflation Land & Property*		*3%*		*% Prog. Risk*	*5%*
Option Number / Reference	**1A**	**2A**	**1B**	**2B**	**1C**	**2C**	**1D**	**2D**	**Link CD**	**Lilliput Link**	
Mainline Length	8.00	4.00	1.90	2.60	4.50	5.10	14.10	16.10	1.50	2.90	
Grade Separated Junctions	0	0	0	0	0	0	0	0	0	0	
No. of Bridges (Ordinary)	2	3	2	3	1	1	8	7	0	0	
No.Viaducts / Signature Structures	0	0	0	0	0	0	0	0	0	0	
OPTIONS COSTS											
BASE COSTS (Incl VAT & Project Specific Risk Contingencies) - €million											
Main Contract Construction	€5,465,188	€3,209,893	€1,300,249	€1,958,022	€2,493,016	€3,019,649	€13,505,362	€14,128,909	€729,094	€1,783,193	
Main Contract Supervision	€385,211	€226,248	€91,648	€138,010	€175,719	€212,839	€951,920	€995,870	€51,390	€125,688	
Archaeology	€361,136	€212,107	€85,920	€129,385	€164,737	€199,536	€892,425	€933,628	€48,178	€117,832	
Advance Works and Other Contracts	€240,757	€141,405	€57,280	€86,256	€109,824	€133,024	€594,950	€622,419	€32,119	€78,555	
Public Transport Connectivity/Asset Renewal	€0	€0	€0	€0	€0	€0	€0	€0	€0	€0	
Land & Property	€779,658	€405,017	€192,383	€263,261	€283,512	€486,021	€810,035	€972,041	€30,376	€70,878	
Planning & Design	€385,211	€226,248	€91,648	€138,010	€175,719	€212,839	€951,920	€995,870	€51,390	€125,688	
Subtotal	€7,617,162	€4,420,918	€1,819,127	€2,712,945	€3,402,528	€4,263,908	€17,706,611	€18,648,738	€942,547	€2,301,833	
Total Inflation Allowance	€1,404,221	€814,995	€335,355	€500,130	€627,255	€786,050	€3,264,208	€3,437,889	€173,758	€424,342	
TII Programme Risk	€380,858	€221,046	€90,956	€135,647	€170,126	€213,195	€885,331	€932,437	€47,127	€115,092	
Option Comparison Estimate	€9,402,241	€5,456,959	€2,245,439	€3,348,722	€4,199,909	€5,263,153	€21,856,149	€23,019,063	€1,163,432	€2,841,267	

Signatures	**Project Services**	Richard Kelly	**Senior Engineering Inspector**	
	Regional Manager	Patrick Duffy	**Head of Roads Capital Programme**	

Estimate Assumptions Sheet

PROJECT TITLE	Kilbeggan to Mullingar Greenway Project	DATE OF CURRENT ESTIMATE	05/09/2024
CURRENT PHASE	Phase 2 Option Selection	BASE DATE FOR RATES	Feb-23
PROJECT MANAGER	Gareth McElhinney	ESTIMATOR (CURRENT ESTIMATE)	Michael Conway

1	**Main Construction Contract (Insert Information where available – use Preferred Option at Phase 2)**						
	A	Mainline Length Total	31.6	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 Only		Nr. Other Locations		Nr.	
		Overbridges	14	Nr. Number on Mainline	14	Nr.	
		Underbridges		Nr. Number on Mainline		Nr.	
		Signature Structures - Span		m Structure Type			
		Tunnels		km Pavement Detail			
		Earthworks – Cut Volume		m^3 Fill Volume		m^3	
		Earthworks – Import of Acceptable		m^3 EO for Hard Material		m^3	
	B	Earthworks – Ground Conditions (please describe briefly anticipated ground conditions)					
	C	Accommodation Works - Underpasses		Nr.			
		Accommodation Works – Access Tracks		km			
	D	Other Information on the Main Construction Contract (e.g. Active Travel, Key Constraints or Challenges)					
2	**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)						
	Property valuation for Agricultural Lands sourced from SCSI at https://scsi.ie/wp-content/uploads/2024/04/SCSI-Teagasc_2024_Agri_Report.pdf - Inflation 23-24 added at 3.9%						
	General Disterbance payments assumbed as €10,500 pr km						
	Injurious Affection payments assumbed at 75% of land valuation						

Estimate Assumptions Sheet

PROJECT TITLE	Kilbeggan to Mullingar Greenway Project	DATE OF CURRENT ESTIMATE	05/09/2024
CURRENT PHASE	Phase 2 Option Selection	BASE DATE FOR RATES	Feb-23
PROJECT MANAGER	Gareth McElhinney	ESTIMATOR (CURRENT ESTIMATE)	Michael Conway

	Programme
3	
	Any Other Relevant Information (including notes on the other 5 Cost Headings)
4	The emerging preferred route corridor is selected based on the best preforming route corridor option from the TAA and CBA assessment
	Public Transport Connectivity: Set to 0% instead of the default 7.5%.
	Active Travel: No allowance has been included for active travel.
	Pavement - No allowance has been included for pavement, these costs are covered in Kerbs, Footways and Paved Areas.
	Lighting and Electrical - No allowance has been made for public lighting
	Accomodation Works: Rate set 20% of Corduff road realignment scheme costs per km.
	Traffic Signs: Rate set to 20% of Corduff road realignment scheme costs per km.
	Road Markings: Rate set to 20% of Corduff road realignment scheme costs per km.
	Landscaping, Environmental & Ecology: Rate set to 20% of Corduff road realignment scheme costs per km.
	Preliminaries; Set to 20% of MCC.
	Statutory Authorities & Utilities: Set to 10% of MCC.
	Any Other Obligations and Liabilities of the Contractor: Set to 10% of MCC.
	Structures: Estimate based on 2019 rates. An inflation rate of 22% was added to these rates.
	Baseline Rates tab includes the rates used across the estimate and where they were sourced.
	Rates based on the TII's Schedule of Rates 2023, where directly comparable items were available. 3.9% inflation rate was added to the 2023 baseline rates, as per SCSI https://scsi.ie/tender-price-index-2024-press-release/

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.

Level 2 Estimate Summary Sheet Option 1A

Kilbeggan to Mullingar Greenway Project

Phase 2 Option Selection

INSERT DATE OF ESTIMATE 05/09/2024

INSERT BASE DATE FOR RATES Feb-23

INSERT NAME OF TECHNICAL ADVISOR | INSERT NAME OF ESTIMATOR

Mainline Section Type :	Greenway	Mainline Length :	8.00		
Link Roads Section Type :	n/a	Link Roads Length :	n/a		

			Quantity	Unit	Rate €	Total €
1		**Main Construction Contract (See attached for breakdown presented to Level 2 detail)**	Quantity	Unit	Rate €	Total €
	a	Site Clearance	8	Per km	€1,777.96	€ 14,224
	b	Fencing	8	Per km	€64,130.17	€ 513,041
	c	Safety Barriers and Pedestrian Guardrails	8	Per km	€0.00	€ -
	d	Drainage and Service Ducts	8	Per km	€55,827.42	€ 446,619
	e	Earthworks	8	Per km	€41,190.38	€ 329,523
	f	Pavement	8	Per km	€0.00	€ -
	g	Kerbs, Footways and Paved Areas	8	Per km	€52,879.91	€ 423,039
	h	Traffic Signs	8	Per km	€3,000.00	€ 24,000
	j	Roadmarking	8	Per km	€3,400.00	€ 27,200
	k	Lighting and Electrical	8	Per km	€0.00	€ -
	l	Landscaping and Environmental	8	Per km	€25,600.00	€ 204,800
	m	Structures (Including Tunnels - to be seperately identified)	1	Unit	€267,247.34	€ 267,247
	n	Accommodation Works	8	Per km	€10,798.60	€ 86,389
	p	Statutory Authorities & Utilities	8	Per km	€52,585.18	€ 420,681
	q	Other Costs	8	Per km	€52,585.18	€ 420,681
	r	Preliminaries	8	Per km	€126,204.43	€ 1,009,635
	s	Active Travel Costs	8	Per km	€0.00	€ -
		Total Base Cost for Main Construction Contract (Excluding VAT)				€ 4,187,081
		Add Project Specific Risk Contingency		15.0%		€ 628,062
		Sub-Total exclusive of VAT				€ 4,815,143
		Add VAT at		13.5%		€ 650,044
		Total MCC Base Cost plus Project Specific Risk Contingency and VAT				€ 5,465,188
2		**Land and Property - All-In Costs**	Quantity	Unit	Rate €	
	a	Mainline and Link Roads - Agricultural	7.7	Ha.	88047.23	€ 677,964
	b	Mainline and Link Roads - Zoned/Other		Ha.		€ -
	c	Junction/Interchanges - Agricultural		Ha.		€ -
	d	Junction/Interchanges - Zoned		Ha.		€ -
	e	Properties (See attached breakdown)		Item		€ -
		Total Base Cost for Land and Property				€ 677,964
		Add Project Specific Risk Contingency		15.0%		€ 101,695
		Total L&P Base Cost plus Project Specific Risk Contingency				€ 779,658
3		**Planning and Design**				
		Provision to take account of Actual Costs and Contract Amounts where known		8.0%		€ 334,966
		Add Project Specific Risk Contingency		15.0%		€ 50,245
		Total P&D Base Cost plus Project Specific Risk Contingency				€ 385,211
4		**Archaeology**				
		Provision to take account of Actual Costs and Contract Amounts where known		7.5%		€ 314,031
		Add Project Specific Risk Contingency		15.0%		€ 47,105
		Total Archaeology Base Cost plus Project Specific Risk Contingency and VAT				€ 361,136
5		**Advance Works and Other Contracts**				
		Provision to take account of Actual Costs and Contract Amounts where known		5.0%		€ 209,354
		Add Project Specific Risk Contingency		15.0%		€ 31,403
		Total Enabling Works and Other Contracts Base Cost plus Project Specific Risk Contingency				€ 240,757
6		**Main Contract Supervision (Employer's Costs)**				

Level 2 Estimate Summary Sheet Option 1A

Kilbeggan to Mullingar Greenway Project		**INSERT DATE OF ESTIMATE** 05/09/2024		
Phase 2 Option Selection		**INSERT BASE DATE FOR RATES** Feb-23		
	Provision to take account of Actual Costs and Contract Amounts where known	8.0%		€ 334,966
	Add Project Specific Risk Contingency	15.0%		€ 50,245
	Total MC Supervision (Employer's Costs) Base Cost plus Project Specific Risk Contingency			€ 385,211
7	**Public Transport Connectivity/Asset Renewal**			
	Provision based on percentage of Main Construction Contract Base Cost	0.0%		€ -
	Add Project Specific Risk Contingency	15.0%		€ -
	Total Walking / Cycling / PT Connectivity / Asset Renewal Base Cost plus Project Specific Risk Contingency			€ -
TOTAL LEVEL 2 ESTIMATE INCLUSIVE OF VAT				€ 7,617,162
	Mainline Length	8.00 km	Rate per km	€ 952,145
	Active Travel Costs (includes 10% L&P costs) Risk Incl	n/a	% of Total Cost	n/a

N.B. Figures above are INCLUSIVE of VAT - VAT rates utilised are : { PLEASE INSERT RATES HERE FOR EACH COST HEADING }

Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.

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 format of back-up.

See attached Estimate Assumptions Sheet for Further Project Information.

Level 2 Backup Sheet (RCO1A)

Kilbeggan to Mullingar Greenway Project	INSERT DATE ESTIMATE ISSUED	05/09/2024
Phase 2 Option Selection	INSERT BASE DATE FOR ESTIMATE	Feb-23
INSERT NAME OF TECHNICAL ADVISOR	INSERT NAME OF ESTIMATOR	Michael Conway

Main Construction Cost - Base Cost Estimate

Summary

A	Site Clearance			€1,777.96
B	Fencing			€64,130.17
C	Safety Barriers and Pedestrian Guardrails			€0.00
D	Drainage and Service Ducts			€55,827.42
E	Earthworks			€41,190.38
F	Pavement			€0.00
G	Kerbs, Footways and Paved Areas			€52,879.91
H	Traffic Signs			€3,000.00
J	Roadmarking			€3,400.00
K	Lighting and Electrical			€0.00
L	Landscaping and Environmental			€25,600.00
M	Structures (Including Tunnels to be seperately identified)			€267,247.34
N	Accommodation Works			€10,798.60
P	Statutory Authorities & Utilities			€52,585.18
Q	Any Other Obligations and Liabilities of the Contractor			€52,585.18
S	Active Travel			incl above
	Sub-Total			€631,022.13
R	Preliminaries		20%	€126,204.43
	MCC Base Cost Total excluding Project Specific Risk Contingency			€757,226.56
	Add Project Specific Risk Contingency	25	%	€189,307.00
	MCC Base Cost Total including Project Specific Risk Contingency			€946,533.56
	Add VAT at	13.5	%	€127,782.00
	MCC Base Cost Total including Project Specific Risk Contingency and VAT			€1,074,315.56

Level 2 Backup Sheet (RCO1A)

Kilbeggan to Mullingar Greenway Project	INSERT DATE ESTIMATE ISSUED	05/09/2024
Phase 2 Option Selection	INSERT BASE DATE FOR ESTIMATE	Feb-23
INSERT NAME OF TECHNICAL ADVISOR	INSERT NAME OF ESTIMATOR	Michael Conway

Mainline Length	8
MCC Cost per km based on Mainline Length Only	€118,316.69
Mainline plus Link Road Length	n/a
MCC Cost per km based on Mainline plus Link Road Length	n/a

Schedule of Works		Quantity	Unit	Rate/Prices	
A	**Site Clearance**				
A.1	General Site Clearance	0.8	Ha	€2,222.45	€1,777.96
A.2	Demolition of Buildings	0	Nr.	€3,605.02	€0.00
	Site Clearance Total to Summary				€1,777.96
B	**Fencing**				
B.1	Permanent Boundary Fencing	1500	m	€39.95	€59,924.33
B.2	Temporary Fencing	0	m	€11.52	€0.00
B.3	Mammal Fencing	0	m	€46.83	€0.00
B.4	Other Fencing (e.g. Palisade Security Fencing)	0	m	€70.10	€0.00
B.5	Other Fencing (e.g. Gates)	5	m	€841.17	€4,205.85
	Fencing Total to Summary				€64,130.17
C	**Safety Barrier and Pedestrian Guardrails**				
C.1	Safety Barrier (Specify Type)	0	m		0
C.2	Median Barrier (Specify Type e.g. Concrete or Wire)	0	m		0
C.3	Pedestrian Guardrail	0	m		0
	Safety Barrier and Pedestrian Guardrails Total to Summary				0
D	**Drainage and Service Ducts**				
D.1	Drainage - Sealed - Mainline and Link Roads		m	€54.03	0
D.2	Drainage - Open - Mainline and Link Roads		m	€45.07	0
D.3	Drainage and Service Ducts - Side Roads	1000	m	€50.07	50069.41
D.4	Drainage to Junctions/Interchanges (Chambers)	5	m	€1,151.60	5758.01
D.5	Outfalls		m	0	0
D.6	Attenuation Ponds/Provision		Item	0	0
D.7	Service Ducts (Specify Nr. Of Ducts) - Mainline and Link Roads		m	€87.62	0
D.8	Service Ducts (Specify Nr. Of Ducts) - Junctions/Interchanges		m	€87.62	0
D.9	Service Ducts (Specify Nr. Of Ducts) - Side Roads		m		0
	Drainage and Service Ducts Total to Summary				€55,827.42
E	**Earthworks**				
Mainline & Link Roads					
E.1	Excavation - Topsoil	1500	m3	€4.57	€6,857.40
E.2	Excavation - Acceptable	750	m3	€3.77	€2,824.78
E.3	Excavation - U1	0	m3	€3.09	€0.00
E.4	Excavation - U2	0	m3	€8.31	€0.00
E.5	Extra Over Excavation for Hard Material	0	m3	€14.00	€0.00
E.6	Processing (Specify source and end use)	0	m3	€1.53	€0.00
E.7	Disposal - U1	0	m3	€9.73	€0.00
E.8	Disposal - U2	0	m3	€272.13	€0.00
E.9	Import (Specify)	1500	m3	€19.12	€28,676.40
E.10	Compaction (Specify)	1500	m3	€0.96	€1,441.61

Level 2 Backup Sheet (RCO1A)

Kilbeggan to Mullingar Greenway Project		INSERT DATE ESTIMATE ISSUED			05/09/2024
Phase 2 Option Selection		INSERT BASE DATE FOR ESTIMATE			Feb-23
INSERT NAME OF TECHNICAL ADVISOR		INSERT NAME OF ESTIMATOR			Michael Conway
E11	Sub-formation and Formation		m2	€0.86	€0.00
E.12	Landscaping (Specify)	600	m3	€2.32	€1,390.18
E.13	Landscaping (Specify)	2000	m2	€0.80	€1,600.06
	Earthworks Sub-Total				€41,190.38
Junctions/Interchanges					
	Quantify works as per Mainline				0
	Earthworks Sub-Total				
Side Roads					
	Quantify works as per Mainline				0
	Earthworks Sub-Total				
	Earthworks Total to Summary				€41,190.38
F	**Pavement**				
Mainline					
F.1	Sub-Base (Specify)		m3	€17.63	€0.00
F.2	Compaction		m3	€7.21	€0.00
F.3	Roadbase (Specify)		m2	€30.77	€0.00
F.4	Base Course (Specify)		m2	€18.18	€0.00
F.5	Wearing Course (Specify)		m2	€12.87	€0.00
	Pavement Sub-Total				€0.00
Interchanges					
	Quantify works as per Mainline			N/A	
	Pavement Sub-Total				
Side Roads					
	Quantify works as per Mainline			N/A	
	Pavement Sub-Total			N/A	
	Pavement Total to Summary				€0.00
G	**Kerbs Footways and Paved Areas**				
	Allowance based on project scope and historical costs	3000	sum	17.63	€52,879.91
H	**Traffic Signs**				
	Allowance based on project scope and historical costs		sum		€3,000.00
J	**Roadmarkings**				
	Allowance based on project scope and historical costs		sum		€3,400.00
K	**Lighting and Electrical**				
	Allowance based on project scope and historical costs		sum	N/A	
L	**Landscaping and Environmental**				
	Allowance based on project scope and historical costs		sum		€25,600.00
M	**Structures** (Including Tunnels to be seperately identified)				
Section 1 A Structures					
M.1	Structure Type A (Standard Concrete)	68	per m²	3930.1	€267,247.34

Level 2 Backup Sheet (RCO1A)

Kilbeggan to Mullingar Greenway Project		INSERT DATE ESTIMATE ISSUED		05/09/2024
Phase 2 Option Selection		INSERT BASE DATE FOR ESTIMATE		Feb-23
INSERT NAME OF TECHNICAL ADVISOR		INSERT NAME OF ESTIMATOR		Michael Conway

M.2	Structure Type A (Standard Steel)	0	per m²	4936.6	€0.00
	Structures Total to Summary				€267,247.34
	INSERT FURTHER STRUCTURES AS NECESSARY - CLEARLY IDENTIFY SIGNATURE STRUCTURES				
N	**Accommodation Works**				
	Allowance based on project scope and historical costs		sum		€10,798.60
P	**Statutory Authorities & Utilities**				
	Allowance based on project scope and historical costs		%	10%	€52,585.18
Q	**Any Other Obligations and Liabilities of the Contractor**				
	Allowance based on project scope and historical costs		%	10%	€52,585.18
R	**Preliminaries**				
R.1	Temporary Works including Traffic Management (Specify)		sum		
R.2	All other Preliminary Items		sum		
	Preliminaries Total to Summary				€0.00

N.B. Figures are exclusive of VAT except where expressly stated above.
Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.
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 format of back-up.
See attached Estimate Assumptions Sheet for Further Project Information.

Land and Property				
Greenway Sustainability Payments	1000	per m	€40.91	€40,910.00
Land Acquisition Payments	8000	per m²	€2.62	€20,998.42
General Disturbance	1	per km	€10,390.00	€10,390.00
Injurious Affection	8000	per m²	€1.97	€15,748.81
Total Land and Property				€88,047.23

Level 2 Estimate Summary Sheet Option 1B

Kilbeggan to Mullingar Greenway Project			**INSERT DATE OF ESTIMATE** 05/09/2024		
Phase 2 Option Selection			**INSERT BASE DATE FOR RATES** Feb-23		
INSERT NAME OF TECHNICAL ADVISOR			INSERT NAME OF ESTIMATOR		
Mainline Section Type :	Greenway		Mainline Length :	1.90	
Link Roads Section Type :	n/a		Link Roads Length :	n/a	

			Quantity	Unit	Rate €	Total €
1		**Main Construction Contract (See attached for breakdown presented to Level 2 detail)**	Quantity	Unit	Rate €	Total €
	a	Site Clearance	1.9	Per km	€1,777.96	€ 3,378
	b	Fencing	1.9	Per km	€64,130.17	€ 121,847
	c	Safety Barriers and Pedestrian Guardrails	1.9	Per km	€0.00	€ -
	d	Drainage and Service Ducts	1.9	Per km	€55,827.42	€ 106,072
	e	Earthworks	1.9	Per km	€41,190.38	€ 78,262
	f	Pavement	1.9	Per km	€0.00	€ -
	g	Kerbs, Footways and Paved Areas	1.9	Per km	€52,879.91	€ 100,472
	h	Traffic Signs	1.9	Per km	€3,000.00	€ 5,700
	j	Roadmarking	1.9	Per km	€3,400.00	€ 6,460
	k	Lighting and Electrical	1.9	Per km	€0.00	€ -
	l	Landscaping and Environmental	1.9	Per km	€25,600.00	€ 48,640
	m	Structures (Including Tunnels - to be seperately identified)	1	Unit	€157,204.32	€ 157,204
	n	Accommodation Works	1.9	Per km	€10,798.60	€ 20,517
	p	Statutory Authorities & Utilities	1.9	Per km	€41,580.88	€ 79,004
	q	Other Costs	1.9	Per km	€41,580.88	€ 79,004
	r	Preliminaries	1.9	Per km	€99,794.10	€ 189,609
	s	Active Travel Costs	1.9	Per km	€0.00	€ -
		Total Base Cost for Main Construction Contract (Excluding VAT)				€ 996,169
		Add Project Specific Risk Contingency		15.0%		€ 149,425
		Sub-Total exclusive of VAT				€ 1,145,594
		Add VAT at		13.5%		€ 154,655
		Total MCC Base Cost plus Project Specific Risk Contingency and VAT				€ 1,300,249
2		**Land and Property - All-In Costs**	Quantity	Unit	Rate €	
	a	Mainline and Link Roads - Agricultural	1.9	Ha.	88047.23	€ 167,290
	b	Mainline and Link Roads - Zoned/Other		Ha.		€ -
	c	Junction/Interchanges - Agricultural		Ha.		€ -
	d	Junction/Interchanges - Zoned		Ha.		€ -
	e	Properties (See attached breakdown)		Item		€ -
		Total Base Cost for Land and Property				€ 167,290
		Add Project Specific Risk Contingency		15.0%		€ 25,093
		Total L&P Base Cost plus Project Specific Risk Contingency				€ 192,383
3		**Planning and Design**				
		Provision to take account of Actual Costs and Contract Amounts where known		8.0%		€ 79,694
		Add Project Specific Risk Contingency		15.0%		€ 11,954
		Total P&D Base Cost plus Project Specific Risk Contingency				€ 91,648
4		**Archaeology**				
		Provision to take account of Actual Costs and Contract Amounts where known		7.5%		€ 74,713
		Add Project Specific Risk Contingency		15.0%		€ 11,207
		Total Archaeology Base Cost plus Project Specific Risk Contingency and VAT				€ 85,920
5		**Advance Works and Other Contracts**				
		Provision to take account of Actual Costs and Contract Amounts where known		5.0%		€ 49,808
		Add Project Specific Risk Contingency		15.0%		€ 7,471
		Total Enabling Works and Other Contracts Base Cost plus Project Specific Risk Contingency				€ 57,280
6		**Main Contract Supervision (Employer's Costs)**				

Level 2 Estimate Summary Sheet Option 1B

Kilbeggan to Mullingar Greenway Project		**INSERT DATE OF ESTIMATE** 05/09/2024		
Phase 2 Option Selection		**INSERT BASE DATE FOR RATES** Feb-23		
	Provision to take account of Actual Costs and Contract Amounts where known	8.0%		€ 79,694
	Add Project Specific Risk Contingency	15.0%		€ 11,954
	Total MC Supervision (Employer's Costs) Base Cost plus Project Specific Risk Contingency			€ 91,648
7	**Public Transport Connectivity/Asset Renewal**			
	Provision based on percentage of Main Construction Contract Base Cost	0.0%		€ -
	Add Project Specific Risk Contingency	15.0%		€ -
	Total Walking / Cycling / PT Connectivity / Asset Renewal Base Cost plus Project Specific Risk Contingency			€ -
TOTAL LEVEL 2 ESTIMATE INCLUSIVE OF VAT				€ 1,819,127
	Mainline Length	1.90 km	Rate per km	€ 957,435
	Active Travel Costs (includes 10% L&P costs) Risk Incl	n/a	% of Total Cost	n/a

N.B. Figures above are INCLUSIVE of VAT - VAT rates utilised are : { PLEASE INSERT RATES HERE FOR EACH COST HEADING }

Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.

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 format of back-up.

See attached Estimate Assumptions Sheet for Further Project Information.

Level 2 Backup Sheet (Option 1B)

Kilbeggan to Mullingar Greenway Project	INSERT DATE ESTIMATE ISSUED	05/09/2024
Phase 2 Option Selection	INSERT BASE DATE FOR ESTIMATE	Feb-23
INSERT NAME OF TECHNICAL ADVISOR	INSERT NAME OF ESTIMATOR	Michael Conway

Main Construction Cost - Base Cost Estimate

Summary

A	Site Clearance			€1,777.96
B	Fencing			€64,130.17
C	Safety Barriers and Pedestrian Guardrails			€0.00
D	Drainage and Service Ducts			€55,827.42
E	Earthworks			€41,190.38
F	Pavement			€0.00
G	Kerbs, Footways and Paved Areas			€52,879.91
H	Traffic Signs			€3,000.00
J	Roadmarking			€3,400.00
K	Lighting and Electrical			€0.00
L	Landscaping and Environmental			€25,600.00
M	Structures (Including Tunnels to be seperately identified)			€157,204.32
N	Accommodation Works			€10,798.60
P	Statutory Authorities & Utilities			€41,580.88
Q	Any Other Obligations and Liabilities of the Contractor			€41,580.88
S	Active Travel			incl above
	Sub-Total			€498,970.51
R	Preliminaries		20%	€99,794.10
	MCC Base Cost Total excluding Project Specific Risk Contingency			€598,764.61
	Add Project Specific Risk Contingency	25	%	€149,691.00
	MCC Base Cost Total including Project Specific Risk Contingency			€748,455.61
	Add VAT at	13.5	%	€101,042.00
	MCC Base Cost Total including Project Specific Risk Contingency and VAT			€849,497.61

Level 2 Backup Sheet (Option 1B)

Kilbeggan to Mullingar Greenway Project	INSERT DATE ESTIMATE ISSUED	05/09/2024
Phase 2 Option Selection	INSERT BASE DATE FOR ESTIMATE	Feb-23
INSERT NAME OF TECHNICAL ADVISOR	INSERT NAME OF ESTIMATOR	Michael Conway

Mainline Length	1.9
MCC Cost per km based on Mainline Length Only	€393,924.01
Mainline plus Link Road Length	n/a
MCC Cost per km based on Mainline plus Link Road Length	n/a

	Schedule of Works	**Quantity**	**Unit**	**Rate/Prices**	
A	**Site Clearance**				
A.1	General Site Clearance	0.8	Ha	€2,222.45	€1,777.96
A.2	Demolition of Buildings	0	Nr.	€3,605.02	€0.00
	Site Clearance Total to Summary				€1,777.96
B	**Fencing**				
B.1	Permanent Boundary Fencing	1500	m	€39.95	€59,924.33
B.2	Temporary Fencing	0	m	€11.52	€0.00
B.3	Mammal Fencing	0	m	€46.83	€0.00
B.4	Other Fencing (e.g. Palisade Security Fencing)	0	m	€70.10	€0.00
B.5	Other Fencing (e.g. Gates)	5	m	€841.17	€4,205.85
	Fencing Total to Summary				€64,130.17
C	**Safety Barrier and Pedestrian Guardrails**				
C.1	Safety Barrier (Specify Type)	0	m		0
C.2	Median Barrier (Specify Type e.g. Concrete or Wire)	0	m		0
C.3	Pedestrian Guardrail	0	m		0
	Safety Barrier and Pedestrian Guardrails Total to Summary				0
D	**Drainage and Service Ducts**				
D.1	Drainage - Sealed - Mainline and Link Roads		m	€54.03	0
D.2	Drainage - Open - Mainline and Link Roads		m	€45.07	0
D.3	Drainage and Service Ducts - Side Roads	1000	m	€50.07	50069.41
D.4	Drainage to Junctions/Interchanges (Chambers)	5	m	€1,151.60	5758.01
D.5	Outfalls		m	0	0
D.6	Attenuation Ponds/Provision		Item	0	0
D.7	Service Ducts (Specify Nr. Of Ducts) - Mainline and Link Roads		m	€87.62	0
D.8	Service Ducts (Specify Nr. Of Ducts) - Junctions/Interchanges		m	€87.62	0
D.9	Service Ducts (Specify Nr. Of Ducts) - Side Roads		m		0
	Drainage and Service Ducts Total to Summary				€55,827.42
E	**Earthworks**				
	Mainline & Link Roads				
E.1	Excavation - Topsoil	1500	m3	€4.57	€6,857.40
E.2	Excavation - Acceptable	750	m3	€3.77	€2,824.78
E.3	Excavation - U1		m3	€3.09	€0.00
E.4	Excavation - U2		m3	€8.31	€0.00
E.5	Extra Over Excavation for Hard Material		m3	€14.00	€0.00
E.6	Processing (Specify source and end use)		m3	€1.53	€0.00
E.7	Disposal - U1		m3	€9.73	€0.00
E.8	Disposal - U2		m3	€272.13	€0.00
E.9	Import (Specify)	1500	m3	€19.12	€28,676.40
E.10	Compaction (Specify)	1500	m3	€0.96	€1,441.61

Level 2 Backup Sheet (Option 1B)

Kilbeggan to Mullingar Greenway Project		INSERT DATE ESTIMATE ISSUED			05/09/2024
Phase 2 Option Selection		INSERT BASE DATE FOR ESTIMATE			Feb-23
INSERT NAME OF TECHNICAL ADVISOR		INSERT NAME OF ESTIMATOR			Michael Conway
E11	Sub-formation and Formation		m2	€0.86	€0.00
E.12	Landscaping (Specify)	600	m3	€2.32	€1,390.18
E.13	Landscaping (Specify)	1000	m2	€0.80	€800.03
	Earthworks Sub-Total				€41,190.38
Junctions/Interchanges					
	Quantify works as per Mainline				0
	Earthworks Sub-Total				
Side Roads					
	Quantify works as per Mainline				0
	Earthworks Sub-Total				
	Earthworks Total to Summary				€41,190.38
F	**Pavement**				
Mainline					
F.1	Sub-Base (Specify)		m3	€17.63	€0.00
F.2	Compaction		m3	€7.21	€0.00
F.3	Roadbase (Specify)		m2	€30.77	€0.00
F.4	Base Course (Specify)		m2	€18.18	€0.00
F.5	Wearing Course (Specify)		m2	€12.87	€0.00
	Pavement Sub-Total				€0.00
Interchanges					
	Quantify works as per Mainline			N/A	
	Pavement Sub-Total				
Side Roads					
	Quantify works as per Mainline			N/A	
	Pavement Sub-Total			N/A	
	Pavement Total to Summary				€0.00
G	**Kerbs Footways and Paved Areas**				
	Allowance based on project scope and historical costs	3000	sum	17.63	€52,879.91
H	**Traffic Signs**				
	Allowance based on project scope and historical costs		sum		€3,000.00
J	**Roadmarkings**				
	Allowance based on project scope and historical costs		sum		€3,400.00
K	**Lighting and Electrical**				
	Allowance based on project scope and historical costs		sum	N/A	
L	**Landscaping and Environmental**				
	Allowance based on project scope and historical costs		sum		€25,600.00
M	**Structures** (Including Tunnels to be seperately identified)				
Section 1 A Structures					
M.1	Structure Type A (Standard Concrete)	40	per m²	3930.1	€157,204.32

Level 2 Backup Sheet (Option 1B)

Kilbeggan to Mullingar Greenway Project		INSERT DATE ESTIMATE ISSUED			05/09/2024
Phase 2 Option Selection		INSERT BASE DATE FOR ESTIMATE			Feb-23
INSERT NAME OF TECHNICAL ADVISOR		INSERT NAME OF ESTIMATOR			Michael Conway
M.2	Structure Type A (Standard Steel)	0	per m²	4936.6	€0.00
	Structures Total to Summary				€157,204.32
INSERT FURTHER STRUCTURES AS NECESSARY - CLEARLY IDENTIFY SIGNATURE STRUCTURES					
N	**Accommodation Works**				
	Allowance based on project scope and historical costs		sum		€10,798.60
P	**Statutory Authorities & Utilities**				
	Allowance based on project scope and historical costs		%	10%	€41,580.88
Q	**Any Other Obligations and Liabilities of the Contractor**				
	Allowance based on project scope and historical costs		%	10%	€41,580.88
R	**Preliminaries**				
R.1	Temporary Works including Traffic Management (Specify)		sum		
R.2	All other Preliminary Items		sum		
	Preliminaries Total to Summary				€0.00

N.B. Figures are exclusive of VAT except where expressly stated above.
Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.
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 format of back-up.
See attached Estimate Assumptions Sheet for Further Project Information.

Land and Property				
Greenway Sustainability Payments	1000	per m	€40.91	€40,910.00
Land Acquisition Payments	8000	per m²	€2.62	€20,998.42
General Disturbance	1	per km	€10,390.00	€10,390.00
Injurious Affection	8000	per m²	€1.97	€15,748.81
Total Land and Property				€88,047.23

Level 2 Estimate Summary Sheet Option 1C

Kilbeggan to Mullingar Greenway Project			**INSERT DATE OF ESTIMATE** 05/09/2024		
Phase 2 Option Selection			**INSERT BASE DATE FOR RATES** Feb-23		
INSERT NAME OF TECHNICAL ADVISOR			INSERT NAME OF ESTIMATOR		
	Mainline Section Type :	Greenway	Mainline Length :		4.50
	Link Roads Section Type :	n/a	Link Roads Length :		n/a

			Quantity	Unit	Rate €	Total €
1	**Main Construction Contract (See attached for breakdown presented to Level 2 detail)**					
	a	Site Clearance	4.5	Per km	€1,777.96	€ 8,001
	b	Fencing	4.5	Per km	€64,130.17	€ 288,586
	c	Safety Barriers and Pedestrian Guardrails	4.5	Per km	€0.00	€ -
	d	Drainage and Service Ducts	4.5	Per km	€55,827.42	€ 251,223
	e	Earthworks	4.5	Per km	€41,190.38	€ 185,357
	f	Pavement	4.5	Per km	€0.00	€ -
	g	Kerbs, Footways and Paved Areas	4.5	Per km	€52,879.91	€ 237,960
	h	Traffic Signs	4.5	Per km	€3,000.00	€ 13,500
	j	Roadmarking	4.5	Per km	€3,400.00	€ 15,300
	k	Lighting and Electrical	4.5	Per km	€0.00	€ -
	l	Landscaping and Environmental	4.5	Per km	€25,600.00	€ 115,200
	m	Structures (Including Tunnels - to be seperately identified)	1	Unit	€78,602.16	€ 78,602
	n	Accommodation Works	4.5	Per km	€10,798.60	€ 48,594
	p	Statutory Authorities & Utilities	4.5	Per km	€33,720.66	€ 151,743
	q	Other Costs	4.5	Per km	€33,720.66	€ 151,743
	r	Preliminaries	4.5	Per km	€80,929.58	€ 364,183
	s	Active Travel Costs	4.5	Per km	€0.00	€ -
	Total Base Cost for Main Construction Contract (Excluding VAT)					€ 1,909,991
	Add Project Specific Risk Contingency			15.0%		€ 286,499
	Sub-Total exclusive of VAT					€ 2,196,490
	Add VAT at			13.5%		€ 296,526
	Total MCC Base Cost plus Project Specific Risk Contingency and VAT					€ 2,493,016
2	**Land and Property - All-In Costs**		Quantity	Unit	Rate €	
	a	Mainline and Link Roads - Agricultural	2.8	Ha.	88047.23	€ 246,532
	b	Mainline and Link Roads - Zoned/Other		Ha.		€ -
	c	Junction/Interchanges - Agricultural		Ha.		€ -
	d	Junction/Interchanges - Zoned		Ha.		€ -
	e	Properties (See attached breakdown)		Item		€ -
	Total Base Cost for Land and Property					€ 246,532
	Add Project Specific Risk Contingency			15.0%		€ 36,980
	Total L&P Base Cost plus Project Specific Risk Contingency					€ 283,512
3	**Planning and Design**					
	Provision to take account of Actual Costs and Contract Amounts where known			8.0%		€ 152,799
	Add Project Specific Risk Contingency			15.0%		€ 22,920
	Total P&D Base Cost plus Project Specific Risk Contingency					€ 175,719
4	**Archaeology**					
	Provision to take account of Actual Costs and Contract Amounts where known			7.5%		€ 143,249
	Add Project Specific Risk Contingency			15.0%		€ 21,487
	Total Archaeology Base Cost plus Project Specific Risk Contingency and VAT					€ 164,737
5	**Advance Works and Other Contracts**					
	Provision to take account of Actual Costs and Contract Amounts where known			5.0%		€ 95,500
	Add Project Specific Risk Contingency			15.0%		€ 14,325
	Total Enabling Works and Other Contracts Base Cost plus Project Specific Risk Contingency					€ 109,824
6	**Main Contract Supervision (Employer's Costs)**					

Level 2 Estimate Summary Sheet Option 1C

Kilbeggan to Mullingar Greenway Project		**INSERT DATE OF ESTIMATE** 05/09/2024		
Phase 2 Option Selection		**INSERT BASE DATE FOR RATES** Feb-23		
	Provision to take account of Actual Costs and Contract Amounts where known	8.0%		€ 152,799
	Add Project Specific Risk Contingency	15.0%		€ 22,920
	Total MC Supervision (Employer's Costs) Base Cost plus Project Specific Risk Contingency			€ 175,719
7	**Public Transport Connectivity/Asset Renewal**			
	Provision based on percentage of Main Construction Contract Base Cost	0.0%		€ -
	Add Project Specific Risk Contingency	15.0%		€ -
	Total Walking / Cycling / PT Connectivity / Asset Renewal Base Cost plus Project Specific Risk Contingency			€ -
TOTAL LEVEL 2 ESTIMATE INCLUSIVE OF VAT				€ 3,402,528
	Mainline Length	4.50 km	Rate per km	€ 756,117
	Active Travel Costs (includes 10% L&P costs) Risk Incl	n/a	% of Total Cost	n/a

N.B. Figures above are INCLUSIVE of VAT - VAT rates utilised are : { PLEASE INSERT RATES HERE FOR EACH COST HEADING }

Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.

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 format of back-up.

See attached Estimate Assumptions Sheet for Further Project Information.

Level 2 Backup Sheet (Option 1C)

Kilbeggan to Mullingar Greenway Project	INSERT DATE ESTIMATE ISSUED	05/09/2024
Phase 2 Option Selection	INSERT BASE DATE FOR ESTIMATE	Feb-23
INSERT NAME OF TECHNICAL ADVISOR	INSERT NAME OF ESTIMATOR	Michael Conway

Main Construction Cost - Base Cost Estimate

Summary

A	Site Clearance			€1,777.96
B	Fencing			€64,130.17
C	Safety Barriers and Pedestrian Guardrails			€0.00
D	Drainage and Service Ducts			€55,827.42
E	Earthworks			€41,190.38
F	Pavement			€0.00
G	Kerbs, Footways and Paved Areas			€52,879.91
H	Traffic Signs			€3,000.00
J	Roadmarking			€3,400.00
K	Lighting and Electrical			€0.00
L	Landscaping and Environmental			€25,600.00
M	Structures (Including Tunnels to be seperately identified)			€78,602.16
N	Accommodation Works			€10,798.60
P	Statutory Authorities & Utilities			€33,720.66
Q	Any Other Obligations and Liabilities of the Contractor			€33,720.66
S	Active Travel			incl above
	Sub-Total			€404,647.91
R	Preliminaries		20%	€80,929.58
	MCC Base Cost Total excluding Project Specific Risk Contingency			€485,577.49
	Add Project Specific Risk Contingency	25	%	€121,394.00
	MCC Base Cost Total including Project Specific Risk Contingency			€606,971.49
	Add VAT at	13.5	%	€81,941.00
	MCC Base Cost Total including Project Specific Risk Contingency and VAT			€688,912.49

Level 2 Backup Sheet (Option 1C)

Kilbeggan to Mullingar Greenway Project	INSERT DATE ESTIMATE ISSUED	05/09/2024
Phase 2 Option Selection	INSERT BASE DATE FOR ESTIMATE	Feb-23
INSERT NAME OF TECHNICAL ADVISOR	INSERT NAME OF ESTIMATOR	Michael Conway

Mainline Length	4.5
MCC Cost per km based on Mainline Length Only	€134,882.55
Mainline plus Link Road Length	n/a
MCC Cost per km based on Mainline plus Link Road Length	n/a

	Schedule of Works	Quantity	Unit	Rate/Prices	
A	**Site Clearance**				
A.1	General Site Clearance	0.8	Ha	€2,222.45	€1,777.96
A.2	Demolition of Buildings	0	Nr.	€3,605.02	€0.00
	Site Clearance Total to Summary				€1,777.96
B	**Fencing**				
B.1	Permanent Boundary Fencing	1500	m	€39.95	€59,924.33
B.2	Temporary Fencing	0	m	€11.52	€0.00
B.3	Mammal Fencing	0	m	€46.83	€0.00
B.4	Other Fencing (e.g. Palisade Security Fencing)	0	m	€70.10	€0.00
B.5	Other Fencing (e.g. Gates)	5	m	€841.17	€4,205.85
	Fencing Total to Summary				€64,130.17
C	**Safety Barrier and Pedestrian Guardrails**				
C.1	Safety Barrier (Specify Type)	0	m		0
C.2	Median Barrier (Specify Type e.g. Concrete or Wire)	0	m		0
C.3	Pedestrian Guardrail	0	m		0
	Safety Barrier and Pedestrian Guardrails Total to Summary				0
D	**Drainage and Service Ducts**				
D.1	Drainage - Sealed - Mainline and Link Roads		m	€54.03	0
D.2	Drainage - Open - Mainline and Link Roads		m	€45.07	0
D.3	Drainage and Service Ducts - Side Roads	1000	m	€50.07	50069.41
D.4	Drainage to Junctions/Interchanges (Chambers)	5	m	€1,151.60	5758.01
D.5	Outfalls		m	0	0
D.6	Attenuation Ponds/Provision		Item	0	0
D.7	Service Ducts (Specify Nr. Of Ducts) - Mainline and Link Roads		m	€87.62	0
D.8	Service Ducts (Specify Nr. Of Ducts) - Junctions/Interchanges		m	€87.62	0
D.9	Service Ducts (Specify Nr. Of Ducts) - Side Roads		m		0
	Drainage and Service Ducts Total to Summary				€55,827.42
E	**Earthworks**				
	Mainline & Link Roads				
E.1	Excavation - Topsoil	1500	m3	€4.57	€6,857.40
E.2	Excavation - Acceptable	750	m3	€3.77	€2,824.78
E.3	Excavation - U1		m3	€3.09	€0.00
E.4	Excavation - U2		m3	€8.31	€0.00
E.5	Extra Over Excavation for Hard Material		m3	€14.00	€0.00
E.6	Processing (Specify source and end use)		m3	€1.53	€0.00
E.7	Disposal - U1		m3	€9.73	€0.00
E.8	Disposal - U2		m3	€272.13	€0.00
E.9	Import (Specify)	1500	m3	€19.12	€28,676.40
E.10	Compaction (Specify)	1500	m3	€0.96	€1,441.61

Level 2 Backup Sheet (Option 1C)					
Kilbeggan to Mullingar Greenway Project		INSERT DATE ESTIMATE ISSUED			05/09/2024
Phase 2 Option Selection		INSERT BASE DATE FOR ESTIMATE			Feb-23
INSERT NAME OF TECHNICAL ADVISOR		INSERT NAME OF ESTIMATOR			Michael Conway
E11	Sub-formation and Formation		m2	€0.86	€0.00
E.12	Landscaping (Specify)	600	m3	€2.32	€1,390.18
E.13	Landscaping (Specify)	1000	m2	€0.80	€800.03
	Earthworks Sub-Total				€41,190.38
Junctions/Interchanges					
	Quantify works as per Mainline				0
	Earthworks Sub-Total				
Side Roads					
	Quantify works as per Mainline				0
	Earthworks Sub-Total				
	Earthworks Total to Summary				€41,190.38
F	**Pavement**				
Mainline					
F.1	Sub-Base (Specify)		m3	€17.63	€0.00
F.2	Compaction		m3	€7.21	€0.00
F.3	Roadbase (Specify)		m2	€30.77	€0.00
F.4	Base Course (Specify)		m2	€18.18	€0.00
F.5	Wearing Course (Specify)		m2	€12.87	€0.00
	Pavement Sub-Total				€0.00
Interchanges					
	Quantify works as per Mainline			N/A	
	Pavement Sub-Total				
Side Roads					
	Quantify works as per Mainline			N/A	
	Pavement Sub-Total			N/A	
	Pavement Total to Summary				€0.00
G	**Kerbs Footways and Paved Areas**				
	Allowance based on project scope and historical costs	3000	sum	17.63	€52,879.91
H	**Traffic Signs**				
	Allowance based on project scope and historical costs		sum		€3,000.00
J	**Roadmarkings**				
	Allowance based on project scope and historical costs		sum		€3,400.00
K	**Lighting and Electrical**				
	Allowance based on project scope and historical costs		sum	N/A	
L	**Landscaping and Environmental**				
	Allowance based on project scope and historical costs		sum		€25,600.00
M	**Structures** (Including Tunnels to be seperately identified)				
Section 1 A Structures					
M.1	Structure Type A (Standard Concrete)	20	per m²	3930.1	€78,602.16

Level 2 Backup Sheet (Option 1C)					
Kilbeggan to Mullingar Greenway Project		INSERT DATE ESTIMATE ISSUED			05/09/2024
Phase 2 Option Selection		INSERT BASE DATE FOR ESTIMATE			Feb-23
INSERT NAME OF TECHNICAL ADVISOR		INSERT NAME OF ESTIMATOR			Michael Conway
M.2	Structure Type A (Standard Steel)	0	per m²	4936.6	€0.00
	Structures Total to Summary				€78,602.16
INSERT FURTHER STRUCTURES AS NECESSARY - CLEARLY IDENTIFY SIGNATURE STRUCTURES					
N	**Accommodation Works**				
	Allowance based on project scope and historical costs		sum		€10,798.60
P	**Statutory Authorities & Utilities**				
	Allowance based on project scope and historical costs		%	10%	€33,720.66
Q	**Any Other Obligations and Liabilities of the Contractor**				
	Allowance based on project scope and historical costs		%	10%	€33,720.66
R	**Preliminaries**				
R.1	Temporary Works including Traffic Management (Specify)		sum		
R.2	All other Preliminary Items		sum		
	Preliminaries Total to Summary				€0.00
N.B.	Figures are exclusive of VAT except where expressly stated above.				
	Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.				
	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 format of back-up.				
	See attached Estimate Assumptions Sheet for Further Project Information.				
	Land and Property				
	Greenway Sustainability Payments	1000	per m	€40.91	€40,910.00
	Land Acquisition Payments	8000	per m²	€2.62	€20,998.42
	General Disturbance	1	per km	€10,390.00	€10,390.00
	Injurious Affection	8000	per m²	€1.97	€15,748.81
	Total Land and Property				€88,047.23

Level 2 Estimate Summary Sheet Option 1D						
Kilbeggan to Mullingar Greenway Project			**INSERT DATE OF ESTIMATE** 05/09/2024			
Phase 2 Option Selection			**INSERT BASE DATE FOR RATES** Feb-23			
INSERT NAME OF TECHNICAL ADVISOR			INSERT NAME OF ESTIMATOR			
		Mainline Section Type :	Greenway	Mainline Length :		14.10
		Link Roads Section Type :	n/a	Link Roads Length :		n/a
1		**Main Construction Contract (See attached for breakdown presented to Level 2 detail)**	Quantity	Unit	Rate €	Total €
	a	Site Clearance	14.1	Per km	€1,777.96	€ 25,069
	b	Fencing	14.1	Per km	€64,130.17	€ 904,235
	c	Safety Barriers and Pedestrian Guardrails	14.1	Per km	€0.00	€ -
	d	Drainage and Service Ducts	14.1	Per km	€55,827.42	€ 787,167
	e	Earthworks	14.1	Per km	€41,190.38	€ 580,784
	f	Pavement	14.1	Per km	€0.00	€ -
	g	Kerbs, Footways and Paved Areas	14.1	Per km	€52,879.91	€ 745,607
	h	Traffic Signs	14.1	Per km	€3,000.00	€ 42,300
	j	Roadmarking	14.1	Per km	€3,400.00	€ 47,940
	k	Lighting and Electrical	14.1	Per km	€0.00	€ -
	l	Landscaping and Environmental	14.1	Per km	€25,600.00	€ 360,960
	m	Structures (Including Tunnels - to be seperately identified)	1	Unit	€707,419.44	€ 707,419
	n	Accommodation Works	14.1	Per km	€10,798.60	€ 152,260
	p	Statutory Authorities & Utilities	14.1	Per km	€96,602.39	€ 1,362,094
	q	Other Costs	14.1	Per km	€96,602.39	€ 1,362,094
	r	Preliminaries	14.1	Per km	€231,845.73	€ 3,269,025
	s	Active Travel Costs	14.1	Per km	€0.00	€ -
		Total Base Cost for Main Construction Contract (Excluding VAT)				€ 10,346,954
		Add Project Specific Risk Contingency		15.0%		€ 1,552,043
		Sub-Total exclusive of VAT				€ 11,898,997
		Add VAT at		13.5%		€ 1,606,365
		Total MCC Base Cost plus Project Specific Risk Contingency and VAT				€ 13,505,362
2		**Land and Property - All-In Costs**	Quantity	Unit	Rate €	
	a	Mainline and Link Roads - Agricultural	8	Ha.	88047.23	€ 704,378
	b	Mainline and Link Roads - Zoned/Other		Ha.		€ -
	c	Junction/Interchanges - Agricultural		Ha.		€ -
	d	Junction/Interchanges - Zoned		Ha.		€ -
	e	Properties (See attached breakdown)		Item		€ -
		Total Base Cost for Land and Property				€ 704,378
		Add Project Specific Risk Contingency		15.0%		€ 105,657
		Total L&P Base Cost plus Project Specific Risk Contingency				€ 810,035
3		**Planning and Design**				
		Provision to take account of Actual Costs and Contract Amounts where known		8.0%		€ 827,756
		Add Project Specific Risk Contingency		15.0%		€ 124,163
		Total P&D Base Cost plus Project Specific Risk Contingency				€ 951,920
4		**Archaeology**				
		Provision to take account of Actual Costs and Contract Amounts where known		7.5%		€ 776,022
		Add Project Specific Risk Contingency		15.0%		€ 116,403
		Total Archaeology Base Cost plus Project Specific Risk Contingency and VAT				€ 892,425
5		**Advance Works and Other Contracts**				
		Provision to take account of Actual Costs and Contract Amounts where known		5.0%		€ 517,348
		Add Project Specific Risk Contingency		15.0%		€ 77,602
		Total Enabling Works and Other Contracts Base Cost plus Project Specific Risk Contingency				€ 594,950
6		**Main Contract Supervision (Employer's Costs)**				

Level 2 Estimate Summary Sheet Option 1D

Kilbeggan to Mullingar Greenway Project

Phase 2 Option Selection

INSERT DATE OF ESTIMATE 05/09/2024

INSERT BASE DATE FOR RATES Feb-23

	Provision to take account of Actual Costs and Contract Amounts where known	8.0%		€ 827,756
	Add Project Specific Risk Contingency	15.0%		€ 124,163
	Total MC Supervision (Employer's Costs) Base Cost plus Project Specific Risk Contingency			€ 951,920
7	**Public Transport Connectivity/Asset Renewal**			
	Provision based on percentage of Main Construction Contract Base Cost	0.0%		€ -
	Add Project Specific Risk Contingency	15.0%		€ -
	Total Walking / Cycling / PT Connectivity / Asset Renewal Base Cost plus Project Specific Risk Contingency			€ -
	TOTAL LEVEL 2 ESTIMATE INCLUSIVE OF VAT			€ 17,706,611

Mainline Length	14.10	km	Rate per km	€ 1,255,788
Active Travel Costs (includes 10% L&P costs) Risk Incl	n/a		% of Total Cost	n/a

N.B. Figures above are INCLUSIVE of VAT - VAT rates utilised are : { PLEASE INSERT RATES HERE FOR EACH COST HEADING }

Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.

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 format of back-up.

See attached Estimate Assumptions Sheet for Further Project Information.

Level 2 Backup Sheet (Option 1D)

Kilbeggan to Mullingar Greenway Project		INSERT DATE ESTIMATE ISSUED	05/09/2024
Phase 2 Option Selection		INSERT BASE DATE FOR ESTIMATE	Feb-23
INSERT NAME OF TECHNICAL ADVISOR		INSERT NAME OF ESTIMATOR	Michael Conway

Main Construction Cost - Base Cost Estimate

Summary

A	Site Clearance			€1,777.96
B	Fencing			€64,130.17
C	Safety Barriers and Pedestrian Guardrails			€0.00
D	Drainage and Service Ducts			€55,827.42
E	Earthworks			€41,190.38
F	Pavement			€0.00
G	Kerbs, Footways and Paved Areas			€52,879.91
H	Traffic Signs			€3,000.00
J	Roadmarking			€3,400.00
K	Lighting and Electrical			€0.00
L	Landscaping and Environmental			€25,600.00
M	Structures (Including Tunnels to be seperately identified)			€707,419.44
N	Accommodation Works			€10,798.60
P	Statutory Authorities & Utilities			€96,602.39
Q	Any Other Obligations and Liabilities of the Contractor			€96,602.39
S	Active Travel			incl above
	Sub-Total			€1,159,228.65
R	Preliminaries		20%	€231,845.73
	MCC Base Cost Total excluding Project Specific Risk Contingency			€1,391,074.38
	Add Project Specific Risk Contingency	25	%	€347,769.00
	MCC Base Cost Total including Project Specific Risk Contingency			€1,738,843.38
	Add VAT at	13.5	%	€234,744.00
	MCC Base Cost Total including Project Specific Risk Contingency and VAT			€1,973,587.38

Level 2 Backup Sheet (Option 1D)

Kilbeggan to Mullingar Greenway Project	INSERT DATE ESTIMATE ISSUED	05/09/2024
Phase 2 Option Selection	INSERT BASE DATE FOR ESTIMATE	Feb-23
INSERT NAME OF TECHNICAL ADVISOR	INSERT NAME OF ESTIMATOR	Michael Conway

Mainline Length	14.1
MCC Cost per km based on Mainline Length Only	€123,322.23
Mainline plus Link Road Length	n/a
MCC Cost per km based on Mainline plus Link Road Length	n/a

Schedule of Works

		Quantity	Unit	Rate/Prices	
A	**Site Clearance**				
A.1	General Site Clearance	0.8	Ha	€2,222.45	€1,777.96
A.2	Demolition of Buildings	0	Nr.	€3,605.02	€0.00
	Site Clearance Total to Summary				€1,777.96
B	**Fencing**				
B.1	Permanent Boundary Fencing	1500	m	€39.95	€59,924.33
B.2	Temporary Fencing		m	€11.52	€0.00
B.3	Mammal Fencing		m	€46.83	€0.00
B.4	Other Fencing (e.g. Palisade Security Fencing)		m	€70.10	€0.00
B.5	Other Fencing (e.g. Gates)	5	m	€841.17	€4,205.85
	Fencing Total to Summary				€64,130.17
C	**Safety Barrier and Pedestrian Guardrails**				
C.1	Safety Barrier (Specify Type)	0	m		0
C.2	Median Barrier (Specify Type e.g. Concrete or Wire)	0	m		0
C.3	Pedestrian Guardrail	0	m		0
	Safety Barrier and Pedestrian Guardrails Total to Summary				0
D	**Drainage and Service Ducts**				
D.1	Drainage - Sealed - Mainline and Link Roads		m	€54.03	0
D.2	Drainage - Open - Mainline and Link Roads		m	€45.07	0
D.3	Drainage and Service Ducts - Side Roads	1000	m	€50.07	50069.41
D.4	Drainage to Junctions/Interchanges (Chambers)	5	m	€1,151.60	5758.01
D.5	Outfalls		m	0	0
D.6	Attenuation Ponds/Provision		Item	0	0
D.7	Service Ducts (Specify Nr. Of Ducts) - Mainline and Link Roads		m	€87.62	0
D.8	Service Ducts (Specify Nr. Of Ducts) - Junctions/Interchanges		m	€87.62	0
D.9	Service Ducts (Specify Nr. Of Ducts) - Side Roads		m		0
	Drainage and Service Ducts Total to Summary				€55,827.42
E	**Earthworks**				
	Mainline & Link Roads				
E.1	Excavation - Topsoil	1500	m3	€4.57	€6,857.40
E.2	Excavation - Acceptable	750	m3	€3.77	€2,824.78
E.3	Excavation - U1	0	m3	€3.09	€0.00
E.4	Excavation - U2	0	m3	€8.31	€0.00
E.5	Extra Over Excavation for Hard Material	0	m3	€14.00	€0.00
E.6	Processing (Specify source and end use)	0	m3	€1.53	€0.00
E.7	Disposal - U1	0	m3	€9.73	€0.00
E.8	Disposal - U2	0	m3	€272.13	€0.00
E.9	Import (Specify)	1500	m3	€19.12	€28,676.40
E.10	Compaction (Specify)	1500	m3	€0.96	€1,441.61

Level 2 Backup Sheet (Option 1D)

Kilbeggan to Mullingar Greenway Project		INSERT DATE ESTIMATE ISSUED			05/09/2024
Phase 2 Option Selection		INSERT BASE DATE FOR ESTIMATE			Feb-23
INSERT NAME OF TECHNICAL ADVISOR		INSERT NAME OF ESTIMATOR			Michael Conway
E11	Sub-formation and Formation	0	m2	€0.86	€0.00
E.12	Landscaping (Specify)	600	m3	€2.32	€1,390.18
E.13	Landscaping (Specify)	2000	m2	€0.80	€1,600.06
	Earthworks Sub-Total				€41,190.38
Junctions/Interchanges					
	Quantify works as per Mainline				0
	Earthworks Sub-Total				
Side Roads					
	Quantify works as per Mainline				0
	Earthworks Sub-Total				
	Earthworks Total to Summary				€41,190.38
F	**Pavement**				
Mainline					
F.1	Sub-Base (Specify)		m3	€17.63	€0.00
F.2	Compaction		m3	€7.21	€0.00
F.3	Roadbase (Specify)		m2	€30.77	€0.00
F.4	Base Course (Specify)		m2	€18.18	€0.00
F.5	Wearing Course (Specify)		m2	€12.87	€0.00
	Pavement Sub-Total				€0.00
Interchanges					
	Quantify works as per Mainline			N/A	
	Pavement Sub-Total				
Side Roads					
	Quantify works as per Mainline			N/A	
	Pavement Sub-Total			N/A	
	Pavement Total to Summary				€0.00
G	**Kerbs Footways and Paved Areas**				
	Allowance based on project scope and historical costs	3000	sum	17.63	€52,879.91
H	**Traffic Signs**				
	Allowance based on project scope and historical costs		sum		€3,000.00
J	**Roadmarkings**				
	Allowance based on project scope and historical costs		sum		€3,400.00
K	**Lighting and Electrical**				
	Allowance based on project scope and historical costs		sum	N/A	
L	**Landscaping and Environmental**				
	Allowance based on project scope and historical costs		sum		€25,600.00
M	**Structures** (Including Tunnels to be seperately identified)				
Section 1 A Structures					
M.1	Structure Type A (Standard Concrete)	180	per m²	3930.1	€707,419.44

Level 2 Backup Sheet (Option 1D)					
Kilbeggan to Mullingar Greenway Project		INSERT DATE ESTIMATE ISSUED			05/09/2024
Phase 2 Option Selection		INSERT BASE DATE FOR ESTIMATE			Feb-23
INSERT NAME OF TECHNICAL ADVISOR		INSERT NAME OF ESTIMATOR			Michael Conway
M.2	Structure Type A (Standard Steel)	0	per m²	4936.6	€0.00
	Structures Total to Summary				€707,419.44
INSERT FURTHER STRUCTURES AS NECESSARY - CLEARLY IDENTIFY SIGNATURE STRUCTURES					
N	**Accommodation Works**				
	Allowance based on project scope and historical costs		sum		€10,798.60
P	**Statutory Authorities & Utilities**				
	Allowance based on project scope and historical costs		%	10%	€96,602.39
Q	**Any Other Obligations and Liabilities of the Contractor**				
	Allowance based on project scope and historical costs		%	10%	€96,602.39
R	**Preliminaries**				
R.1	Temporary Works including Traffic Management (Specify)		sum		
R.2	All other Preliminary Items		sum		
	Preliminaries Total to Summary				€0.00
N.B.	Figures are exclusive of VAT except where expressly stated above.				
	Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.				
	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 format of back-up.				
	See attached Estimate Assumptions Sheet for Further Project Information.				
	Land and Property				
	Greenway Sustainability Payments	1000	per m	€40.91	€40,910.00
	Land Acquisition Payments	8000	per m²	€2.62	€20,998.42
	General Disturbance	1	per km	€10,390.00	€10,390.00
	Injurious Affection	8000	per m²	€1.97	€15,748.81
	Total Land and Property				€88,047.23

Level 2 Estimate Summary Sheet Option 2A

Kilbeggan to Mullingar Greenway Project				**INSERT DATE OF ESTIMATE** 05/09/2024		
Phase 2 Option Selection				**INSERT BASE DATE FOR RATES** Feb-23		
INSERT NAME OF TECHNICAL ADVISOR			INSERT NAME OF ESTIMATOR			
	Mainline Section Type :		Greenway	Mainline Length :		4.00
	Link Roads Section Type :		n/a	Link Roads Length :		n/a
1	**Main Construction Contract (See attached for breakdown presented to Level 2 detail)**		Quantity	Unit	Rate €	Total €
	a	Site Clearance	4	Per km	€1,777.96	€ 7,112
	b	Fencing	4	Per km	€44,155.40	€ 176,622
	c	Safety Barriers and Pedestrian Guardrails	4	Per km	€0.00	€ -
	d	Drainage and Service Ducts	4	Per km	€55,827.42	€ 223,310
	e	Earthworks	4	Per km	€41,190.38	€ 164,762
	f	Pavement	4	Per km	€0.00	€ -
	g	Kerbs, Footways and Paved Areas	4	Per km	€52,879.91	€ 211,520
	h	Traffic Signs	4	Per km	€3,000.00	€ 12,000
	j	Roadmarking	4	Per km	€3,400.00	€ 13,600
	k	Lighting and Electrical	4	Per km	€0.00	€ -
	l	Landscaping and Environmental	4	Per km	€25,600.00	€ 102,400
	m	Structures (Including Tunnels - to be seperately identified)	1	Unit	€393,010.80	€ 393,011
	n	Accommodation Works	4	Per km	€10,798.60	€ 43,194
	p	Statutory Authorities & Utilities	4	Per km	€63,164.05	€ 252,656
	q	Other Costs	4	Per km	€63,164.05	€ 252,656
	r	Preliminaries	4	Per km	€151,593.71	€ 606,375
	s	Active Travel Costs	4	Per km	€0.00	€ -
	Total Base Cost for Main Construction Contract (Excluding VAT)					€ 2,459,217
	Add Project Specific Risk Contingency			15.0%		€ 368,883
	Sub-Total exclusive of VAT					€ 2,828,099
	Add VAT at			13.5%		€ 381,793
	Total MCC Base Cost plus Project Specific Risk Contingency and VAT					€ 3,209,893
2	**Land and Property - All-In Costs**		Quantity	Unit	Rate €	
	a	Mainline and Link Roads - Agricultural	4	Ha.	88047.23	€ 352,189
	b	Mainline and Link Roads - Zoned/Other		Ha.		€ -
	c	Junction/Interchanges - Agricultural		Ha.		€ -
	d	Junction/Interchanges - Zoned		Ha.		€ -
	e	Properties (See attached breakdown)		Item		€ -
	Total Base Cost for Land and Property					€ 352,189
	Add Project Specific Risk Contingency			15.0%		€ 52,828
	Total L&P Base Cost plus Project Specific Risk Contingency					€ 405,017
3	**Planning and Design**					
	Provision to take account of Actual Costs and Contract Amounts where known			8.0%		€ 196,737
	Add Project Specific Risk Contingency			15.0%		€ 29,511
	Total P&D Base Cost plus Project Specific Risk Contingency					€ 226,248
4	**Archaeology**					
	Provision to take account of Actual Costs and Contract Amounts where known			7.5%		€ 184,441
	Add Project Specific Risk Contingency			15.0%		€ 27,666
	Total Archaeology Base Cost plus Project Specific Risk Contingency and VAT					€ 212,107
5	**Advance Works and Other Contracts**					
	Provision to take account of Actual Costs and Contract Amounts where known			5.0%		€ 122,961
	Add Project Specific Risk Contingency			15.0%		€ 18,444
	Total Enabling Works and Other Contracts Base Cost plus Project Specific Risk Contingency					€ 141,405
6	**Main Contract Supervision (Employer's Costs)**					

Level 2 Estimate Summary Sheet Option 2A

Kilbeggan to Mullingar Greenway Project		**INSERT DATE OF ESTIMATE** 05/09/2024		
Phase 2 Option Selection		**INSERT BASE DATE FOR RATES** Feb-23		
	Provision to take account of Actual Costs and Contract Amounts where known	8.0%		€ 196,737
	Add Project Specific Risk Contingency	15.0%		€ 29,511
	Total MC Supervision (Employer's Costs) Base Cost plus Project Specific Risk Contingency			€ 226,248
7	**Public Transport Connectivity/Asset Renewal**			
	Provision based on percentage of Main Construction Contract Base Cost	0.0%		€ -
	Add Project Specific Risk Contingency	15.0%		€ -
	Total Walking / Cycling / PT Connectivity / Asset Renewal Base Cost plus Project Specific Risk Contingency			€ -
TOTAL LEVEL 2 ESTIMATE INCLUSIVE OF VAT				€ 4,420,918
	Mainline Length	4.00 km	Rate per km	€ 1,105,230
	Active Travel Costs (includes 10% L&P costs) Risk Incl	n/a	% of Total Cost	n/a

N.B. Figures above are INCLUSIVE of VAT - VAT rates utilised are : { PLEASE INSERT RATES HERE FOR EACH COST HEADING }

Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.

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 format of back-up.

See attached Estimate Assumptions Sheet for Further Project Information.

Level 2 Backup Sheet (Option 2A)

Kilbeggan to Mullingar Greenway Project		INSERT DATE ESTIMATE ISSUED	05/09/2024
Phase 2 Option Selection		INSERT BASE DATE FOR ESTIMATE	Feb-23
INSERT NAME OF TECHNICAL ADVISOR		INSERT NAME OF ESTIMATOR	Michael Conway

Main Construction Cost - Base Cost Estimate

Summary

A	Site Clearance			€1,777.96
B	Fencing			€44,155.40
C	Safety Barriers and Pedestrian Guardrails			€0.00
D	Drainage and Service Ducts			€55,827.42
E	Earthworks			€41,190.38
F	Pavement			€0.00
G	Kerbs, Footways and Paved Areas			€52,879.91
H	Traffic Signs			€3,000.00
J	Roadmarking			€3,400.00
K	Lighting and Electrical			€0.00
L	Landscaping and Environmental			€25,600.00
M	Structures (Including Tunnels to be seperately identified)			€393,010.80
N	Accommodation Works			€10,798.60
P	Statutory Authorities & Utilities			€63,164.05
Q	Any Other Obligations and Liabilities of the Contractor			€63,164.05
S	Active Travel			incl above
	Sub-Total			€757,968.56
R	Preliminaries		20%	€151,593.71
	MCC Base Cost Total excluding Project Specific Risk Contingency			€909,562.27
	Add Project Specific Risk Contingency	25	%	€227,391.00
	MCC Base Cost Total including Project Specific Risk Contingency			€1,136,953.27
	Add VAT at	13.5	%	€153,489.00
	MCC Base Cost Total including Project Specific Risk Contingency and VAT			€1,290,442.27

Level 2 Backup Sheet (Option 2A)

Kilbeggan to Mullingar Greenway Project	INSERT DATE ESTIMATE ISSUED	05/09/2024
Phase 2 Option Selection	INSERT BASE DATE FOR ESTIMATE	Feb-23
INSERT NAME OF TECHNICAL ADVISOR	INSERT NAME OF ESTIMATOR	Michael Conway

Mainline Length	4
MCC Cost per km based on Mainline Length Only	€284,238.32
Mainline plus Link Road Length	n/a
MCC Cost per km based on Mainline plus Link Road Length	n/a

Schedule of Works		Quantity	Unit	Rate/Prices	
A	**Site Clearance**				
A.1	General Site Clearance	0.8	Ha	€2,222.45	€1,777.96
A.2	Demolition of Buildings	0	Nr.	€3,605.02	€0.00
	Site Clearance Total to Summary				€1,777.96
B	**Fencing**				
B.1	Permanent Boundary Fencing	1000	m	€39.95	€39,949.55
B.2	Temporary Fencing		m	€11.52	€0.00
B.3	Mammal Fencing		m	€46.83	€0.00
B.4	Other Fencing (e.g. Palisade Security Fencing)		m	€70.10	€0.00
B.5	Other Fencing (e.g. Gates)	5	m	€841.17	€4,205.85
	Fencing Total to Summary				€44,155.40
C	**Safety Barrier and Pedestrian Guardrails**				
C.1	Safety Barrier (Specify Type)	0	m		0
C.2	Median Barrier (Specify Type e.g. Concrete or Wire)	0	m		0
C.3	Pedestrian Guardrail	0	m		0
	Safety Barrier and Pedestrian Guardrails Total to Summary				0
D	**Drainage and Service Ducts**				
D.1	Drainage - Sealed - Mainline and Link Roads		m	€54.03	0
D.2	Drainage - Open - Mainline and Link Roads		m	€45.07	0
D.3	Drainage and Service Ducts - Side Roads	1000	m	€50.07	50069.41
D.4	Drainage to Junctions/Interchanges (Chambers)	5	m	€1,151.60	5758.01
D.5	Outfalls		m	0	0
D.6	Attenuation Ponds/Provision		Item	0	0
D.7	Service Ducts (Specify Nr. Of Ducts) - Mainline and Link Roads		m	€87.62	0
D.8	Service Ducts (Specify Nr. Of Ducts) - Junctions/Interchanges		m	€87.62	0
D.9	Service Ducts (Specify Nr. Of Ducts) - Side Roads		m		0
	Drainage and Service Ducts Total to Summary				€55,827.42
E	**Earthworks**				
	Mainline & Link Roads				
E.1	Excavation - Topsoil	1500	m3	€4.57	€6,857.40
E.2	Excavation - Acceptable	750	m3	€3.77	€2,824.78
E.3	Excavation - U1	0	m3	€3.09	€0.00
E.4	Excavation - U2	0	m3	€8.31	€0.00
E.5	Extra Over Excavation for Hard Material	0	m3	€14.00	€0.00
E.6	Processing (Specify source and end use)	0	m3	€1.53	€0.00
E.7	Disposal - U1	0	m3	€9.73	€0.00
E.8	Disposal - U2	0	m3	€272.13	€0.00
E.9	Import (Specify)	1500	m3	€19.12	€28,676.40
E.10	Compaction (Specify)	1500	m3	€0.96	€1,441.61

Level 2 Backup Sheet (Option 2A)

Kilbeggan to Mullingar Greenway Project		INSERT DATE ESTIMATE ISSUED			05/09/2024
Phase 2 Option Selection		INSERT BASE DATE FOR ESTIMATE			Feb-23
INSERT NAME OF TECHNICAL ADVISOR		INSERT NAME OF ESTIMATOR			Michael Conway

E11	Sub-formation and Formation	0	m2	€0.86	€0.00
E.12	Landscaping (Specify)	600	m3	€2.32	€1,390.18
E.13	Landscaping (Specify)	2000	m2	€0.80	€1,600.06
	Earthworks Sub-Total				€41,190.38
Junctions/Interchanges					
	Quantify works as per Mainline				0
	Earthworks Sub-Total				
Side Roads					
	Quantify works as per Mainline				0
	Earthworks Sub-Total				
	Earthworks Total to Summary				€41,190.38
F	**Pavement**				
Mainline					
F.1	Sub-Base (Specify)		m3	€17.63	€0.00
F.2	Compaction		m3	€7.21	€0.00
F.3	Roadbase (Specify)		m2	€30.77	€0.00
F.4	Base Course (Specify)		m2	€18.18	€0.00
F.5	Wearing Course (Specify)		m2	€12.87	€0.00
	Pavement Sub-Total				€0.00
Interchanges					
	Quantify works as per Mainline			N/A	
	Pavement Sub-Total				
Side Roads					
	Quantify works as per Mainline			N/A	
	Pavement Sub-Total			N/A	
	Pavement Total to Summary				€0.00
G	**Kerbs Footways and Paved Areas**				
	Allowance based on project scope and historical costs	3000	sum	17.63	€52,879.91
H	**Traffic Signs**				
	Allowance based on project scope and historical costs		sum		€3,000.00
J	**Roadmarkings**				
	Allowance based on project scope and historical costs		sum		€3,400.00
K	**Lighting and Electrical**				
	Allowance based on project scope and historical costs		sum	N/A	
L	**Landscaping and Environmental**				
	Allowance based on project scope and historical costs		sum		€25,600.00
M	**Structures** **(Including Tunnels to be seperately identified)**				
Section 1 A Structures					
M.1	Structure Type A (Standard Concrete)	100	per m²	3930.1	€393,010.80

Level 2 Backup Sheet (Option 2A)					
Kilbeggan to Mullingar Greenway Project		INSERT DATE ESTIMATE ISSUED			05/09/2024
Phase 2 Option Selection		INSERT BASE DATE FOR ESTIMATE			Feb-23
INSERT NAME OF TECHNICAL ADVISOR		INSERT NAME OF ESTIMATOR			Michael Conway
M.2	Structure Type A (Standard Steel)	0	per m²	4936.6	€0.00
	Structures Total to Summary				€393,010.80
INSERT FURTHER STRUCTURES AS NECESSARY - CLEARLY IDENTIFY SIGNATURE STRUCTURES					
N	**Accommodation Works**				
	Allowance based on project scope and historical costs		sum		€10,798.60
P	**Statutory Authorities & Utilities**				
	Allowance based on project scope and historical costs		%	10%	€63,164.05
Q	**Any Other Obligations and Liabilities of the Contractor**				
	Allowance based on project scope and historical costs		%	10%	€63,164.05
R	**Preliminaries**				
R.1	Temporary Works including Traffic Management (Specify)		sum		
R.2	All other Preliminary Items		sum		
	Preliminaries Total to Summary				€0.00

N.B. Figures are exclusive of VAT except where expressly stated above.
Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.
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 format of back-up.
See attached Estimate Assumptions Sheet for Further Project Information.

Land and Property				
Greenway Sustainability Payments	1000	per m	€40.91	€40,910.00
Land Acquisition Payments	8000	per m²	€2.62	€20,998.42
General Disturbance	1	per km	€10,390.00	€10,390.00
Injurious Affection	8000	per m²	€1.97	€15,748.81
Total Land and Property				€88,047.23

Level 2 Estimate Summary Sheet Option 2B						
Kilbeggan to Mullingar Greenway Project			INSERT DATE OF ESTIMATE 05/09/2024			
Phase 2 Option Selection			INSERT BASE DATE FOR RATES Feb-23			
INSERT NAME OF TECHNICAL ADVISOR		INSERT NAME OF ESTIMATOR				
	Mainline Section Type :	Greenway	Mainline Length :		2.60	
	Link Roads Section Type :	n/a	Link Roads Length :		n/a	
1	**Main Construction Contract (See attached for breakdown presented to Level 2 detail)**	Quantity	Unit	Rate €	Total €	
a	Site Clearance	2.6	Per km	€1,777.96	€	4,623
b	Fencing	2.6	Per km	€44,155.40	€	114,804
c	Safety Barriers and Pedestrian Guardrails	2.6	Per km	€0.00	€	-
d	Drainage and Service Ducts	2.6	Per km	€55,827.42	€	145,151
e	Earthworks	2.6	Per km	€41,190.38	€	107,095
f	Pavement	2.6	Per km	€0.00	€	-
g	Kerbs, Footways and Paved Areas	2.6	Per km	€52,879.91	€	137,488
h	Traffic Signs	2.6	Per km	€3,000.00	€	7,800
j	Roadmarking	2.6	Per km	€3,400.00	€	8,840
k	Lighting and Electrical	2.6	Per km	€0.00	€	-
l	Landscaping and Environmental	2.6	Per km	€25,600.00	€	66,560
m	Structures (Including Tunnels - to be seperately identified)	1	Unit	€282,967.78	€	282,968
n	Accommodation Works	2.6	Per km	€10,798.60	€	28,076
p	Statutory Authorities & Utilities	2.6	Per km	€52,159.74	€	135,615
q	Other Costs	2.6	Per km	€52,159.74	€	135,615
r	Preliminaries	2.6	Per km	€125,183.39	€	325,477
s	Active Travel Costs	2.6	Per km	€0.00	€	-
	Total Base Cost for Main Construction Contract (Excluding VAT)				€	1,500,112
	Add Project Specific Risk Contingency		15.0%		€	225,017
	Sub-Total exclusive of VAT				€	1,725,129
	Add VAT at		13.5%		€	232,892
	Total MCC Base Cost plus Project Specific Risk Contingency and VAT				€	1,958,022
2	**Land and Property - All-In Costs**	Quantity	Unit	Rate €		
a	Mainline and Link Roads - Agricultural	2.6	Ha.	88047.23	€	228,923
b	Mainline and Link Roads - Zoned/Other		Ha.		€	-
c	Junction/Interchanges - Agricultural		Ha.		€	-
d	Junction/Interchanges - Zoned		Ha.		€	-
e	Properties (See attached breakdown)		Item		€	-
	Total Base Cost for Land and Property				€	228,923
	Add Project Specific Risk Contingency		15.0%		€	34,338
	Total L&P Base Cost plus Project Specific Risk Contingency				€	263,261
3	**Planning and Design**					
	Provision to take account of Actual Costs and Contract Amounts where known		8.0%		€	120,009
	Add Project Specific Risk Contingency		15.0%		€	18,001
	Total P&D Base Cost plus Project Specific Risk Contingency				€	138,010
4	**Archaeology**					
	Provision to take account of Actual Costs and Contract Amounts where known		7.5%		€	112,508
	Add Project Specific Risk Contingency		15.0%		€	16,876
	Total Archaeology Base Cost plus Project Specific Risk Contingency and VAT				€	129,385
5	**Advance Works and Other Contracts**					
	Provision to take account of Actual Costs and Contract Amounts where known		5.0%		€	75,006
	Add Project Specific Risk Contingency		15.0%		€	11,251
	Total Enabling Works and Other Contracts Base Cost plus Project Specific Risk Contingency				€	86,256
6	**Main Contract Supervision (Employer's Costs)**					

Level 2 Estimate Summary Sheet Option 2B

Kilbeggan to Mullingar Greenway Project		**INSERT DATE OF ESTIMATE** 05/09/2024		
Phase 2 Option Selection		**INSERT BASE DATE FOR RATES** Feb-23		
	Provision to take account of Actual Costs and Contract Amounts where known	8.0%		€ 120,009
	Add Project Specific Risk Contingency	15.0%		€ 18,001
	Total MC Supervision (Employer's Costs) Base Cost plus Project Specific Risk Contingency			€ 138,010
7	**Public Transport Connectivity/Asset Renewal**			
	Provision based on percentage of Main Construction Contract Base Cost	0.0%		€ -
	Add Project Specific Risk Contingency	15.0%		€ -
	Total Walking / Cycling / PT Connectivity / Asset Renewal Base Cost plus Project Specific Risk Contingency			€ -
TOTAL LEVEL 2 ESTIMATE INCLUSIVE OF VAT				€ 2,712,945
	Mainline Length	2.60 km	Rate per km	€ 1,043,440
	Active Travel Costs (includes 10% L&P costs) Risk Incl	n/a	% of Total Cost	n/a

N.B. Figures above are INCLUSIVE of VAT - VAT rates utilised are : { PLEASE INSERT RATES HERE FOR EACH COST HEADING }

Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.

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 format of back-up.

See attached Estimate Assumptions Sheet for Further Project Information.

Level 2 Backup Sheet (Option 2B)

Kilbeggan to Mullingar Greenway Project	INSERT DATE ESTIMATE ISSUED	05/09/2024
Phase 2 Option Selection	INSERT BASE DATE FOR ESTIMATE	Feb-23
INSERT NAME OF TECHNICAL ADVISOR	INSERT NAME OF ESTIMATOR	Michael Conway

Main Construction Cost - Base Cost Estimate

Summary

A	Site Clearance			€1,777.96
B	Fencing			€44,155.40
C	Safety Barriers and Pedestrian Guardrails			€0.00
D	Drainage and Service Ducts			€55,827.42
E	Earthworks			€41,190.38
F	Pavement			€0.00
G	Kerbs, Footways and Paved Areas			€52,879.91
H	Traffic Signs			€3,000.00
J	Roadmarking			€3,400.00
K	Lighting and Electrical			€0.00
L	Landscaping and Environmental			€25,600.00
M	Structures (Including Tunnels to be seperately identified)			€282,967.78
N	Accommodation Works			€10,798.60
P	Statutory Authorities & Utilities			€52,159.74
Q	Any Other Obligations and Liabilities of the Contractor			€52,159.74
S	Active Travel			incl above
	Sub-Total			€625,916.93
R	Preliminaries		20%	€125,183.39
	MCC Base Cost Total excluding Project Specific Risk Contingency			€751,100.32
	Add Project Specific Risk Contingency	25	%	€187,775.00
	MCC Base Cost Total including Project Specific Risk Contingency			€938,875.32
	Add VAT at	13.5	%	€126,748.00
	MCC Base Cost Total including Project Specific Risk Contingency and VAT			€1,065,623.32

Level 2 Backup Sheet (Option 2B)

Kilbeggan to Mullingar Greenway Project	INSERT DATE ESTIMATE ISSUED	05/09/2024
Phase 2 Option Selection	INSERT BASE DATE FOR ESTIMATE	Feb-23
INSERT NAME OF TECHNICAL ADVISOR	INSERT NAME OF ESTIMATOR	Michael Conway

Mainline Length	2.6
MCC Cost per km based on Mainline Length Only	€361,105.89
Mainline plus Link Road Length	n/a
MCC Cost per km based on Mainline plus Link Road Length	n/a

	Schedule of Works	Quantity	Unit	Rate/Prices	
A	**Site Clearance**				
A.1	General Site Clearance	0.8	Ha	€2,222.45	€1,777.96
A.2	Demolition of Buildings		Nr.	€3,605.02	€0.00
	Site Clearance Total to Summary				€1,777.96
B	**Fencing**				
B.1	Permanent Boundary Fencing	1000	m	€39.95	€39,949.55
B.2	Temporary Fencing		m	€11.52	€0.00
B.3	Mammal Fencing		m	€46.83	€0.00
B.4	Other Fencing (e.g. Palisade Security Fencing)		m	€70.10	€0.00
B.5	Other Fencing (e.g. Gates)	5	m	€841.17	€4,205.85
	Fencing Total to Summary				€44,155.40
C	**Safety Barrier and Pedestrian Guardrails**				
C.1	Safety Barrier (Specify Type)	0	m		0
C.2	Median Barrier (Specify Type e.g. Concrete or Wire)	0	m		0
C.3	Pedestrian Guardrail	0	m		0
	Safety Barrier and Pedestrian Guardrails Total to Summary				0
D	**Drainage and Service Ducts**				
D.1	Drainage - Sealed - Mainline and Link Roads		m	€54.03	0
D.2	Drainage - Open - Mainline and Link Roads		m	€45.07	0
D.3	Drainage and Service Ducts - Side Roads	1000	m	€50.07	50069.41
D.4	Drainage to Junctions/Interchanges (Chambers)	5	m	€1,151.60	5758.01
D.5	Outfalls		m	0	0
D.6	Attenuation Ponds/Provision		Item	0	0
D.7	Service Ducts (Specify Nr. Of Ducts) - Mainline and Link Roads		m	€87.62	0
D.8	Service Ducts (Specify Nr. Of Ducts) - Junctions/Interchanges		m	€87.62	0
D.9	Service Ducts (Specify Nr. Of Ducts) - Side Roads		m		0
	Drainage and Service Ducts Total to Summary				€55,827.42
E	**Earthworks**				
	Mainline & Link Roads				
E.1	Excavation - Topsoil	1500	m3	€4.57	€6,857.40
E.2	Excavation - Acceptable	750	m3	€3.77	€2,824.78
E.3	Excavation - U1	0	m3	€3.09	€0.00
E.4	Excavation - U2	0	m3	€8.31	€0.00
E.5	Extra Over Excavation for Hard Material	0	m3	€14.00	€0.00
E.6	Processing (Specify source and end use)	0	m3	€1.53	€0.00
E.7	Disposal - U1	0	m3	€9.73	€0.00
E.8	Disposal - U2	0	m3	€272.13	€0.00
E.9	Import (Specify)	1500	m3	€19.12	€28,676.40
E.10	Compaction (Specify)	1500	m3	€0.96	€1,441.61

Level 2 Backup Sheet (Option 2B)

Kilbeggan to Mullingar Greenway Project		INSERT DATE ESTIMATE ISSUED			05/09/2024
Phase 2 Option Selection		INSERT BASE DATE FOR ESTIMATE			Feb-23
INSERT NAME OF TECHNICAL ADVISOR		INSERT NAME OF ESTIMATOR			Michael Conway
E11	Sub-formation and Formation	0	m2	€0.86	€0.00
E.12	Landscaping (Specify)	600	m3	€2.32	€1,390.18
E.13	Landscaping (Specify)	2000	m2	€0.80	€1,600.06
	Earthworks Sub-Total				€41,190.38
Junctions/Interchanges					
	Quantify works as per Mainline				0
	Earthworks Sub-Total				
Side Roads					
	Quantify works as per Mainline				0
	Earthworks Sub-Total				
	Earthworks Total to Summary				€41,190.38
F	**Pavement**				
Mainline					
F.1	Sub-Base (Specify)		m3	€17.63	€0.00
F.2	Compaction		m3	€7.21	€0.00
F.3	Roadbase (Specify)		m2	€30.77	€0.00
F.4	Base Course (Specify)		m2	€18.18	€0.00
F.5	Wearing Course (Specify)		m2	€12.87	€0.00
	Pavement Sub-Total				€0.00
Interchanges					
	Quantify works as per Mainline			N/A	
	Pavement Sub-Total				
Side Roads					
	Quantify works as per Mainline			N/A	
	Pavement Sub-Total			N/A	
	Pavement Total to Summary				€0.00
G	**Kerbs Footways and Paved Areas**				
	Allowance based on project scope and historical costs	3000	sum	17.63	€52,879.91
H	**Traffic Signs**				
	Allowance based on project scope and historical costs		sum		€3,000.00
J	**Roadmarkings**				
	Allowance based on project scope and historical costs		sum		€3,400.00
K	**Lighting and Electrical**				
	Allowance based on project scope and historical costs		sum	N/A	
L	**Landscaping and Environmental**				
	Allowance based on project scope and historical costs		sum		€25,600.00
M	**Structures** (Including Tunnels to be seperately identified)				
Section 1 A Structures					
M.1	Structure Type A (Standard Concrete)	72	per m^2	3930.1	€282,967.78

Level 2 Backup Sheet (Option 2B)					
Kilbeggan to Mullingar Greenway Project		INSERT DATE ESTIMATE ISSUED			05/09/2024
Phase 2 Option Selection		INSERT BASE DATE FOR ESTIMATE			Feb-23
INSERT NAME OF TECHNICAL ADVISOR		INSERT NAME OF ESTIMATOR			Michael Conway
M.2	Structure Type A (Standard Steel)	0	per m²	4936.6	€0.00
	Structures Total to Summary				€282,967.78
INSERT FURTHER STRUCTURES AS NECESSARY - CLEARLY IDENTIFY SIGNATURE STRUCTURES					
N	**Accommodation Works**				
	Allowance based on project scope and historical costs		sum		€10,798.60
P	**Statutory Authorities & Utilities**				
	Allowance based on project scope and historical costs		%	10%	€52,159.74
Q	**Any Other Obligations and Liabilities of the Contractor**				
	Allowance based on project scope and historical costs		%	10%	€52,159.74
R	**Preliminaries**				
R.1	Temporary Works including Traffic Management (Specify)		sum		
R.2	All other Preliminary Items		sum		
	Preliminaries Total to Summary				€0.00
N.B.	Figures are exclusive of VAT except where expressly stated above.				
	Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.				
	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 format of back-up.				
	See attached Estimate Assumptions Sheet for Further Project Information.				
	Land and Property				
	Greenway Sustainability Payments	1000	per m	€40.91	€40,910.00
	Land Acquisition Payments	8000	per m²	€2.62	€20,998.42
	General Disturbance	1	per km	€10,390.00	€10,390.00
	Injurious Affection	8000	per m²	€1.97	€15,748.81
	Total Land and Property				€88,047.23

Level 2 Estimate Summary Sheet Option 2C

Kilbeggan to Mullingar Greenway Project

Phase 2 Option Selection

INSERT DATE OF ESTIMATE 05/09/2024

INSERT BASE DATE FOR RATES Feb-23

INSERT NAME OF TECHNICAL ADVISOR | INSERT NAME OF ESTIMATOR

Mainline Section Type :	Greenway	Mainline Length :	5.10		
Link Roads Section Type :	n/a	Link Roads Length :	n/a		

			Quantity	Unit	Rate €	Total €
1		**Main Construction Contract (See attached for breakdown presented to Level 2 detail)**	Quantity	Unit	Rate €	Total €
	a	Site Clearance	5.1	Per km	€1,777.96	€ 9,068
	b	Fencing	5.1	Per km	€44,155.40	€ 225,193
	c	Safety Barriers and Pedestrian Guardrails	5.1	Per km	€0.00	€ -
	d	Drainage and Service Ducts	5.1	Per km	€55,827.42	€ 284,720
	e	Earthworks	5.1	Per km	€41,190.38	€ 210,071
	f	Pavement	5.1	Per km	€0.00	€ -
	g	Kerbs, Footways and Paved Areas	5.1	Per km	€52,879.91	€ 269,688
	h	Traffic Signs	5.1	Per km	€3,000.00	€ 15,300
	j	Roadmarking	5.1	Per km	€3,400.00	€ 17,340
	k	Lighting and Electrical	5.1	Per km	€0.00	€ -
	l	Landscaping and Environmental	5.1	Per km	€25,600.00	€ 130,560
	m	Structures (Including Tunnels - to be seperately identified)	1	Unit	€172,924.75	€ 172,925
	n	Accommodation Works	5.1	Per km	€10,798.60	€ 55,073
	p	Statutory Authorities & Utilities	5.1	Per km	€41,155.44	€ 209,893
	q	Other Costs	5.1	Per km	€41,155.44	€ 209,893
	r	Preliminaries	5.1	Per km	€98,773.06	€ 503,743
	s	Active Travel Costs	5.1	Per km	€0.00	€ -
		Total Base Cost for Main Construction Contract (Excluding VAT)				€ 2,313,464
		Add Project Specific Risk Contingency		15.0%		€ 347,020
		Sub-Total exclusive of VAT				€ 2,660,484
		Add VAT at		13.5%		€ 359,165
		Total MCC Base Cost plus Project Specific Risk Contingency and VAT				€ 3,019,649
2		**Land and Property - All-In Costs**	Quantity	Unit	Rate €	
	a	Mainline and Link Roads - Agricultural	4.8	Ha.	88047.23	€ 422,627
	b	Mainline and Link Roads - Zoned/Other		Ha.		€ -
	c	Junction/Interchanges - Agricultural		Ha.		€ -
	d	Junction/Interchanges - Zoned		Ha.		€ -
	e	Properties (See attached breakdown)		Item		€ -
		Total Base Cost for Land and Property				€ 422,627
		Add Project Specific Risk Contingency		15.0%		€ 63,394
		Total L&P Base Cost plus Project Specific Risk Contingency				€ 486,021
3		**Planning and Design**				
		Provision to take account of Actual Costs and Contract Amounts where known		8.0%		€ 185,077
		Add Project Specific Risk Contingency		15.0%		€ 27,762
		Total P&D Base Cost plus Project Specific Risk Contingency				€ 212,839
4		**Archaeology**				
		Provision to take account of Actual Costs and Contract Amounts where known		7.5%		€ 173,510
		Add Project Specific Risk Contingency		15.0%		€ 26,026
		Total Archaeology Base Cost plus Project Specific Risk Contingency and VAT				€ 199,536
5		**Advance Works and Other Contracts**				
		Provision to take account of Actual Costs and Contract Amounts where known		5.0%		€ 115,673
		Add Project Specific Risk Contingency		15.0%		€ 17,351
		Total Enabling Works and Other Contracts Base Cost plus Project Specific Risk Contingency				€ 133,024
6		**Main Contract Supervision (Employer's Costs)**				

Level 2 Estimate Summary Sheet Option 2C

Kilbeggan to Mullingar Greenway Project — **INSERT DATE OF ESTIMATE** 05/09/2024

Phase 2 Option Selection — **INSERT BASE DATE FOR RATES** Feb-23

	Provision to take account of Actual Costs and Contract Amounts where known	8.0%		€ 185,077
	Add Project Specific Risk Contingency	15.0%		€ 27,762
	Total MC Supervision (Employer's Costs) Base Cost plus Project Specific Risk Contingency			€ 212,839
7	**Public Transport Connectivity/Asset Renewal**			
	Provision based on percentage of Main Construction Contract Base Cost	0.0%		€ -
	Add Project Specific Risk Contingency	15.0%		€ -
	Total Walking / Cycling / PT Connectivity / Asset Renewal Base Cost plus Project Specific Risk Contingency			€ -
	TOTAL LEVEL 2 ESTIMATE INCLUSIVE OF VAT			€ 4,263,908
	Mainline Length	5.10 km	Rate per km	€ 836,060
	Active Travel Costs (includes 10% L&P costs) Risk Incl	n/a	% of Total Cost	n/a

N.B. Figures above are INCLUSIVE of VAT - VAT rates utilised are : { PLEASE INSERT RATES HERE FOR EACH COST HEADING }

Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.

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 format of back-up.

See attached Estimate Assumptions Sheet for Further Project Information.

Level 2 Backup Sheet (Option 2C)

Kilbeggan to Mullingar Greenway Project	INSERT DATE ESTIMATE ISSUED	05/09/2024
Phase 2 Option Selection	INSERT BASE DATE FOR ESTIMATE	Feb-23
INSERT NAME OF TECHNICAL ADVISOR	INSERT NAME OF ESTIMATOR	Michael Conway

Main Construction Cost - Base Cost Estimate

Summary

A	Site Clearance			€1,777.96
B	Fencing			€44,155.40
C	Safety Barriers and Pedestrian Guardrails			€0.00
D	Drainage and Service Ducts			€55,827.42
E	Earthworks			€41,190.38
F	Pavement			€0.00
G	Kerbs, Footways and Paved Areas			€52,879.91
H	Traffic Signs			€3,000.00
J	Roadmarking			€3,400.00
K	Lighting and Electrical			€0.00
L	Landscaping and Environmental			€25,600.00
M	Structures (Including Tunnels to be seperately identified)			€172,924.75
N	Accommodation Works			€10,798.60
P	Statutory Authorities & Utilities			€41,155.44
Q	Any Other Obligations and Liabilities of the Contractor			€41,155.44
S	Active Travel			incl above
	Sub-Total			€493,865.30
R	Preliminaries		20%	€98,773.06
	MCC Base Cost Total excluding Project Specific Risk Contingency			€592,638.36
	Add Project Specific Risk Contingency	25	%	€148,160.00
	MCC Base Cost Total including Project Specific Risk Contingency			€740,798.36
	Add VAT at	13.5	%	€100,008.00
	MCC Base Cost Total including Project Specific Risk Contingency and VAT			€840,806.36

Level 2 Backup Sheet (Option 2C)

Kilbeggan to Mullingar Greenway Project	INSERT DATE ESTIMATE ISSUED	05/09/2024
Phase 2 Option Selection	INSERT BASE DATE FOR ESTIMATE	Feb-23
INSERT NAME OF TECHNICAL ADVISOR	INSERT NAME OF ESTIMATOR	Michael Conway

Mainline Length	5.1
MCC Cost per km based on Mainline Length Only	€145,254.58
Mainline plus Link Road Length	n/a
MCC Cost per km based on Mainline plus Link Road Length	n/a

Schedule of Works		Quantity	Unit	Rate/Prices	
A	**Site Clearance**				
A.1	General Site Clearance	0.8	Ha	€2,222.45	€1,777.96
A.2	Demolition of Buildings	0	Nr.	€3,605.02	€0.00
	Site Clearance Total to Summary				€1,777.96
B	**Fencing**				
B.1	Permanent Boundary Fencing	1000	m	€39.95	€39,949.55
B.2	Temporary Fencing		m	€11.52	€0.00
B.3	Mammal Fencing		m	€46.83	€0.00
B.4	Other Fencing (e.g. Palisade Security Fencing)		m	€70.10	€0.00
B.5	Other Fencing (e.g. Gates)	5	m	€841.17	€4,205.85
	Fencing Total to Summary				€44,155.40
C	**Safety Barrier and Pedestrian Guardrails**				
C.1	Safety Barrier (Specify Type)	0	m		0
C.2	Median Barrier (Specify Type e.g. Concrete or Wire)	0	m		0
C.3	Pedestrian Guardrail	0	m		0
	Safety Barrier and Pedestrian Guardrails Total to Summary				0
D	**Drainage and Service Ducts**				
D.1	Drainage - Sealed - Mainline and Link Roads		m	€54.03	0
D.2	Drainage - Open - Mainline and Link Roads		m	€45.07	0
D.3	Drainage and Service Ducts - Side Roads	1000	m	€50.07	50069.41
D.4	Drainage to Junctions/Interchanges (Chambers)	5	m	€1,151.60	5758.01
D.5	Outfalls		m	0	0
D.6	Attenuation Ponds/Provision		Item	0	0
D.7	Service Ducts (Specify Nr. Of Ducts) - Mainline and Link Roads		m	€87.62	0
D.8	Service Ducts (Specify Nr. Of Ducts) - Junctions/Interchanges		m	€87.62	0
D.9	Service Ducts (Specify Nr. Of Ducts) - Side Roads		m		0
	Drainage and Service Ducts Total to Summary				€55,827.42
E	**Earthworks**				
	Mainline & Link Roads				
E.1	Excavation - Topsoil	1500	m3	€4.57	€6,857.40
E.2	Excavation - Acceptable	750	m3	€3.77	€2,824.78
E.3	Excavation - U1	0	m3	€3.09	€0.00
E.4	Excavation - U2	0	m3	€8.31	€0.00
E.5	Extra Over Excavation for Hard Material	0	m3	€14.00	€0.00
E.6	Processing (Specify source and end use)	0	m3	€1.53	€0.00
E.7	Disposal - U1	0	m3	€9.73	€0.00
E.8	Disposal - U2	0	m3	€272.13	€0.00
E.9	Import (Specify)	1500	m3	€19.12	€28,676.40
E.10	Compaction (Specify)	1500	m3	€0.96	€1,441.61

Level 2 Backup Sheet (Option 2C)

Kilbeggan to Mullingar Greenway Project		INSERT DATE ESTIMATE ISSUED			05/09/2024
Phase 2 Option Selection		INSERT BASE DATE FOR ESTIMATE			Feb-23
INSERT NAME OF TECHNICAL ADVISOR		INSERT NAME OF ESTIMATOR			Michael Conway
E11	Sub-formation and Formation	0	m2	€0.86	€0.00
E.12	Landscaping (Specify)	600	m3	€2.32	€1,390.18
E.13	Landscaping (Specify)	2000	m2	€0.80	€1,600.06
	Earthworks Sub-Total				€41,190.38
Junctions/Interchanges					
	Quantify works as per Mainline				0
	Earthworks Sub-Total				
Side Roads					
	Quantify works as per Mainline				0
	Earthworks Sub-Total				
	Earthworks Total to Summary				€41,190.38
F	**Pavement**				
Mainline					
F.1	Sub-Base (Specify)		m3	€17.63	€0.00
F.2	Compaction		m3	€7.21	€0.00
F.3	Roadbase (Specify)		m2	€30.77	€0.00
F.4	Base Course (Specify)		m2	€18.18	€0.00
F.5	Wearing Course (Specify)		m2	€12.87	€0.00
	Pavement Sub-Total				€0.00
Interchanges					
	Quantify works as per Mainline			N/A	
	Pavement Sub-Total				
Side Roads					
	Quantify works as per Mainline			N/A	
	Pavement Sub-Total			N/A	
	Pavement Total to Summary				€0.00
G	**Kerbs Footways and Paved Areas**				
	Allowance based on project scope and historical costs	3000	sum	17.63	€52,879.91
H	**Traffic Signs**				
	Allowance based on project scope and historical costs		sum		€3,000.00
J	**Roadmarkings**				
	Allowance based on project scope and historical costs		sum		€3,400.00
K	**Lighting and Electrical**				
	Allowance based on project scope and historical costs		sum	N/A	
L	**Landscaping and Environmental**				
	Allowance based on project scope and historical costs		sum		€25,600.00
M	**Structures** (Including Tunnels to be seperately identified)				
Section 1 A Structures					
M.1	Structure Type A (Standard Concrete)	44	per m²	3930.1	€172,924.75

Level 2 Backup Sheet (Option 2C)

Kilbeggan to Mullingar Greenway Project		INSERT DATE ESTIMATE ISSUED			05/09/2024
Phase 2 Option Selection		INSERT BASE DATE FOR ESTIMATE			Feb-23
INSERT NAME OF TECHNICAL ADVISOR		INSERT NAME OF ESTIMATOR			Michael Conway
M.2	Structure Type A (Standard Steel)	0	per m²	4936.6	€0.00
	Structures Total to Summary				€172,924.75
INSERT FURTHER STRUCTURES AS NECESSARY - CLEARLY IDENTIFY SIGNATURE STRUCTURES					
N	**Accommodation Works**				
	Allowance based on project scope and historical costs		sum		€10,798.60
P	**Statutory Authorities & Utilities**				
	Allowance based on project scope and historical costs		%	10%	€41,155.44
Q	**Any Other Obligations and Liabilities of the Contractor**				
	Allowance based on project scope and historical costs		%	10%	€41,155.44
R	**Preliminaries**				
R.1	Temporary Works including Traffic Management (Specify)		sum		
R.2	All other Preliminary Items		sum		
	Preliminaries Total to Summary				€0.00

N.B. Figures are exclusive of VAT except where expressly stated above.
Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.
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 format of back-up.
See attached Estimate Assumptions Sheet for Further Project Information.

Land and Property				
Greenway Sustainability Payments	1000	per m	€40.91	€40,910.00
Land Acquisition Payments	8000	per m²	€2.62	€20,998.42
General Disturbance	1	per km	€10,390.00	€10,390.00
Injurious Affection	8000	per m²	€1.97	€15,748.81
Total Land and Property				€88,047.23

Level 2 Estimate Summary Sheet Option 2D

Kilbeggan to Mullingar Greenway Project			**INSERT DATE OF ESTIMATE** 05/09/2024			
Phase 2 Option Selection			**INSERT BASE DATE FOR RATES** Feb-23			
INSERT NAME OF TECHNICAL ADVISOR			INSERT NAME OF ESTIMATOR			
	Mainline Section Type :		Greenway	Mainline Length :		16.10
	Link Roads Section Type :		n/a	Link Roads Length :		n/a
1	**Main Construction Contract (See attached for breakdown presented to Level 2 detail)**		Quantity	Unit	Rate €	Total €
	a	Site Clearance	16.1	Per km	€1,777.96	€ 28,625
	b	Fencing	16.1	Per km	€64,130.17	€ 1,032,496
	c	Safety Barriers and Pedestrian Guardrails	16.1	Per km	€0.00	€ -
	d	Drainage and Service Ducts	16.1	Per km	€55,827.42	€ 898,821
	e	Earthworks	16.1	Per km	€41,190.38	€ 663,165
	f	Pavement	16.1	Per km	€0.00	€ -
	g	Kerbs, Footways and Paved Areas	16.1	Per km	€52,879.91	€ 851,366
	h	Traffic Signs	16.1	Per km	€3,000.00	€ 48,300
	j	Roadmarking	16.1	Per km	€3,400.00	€ 54,740
	k	Lighting and Electrical	16.1	Per km	€0.00	€ -
	l	Landscaping and Environmental	16.1	Per km	€25,600.00	€ 412,160
	m	Structures (Including Tunnels - to be seperately identified)	1	Unit	€597,376.42	€ 597,376
	n	Accommodation Works	16.1	Per km	€10,798.60	€ 173,857
	p	Statutory Authorities & Utilities	16.1	Per km	€85,598.09	€ 1,378,129
	q	Other Costs	16.1	Per km	€85,598.09	€ 1,378,129
	r	Preliminaries	16.1	Per km	€205,435.41	€ 3,307,510
	s	Active Travel Costs	16.1	Per km	€0.00	€ -
	Total Base Cost for Main Construction Contract (Excluding VAT)					€ 10,824,676
	Add Project Specific Risk Contingency			15.0%		€ 1,623,701
	Sub-Total exclusive of VAT					€ 12,448,378
	Add VAT at			13.5%		€ 1,680,531
	Total MCC Base Cost plus Project Specific Risk Contingency and VAT					€ 14,128,909
2	**Land and Property - All-In Costs**		Quantity	Unit	Rate €	
	a	Mainline and Link Roads - Agricultural	9.6	Ha.	88047.23	€ 845,253
	b	Mainline and Link Roads - Zoned/Other		Ha.		€ -
	c	Junction/Interchanges - Agricultural		Ha.		€ -
	d	Junction/Interchanges - Zoned		Ha.		€ -
	e	Properties (See attached breakdown)		Item		€ -
	Total Base Cost for Land and Property					€ 845,253
	Add Project Specific Risk Contingency			15.0%		€ 126,788
	Total L&P Base Cost plus Project Specific Risk Contingency					€ 972,041
3	**Planning and Design**					
	Provision to take account of Actual Costs and Contract Amounts where known			8.0%		€ 865,974
	Add Project Specific Risk Contingency			15.0%		€ 129,896
	Total P&D Base Cost plus Project Specific Risk Contingency					€ 995,870
4	**Archaeology**					
	Provision to take account of Actual Costs and Contract Amounts where known			7.5%		€ 811,851
	Add Project Specific Risk Contingency			15.0%		€ 121,778
	Total Archaeology Base Cost plus Project Specific Risk Contingency and VAT					€ 933,628
5	**Advance Works and Other Contracts**					
	Provision to take account of Actual Costs and Contract Amounts where known			5.0%		€ 541,234
	Add Project Specific Risk Contingency			15.0%		€ 81,185
	Total Enabling Works and Other Contracts Base Cost plus Project Specific Risk Contingency					€ 622,419
6	**Main Contract Supervision (Employer's Costs)**					

Level 2 Estimate Summary Sheet Option 2D

Kilbeggan to Mullingar Greenway Project		**INSERT DATE OF ESTIMATE** 05/09/2024		
Phase 2 Option Selection		**INSERT BASE DATE FOR RATES** Feb-23		
	Provision to take account of Actual Costs and Contract Amounts where known	8.0%		€ 865,974
	Add Project Specific Risk Contingency	15.0%		€ 129,896
	Total MC Supervision (Employer's Costs) Base Cost plus Project Specific Risk Contingency			€ 995,870
7	**Public Transport Connectivity/Asset Renewal**			
	Provision based on percentage of Main Construction Contract Base Cost	0.0%		€ -
	Add Project Specific Risk Contingency	15.0%		€ -
	Total Walking / Cycling / PT Connectivity / Asset Renewal Base Cost plus Project Specific Risk Contingency			€ -
TOTAL LEVEL 2 ESTIMATE INCLUSIVE OF VAT				€ 18,648,738
	Mainline Length	16.10 km	Rate per km	€ 1,158,307
	Active Travel Costs (includes 10% L&P costs) Risk Incl	n/a	% of Total Cost	n/a

N.B. Figures above are INCLUSIVE of VAT - VAT rates utilised are : { PLEASE INSERT RATES HERE FOR EACH COST HEADING }

Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.

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 format of back-up.

See attached Estimate Assumptions Sheet for Further Project Information.

Level 2 Backup Sheet (Option 2D)

Kilbeggan to Mullingar Greenway Project	INSERT DATE ESTIMATE ISSUED	05/09/2024
Phase 2 Option Selection	INSERT BASE DATE FOR ESTIMATE	Feb-23
INSERT NAME OF TECHNICAL ADVISOR	INSERT NAME OF ESTIMATOR	Michael Conway

Main Construction Cost - Base Cost Estimate

Summary

A	Site Clearance			€1,777.96
B	Fencing			€64,130.17
C	Safety Barriers and Pedestrian Guardrails			€0.00
D	Drainage and Service Ducts			€55,827.42
E	Earthworks			€41,190.38
F	Pavement			€0.00
G	Kerbs, Footways and Paved Areas			€52,879.91
H	Traffic Signs			€3,000.00
J	Roadmarking			€3,400.00
K	Lighting and Electrical			€0.00
L	Landscaping and Environmental			€25,600.00
M	Structures (Including Tunnels to be seperately identified)			€597,376.42
N	Accommodation Works			€10,798.60
P	Statutory Authorities & Utilities			€85,598.09
Q	Any Other Obligations and Liabilities of the Contractor			€85,598.09
S	Active Travel			incl above
	Sub-Total			€1,027,177.03
R	Preliminaries		20%	€205,435.41
	MCC Base Cost Total excluding Project Specific Risk Contingency			€1,232,612.44
	Add Project Specific Risk Contingency	25	%	€308,153.00
	MCC Base Cost Total including Project Specific Risk Contingency			€1,540,765.44
	Add VAT at	13.5	%	€208,003.00
	MCC Base Cost Total including Project Specific Risk Contingency and VAT			€1,748,768.44

Level 2 Backup Sheet (Option 2D)

Kilbeggan to Mullingar Greenway Project	INSERT DATE ESTIMATE ISSUED	05/09/2024
Phase 2 Option Selection	INSERT BASE DATE FOR ESTIMATE	Feb-23
INSERT NAME OF TECHNICAL ADVISOR	INSERT NAME OF ESTIMATOR	Michael Conway

Mainline Length	16.1
MCC Cost per km based on Mainline Length Only	€95,699.72
Mainline plus Link Road Length	n/a
MCC Cost per km based on Mainline plus Link Road Length	n/a

Schedule of Works		Quantity	Unit	Rate/Prices	
A	**Site Clearance**				
A.1	General Site Clearance	0.8	Ha	€2,222.45	€1,777.96
A.2	Demolition of Buildings	0	Nr.	€3,605.02	€0.00
	Site Clearance Total to Summary				€1,777.96
B	**Fencing**				
B.1	Permanent Boundary Fencing	1500	m	€39.95	€59,924.33
B.2	Temporary Fencing	0	m	€11.52	€0.00
B.3	Mammal Fencing	0	m	€46.83	€0.00
B.4	Other Fencing (e.g. Palisade Security Fencing)	0	m	€70.10	€0.00
B.5	Other Fencing (e.g. Gates)	5	m	€841.17	€4,205.85
	Fencing Total to Summary				€64,130.17
C	**Safety Barrier and Pedestrian Guardrails**				
C.1	Safety Barrier (Specify Type)	0	m		0
C.2	Median Barrier (Specify Type e.g. Concrete or Wire)	0	m		0
C.3	Pedestrian Guardrail	0	m		0
	Safety Barrier and Pedestrian Guardrails Total to Summary				0
D	**Drainage and Service Ducts**				
D.1	Drainage - Sealed - Mainline and Link Roads		m	€54.03	0
D.2	Drainage - Open - Mainline and Link Roads		m	€45.07	0
D.3	Drainage and Service Ducts - Side Roads	1000	m	€50.07	50069.41
D.4	Drainage to Junctions/Interchanges (Chambers)	5	m	€1,151.60	5758.01
D.5	Outfalls		m	0	0
D.6	Attenuation Ponds/Provision		Item	0	0
D.7	Service Ducts (Specify Nr. Of Ducts) - Mainline and Link Roads		m	€87.62	0
D.8	Service Ducts (Specify Nr. Of Ducts) - Junctions/Interchanges		m	€87.62	0
D.9	Service Ducts (Specify Nr. Of Ducts) - Side Roads		m		0
	Drainage and Service Ducts Total to Summary				€55,827.42
E	**Earthworks**				
Mainline & Link Roads					
E.1	Excavation - Topsoil	1500	m3	€4.57	€6,857.40
E.2	Excavation - Acceptable	750	m3	€3.77	€2,824.78
E.3	Excavation - U1	0	m3	€3.09	€0.00
E.4	Excavation - U2	0	m3	€8.31	€0.00
E.5	Extra Over Excavation for Hard Material	0	m3	€14.00	€0.00
E.6	Processing (Specify source and end use)	0	m3	€1.53	€0.00
E.7	Disposal - U1	0	m3	€9.73	€0.00
E.8	Disposal - U2	0	m3	€272.13	€0.00
E.9	Import (Specify)	1500	m3	€19.12	€28,676.40
E.10	Compaction (Specify)	1500	m3	€0.96	€1,441.61

Level 2 Backup Sheet (Option 2D)					
Kilbeggan to Mullingar Greenway Project		INSERT DATE ESTIMATE ISSUED			05/09/2024
Phase 2 Option Selection		INSERT BASE DATE FOR ESTIMATE			Feb-23
INSERT NAME OF TECHNICAL ADVISOR		INSERT NAME OF ESTIMATOR			Michael Conway
E11	Sub-formation and Formation		m2	€0.86	€0.00
E.12	Landscaping (Specify)	600	m3	€2.32	€1,390.18
E.13	Landscaping (Specify)	2000	m2	€0.80	€1,600.06
	Earthworks Sub-Total				€41,190.38
Junctions/Interchanges					
	Quantify works as per Mainline				0
	Earthworks Sub-Total				
Side Roads					
	Quantify works as per Mainline				0
	Earthworks Sub-Total				
	Earthworks Total to Summary				€41,190.38
F	**Pavement**				
Mainline					
F.1	Sub-Base (Specify)		m3	€17.63	€0.00
F.2	Compaction		m3	€7.21	€0.00
F.3	Roadbase (Specify)		m2	€30.77	€0.00
F.4	Base Course (Specify)		m2	€18.18	€0.00
F.5	Wearing Course (Specify)		m2	€12.87	€0.00
	Pavement Sub-Total				€0.00
Interchanges					
	Quantify works as per Mainline			N/A	
	Pavement Sub-Total				
Side Roads					
	Quantify works as per Mainline			N/A	
	Pavement Sub-Total			N/A	
	Pavement Total to Summary				€0.00
G	**Kerbs Footways and Paved Areas**				
	Allowance based on project scope and historical costs	3000	sum	17.63	€52,879.91
H	**Traffic Signs**				
	Allowance based on project scope and historical costs		sum		€3,000.00
J	**Roadmarkings**				
	Allowance based on project scope and historical costs		sum		€3,400.00
K	**Lighting and Electrical**				
	Allowance based on project scope and historical costs		sum	N/A	
L	**Landscaping and Environmental**				
	Allowance based on project scope and historical costs		sum		€25,600.00
M	**Structures** **(Including Tunnels to be seperately identified)**				
Section 1 A Structures					
M.1	Structure Type A (Standard Concrete)	152	per m²	3930.1	€597,376.42

Level 2 Backup Sheet (Option 2D)					
Kilbeggan to Mullingar Greenway Project		INSERT DATE ESTIMATE ISSUED			05/09/2024
Phase 2 Option Selection		INSERT BASE DATE FOR ESTIMATE			Feb-23
INSERT NAME OF TECHNICAL ADVISOR		INSERT NAME OF ESTIMATOR			Michael Conway
M.2	Structure Type A (Standard Steel)	0	per m²	4936.6	€0.00
	Structures Total to Summary				€597,376.42
INSERT FURTHER STRUCTURES AS NECESSARY - CLEARLY IDENTIFY SIGNATURE STRUCTURES					
N	**Accommodation Works**				
	Allowance based on project scope and historical costs		sum		€10,798.60
P	**Statutory Authorities & Utilities**				
	Allowance based on project scope and historical costs		%	10%	€85,598.09
Q	**Any Other Obligations and Liabilities of the Contractor**				
	Allowance based on project scope and historical costs		%	10%	€85,598.09
R	**Preliminaries**				
R.1	Temporary Works including Traffic Management (Specify)		sum		
R.2	All other Preliminary Items		sum		
	Preliminaries Total to Summary				€0.00
N.B.	Figures are exclusive of VAT except where expressly stated above.				
	Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.				
	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 format of back-up.				
	See attached Estimate Assumptions Sheet for Further Project Information.				
	Land and Property				
	Greenway Sustainability Payments	1000	per m	€40.91	€40,910.00
	Land Acquisition Payments	8000	per m²	€2.62	€20,998.42
	General Disturbance	1	per km	€10,390.00	€10,390.00
	Injurious Affection	8000	per m²	€1.97	€15,748.81
	Total Land and Property				€88,047.23

Level 2 Estimate Summary Sheet Link CD

Kilbeggan to Mullingar Greenway Project			**INSERT DATE OF ESTIMATE** 05/09/2024		
Phase 2 Option Selection			**INSERT BASE DATE FOR RATES** Feb-23		
INSERT NAME OF TECHNICAL ADVISOR			INSERT NAME OF ESTIMATOR		
Mainline Section Type :		Greenway	Mainline Length :		1.50
Link Roads Section Type :		n/a	Link Roads Length :		n/a

		Item	Quantity	Unit	Rate €	Total €
1		**Main Construction Contract (See attached for breakdown presented to Level 2 detail)**	Quantity	Unit	Rate €	Total €
	a	Site Clearance	1.5	Per km	€1,777.96	€ 2,667
	b	Fencing	1.5	Per km	€64,130.17	€ 96,195
	c	Safety Barriers and Pedestrian Guardrails	1.5	Per km	€0.00	€ -
	d	Drainage and Service Ducts	1.5	Per km	€55,827.42	€ 83,741
	e	Earthworks	1.5	Per km	€41,190.38	€ 61,786
	f	Pavement	1.5	Per km	€0.00	€ -
	g	Kerbs, Footways and Paved Areas	1.5	Per km	€52,879.91	€ 79,320
	h	Traffic Signs	1.5	Per km	€3,000.00	€ 4,500
	j	Roadmarking	1.5	Per km	€3,400.00	€ 5,100
	k	Lighting and Electrical	1.5	Per km	€0.00	€ -
	l	Landscaping and Environmental	1.5	Per km	€25,600.00	€ 38,400
	m	Structures (Including Tunnels - to be seperately identified)	1	Unit	€0.00	€ -
	n	Accommodation Works	1.5	Per km	€10,798.60	€ 16,198
	p	Statutory Authorities & Utilities	1.5	Per km	€25,860.44	€ 38,791
	q	Other Costs	1.5	Per km	€25,860.44	€ 38,791
	r	Preliminaries	1.5	Per km	€62,065.06	€ 93,098
	s	Active Travel Costs	1.5	Per km	€0.00	€ -
		Total Base Cost for Main Construction Contract (Excluding VAT)				€ 558,586
		Add Project Specific Risk Contingency		15.0%		€ 83,788
		Sub-Total exclusive of VAT				€ 642,373
		Add VAT at		13.5%		€ 86,720
		Total MCC Base Cost plus Project Specific Risk Contingency and VAT				€ 729,094
2		**Land and Property - All-In Costs**	Quantity	Unit	Rate €	
	a	Mainline and Link Roads - Agricultural	0.3	Ha.	88047.23	€ 26,414
	b	Mainline and Link Roads - Zoned/Other		Ha.		€ -
	c	Junction/Interchanges - Agricultural		Ha.		€ -
	d	Junction/Interchanges - Zoned		Ha.		€ -
	e	Properties (See attached breakdown)		Item		€ -
		Total Base Cost for Land and Property				€ 26,414
		Add Project Specific Risk Contingency		15.0%		€ 3,962
		Total L&P Base Cost plus Project Specific Risk Contingency				€ 30,376
3		**Planning and Design**				
		Provision to take account of Actual Costs and Contract Amounts where known		8.0%		€ 44,687
		Add Project Specific Risk Contingency		15.0%		€ 6,703
		Total P&D Base Cost plus Project Specific Risk Contingency				€ 51,390
4		**Archaeology**				
		Provision to take account of Actual Costs and Contract Amounts where known		7.5%		€ 41,894
		Add Project Specific Risk Contingency		15.0%		€ 6,284
		Total Archaeology Base Cost plus Project Specific Risk Contingency and VAT				€ 48,178
5		**Advance Works and Other Contracts**				
		Provision to take account of Actual Costs and Contract Amounts where known		5.0%		€ 27,929
		Add Project Specific Risk Contingency		15.0%		€ 4,189
		Total Enabling Works and Other Contracts Base Cost plus Project Specific Risk Contingency				€ 32,119
6		**Main Contract Supervision (Employer's Costs)**				

Level 2 Estimate Summary Sheet Link CD

Kilbeggan to Mullingar Greenway Project		**INSERT DATE OF ESTIMATE** 05/09/2024		
Phase 2 Option Selection		**INSERT BASE DATE FOR RATES** Feb-23		
	Provision to take account of Actual Costs and Contract Amounts where known	8.0%		€ 44,687
	Add Project Specific Risk Contingency	15.0%		€ 6,703
	Total MC Supervision (Employer's Costs) Base Cost plus Project Specific Risk Contingency			€ 51,390
7	**Public Transport Connectivity/Asset Renewal**			
	Provision based on percentage of Main Construction Contract Base Cost	0.0%		€ -
	Add Project Specific Risk Contingency	15.0%		€ -
	Total Walking / Cycling / PT Connectivity / Asset Renewal Base Cost plus Project Specific Risk Contingency			€ -
TOTAL LEVEL 2 ESTIMATE INCLUSIVE OF VAT				€ 942,547
	Mainline Length	1.50 km	Rate per km	€ 628,364
	Active Travel Costs (includes 10% L&P costs) Risk Incl	n/a	% of Total Cost	n/a

N.B. Figures above are INCLUSIVE of VAT - VAT rates utilised are : { PLEASE INSERT RATES HERE FOR EACH COST HEADING }

Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.

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 format of back-up.

See attached Estimate Assumptions Sheet for Further Project Information.

Level 2 Backup Sheet (LinkCD)

Kilbeggan to Mullingar Greenway Project	INSERT DATE ESTIMATE ISSUED	05/09/2024
Phase 2 Option Selection	INSERT BASE DATE FOR ESTIMATE	Feb-23
INSERT NAME OF TECHNICAL ADVISOR	INSERT NAME OF ESTIMATOR	Michael Conway

Main Construction Cost - Base Cost Estimate

Summary

A	Site Clearance			€1,777.96
B	Fencing			€64,130.17
C	Safety Barriers and Pedestrian Guardrails			€0.00
D	Drainage and Service Ducts			€55,827.42
E	Earthworks			€41,190.38
F	Pavement			€0.00
G	Kerbs, Footways and Paved Areas			€52,879.91
H	Traffic Signs			€3,000.00
J	Roadmarking			€3,400.00
K	Lighting and Electrical			€0.00
L	Landscaping and Environmental			€25,600.00
M	Structures (Including Tunnels to be seperately identified)			€0.00
N	Accommodation Works			€10,798.60
P	Statutory Authorities & Utilities			€25,860.44
Q	Any Other Obligations and Liabilities of the Contractor			€25,860.44
S	Active Travel			incl above
	Sub-Total			€310,325.32
R	Preliminaries		20%	€62,065.06
	MCC Base Cost Total excluding Project Specific Risk Contingency			€372,390.38
	Add Project Specific Risk Contingency	25	%	€93,098.00
	MCC Base Cost Total including Project Specific Risk Contingency			€465,488.38
	Add VAT at	13.5	%	€62,841.00
	MCC Base Cost Total including Project Specific Risk Contingency and VAT			€528,329.38

Mainline Length	1.5
MCC Cost per km based on Mainline Length Only	€310,325.59
Mainline plus Link Road Length	n/a
MCC Cost per km based on Mainline plus Link Road Length	n/a

Schedule of Works		Quantity	Unit	Rate/Prices	
A	**Site Clearance**				
A.1	General Site Clearance	0.8	Ha	€2,222.45	€1,777.96
A.2	Demolition of Buildings	0	Nr.	€3,605.02	€0.00
	Site Clearance Total to Summary				€1,777.96
B	**Fencing**				
B.1	Permanent Boundary Fencing	1500	m	€39.95	€59,924.33
B.2	Temporary Fencing	0	m	€11.52	€0.00
B.3	Mammal Fencing	0	m	€46.83	€0.00
B.4	Other Fencing (e.g. Palisade Security Fencing)	0	m	€70.10	€0.00
B.5	Other Fencing (e.g. Gates)	5	m	€841.17	€4,205.85
	Fencing Total to Summary				€64,130.17
C	**Safety Barrier and Pedestrian Guardrails**				
C.1	Safety Barrier (Specify Type)	0	m		0
C.2	Median Barrier (Specify Type e.g. Concrete or Wire)	0	m		0
C.3	Pedestrian Guardrail	0	m		0
	Safety Barrier and Pedestrian Guardrails Total to Summary				0
D	**Drainage and Service Ducts**				
D.1	Drainage - Sealed - Mainline and Link Roads		m	€54.03	0
D.2	Drainage - Open - Mainline and Link Roads		m	€45.07	0
D.3	Drainage and Service Ducts - Side Roads	1000	m	€50.07	50069.41
D.4	Drainage to Junctions/Interchanges (Chambers)	5	m	€1,151.60	5758.01
D.5	Outfalls		m	0	0
D.6	Attenuation Ponds/Provision		Item	0	0
D.7	Service Ducts (Specify Nr. Of Ducts) - Mainline and Link Roads		m	€87.62	0
D.8	Service Ducts (Specify Nr. Of Ducts) - Junctions/Interchanges		m	€87.62	0
D.9	Service Ducts (Specify Nr. Of Ducts) - Side Roads		m		0
	Drainage and Service Ducts Total to Summary				€55,827.42
E	**Earthworks**				
Mainline & Link Roads					
E.1	Excavation - Topsoil	1500	m3	€4.57	€6,857.40
E.2	Excavation - Acceptable	750	m3	€3.77	€2,824.78
E.3	Excavation - U1	0	m3	€3.09	€0.00
E.4	Excavation - U2	0	m3	€8.31	€0.00
E.5	Extra Over Excavation for Hard Material	0	m3	€14.00	€0.00
E.6	Processing (Specify source and end use)	0	m3	€1.53	€0.00
E.7	Disposal - U1	0	m3	€9.73	€0.00
E.8	Disposal - U2	0	m3	€272.13	€0.00
E.9	Import (Specify)	1500	m3	€19.12	€28,676.40
E.10	Compaction (Specify)	1500	m3	€0.96	€1,441.61
E11	Sub-formation and Formation		m2	€0.86	€0.00
E.12	Landscaping (Specify)	600	m3	€2.32	€1,390.18
E.13	Landscaping (Specify)	2000	m2	€0.80	€1,600.06
	Earthworks Sub-Total				€41,190.38
Junctions/Interchanges					

	Quantify works as per Mainline				0
	Earthworks Sub-Total				
Side Roads					
	Quantify works as per Mainline				0
	Earthworks Sub-Total				
	Earthworks Total to Summary				€41,190.38
F	**Pavement**				
Mainline					
F.1	Sub-Base (Specify)		m3	€17.63	€0.00
F.2	Compaction		m3	€7.21	€0.00
F.3	Roadbase (Specify)		m2	€30.77	€0.00
F.4	Base Course (Specify)		m2	€18.18	€0.00
F.5	Wearing Course (Specify)		m2	€12.87	€0.00
	Pavement Sub-Total				€0.00
Interchanges					
	Quantify works as per Mainline			N/A	
	Pavement Sub-Total				
Side Roads					
	Quantify works as per Mainline			N/A	
	Pavement Sub-Total			N/A	
	Pavement Total to Summary				€0.00
G	**Kerbs Footways and Paved Areas**				
	Allowance based on project scope and historical costs	3000	sum	17.63	€52,879.91
H	**Traffic Signs**				
	Allowance based on project scope and historical costs		sum		€3,000.00
J	**Roadmarkings**				
	Allowance based on project scope and historical costs		sum		€3,400.00
K	**Lighting and Electrical**				
	Allowance based on project scope and historical costs		sum	N/A	
L	**Landscaping and Environmental**				
	Allowance based on project scope and historical costs		sum		€25,600.00
M	**Structures** **(Including Tunnels to be seperately identified)**				
Section 1 A Structures					
M.1	Structure Type A (Standard Concrete)	0	per m²	3930.1	€0.00
M.2	Structure Type A (Standard Steel)	0	per m²	4936.6	€0.00
	Structures Total to Summary				€0.00
INSERT FURTHER STRUCTURES AS NECESSARY - CLEARLY IDENTIFY SIGNATURE STRUCTURES					
N	**Accommodation Works**				
	Allowance based on project scope and historical costs		sum		€10,798.60
P	**Statutory Authorities & Utilities**				
	Allowance based on project scope and historical costs		%	10%	€25,860.44
Q	**Any Other Obligations and Liabilities of the Contractor**				

	Allowance based on project scope and historical costs	%	10%	€25,860.44
R	**Preliminaries**			
R.1	Temporary Works including Traffic Management (Specify)	sum		
R.2	All other Preliminary Items	sum		
	Preliminaries Total to Summary			€0.00
N.B.	Figures are exclusive of VAT except where expressly stated above.			
	Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.			
	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 format of back-up.			
	See attached Estimate Assumptions Sheet for Further Project Information.			
	Land and Property			
	Greenway Sustainability Payments	1000 per m	€40.91	€40,910.00
	Land Acquisition Payments	8000 per m²	€2.62	€20,998.42
	General Disturbance	1 per km	€10,390.00	€10,390.00
	Injurious Affection	8000 per m²	€1.97	€15,748.81
	Total Land and Property			€88,047.23

Level 2 Estimate Summary Sheet Link to Lilliput

Kilbeggan to Mullingar Greenway Project				**INSERT DATE OF ESTIMATE** 14/01/2025		
Phase 2 Option Selection				**INSERT BASE DATE FOR RATES** Feb-23		
INSERT NAME OF TECHNICAL ADVISOR				INSERT NAME OF ESTIMATOR		
	Mainline Section Type :		Greenway	Mainline Length :		2.90
	Link Roads Section Type :		n/a	Link Roads Length :		n/a
1	**Main Construction Contract (See attached for breakdown presented to Level 2 detail)**		Quantity	Unit	Rate €	Total €
	a	Site Clearance	2.9	Per km	€1,777.96	€ 5,156
	b	Fencing	2.9	Per km	€64,130.17	€ 185,977
	c	Safety Barriers and Pedestrian Guardrails	2.9	Per km	€0.00	€ -
	d	Drainage and Service Ducts	2.9	Per km	€55,827.42	€ 161,900
	e	Earthworks	2.9	Per km	€41,190.38	€ 119,452
	f	Pavement	2.9	Per km	€0.00	€ -
	g	Kerbs, Footways and Paved Areas	2.9	Per km	€52,879.91	€ 153,352
	h	Traffic Signs	2.9	Per km	€3,000.00	€ 8,700
	j	Roadmarking	2.9	Per km	€3,400.00	€ 9,860
	k	Lighting and Electrical	2.9	Per km	€0.00	€ -
	l	Landscaping and Environmental	2.9	Per km	€25,600.00	€ 74,240
	m	Structures (Including Tunnels - to be seperately identified)	1	Unit	€125,763.46	€ 125,763
	n	Accommodation Works	2.9	Per km	€10,798.60	€ 31,316
	p	Statutory Authorities & Utilities	2.9	Per km	€38,436.79	€ 111,467
	q	Other Costs	2.9	Per km	€38,436.79	€ 111,467
	r	Preliminaries	2.9	Per km	€92,248.29	€ 267,520
	s	Active Travel Costs	2.9	Per km	€0.00	€ -
	Total Base Cost for Main Construction Contract (Excluding VAT)					€ 1,366,170
	Add Project Specific Risk Contingency			15.0%		€ 204,925
	Sub-Total exclusive of VAT					€ 1,571,095
	Add VAT at			13.5%		€ 212,098
	Total MCC Base Cost plus Project Specific Risk Contingency and VAT					€ 1,783,193
2	**Land and Property - All-In Costs**		Quantity	Unit	Rate €	
	a	Mainline and Link Roads - Agricultural	0.7	Ha.	88047.23	€ 61,633
	b	Mainline and Link Roads - Zoned/Other		Ha.		€ -
	c	Junction/Interchanges - Agricultural		Ha.		€ -
	d	Junction/Interchanges - Zoned		Ha.		€ -
	e	Properties (See attached breakdown)		Item		€ -
	Total Base Cost for Land and Property					€ 61,633
	Add Project Specific Risk Contingency			15.0%		€ 9,245
	Total L&P Base Cost plus Project Specific Risk Contingency					€ 70,878
3	**Planning and Design**					
	Provision to take account of Actual Costs and Contract Amounts where known			8.0%		€ 109,294
	Add Project Specific Risk Contingency			15.0%		€ 16,394
	Total P&D Base Cost plus Project Specific Risk Contingency					€ 125,688
4	**Archaeology**					
	Provision to take account of Actual Costs and Contract Amounts where known			7.5%		€ 102,463
	Add Project Specific Risk Contingency			15.0%		€ 15,369
	Total Archaeology Base Cost plus Project Specific Risk Contingency and VAT					€ 117,832
5	**Advance Works and Other Contracts**					
	Provision to take account of Actual Costs and Contract Amounts where known			5.0%		€ 68,308
	Add Project Specific Risk Contingency			15.0%		€ 10,246
	Total Enabling Works and Other Contracts Base Cost plus Project Specific Risk Contingency					€ 78,555
6	**Main Contract Supervision (Employer's Costs)**					

Level 2 Estimate Summary Sheet Link to Lilliput

Kilbeggan to Mullingar Greenway Project

Phase 2 Option Selection

INSERT DATE OF ESTIMATE 14/01/2025

INSERT BASE DATE FOR RATES Feb-23

	Provision to take account of Actual Costs and Contract Amounts where known	8.0%		€ 109,294
	Add Project Specific Risk Contingency	15.0%		€ 16,394
	Total MC Supervision (Employer's Costs) Base Cost plus Project Specific Risk Contingency			€ 125,688
7	**Public Transport Connectivity/Asset Renewal**			
	Provision based on percentage of Main Construction Contract Base Cost	0.0%		€ -
	Add Project Specific Risk Contingency	15.0%		€ -
	Total Walking / Cycling / PT Connectivity / Asset Renewal Base Cost plus Project Specific Risk Contingency			€ -
TOTAL LEVEL 2 ESTIMATE INCLUSIVE OF VAT				€ 2,301,833
	Mainline Length	2.90 km	Rate per km	€ 793,736
	Active Travel Costs (includes 10% L&P costs) Risk Incl	n/a	% of Total Cost	n/a

N.B. Figures above are INCLUSIVE of VAT - VAT rates utilised are : { PLEASE INSERT RATES HERE FOR EACH COST HEADING }

Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.

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 format of back-up.

See attached Estimate Assumptions Sheet for Further Project Information.

Level 2 Backup Sheet (Link to Lilliput)

Kilbeggan to Mullingar Greenway Project	INSERT DATE ESTIMATE ISSUED	14/01/2025
Phase 2 Option Selection	INSERT BASE DATE FOR ESTIMATE	Feb-23
INSERT NAME OF TECHNICAL ADVISOR	INSERT NAME OF ESTIMATOR	Michael Conway

Main Construction Cost - Base Cost Estimate

Summary

A	Site Clearance			€1,777.96
B	Fencing			€64,130.17
C	Safety Barriers and Pedestrian Guardrails			€0.00
D	Drainage and Service Ducts			€55,827.42
E	Earthworks			€41,190.38
F	Pavement			€0.00
G	Kerbs, Footways and Paved Areas			€52,879.91
H	Traffic Signs			€3,000.00
J	Roadmarking			€3,400.00
K	Lighting and Electrical			€0.00
L	Landscaping and Environmental			€25,600.00
M	Structures (Including Tunnels to be seperately identified)			€125,763.46
N	Accommodation Works			€10,798.60
P	Statutory Authorities & Utilities			€38,436.79
Q	Any Other Obligations and Liabilities of the Contractor			€38,436.79
S	Active Travel			incl above
	Sub-Total			€461,241.47
R	Preliminaries		20%	€92,248.29
	MCC Base Cost Total excluding Project Specific Risk Contingency			€553,489.76
	Add Project Specific Risk Contingency	25	%	€138,372.00
	MCC Base Cost Total including Project Specific Risk Contingency			€691,861.76
	Add VAT at	13.5	%	€93,401.00
	MCC Base Cost Total including Project Specific Risk Contingency and VAT			€785,262.76

Level 2 Backup Sheet (Link to Lilliput)

Kilbeggan to Mullingar Greenway Project	INSERT DATE ESTIMATE ISSUED	14/01/2025
Phase 2 Option Selection	INSERT BASE DATE FOR ESTIMATE	Feb-23
INSERT NAME OF TECHNICAL ADVISOR	INSERT NAME OF ESTIMATOR	Michael Conway

Mainline Length	2.9
MCC Cost per km based on Mainline Length Only	€238,573.02
Mainline plus Link Road Length	n/a
MCC Cost per km based on Mainline plus Link Road Length	n/a

	Schedule of Works	**Quantity**	**Unit**	**Rate/Prices**	
A	**Site Clearance**				
A.1	General Site Clearance	0.8	Ha	€2,222.45	€1,777.96
A.2	Demolition of Buildings	0	Nr.	€3,605.02	€0.00
	Site Clearance Total to Summary				€1,777.96
B	**Fencing**				
B.1	Permanent Boundary Fencing	1500	m	€39.95	€59,924.33
B.2	Temporary Fencing	0	m	€11.52	€0.00
B.3	Mammal Fencing	0	m	€46.83	€0.00
B.4	Other Fencing (e.g. Palisade Security Fencing)	0	m	€70.10	€0.00
B.5	Other Fencing (e.g. Gates)	5	m	€841.17	€4,205.85
	Fencing Total to Summary				€64,130.17
C	**Safety Barrier and Pedestrian Guardrails**				
C.1	Safety Barrier (Specify Type)	0	m		0
C.2	Median Barrier (Specify Type e.g. Concrete or Wire)	0	m		0
C.3	Pedestrian Guardrail	0	m		0
	Safety Barrier and Pedestrian Guardrails Total to Summary				0
D	**Drainage and Service Ducts**				
D.1	Drainage - Sealed - Mainline and Link Roads		m	€54.03	0
D.2	Drainage - Open - Mainline and Link Roads		m	€45.07	0
D.3	Drainage and Service Ducts - Side Roads	1000	m	€50.07	50069.41
D.4	Drainage to Junctions/Interchanges (Chambers)	5	m	€1,151.60	5758.01
D.5	Outfalls		m	0	0
D.6	Attenuation Ponds/Provision		Item	0	0
D.7	Service Ducts (Specify Nr. Of Ducts) - Mainline and Link Roads		m	€87.62	0
D.8	Service Ducts (Specify Nr. Of Ducts) - Junctions/Interchanges		m	€87.62	0
D.9	Service Ducts (Specify Nr. Of Ducts) - Side Roads		m		0
	Drainage and Service Ducts Total to Summary				€55,827.42
E	**Earthworks**				
	Mainline & Link Roads				
E.1	Excavation - Topsoil	1500	m3	€4.57	€6,857.40
E.2	Excavation - Acceptable	750	m3	€3.77	€2,824.78
E.3	Excavation - U1	0	m3	€3.09	€0.00
E.4	Excavation - U2	0	m3	€8.31	€0.00
E.5	Extra Over Excavation for Hard Material	0	m3	€14.00	€0.00
E.6	Processing (Specify source and end use)	0	m3	€1.53	€0.00
E.7	Disposal - U1	0	m3	€9.73	€0.00
E.8	Disposal - U2	0	m3	€272.13	€0.00
E.9	Import (Specify)	1500	m3	€19.12	€28,676.40
E.10	Compaction (Specify)	1500	m3	€0.96	€1,441.61

Level 2 Backup Sheet (Link to Lilliput)

Kilbeggan to Mullingar Greenway Project		INSERT DATE ESTIMATE ISSUED			14/01/2025
Phase 2 Option Selection		INSERT BASE DATE FOR ESTIMATE			Feb-23
INSERT NAME OF TECHNICAL ADVISOR		INSERT NAME OF ESTIMATOR			Michael Conway
E11	Sub-formation and Formation		m2	€0.86	€0.00
E.12	Landscaping (Specify)	600	m3	€2.32	€1,390.18
E.13	Landscaping (Specify)	2000	m2	€0.80	€1,600.06
	Earthworks Sub-Total				€41,190.38
Junctions/Interchanges					
	Quantify works as per Mainline				0
	Earthworks Sub-Total				
Side Roads					
	Quantify works as per Mainline				0
	Earthworks Sub-Total				
	Earthworks Total to Summary				€41,190.38
F	**Pavement**				
Mainline					
F.1	Sub-Base (Specify)		m3	€17.63	€0.00
F.2	Compaction		m3	€7.21	€0.00
F.3	Roadbase (Specify)		m2	€30.77	€0.00
F.4	Base Course (Specify)		m2	€18.18	€0.00
F.5	Wearing Course (Specify)		m2	€12.87	€0.00
	Pavement Sub-Total				€0.00
Interchanges					
	Quantify works as per Mainline			N/A	
	Pavement Sub-Total				
Side Roads					
	Quantify works as per Mainline			N/A	
	Pavement Sub-Total			N/A	
	Pavement Total to Summary				€0.00
G	**Kerbs Footways and Paved Areas**				
	Allowance based on project scope and historical costs	3000	sum	17.63	€52,879.91
H	**Traffic Signs**				
	Allowance based on project scope and historical costs		sum		€3,000.00
J	**Roadmarkings**				
	Allowance based on project scope and historical costs		sum		€3,400.00
K	**Lighting and Electrical**				
	Allowance based on project scope and historical costs		sum	N/A	
L	**Landscaping and Environmental**				
	Allowance based on project scope and historical costs		sum		€25,600.00
M	**Structures** (Including Tunnels to be seperately identified)				
Section 1 A Structures					
M.1	Structure Type A (Standard Concrete)	32	per m²	3930.1	€125,763.46

Level 2 Backup Sheet (Link to Lilliput)					
Kilbeggan to Mullingar Greenway Project		INSERT DATE ESTIMATE ISSUED			14/01/2025
Phase 2 Option Selection		INSERT BASE DATE FOR ESTIMATE			Feb-23
INSERT NAME OF TECHNICAL ADVISOR		INSERT NAME OF ESTIMATOR			Michael Conway
M.2	Structure Type A (Standard Steel)	0	per m²	4936.6	€0.00
	Structures Total to Summary				€125,763.46
INSERT FURTHER STRUCTURES AS NECESSARY - CLEARLY IDENTIFY SIGNATURE STRUCTURES					
N	**Accommodation Works**				
	Allowance based on project scope and historical costs		sum		€10,798.60
P	**Statutory Authorities & Utilities**				
	Allowance based on project scope and historical costs		%	10%	€38,436.79
Q	**Any Other Obligations and Liabilities of the Contractor**				
	Allowance based on project scope and historical costs		%	10%	€38,436.79
R	**Preliminaries**				
R.1	Temporary Works including Traffic Management (Specify)		sum		
R.2	All other Preliminary Items		sum		
	Preliminaries Total to Summary				€0.00
N.B.	Figures are exclusive of VAT except where expressly stated above.				
	Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.				
	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 format of back-up.				
	See attached Estimate Assumptions Sheet for Further Project Information.				
	Land and Property				
	Greenway Sustainability Payments	1000	per m	€40.91	€40,910.00
	Land Acquisition Payments	8000	per m²	€2.62	€20,998.42
	General Disturbance	1	per km	€10,390.00	€10,390.00
	Injurious Affection	8000	per m²	€1.97	€15,748.81
	Total Land and Property				€88,047.23

Baseline Rates						
EC Material	Lower	Upper	Cost	Including Inflation 3.9%	Unit	Rate Obtained From
Site Clearance						
General Site Clearance	€4,094.16	€183.89	€2,139.03	€2,222.45	per HA	TII Schedule of Rates 2023 - 200.1
Demolition of Buildings	€5,782.83	€1,156.57	€3,469.70	€3,605.02	per Item	TII Schedule of Rates 2023 - 200.2
Fencing						
Permanent Boundary Fencing	€28.13	€48.77	€38.45	€39.95	per m	TII Schedule of Rates 2023 - 300.1
Temporary Fencing	€8.87	€13.30	€11.09	€11.52	per m	TII Schedule of Rates 2023 - 300.4
Mammal Fencing	€33.99	€56.16	€45.08	€46.83	per m	TII Schedule of Rates 2023 - 300.5
Other Fencing (e.g. Palisade Security Fencing)	€51.40	€83.53	€67.47	€70.10	per m	TII Schedule of Rates 2023 - 300.8
Other Fencing (e.g. Gates)	€693.94	€925.25	€809.60	€841.17	per Item	TII Schedule of Rates 2023 - 300.13
Drainage and Service Ducts						
Drainage - Sealed - Mainline and Link Roads	€32.69	€71.32	€52.01	€54.03	per m	TII Schedule of Rates 2023 -500.1
Drainage - Open - Mainline and Link Roads	€32.69	€71.32	€52.01	€54.03	per m	TII Schedule of Rates 2023 -500.1
Drainage and Service Ducts - Side Roads	€33.73	€62.65	€48.19	€50.07	per m	TII Schedule of Rates 2023 - 500.101
Drainage to Junctions/Interchanges	€385.52	€449.78	€417.65	€433.94	per Item	TII Schedule of Rates 2023 - 2700.30
Filter drains	€31.81	€54.94	€43.38	€45.07	per m	TII Schedule of Rates 2023 - 500.51
Chambers	€771.04	€1,445.71	€1,108.38	€1,151.60	per Item	TII Schedule of Rates 2023 - 500.105
Outfalls			€0.00	€0.00		
Attenuation Ponds/Provision			€0.00	€0.00		
Service Ducts (Specify Nr. Of Ducts) - Mainline and Link Roads	€72.29	€96.38	€84.34	€87.62	per Item	TII Schedule of Rates 2023 - 500.115
Service Ducts (Specify Nr. Of Ducts) - Junctions/Interchanges	€72.29	€96.38	€84.34	€87.62		TII Schedule of Rates 2023 - 500.116
Earthworks						
Excavation - Topsoil	€0.67	€8.13	€4.40	€4.57	per m^3	TII Schedule of Rates 2023 - 600.1
Excavation - Acceptable	€0.93	€6.32	€3.63	€3.77	per m^3	TII Schedule of Rates 2023 - 600.2
Excavation - U1	€0.93	€5.01	€2.97	€3.09	per m^3	TII Schedule of Rates 2023 - 600.3
Excavation - U2	€1.19	€14.80	€8.00	€8.31	per m^3	TII Schedule of Rates 2023 - 600.4
Extra Over Excavation for Hard Material	€2.78	€24.17	€13.48	€14.00	per m^3	TII Schedule of Rates 2023 - 600.5
Processing (Specify source and end use)	€1.19	€1.76	€1.48	€1.53	per m^3	TII Schedule of Rates 2023 - 600.6
Disposal - U1	€0.51	€18.21	€9.36	€9.73	per m^3	TII Schedule of Rates 2023 - 600.11
Disposal - U2	€200.00	€323.84	€261.92	€272.13	per m^3	TII Schedule of Rates 2023 - 600.12
Import (Specify)	€6.54	€30.26	€18.40	€19.12	per m^3	TII Schedule of Rates 2023 - 600.14 - Imported acceptable material fill in Embankments and other areas of fill
Compaction (Specify)	€0.12	€1.73	€0.93	€0.96	per m^3	TII Schedule of Rates 2023 - 600.16 - Compaction of Acceptable material
Sub-formation and Formation	€0.06	€1.60	€0.83	€0.86	per m²	TII Schedule of Rates 2023 - 600.32
Landscaping (Specify)	€0.46	€4.00	€2.23	€2.32	per m^3	TII Schedule of Rates 2023 - 600.26 - Topsoiling 300mm Surfaces sloping at 10 degrees or less to the horizontal
Landscaping (Specify)	€0.19	€1.35	€0.77	€0.80	per m²	TII Schedule of Rates 2023 - 600.28 - Grass seeding Surfaces sloping at 10 degrees or less to the horizontal
Pavement						
Sub-Base (Specify)	€11.31	€22.62	€16.97	€17.63	per m²	TII Schedule of Rates 2023 - 1100.16 - Footpath (Cycleway) surfacing, binder, 50mm thick, AC20 dense bin 40/60 DES, Surface course, 35mm thick, SMA 10 SURF PBM 65/105-60 DES, surfacing sloping at 100 to the horizontal
Sub-Base (Specify)	€14.80	€29.61	€22.21	€23.07	per m^3	TII Schedule of Rates 2023 - 600.55 - Imported acceptable material fill Class 6F2 , Fill on capping, sub-base material and roadbase
	€0.93	€12.95	€6.94	€7.21	per m^3	TII Schedule of Rates 2023 - 600.61 - Compaction of Acceptable material in Fill on capping, sub-base material and roadbase
Roadbase (Specify)	€21.20	€38.03	€29.62	€30.77	per m²	TII Schedule of Rates 2023 - 700.1 - Sub-base, Granular Type B to Clause 804, 150mm thick in carriageway, hardshoulder and hardstrip
Base Course (Specify)	€12.83	€22.16	€17.50	€18.18	per m²	TII Schedule of Rates 2023 - 700.9 - Pavement, Binder Course, AC 20 Dense bin 70/100 des; 80mm thick in carriageway, hardshoulder and hardstrip
Wearing Course (Specify)	€7.96	€16.81	€12.39	€12.87	per m²	TII Schedule of Rates 2023 - 700.12 - Pavement, Surface Course, SMA 10 surf PMB 65/105-60 des; 40mm thick in carriageway, hardshoulder and hard strip
General						
Preliminaries				20%	%	Assumed Percentage
Accomodation Works				€10,798.60	per km	Rate based on 20% of Prorata from Corduff (3.7km road realignment) €53,993/km
Traffic Signs				€3,000.00	per km	Rate based on 20% of Prorata from Corduff (3.7km road realignment) €15,000/km
Road Markings				€3,400.00	per km	Rate based on 20% of Prorata from Corduff (3.7km road realignment) €17,000/km
Landscaping & Environmental				€25,600.00	per km	Rate based on 20% of Prorata from Corduff (3.7km road realignment) €128,000/km
Statutory Authorities & Utilities				10%	%	Assumed Percentage
Any Other Obligations and Liabilities of the Contractor				10%	%	Assumed Percentage