

N52 Tullamore to Kilbeggan Option 1		03/02/2023		
Phase 2 Option Selection - Stage 2 Project Appraisal		INSERT BASE DATE FOR RATES		April 2021
Technical Advisor - RPS		Estimator - AJ		PM - MC
1	Main Construction Contract (See attached for breakdown presented to Level 2 detail)			Total €
a	Site Clearance			100,888.20
b	Fencing			1,063,681.30
c	Safety Barriers and Pedestrian Guardrails			2,276,369.50
d	Drainage and Service Ducts			5,876,578.95
e	Earthworks			3,143,183.46
f	Pavement			10,541,227.36
g	Kerbs, Footways and Paved Areas			0.00
h	Traffic Signs			363,065.49
j	Roadmarking			189,308.47
k	Lighting and Electrical			366,315.29
l	Landscaping and Environmental			2,364,460.41
m	Structures (Including Tunnels - to be separately identified)			5,920,250.00
n	Accommodation Works			272,733.45
p	Statutory Authorities & Utilities			1,827,574.25
q	Other Costs			0.00
r	Preliminaries			6,175,014.50
Total Base Cost for Main Construction Contract (Excluding VAT)				40,480,650.62
Add Project Specific Risk Contingency				15% 6,072,097.59
Sub-Total exclusive of VAT				46,552,748.21
Add VAT at				13.5% 6,284,621.01
Total MCC Base Cost plus Project Specific Risk Contingency and VAT				52,837,369.22
2	Land and Property - All-In Costs	Quantity	Unit	Rate €
a	Mainline and Link Roads - Agricultural	33.6294	Ha.	128,200.00
b	Mainline and Link Roads - Zoned/Other	1.222	Ha.	512,800.00
c	Junction/Interchanges - Agricultural	0	Ha.	0.00
d	Junction/Interchanges - Zoned	0	Ha.	0.00
e	Properties (See attached breakdown)	0	Item	0.00
Total Base Cost for Land and Property				4,937,930.68
Add Project Specific Risk Contingency				5% 246,896.53
Total L&P Base Cost plus Project Specific Risk Contingency				5,184,827.21
3	Planning and Design			
Phase 1 to 4 Design Consultancy Costs (based on recent similar scheme costs) Incl VAT				1,906,500.00
Phase 5 Design Consultancy Costs (based on recent similar scheme costs) Incl VAT				922,500.00
Investigative Survey Costs (based on recent similar scheme costs) Incl VAT				450,000.00
Add Project Specific Risk Contingency				15% 491,850.00
Total P&D Base Cost plus Project Specific Risk Contingency				3,770,850.00
4	Archaeology			
Provision to take account of Actual Costs and Contract Amounts where known				1,016,166.00
Add Project Specific Risk Contingency				10% 101,616.60
Total Archaeology Base Cost plus Project Specific Risk Contingency and VAT				1,117,782.60
5	Enabling Works and Other Contracts			
Based on €0.25m per km of offline and/or un-upgraded route				1,396,050.00
Add Project Specific Risk Contingency				10% 139,605.00
Total Enabling Works and Other Contracts Base Cost plus Project Specific Risk Contingency				1,535,655.00
6	Main Contract Supervision (Employer's Costs)			
Based on 6% of Main Construction Cost				2,987,472.02
Add Project Specific Risk Contingency				15% 448,120.80
Total MC Supervision (Employer's Costs) Base Cost plus Project Specific Risk Contingency				3,435,592.82
7	Walking / Cycling / PT Connectivity / Asset Renewal			
Provision 2% of Main Construction Cost for Asset Renewal (only applicable for sections of old road retained)				0.00
Percent for Art (projects >€50,000,000) = approx €500,000				500,000.00
Active Travel Costs				463,783.57
Add Project Specific Risk Contingency				5% 48,189.18
Total Walking / Cycling / PT Connectivity / Asset Renewal Base Cost plus Project Specific Risk Contingency				1,011,972.75
TOTAL LEVEL 2 ESTIMATE INCLUSIVE OF VAT				68,894,049.60
Mainline Length		8.544	km	Rate per km
				8,063,442.13
<p>N.B. Figures above are INCLUSIVE of VAT - VAT rates utilised are : { PLEASE INSERT RATES HERE FOR EACH COST HEADING }</p> <p>Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.</p> <p>Total base costs to include for ALL qualifying costs under each cost heading.</p> <p>Refer to the TII Cost Management Manual for information on coverage and format of back-up.</p> <p>See attached Estimate Assumptions Sheet for Further Project Information.</p>				

N52 Tullamore to Kilbeggan Option 1		03/02/2023		
Phase 2 Option Selection - Stage 2 Project Appraisal		INSERT BASE DATE FOR RATES		April 2021
Technical Advisor - RPS		Estimator - AJ		PM - MC
1	Main Construction Contract (See attached for breakdown presented to Level 2 detail)			Total €
a	Site Clearance			91,532.03
b	Fencing			1,063,681.30
c	Safety Barriers and Pedestrian Guardrails			2,276,369.50
d	Drainage and Service Ducts			5,876,578.95
e	Earthworks			2,941,490.52
f	Pavement			10,152,664.96
g	Kerbs, Footways and Paved Areas			0.00
h	Traffic Signs			363,065.49
j	Roadmarking			189,308.47
k	Lighting and Electrical			366,315.29
l	Landscaping and Environmental			2,364,460.41
m	Structures (Including Tunnels - to be separately identified)			5,920,250.00
n	Accommodation Works			272,733.45
p	Statutory Authorities & Utilities			1,827,574.25
q	Other Costs			0.00
r	Preliminaries			6,067,084.43
Total Base Cost for Main Construction Contract (Excluding VAT)				39,773,109.03
Add Project Specific Risk Contingency				15% 5,965,966.35
Sub-Total exclusive of VAT				45,739,075.39
Add VAT at				13.5% 6,174,775.18
Total MCC Base Cost plus Project Specific Risk Contingency and VAT				51,913,850.56
2	Land and Property - All-In Costs	Quantity	Unit	Rate €
a	Mainline and Link Roads - Agricultural	30.510675	Ha.	128,200.00
b	Mainline and Link Roads - Zoned/Other	1.222	Ha.	512,800.00
c	Junction/Interchanges - Agricultural	0	Ha.	0.00
d	Junction/Interchanges - Zoned	0	Ha.	0.00
e	Properties (See attached breakdown)	0	Item	0.00
Total Base Cost for Land and Property				4,538,110.14
Add Project Specific Risk Contingency				5% 226,905.51
Total L&P Base Cost plus Project Specific Risk Contingency				4,765,015.64
3	Planning and Design			
Phase 1 to 4 Design Consultancy Costs (based on recent similar scheme costs) Incl VAT				1,906,500.00
Phase 5 Design Consultancy Costs (based on recent similar scheme costs) Incl VAT				922,500.00
Investigative Survey Costs (based on recent similar scheme costs) Incl VAT				450,000.00
Add Project Specific Risk Contingency				15% 491,850.00
Total P&D Base Cost plus Project Specific Risk Contingency				3,770,850.00
4	Archaeology			
Provision to take account of Actual Costs and Contract Amounts where known				1,016,166.00
Add Project Specific Risk Contingency				10% 101,616.60
Total Archaeology Base Cost plus Project Specific Risk Contingency and VAT				1,117,782.60
5	Enabling Works and Other Contracts			
Based on €0.25m per km of offline and/or un-upgraded route				1,396,050.00
Add Project Specific Risk Contingency				10% 139,605.00
Total Enabling Works and Other Contracts Base Cost plus Project Specific Risk Contingency				1,535,655.00
6	Main Contract Supervision (Employer's Costs)			
Based on 6% of Main Construction Cost				2,935,255.45
Add Project Specific Risk Contingency				15% 440,288.32
Total MC Supervision (Employer's Costs) Base Cost plus Project Specific Risk Contingency				3,375,543.76
7	Walking / Cycling / PT Connectivity / Asset Renewal			
Provision 2% of Main Construction Cost for Asset Renewal (only applicable for sections of old road retained)				0.00
Percent for Art (projects >€50,000,000) = approx €500,000				500,000.00
Active Travel Costs				463,783.57
Add Project Specific Risk Contingency				5% 48,189.18
Total Walking / Cycling / PT Connectivity / Asset Renewal Base Cost plus Project Specific Risk Contingency				1,011,972.75
TOTAL LEVEL 2 ESTIMATE INCLUSIVE OF VAT				67,490,670.32
Mainline Length		8.544	km	Rate per km
				7,899,188.94
<p>N.B. Figures above are INCLUSIVE of VAT - VAT rates utilised are : { PLEASE INSERT RATES HERE FOR EACH COST HEADING }</p> <p>Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.</p> <p>Total base costs to include for ALL qualifying costs under each cost heading.</p> <p>Refer to the TII Cost Management Manual for information on coverage and format of back-up.</p> <p>See attached Estimate Assumptions Sheet for Further Project Information.</p>				

Technical Advisor - RPS		Estimator - AJ	PM - MC
1	Main Construction Contract (See attached for breakdown presented to Level 2 detail)		Total €
a	Site Clearance		152,741.40
b	Fencing		758,793.20
c	Safety Barriers and Pedestrian Guardrails		2,213,062.50
d	Drainage and Service Ducts		4,229,120.54
e	Earthworks		4,077,723.89
f	Pavement		8,526,396.21
g	Kerbs, Footways and Paved Areas		0.00
h	Traffic Signs		347,810.28
j	Roadmarking		181,354.14
k	Lighting and Electrical		350,923.53
l	Landscaping and Environmental		2,265,111.01
m	Structures (Including Tunnels - to be separately identified)		8,636,000.00
n	Accommodation Works		261,273.79
p	Statutory Authorities & Utilities		1,750,783.61
q	Other Costs		0.00
r	Preliminaries		6,075,196.94
Total Base Cost for Main Construction Contract (Excluding VAT)			39,826,291.04
Add Project Specific Risk Contingency		15%	5,973,943.66
Sub-Total exclusive of VAT			45,800,234.70
Add VAT at		13.5%	6,183,031.68
Total MCC Base Cost plus Project Specific Risk Contingency and VAT			51,983,266.38
2	Land and Property - All-In Costs	Quantity	Unit
a	Mainline and Link Roads - Agricultural	29.473	Ha.
b	Mainline and Link Roads - Zoned/Other	0.031	Ha.
c	Junction/Interchanges - Agricultural	0	Ha.
d	Junction/Interchanges - Zoned	0	Ha.
e	Properties (See attached breakdown)	0	Item
Total Base Cost for Land and Property			3,778,438.60
Add Project Specific Risk Contingency		5%	15,896.80
Total L&P Base Cost plus Project Specific Risk Contingency			3,984,052.17
3	Planning and Design		
Phase 1 to 4 Design Consultancy Costs (based on recent similar scheme costs) Incl VAT			1,906,500.00
Phase 5 Design Consultancy Costs (based on recent similar scheme costs) Incl VAT			922,500.00
Investigative Survey Costs (based on recent similar scheme costs) Incl VAT			450,000.00
Add Project Specific Risk Contingency		15%	491,850.00
Total P&D Base Cost plus Project Specific Risk Contingency			3,770,850.00
4	Archaeology		
Provision to take account of Actual Costs and Contract Amounts where known			3,296,381.00
Add Project Specific Risk Contingency		10%	329,638.10
Total Archaeology Base Cost plus Project Specific Risk Contingency and VAT			3,626,019.10
5	Enabling Works and Other Contracts		
Based on €0.25m per km of offline and/or un-upgraded route			1,220,125.00
Add Project Specific Risk Contingency		10%	122,012.50
Total Enabling Works and Other Contracts Base Cost plus Project Specific Risk Contingency			1,342,137.50
6	Main Contract Supervision (Employer's Costs)		
Based on 6% of Main Construction Cost			2,939,180.28
Add Project Specific Risk Contingency		15%	440,877.04
Total MC Supervision (Employer's Costs) Base Cost plus Project Specific Risk Contingency			3,380,057.32
7	Walking / Cycling / PT Connectivity / Asset Renewal		
Provision 2% of Main Construction Cost for Asset Renewal (only applicable for sections of old road retained)			490,849.67
Percent for Art (projects >€50,000,000) = approx €500,000			500,000.00
Active Travel Costs			689,534.85
Add Project Specific Risk Contingency		5%	84,019.23
Total Walking / Cycling / PT Connectivity / Asset Renewal Base Cost plus Project Specific Risk Contingency			1,764,403.74
TOTAL LEVEL 2 ESTIMATE INCLUSIVE OF VAT			69,850,786.22
Mainline Length		8.185 km	Rate per km
			8,533,999.54
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.		

N52 Tullamore to Kilbeggan - Combination Option 2-3 [Type 1 Single]				03/02/2023	
Phase 2 Option Selection - Stage 2 Project Appraisal			INSERT BASE DATE FOR RATES		April 2021
Technical Advisor - RPS		Estimator - AJ		PM - MC	
1	Main Construction Contract (See attached for breakdown presented to Level 2 detail)				Total €
a	Site Clearance				136,467.69
b	Fencing				620,722.30
c	Safety Barriers and Pedestrian Guardrails				896,169.60
d	Drainage and Service Ducts				3,964,136.47
e	Earthworks				2,351,322.60
f	Pavement				6,551,116.51
g	Kerbs, Footways and Paved Areas				0.00
h	Traffic Signs				344,198.32
j	Roadmarking				179,470.81
k	Lighting and Electrical				347,279.24
l	Landscaping and Environmental				2,241,588.17
m	Structures (Including Tunnels - to be separately identified)				8,075,750.00
n	Accommodation Works				258,560.51
p	Statutory Authorities & Utilities				1,732,601.99
q	Other Costs				0.00
r	Preliminaries				4,985,889.16
Total Base Cost for Main Construction Contract (Excluding VAT)					32,685,273.35
Add Project Specific Risk Contingency				15 %	4,902,791.00
Sub-Total exclusive of VAT					37,588,064.36
Add VAT at				13.5 %	5,074,388.69
Total MCC Base Cost plus Project Specific Risk Contingency and VAT					42,662,453.05
2	Land and Property - All-In Costs	Quantity	Unit	Rate €	
a	Mainline and Link Roads - Agricultural	26.4426	Ha.	128,200.00	3,389,941.32
b	Mainline and Link Roads - Zoned/Other	0.031	Ha.	512,800.00	15,896.80
c	Junction/Interchanges - Agricultural	0	Ha.		0.00
d	Junction/Interchanges - Zoned	0	Ha.		0.00
e	Properties (See attached breakdown)	0	Item		0.00
Total Base Cost for Land and Property					3,405,838.12
Add Project Specific Risk Contingency				5 %	170,291.91
Total L&P Base Cost plus Project Specific Risk Contingency					3,576,130.03
3	Planning and Design				
Phase 1 to 4 Design Consultancy Costs (based on recent similar scheme costs) Incl VAT					1,906,500.00
Phase 5 Design Consultancy Costs (based on recent similar scheme costs) Incl VAT					922,500.00
Investigative Survey Costs (based on recent similar scheme costs) Incl VAT					450,000.00
Add Project Specific Risk Contingency				15 %	491,850.00
Total P&D Base Cost plus Project Specific Risk Contingency					3,770,850.00
4	Archaeology				
Provision to take account of Actual Costs and Contract Amounts where known					2,281,350.00
Add Project Specific Risk Contingency				10 %	228,135.00
Total Archaeology Base Cost plus Project Specific Risk Contingency and VAT					2,509,485.00
5	Enabling Works and Other Contracts				
Based on €0.25m per km of offline and/or un-upgraded route					1,362,000.00
Add Project Specific Risk Contingency				10 %	136,200.00
Total Enabling Works and Other Contracts Base Cost plus Project Specific Risk Contingency					1,498,200.00
6	Main Contract Supervision (Employer's Costs)				
Based on 6% of Main Construction Cost					2,412,173.17
Add Project Specific Risk Contingency				15 %	361,825.98
Total MC Supervision (Employer's Costs) Base Cost plus Project Specific Risk Contingency					2,773,999.15
7	Walking / Cycling / PT Connectivity / Asset Renewal				
Provision 2% of Main Construction Cost for Asset Renewal (only applicable for sections of old road retained)					453,902.31
Percent for Art (projects >€50,000,000) = approx €500,000					500,000.00
Active Travel Costs					565,898.42
Add Project Specific Risk Contingency				5 %	75,990.04
Total Walking / Cycling / PT Connectivity / Asset Renewal Base Cost plus Project Specific Risk Contingency					1,595,790.77
TOTAL LEVEL 2 ESTIMATE INCLUSIVE OF VAT					58,386,907.99
Mainline Length		8.100	km	Rate per km	7,208,260.25
<p>N.B. Figures above are INCLUSIVE of VAT - VAT rates utilised are : { PLEASE INSERT RATES HERE FOR EACH COST HEADING }</p> <p>Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.</p> <p>Total base costs to include for ALL qualifying costs under each cost heading.</p> <p>Refer to the TII Cost Management Manual for information on coverage and format of back-up.</p> <p>See attached Estimate Assumptions Sheet for Further Project Information.</p>					

N52 Tullamore to Kilbeggan - Combination Option 2-3		03/02/2023	
Phase 2 Option Selection - Stage 2 Project Appraisal		INSERT BASE DATE FOR RATES	
Technical Advisor - RPS		Estimator - AJ	
		PM - MC	
April 2021			
1	Main Construction Contract (See attached for breakdown presented to Level 2 detail)		Total €
a	Site Clearance		152,741.40
b	Fencing		758,793.20
c	Safety Barriers and Pedestrian Guardrails		2,213,062.50
d	Drainage and Service Ducts		3,964,136.47
e	Earthworks		3,410,010.92
f	Pavement		8,293,935.01
g	Kerbs, Footways and Paved Areas		0.00
h	Traffic Signs		344,198.32
j	Roadmarking		179,470.81
k	Lighting and Electrical		347,279.24
l	Landscaping and Environmental		2,241,588.17
m	Structures (Including Tunnels - to be separately identified)		8,075,750.00
n	Accommodation Works		258,560.51
p	Statutory Authorities & Utilities		1,732,601.99
q	Other Costs		0.00
r	Preliminaries		5,754,983.14
Total Base Cost for Main Construction Contract (Excluding VAT)			37,727,111.67
Add Project Specific Risk Contingency			15 % 5,659,066.75
Sub-Total exclusive of VAT			43,386,178.42
Add VAT at			13.5 % 5,857,134.09
Total MCC Base Cost plus Project Specific Risk Contingency and VAT			49,243,312.50
2	Land and Property - All-In Costs	Quantity	Unit
a	Mainline and Link Roads - Agricultural	29.473	Ha.
b	Mainline and Link Roads - Zoned/Other	0.031	Ha.
c	Junction/Interchanges - Agricultural	0	Ha.
d	Junction/Interchanges - Zoned	0	Ha.
e	Properties (See attached breakdown)	0	Item
Total Base Cost for Land and Property			3,794,335.40
Add Project Specific Risk Contingency			5 % 189,716.77
Total L&P Base Cost plus Project Specific Risk Contingency			3,984,052.17
3	Planning and Design		
Phase 1 to 4 Design Consultancy Costs (based on recent similar scheme costs) Incl VAT			1,906,500.00
Phase 5 Design Consultancy Costs (based on recent similar scheme costs) Incl VAT			922,500.00
Investigative Survey Costs (based on recent similar scheme costs) Incl VAT			450,000.00
Add Project Specific Risk Contingency			15 % 491,850.00
Total P&D Base Cost plus Project Specific Risk Contingency			3,770,850.00
4	Archaeology		
Provision to take account of Actual Costs and Contract Amounts where known			2,281,350.00
Add Project Specific Risk Contingency			10 % 228,135.00
Total Archaeology Base Cost plus Project Specific Risk Contingency and VAT			2,509,485.00
5	Enabling Works and Other Contracts		
Based on €0.25m per km of offline and/or un-upgraded route			1,362,000.00
Add Project Specific Risk Contingency			10 % 136,200.00
Total Enabling Works and Other Contracts Base Cost plus Project Specific Risk Contingency			1,498,200.00
6	Main Contract Supervision (Employer's Costs)		
Based on 6% of Main Construction Cost			2,784,260.84
Add Project Specific Risk Contingency			15 % 417,639.13
Total MC Supervision (Employer's Costs) Base Cost plus Project Specific Risk Contingency			3,201,899.97
7	Walking / Cycling / PT Connectivity / Asset Renewal		
Provision 2% of Main Construction Cost for Asset Renewal (only applicable for sections of old road retained)			523,918.62
Percent for Art (projects >€50,000,000) = approx €500,000			500,000.00
Active Travel Costs			653,190.59
Add Project Specific Risk Contingency			5 % 83,855.46
Total Walking / Cycling / PT Connectivity / Asset Renewal Base Cost plus Project Specific Risk Contingency			1,760,964.67
TOTAL LEVEL 2 ESTIMATE INCLUSIVE OF VAT			65,968,764.31
Mainline Length		8.100 km	Rate per km 8,144,291.89
<p>N.B. Figures above are INCLUSIVE of VAT - VAT rates utilised are : { PLEASE INSERT RATES HERE FOR EACH COST HEADING }</p> <p>Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.</p> <p>Total base costs to include for ALL qualifying costs under each cost heading.</p> <p>Refer to the TII Cost Management Manual for information on coverage and format of back-up.</p> <p>See attached Estimate Assumptions Sheet for Further Project Information.</p>			

N52 Tullamore to Kilbeggan - Combination Option 2-3 [Type 3 Dual]				03/02/2023	
Phase 2 Option Selection - Stage 2 Project Appraisal			INSERT BASE DATE FOR RATES		April 2021
Technical Advisor - RPS		Estimator - AJ	PM - MC		
1	Main Construction Contract (See attached for breakdown presented to Level 2 detail)				Total €
a	Site Clearance				143,650.20
b	Fencing				620,722.30
c	Safety Barriers and Pedestrian Guardrails				2,213,062.50
d	Drainage and Service Ducts				3,964,136.47
e	Earthworks				2,375,869.31
f	Pavement				6,635,572.51
g	Kerbs, Footways and Paved Areas				0.00
h	Traffic Signs				344,198.32
j	Roadmarking				179,470.81
k	Lighting and Electrical				347,279.24
l	Landscaping and Environmental				2,241,588.17
m	Structures (Including Tunnels - to be separately identified)				8,075,750.00
n	Accommodation Works				258,560.51
p	Statutory Authorities & Utilities				1,732,601.99
q	Other Costs				0.00
r	Preliminaries				5,243,843.22
Total Base Cost for Main Construction Contract (Excluding VAT)					34,376,305.54
Add Project Specific Risk Contingency					15 % 5,156,445.83
Sub-Total exclusive of VAT					39,532,751.37
Add VAT at					13.5 % 5,336,921.43
Total MCC Base Cost plus Project Specific Risk Contingency and VAT					44,869,672.81
2	Land and Property - All-In Costs				
		Quantity	Unit	Rate €	
a	Mainline and Link Roads - Agricultural	26.4426	Ha.	128,200.00	3,389,941.32
b	Mainline and Link Roads - Zoned/Other	0.031	Ha.	512,800.00	15,896.80
c	Junction/Interchanges - Agricultural	0	Ha.		0.00
d	Junction/Interchanges - Zoned	0	Ha.		0.00
e	Properties (See attached breakdown)	0	Item		0.00
Total Base Cost for Land and Property					3,405,838.12
Add Project Specific Risk Contingency					5 % 170,291.91
Total L&P Base Cost plus Project Specific Risk Contingency					3,576,130.03
3	Planning and Design				
Phase 1 to 4 Design Consultancy Costs (based on recent similar scheme costs) Incl VAT					1,906,500.00
Phase 5 Design Consultancy Costs (based on recent similar scheme costs) Incl VAT					922,500.00
Investigative Survey Costs (based on recent similar scheme costs) Incl VAT					450,000.00
Add Project Specific Risk Contingency					15 % 491,850.00
Total P&D Base Cost plus Project Specific Risk Contingency					3,770,850.00
4	Archaeology				
Provision to take account of Actual Costs and Contract Amounts where known					2,281,350.00
Add Project Specific Risk Contingency					10 % 228,135.00
Total Archaeology Base Cost plus Project Specific Risk Contingency and VAT					2,509,485.00
5	Enabling Works and Other Contracts				
Based on €0.25m per km of offline and/or un-upgraded route					1,362,000.00
Add Project Specific Risk Contingency					10 % 136,200.00
Total Enabling Works and Other Contracts Base Cost plus Project Specific Risk Contingency					1,498,200.00
6	Main Contract Supervision (Employer's Costs)				
Based on 6% of Main Construction Cost					2,536,971.35
Add Project Specific Risk Contingency					15 % 380,545.70
Total MC Supervision (Employer's Costs) Base Cost plus Project Specific Risk Contingency					2,917,517.05
7	Walking / Cycling / PT Connectivity / Asset Renewal				
Provision 2% of Main Construction Cost for Asset Renewal (only applicable for sections of old road retained)					477,385.78
Percent for Art (projects >€50,000,000) = approx €500,000					500,000.00
Active Travel Costs					595,176.21
Add Project Specific Risk Contingency					5 % 78,628.10
Total Walking / Cycling / PT Connectivity / Asset Renewal Base Cost plus Project Specific Risk Contingency					1,651,190.08
TOTAL LEVEL 2 ESTIMATE INCLUSIVE OF VAT					60,793,044.96
Mainline Length		8.100	km	Rate per km	7,505,314.19
<p>N.B. Figures above are INCLUSIVE of VAT - VAT rates utilised are : { PLEASE INSERT RATES HERE FOR EACH COST HEADING }</p> <p>Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.</p> <p>Total base costs to include for ALL qualifying costs under each cost heading.</p> <p>Refer to the TII Cost Management Manual for information on coverage and format of back-up.</p> <p>See attached Estimate Assumptions Sheet for Further Project Information.</p>					

Technical Advisor - RPS		Estimator - AJ		PM - MC	
1 Main Construction Contract (See attached for breakdown presented to Level 2 detail)					
					Total €
a	Site Clearance				127,644.90
b	Fencing				717,293.50
c	Safety Barriers and Pedestrian Guardrails				971,655.15
d	Drainage and Service Ducts				3,830,379.03
e	Earthworks				3,296,867.78
f	Pavement				9,078,693.29
g	Kerbs, Footways and Paved Areas				0.00
h	Traffic Signs				335,657.10
j	Roadmarking				175,017.27
k	Lighting and Electrical				338,661.57
l	Landscaping and Environmental				2,185,963.57
m	Structures (Including Tunnels - to be separately identified)				8,289,750.00
n	Accommodation Works				252,144.37
p	Statutory Authorities & Utilities				1,689,607.79
q	Other Costs				0.00
r	Preliminaries				5,632,080.36
Total Base Cost for Main Construction Contract (Excluding VAT)					36,921,415.69
Add Project Specific Risk Contingency				15 %	5,538,212.35
Sub-Total exclusive of VAT					42,459,628.05
Add VAT at				13.5 %	5,732,049.79
Total MCC Base Cost plus Project Specific Risk Contingency and VAT					48,191,677.83
2 Land and Property - All-In Costs					
		Quantity	Unit	Rate €	
a	Mainline and Link Roads - Agricultural	29.6573	Ha.	128,200.00	3,802,065.86
b	Mainline and Link Roads - Zoned/Other	0.0329	Ha.	512,800.00	16,871.12
c	Junction/Interchanges - Agricultural	0	Ha.		0.00
d	Junction/Interchanges - Zoned	0	Ha.		0.00
e	Properties (See attached breakdown)	0	Item		0.00
Total Base Cost for Land and Property					3,818,936.98
Add Project Specific Risk Contingency				5 %	1,909,468.49
Total L&P Base Cost plus Project Specific Risk Contingency					5,728,405.47
3 Planning and Design					
Phase 1 to 4 Design Consultancy Costs (based on recent similar scheme costs) Incl VAT					1,906,500.00
Phase 5 Design Consultancy Costs (based on recent similar scheme costs) Incl VAT					922,500.00
Investigative Survey Costs (based on recent similar scheme costs) Incl VAT					450,000.00
Add Project Specific Risk Contingency				15 %	491,850.00
Total P&D Base Cost plus Project Specific Risk Contingency					3,770,850.00
4 Archaeology					
Provision to take account of Actual Costs and Contract Amounts where known					2,996,173.00
Add Project Specific Risk Contingency				10 %	299,617.30
Total Archaeology Base Cost plus Project Specific Risk Contingency and VAT					3,295,790.30
5 Enabling Works and Other Contracts					
Based on €0.25m per km of offline and/or un-upgraded route					1,816,000.00
Add Project Specific Risk Contingency				10 %	181,600.00
Total Enabling Works and Other Contracts Base Cost plus Project Specific Risk Contingency					1,997,600.00
6 Main Contract Supervision (Employer's Costs)					
Based on 6% of Main Construction Cost					2,724,800.48
Add Project Specific Risk Contingency				15 %	408,720.07
Total MC Supervision (Employer's Costs) Base Cost plus Project Specific Risk Contingency					3,133,520.55
7 Walking / Cycling / PT Connectivity / Asset Renewal					
Provision 2% of Main Construction Cost for Asset Renewal (only applicable for sections of old road retained)					690,311.89
Percent for Art (projects >€50,000,000) = approx €500,000					500,000.00
Active Travel Costs					639,241.12
Add Project Specific Risk Contingency				5 %	91,477.65
Total Walking / Cycling / PT Connectivity / Asset Renewal Base Cost plus Project Specific Risk Contingency					1,921,030.66
TOTAL LEVEL 2 ESTIMATE INCLUSIVE OF VAT					68,038,874.81
Mainline Length		7.899	km	Rate per km	8,613,606.13
<p>N.B. Figures above are INCLUSIVE of VAT - VAT rates utilised are : { PLEASE INSERT RATES HERE FOR EACH COST HEADING }</p> <p>Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.</p> <p>Total base costs to include for ALL qualifying costs under each cost heading.</p> <p>Refer to the TII Cost Management Manual for information on coverage and format of back-up.</p> <p>See attached Estimate Assumptions Sheet for Further Project Information.</p>					

Technical Advisor - RPS		Estimator - AJ		PM - MC	
1	Main Construction Contract (See attached for breakdown presented to Level 2 detail)				Total €
	a Site Clearance				119,376.30
	b Fencing				616,869.00
	c Safety Barriers and Pedestrian Guardrails				2,190,905.05
	d Drainage and Service Ducts				3,851,343.36
	e Earthworks				3,324,135.99
	f Pavement				9,974,059.58
	g Kerbs, Footways and Paved Areas				0.00
	h Traffic Signs				343,560.92
	j Roadmarking				179,138.46
	k Lighting and Electrical				346,636.13
	l Landscaping and Environmental				2,237,437.08
	m Structures (Including Tunnels - to be separately identified)				7,755,750.00
	n Accommodation Works				258,081.69
	p Statutory Authorities & Utilities				1,729,393.47
	q Other Costs				0.00
	r Preliminaries				5,926,803.66
Total Base Cost for Main Construction Contract (Excluding VAT)					38,853,490.67
Add Project Specific Risk Contingency				15%	5,828,023.60
Sub-Total exclusive of VAT					44,681,514.28
Add VAT at				13.5%	6,032,004.43
Total MCC Base Cost plus Project Specific Risk Contingency and VAT					50,713,518.70
2	Land and Property - All-In Costs	Quantity	Unit	Rate €	
	a Mainline and Link Roads - Agricultural	34,6441	Ha.	128,200.00	4,441,373.62
	b Mainline and Link Roads - Zoned/Other	0	Ha.	512,800.00	0.00
	c Junction/Interchanges - Agricultural	0	Ha.		0.00
	d Junction/Interchanges - Zoned	0	Ha.		0.00
	e Properties (See attached breakdown)	0	Item		0.00
Total Base Cost for Land and Property					4,441,373.62
Add Project Specific Risk Contingency				5%	222,068.68
Total L&P Base Cost plus Project Specific Risk Contingency					4,663,442.30
3	Planning and Design				
	Phase 1 to 4 Design Consultancy Costs (based on recent similar scheme costs) Incl VAT				1,906,500.00
	Phase 5 Design Consultancy Costs (based on recent similar scheme costs) Incl VAT				922,500.00
	Investigative Survey Costs (based on recent similar scheme costs) Incl VAT				450,000.00
Add Project Specific Risk Contingency				15%	491,850.00
Total P&D Base Cost plus Project Specific Risk Contingency					3,770,850.00
4	Archaeology				
	Provision to take account of Actual Costs and Contract Amounts where known				3,755,148.00
Add Project Specific Risk Contingency				10%	375,514.80
Total Archaeology Base Cost plus Project Specific Risk Contingency and VAT					4,130,662.80
5	Enabling Works and Other Contracts				
	Based on €0.25m per km of offline and/or un-upgraded route				2,128,125.00
Add Project Specific Risk Contingency				10%	212,812.50
Total Enabling Works and Other Contracts Base Cost plus Project Specific Risk Contingency					2,340,937.50
6	Main Contract Supervision (Employer's Costs)				
	Based on 6% of Main Construction Cost				2,867,387.61
Add Project Specific Risk Contingency				15%	430,108.14
Total MC Supervision (Employer's Costs) Base Cost plus Project Specific Risk Contingency					3,297,495.75
7	Walking / Cycling / PT Connectivity / Asset Renewal				
	Provision 2% of Main Construction Cost for Asset Renewal (only applicable for sections of old road retained)				821,273.66
	Percent for Art (projects >€50,000,000) = approx €500,000				500,000.00
	Active Travel Costs				672,692.22
Add Project Specific Risk Contingency				5%	99,698.29
Total Walking / Cycling / PT Connectivity / Asset Renewal Base Cost plus Project Specific Risk Contingency					2,093,664.17
TOTAL LEVEL 2 ESTIMATE INCLUSIVE OF VAT					71,010,571.22
	Mainline Length	8.085	km	Rate per km	8,783,002.01
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.				

N52 Tullamore to Kilbeggan Option 5		03/02/2023		
Phase 2 Option Selection - Stage 2 Project Appraisal		INSERT BASE DATE FOR RATES		April 2021
Technical Advisor - RPS		Estimator - AJ		PM - MC
1	Main Construction Contract (See attached for breakdown presented to Level 2 detail)			Total €
a	Site Clearance			132,924.60
b	Fencing			717,293.50
c	Safety Barriers and Pedestrian Guardrails			2,295,522.55
d	Drainage and Service Ducts			3,606,043.64
e	Earthworks			4,011,410.29
f	Pavement			8,491,477.51
g	Kerbs, Footways and Paved Areas			0.00
h	Traffic Signs			342,201.12
j	Roadmarking			178,429.44
k	Lighting and Electrical			345,264.16
l	Landscaping and Environmental			2,228,581.42
m	Structures (Including Tunnels - to be separately identified)			9,369,625.00
n	Accommodation Works			257,060.22
p	Statutory Authorities & Utilities			1,722,548.62
q	Other Costs			0.00
r	Preliminaries			6,065,708.77
Total Base Cost for Main Construction Contract (Excluding VAT)				39,764,090.83
Add Project Specific Risk Contingency			15 %	5,964,613.62
Sub-Total exclusive of VAT				45,728,704.45
Add VAT at			13.5 %	6,173,375.10
Total MCC Base Cost plus Project Specific Risk Contingency and VAT				51,902,079.55
2	Land and Property - All-In Costs	Quantity	Unit	Rate €
a	Mainline and Link Roads - Agricultural	29.872	Ha.	128,200.00
b	Mainline and Link Roads - Zoned/Other	0.0483	Ha.	512,800.00
c	Junction/Interchanges - Agricultural	0	Ha.	0.00
d	Junction/Interchanges - Zoned	0	Ha.	0.00
e	Properties (See attached breakdown)	0	Item	0.00
Total Base Cost for Land and Property				3,854,358.64
Add Project Specific Risk Contingency			5 %	192,717.93
Total L&P Base Cost plus Project Specific Risk Contingency				4,047,076.57
3	Planning and Design			
Phase 1 to 4 Design Consultancy Costs (based on recent similar scheme costs) Incl VAT				1,906,500.00
Phase 5 Design Consultancy Costs (based on recent similar scheme costs) Incl VAT				922,500.00
Investigative Survey Costs (based on recent similar scheme costs) Incl VAT				450,000.00
Add Project Specific Risk Contingency			15 %	491,850.00
Total P&D Base Cost plus Project Specific Risk Contingency				3,770,850.00
4	Archaeology			
Provision to take account of Actual Costs and Contract Amounts where known				2,772,465.00
Add Project Specific Risk Contingency			10 %	277,246.50
Total Archaeology Base Cost plus Project Specific Risk Contingency and VAT				3,049,711.50
5	Enabling Works and Other Contracts			
Based on €0.25m per km of offline and/or un-upgraded route				1,518,062.50
Add Project Specific Risk Contingency			10 %	151,806.25
Total Enabling Works and Other Contracts Base Cost plus Project Specific Risk Contingency				1,669,868.75
6	Main Contract Supervision (Employer's Costs)			
Based on 6% of Main Construction Cost				2,934,589.90
Add Project Specific Risk Contingency			15 %	440,188.49
Total MC Supervision (Employer's Costs) Base Cost plus Project Specific Risk Contingency				3,374,778.39
7	Walking / Cycling / PT Connectivity / Asset Renewal			
Provision 2% of Main Construction Cost for Asset Renewal (only applicable for sections of old road retained)				615,603.80
Percent for Art (projects >€50,000,000) = approx €500,000				500,000.00
Active Travel Costs				688,457.95
Add Project Specific Risk Contingency			5 %	90,203.09
Total Walking / Cycling / PT Connectivity / Asset Renewal Base Cost plus Project Specific Risk Contingency				1,894,264.83
TOTAL LEVEL 2 ESTIMATE INCLUSIVE OF VAT				69,708,629.59
Mainline Length		8.053	km	Rate per km
				8,656,231.17
<p>N.B. Figures above are INCLUSIVE of VAT - VAT rates utilised are : { PLEASE INSERT RATES HERE FOR EACH COST HEADING }</p> <p>Figures above are EXCLUSIVE of provision for Inflation - base date to be stated if different from date of estimate.</p> <p>Total base costs to include for ALL qualifying costs under each cost heading.</p> <p>Refer to the TII Cost Management Manual for information on coverage and format of back-up.</p> <p>See attached Estimate Assumptions Sheet for Further Project Information.</p>				