

# Project Cost Plan

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## St Austell Link Road

for

## Cornwall Council

Project Nr 35352

Revision Nr: C

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Signed:

Reviewed: Stuart Wilkinson

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# Project Cost Plan

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## Sign Off

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*A cost plan is not a tender but an estimate of the likely out-turn cost of the project. It is created by analysing all project information available at a given time and it is intended to be a control tool for the design and procurement of the works.*

*The following cost plan summarises the project scope intended during this stage of the design process. It reflects the quality and quantity to be achieved or maintained at the next stage.*

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## Signed

_____	_____	_____	_____
for and on behalf of Mace Cost Consultancy Limited	Date	for and on behalf of the Architect	Date
_____	_____	_____	_____
for and on behalf of the Project Manager	Date	for and on behalf of the Services Engineer	Date
_____	_____	_____	_____
for and on behalf of the Client	Date	for and on behalf of the Structural Engineer	Date

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All figures are in £ and exclude VAT

### Introduction

This cost plan has been produced for Cornwall Council on the proposed A30 to St Austell Link Road development situated in St Austell, Cornwall.

### Information Used

Tender Deliverables Register P08 Issued 21.03.19

### Assumptions

A continual programme with free and uninterrupted access

24 month programme starting 1Q20 and completing 1Q22.

Inflation calculation has been derived using a mix of BCIS cost data and Mace Q1 Tender Price Forecast

Cut material is of sufficient quality to re-use without treatment

Minimal traffic management considerations on the scheme

Japanese Knotweed treatment has been allowed for up to a depth not exceeding 1m

50% of Haul roads are required to be removed from site, the rest will be spread on site.

Type 4 temporary fencing is to remain post completion

Earthwork quantities based on a Earthworks Volume model supplied by the design team.

All material off site that is of mineral quality will be taken and not required of to be disposed of (Imerys)

From material generated in excavation, the contractor will receive the surplus needed and the disposal will not attract landfill tax.

Earthworks based on a large scale operation with large earth removing plant.

A competitive form of tender is used

A 3% risk allowance on the measured works has been included

Excavation in rock doesn't exceed allowances contained herein

No engineering technical solution required for soil stabilisation

It is assumed the Contractor will achieve 60% to 70% of the available KPIs

### Exclusions

VAT has been excluded from this estimate and specialist tax advice should be sought

Client held contingency

Inflation past a mid-point of construction of 2Q21

No allowance for any implications of working adjacent to Imery's land or costs associated with any agreements.

*All figures are in £ and exclude VAT*

## Report Commentary

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No allowance for blasting to overhead towers  
Any costs associated with planning discharge  
No allowance for removing existing services unless specifically stated  
Professional fees other than contractor design fees and pre-construction services agreement  
Land purchases and any associated costs  
Cornwall Council direct expenditure  
Any accommodation works not identified in the 'information used'  
Out of hours working

### Opportunities

Imerys or local aggregate firm to reclaim more than 50% or a purchase rebate set up for return of material - £250k  
Landscaping has been review in detail and prices obtained but we note this has been priced on the assumption of landscaping commencing at the end of the project. It is probable the contractor would start the landscaping in the first spring following earthworks and 10% of trees and woodland costs could be reduced. - £500k

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## Executive Summary

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The total cost plan for this project is summarised as follows:

Title	Cost Plan Value
St Austell to A30 Link Road Measured Works	52,970,378
Inflation to mid-point of Construction at 5%	2,648,519
Main Contractor's OHP @ 10%	5,561,890
Main Contractor Risk @ 3% on measured works	1,589,111
KPI Projected Payment Incentive	350,000
<b>Total of all £</b>	<b><u>63,119,898</u></b>

All figures are in £ and exclude VAT

# Project Cost Plan

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## Element Groups: St Austell to A30 Link Road Measured Works

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Element	Element / Classification	Totals	%
A	SERIES 100 - PRELIMINARIES	9,946,652	18.78
B	SERIES 200 - SITE CLEARANCE	237,400	0.45
C	SERIES 300 - FENCING	311,031	0.58
D	SERIES 400 - ROAD RESTRAINT SYSTEMS (VEHICLE AND PEDESTRIAN)	193,649	0.37
E	SERIES 500 - DRAINAGE AND SERVICE DUCTS	5,131,191	9.69
F	SERIES 600 - EARTHWORKS	14,310,328	27.01
G	SERIES 700 - PAVEMENTS	8,493,681	16.04
H	SERIES 1100 - KERBS, FOOTWAYS AND PAVED AREAS	1,458,968	2.75
I	SERIES 1200 - TRAFFIC SIGNS AND ROAD MARKINGS	293,653	0.55
K	SERIES 1300 - ROAD LIGHTING COLUMNS AND BRACKETS, CCTV MAST	26,900	0.06
L	SERIES 1400 - ELECTRICAL WORK FOR ROAD LIGHTING AND TRAFFIC	52,750	0.10
V	SERIES 2400 - BRICKWORK, BLOCKWORK AND STONEWORK	1,838,220	3.47
W	SERIES 2500 - SPECIAL STRUCTURES	2,240,960	4.23
X	SERIES 2700 - ACCOMMODATION WORKS, WORKS FOR STATUTORY UNDER	1,936,086	3.65
Y	SERIES 3000 - LANDSCAPE AND ECOLOGY	6,498,909	12.27
	<b>Total</b>	<b>52,970,378</b>	<b>100.00</b>

All figures are in £ and exclude VAT

# Project Cost Plan

St Austell Link Road

## Element Sub Groups: St Austell to A30 Link Road Measured Works

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Element	Element / Classification	Totals	% of all
<b>A</b>	<b>SERIES 100 - PRELIMINARIES</b>		
A01	Temporary Accommodation	1,990,044	3.76
A02	Plant	386,400	0.73
A04	Staff	3,861,728	7.29
A06	Traffic Safety and Management	150,000	0.28
A12	Contractor's Preliminaries	3,099,200	5.85
A13	Employer's Preliminaries	459,280	0.87
	<b>Total</b>	<b>9,946,652</b>	<b>18.78</b>
<b>B</b>	<b>SERIES 200 - SITE CLEARANCE</b>		
B01	Site Clearance	231,000	0.44
B02	Take Up or Down and Set Aside for Reuse or Remove to Store	6,400	0.01
	<b>Total</b>	<b>237,400</b>	<b>0.45</b>
<b>C</b>	<b>SERIES 300 - FENCING</b>		
C01	Fencing, Gates and Stiles	311,031	0.59
	<b>Total</b>	<b>311,031</b>	<b>0.59</b>
<b>D</b>	<b>SERIES 400 - ROAD RESTRAINT SYSTEMS (VEHICLE AND PEDESTRIAN)</b>		
D01	Safety Barriers	185,249	0.35
D02	Terminals	8,400	0.02
	<b>Total</b>	<b>193,649</b>	<b>0.37</b>
<b>E</b>	<b>SERIES 500 - DRAINAGE AND SERVICE DUCTS</b>		
E02	Drainage	3,636,500	6.87
E05	Chambers and Gullies	863,915	1.63
E06	Headwalls and Outfall Works	110,250	0.21
E14	Excavation in Hard Material	388,640	0.73
E17	Swales / Attenuation systems	131,886	0.25
	<b>Total</b>	<b>5,131,191</b>	<b>9.69</b>
<b>F</b>	<b>SERIES 600 - EARTHWORKS</b>		
F01	Excavation	3,872,235	7.31

All figures are in £ and exclude VAT



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## Element Sub Groups: St Austell to A30 Link Road Measured Works

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Element	Element / Classification	Quantity	Unit	Rate	Totals	% of all
F02	Excavation in Hard Material				2,727,500	5.15
F04	Deposition of Fill				543,944	1.03
F05	Disposal of Material				5,253,660	9.92
F07	Compaction of Fill				295,800	0.56
F08	Soil Stabilisation				27,568	0.05
F09	Geotextiles				14,500	0.03
F10	Soft Spots and Other Voids				15,000	0.03
F13	Topsoiling and Storage of Topsoil				846,538	1.60
F14	Completion of Formation and Sub-formation				713,583	1.35
	<b>Total</b>				<b>14,310,328</b>	<b>27.03</b>
<b>G</b>	<b>SERIES 700 - PAVEMENTS</b>					
G01	Sub-base				32,320	0.06
G02	Pavement				8,281,361	15.63
G05	Tack coat				180,000	0.34
	<b>Total</b>				<b>8,493,681</b>	<b>16.03</b>
<b>H</b>	<b>SERIES 1100 - KERBS, FOOTWAYS AND PAVED AREAS</b>					
H01	Kerbs, Channels, Edgings and Combined Drainage and Kerb Bloc				205,814	0.39
H04	Footways and Paved Areas				1,253,154	2.37
	<b>Total</b>				<b>1,458,968</b>	<b>2.76</b>
<b>I</b>	<b>SERIES 1200 - TRAFFIC SIGNS AND ROAD MARKINGS</b>					
I01	Traffic Signs				150,875	0.28
I03	Road Markings				102,992	0.19
I04	Road Studs				25,036	0.05
I09	Permanent Bollards				14,750	0.03
	<b>Total</b>				<b>293,653</b>	<b>0.55</b>
<b>K</b>	<b>SERIES 1300 - ROAD LIGHTING COLUMNS AND BRACKETS, CCTV MAST</b>					

All figures are in £ and exclude VAT

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## Element Sub Groups: St Austell to A30 Link Road Measured Works

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Element	Element / Classification	Quantity	Unit	Rate	Totals	% of all
K01	Road Lighting Columns and Brackets and Wall Mountings CCTV M				16,400	0.03
K02	Remove from Store and Re-erect Road Lighting Columns and Bra				10,500	0.02
	<b>Total</b>				<b>26,900</b>	<b>0.05</b>
<b>L</b>	<b>SERIES 1400 - ELECTRICAL WORK FOR ROAD LIGHTING AND TRAFFIC</b>					
L02	Trench for Cable or Duct				37,750	0.07
L03	Cable and Duct				15,000	0.03
	<b>Total</b>				<b>52,750</b>	<b>0.10</b>
<b>V</b>	<b>SERIES 2400 - BRICKWORK, BLOCKWORK AND STONEMWORK</b>					
V02	Blockwork and Stonework				1,838,220	3.47
	<b>Total</b>				<b>1,838,220</b>	<b>3.47</b>
<b>W</b>	<b>SERIES 2500 - SPECIAL STRUCTURES</b>					
W01	Special Structures Designed by the Contractor				2,240,960	4.23
	<b>Total</b>				<b>2,240,960</b>	<b>4.23</b>
<b>X</b>	<b>SERIES 2700 - ACCOMMODATION WORKS, WORKS FOR STATUTORY UNDER</b>					
X01	Accommodation Works, Works for Statutory undertakers				1,936,086	3.66
	<b>Total</b>				<b>1,936,086</b>	<b>3.66</b>
<b>Y</b>	<b>SERIES 3000 - LANDSCAPE AND ECOLOGY</b>					
Y02	Seeding and Turfing				1,289,148	2.43
Y03	Planting				4,570,960	8.63
Y06	Maintenance of Established Trees and Shrubs				638,801	1.21
	<b>Total</b>				<b>6,498,909</b>	<b>12.27</b>

All figures are in £ and exclude VAT

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## Composite Rates: St Austell to A30 Link Road Measured Works

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Element	Element/ Classification	Quantity	Unit	Rate	Totals
<b>A01</b>	<b>Temporary Accommodation</b>				
A0101	Erection				
	Site set up; stoning up, FDNS, ramps and rails	1	Item	60,000.00	60,000
	Site accomodation; assumes 3nr set ups across site (10 cabins including furniture and consumeables)	104	per week	1,400.00	145,600
	Services charges	104	per week	350.00	36,400
	Floodlights and secure fencing	1	Item	30,000.00	30,000
	Haul roads - new temporary construction assumed 10m wide x 500mm dp. Assume £8/t site material, terram and rolled	6,552	m	110.00	720,720
	Haul roads - using existing quarry roads. Allowance for minor traffic management and repair	4,834	m	10.00	48,340
	Haul roads - using existing highway. Allowance for minor traffic management and repair	664	m	10.00	6,640
	Removal of new haul road, disposal off site make good area; assumed 50% required for disposal off site	6,552	m	97.00	635,544
	Allowance for remote oasis units; assume 2 nr	104	per week	300.00	31,200
	Vehicle wash point; 2 nr	104	per week	450.00	46,800
					<b>1,761,244</b>
A0102	Servicing				
	Cleaning	104	per week	750.00	78,000
	Cleaning consumeables	104	per week	200.00	20,800
	Services consumption; water / electric	104	per week	1,250.00	130,000
					<b>228,800</b>
<b>A02</b>	<b>Plant</b>				
A0202	Plant				
	Non allocated plant as per preliminaries book	1	Item	386,400.00	386,400
					<b>386,400</b>
<b>A04</b>	<b>Staff</b>				
A0401	Chainman/Driver				
	2 nr chainmen / drivers	104	per week	1,000.00	104,000
					<b>104,000</b>
A0404	Site Staff				
	Pre-construction services; 12 months	1	Item	936,000.00	936,000
	Site staff and supervision as per preliminaries book	1	Item	2,766,400.00	2,766,400

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## Composite Rates: St Austell to A30 Link Road Measured Works

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Element	Element/ Classification	Quantity	Unit	Rate	Totals
	Subsistence and expenses			0.00	55,328
					<b>3,757,728</b>
<b>A06</b>	<b>Traffic Safety and Management</b>				
A0601	Traffic safety and management				
	Traffic management allowance	1	Item	150,000.00	150,000
					<b>150,000</b>
<b>A12</b>	<b>Contractor's Preliminaries</b>				
A1201	Preliminaries				
	Testing and the like	1	Item	100,000.00	100,000
	Insurances	1	Item	500,000.00	500,000
	Performance bond	1	Item	500,000.00	500,000
	KPI incentivisation costs; apprentices, recycling, document controlling	1	Item	200,000.00	200,000
	Design; full design services	1	Item	1,768,000.00	1,768,000
	Leveling equipment / surveying equipment	104	per week	300.00	31,200
					<b>3,099,200</b>
<b>A13</b>	<b>Employer's Preliminaries</b>				
A1301	Preliminaries				
	Temporary accomodation; suitable for 6 desk spaces including desks, tables, pin boards, welfare	130	per week	1,400.00	182,000
	Service charges	1	Item	15,000.00	15,000
	PPE	104	per week	50.00	5,200
	Samsung tablets	12	nr	1,000.00	12,000
	GPS Video commands & software	3	nr	3,000.00	9,000
	All terrain vehicles; 6 nr including fuel and maintenance	104	per week	2,270.00	236,080
					<b>459,280</b>

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## Composite Rates: St Austell to A30 Link Road Measured Works

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Element	Element/ Classification	Quantity	Unit	Rate	Totals
<b>B01</b>	<b>Site Clearance</b>				
B0101	General site clearance				
	General site clearance	38	Ha	2,000.00	76,000
	Site clearance of hedgerow and significant vegetation	17	Ha	5,000.00	85,000
	Protection to preserved trees	1	Item	10,000.00	10,000
					<b>171,000</b>
B0103	Demolition of building or structure				
	Demolition of building - approx. 56m2; including disposal off site	1	nr	20,000.00	20,000
	Demolition of building - approx. 69m2; including disposal off site	1	nr	30,000.00	30,000
	Demolition of building - approx. 35m2; including disposal off site	1	nr	10,000.00	10,000
					<b>60,000</b>
<b>B02</b>	<b>Take Up or Down and Set Aside for Reuse or Remove to Store</b>				
B0213	Take up or down and set aside for reuse				
	Take down and set aside for reuse - 10m tubular steel column	9	nr	200.00	1,800
	Take down and set aside for reuse - 8m tubular steel column	3	nr	200.00	600
	Remove illuminated bollard and base light unit	8	nr	500.00	4,000
					<b>6,400</b>

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## Composite Rates: St Austell to A30 Link Road Measured Works

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Element	Element/ Classification	Quantity	Unit	Rate	Totals
<b>C01</b>	<b>Fencing, Gates and Stiles</b>				
C0101	Temporary fencing				
	Post and wire fence; H1 - Type 1 fence	17,083	m	12.00	204,996
	E.O allowance for dig in hard material (provisional allowance; 25% of 17,083m @ £25/nr)	1,800	nr	25.00	45,000
	Corral - Post and wire fence; H1 - Type 1 fence	57	m	12.00	684
	Allowance for temporary fencing to accomodation works and the like inc removal on completion	1	nr	5,000.00	5,000
					<b>255,680</b>
C0103	Four rail fencing				
	Post and 4 rail fence	233	m	27.00	6,291
	Gates; double metal 2.4m	4	nr	320.00	1,280
	Gates; lockable with 15m bypass	2	nr	100.00	200
	Gates; bridleway	11	nr	470.00	5,170
					<b>12,941</b>
C0123	Timber				
	Timber stile	7	nr	150.00	1,050
	Timber gate; 3m	88	nr	470.00	41,360
					<b>42,410</b>

All figures are in £ and exclude VAT

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## Composite Rates: St Austell to A30 Link Road Measured Works

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Element	Element/ Classification	Quantity	Unit	Rate	Totals
<b>D01</b>	<b>Safety Barriers</b>				
D0101	Safety Barrier				
	N2 W2 barrier	34	m	33.00	1,122
	N2 W4 barrier	1,458	m	74.00	107,892
	N2 Bridge Parapets	178	m	255.00	45,390
	E.O for posts; assumed 1.5m spacing	995	m	31.00	30,845
					<b>185,249</b>
<b>D02</b>	<b>Terminals</b>				
D0201	Terminal section				
	P4 Terminals	14	nr	600.00	8,400
					<b>8,400</b>

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# Project Cost Plan

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## Composite Rates: St Austell to A30 Link Road Measured Works

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Element	Element/ Classification	Quantity	Unit	Rate	Totals
<b>E02</b>	<b>Drainage</b>				
E0205	225 mm internal diameter				
	HCD Carrier drain or filter drain; 225mm dia.; not exceeding 2m; average depth 1.59m	9,180	m	180.00	1,652,400
	HCD Carrier drain or filter drain; 225mm dia.; exceeding 2m but not exceeding 4m; average depth 2.26m	113	m	220.00	24,860
					<b>1,677,260</b>
E0207	300 mm internal diameter				
	HCD Carrier drain or filter drain; 300mm dia.; not exceeding 2m; average depth 1.67m	3,148	m	210.00	661,080
	HCD Carrier drain or filter drain; 300mm dia.; exceeding 2m but not exceeding 4m; average depth 2.32m	42	m	230.00	9,660
					<b>670,740</b>
E0208	375 mm internal diameter				
	HCD Carrier drain or filter drain; 375mm dia.; not exceeding 2m; average depth 1.72m	1,923	m	225.00	432,675
	HCD Carrier drain or filter drain; 375mm dia.; exceeding 2m but not exceeding 4m; average depth 2.29m	164	m	250.00	41,000
					<b>473,675</b>
E0210	450 mm internal diameter				
	HCD Carrier drain or filter drain; 450mm dia.; not exceeding 2m; average depth 1.67m	689	m	235.00	161,915
	HCD Carrier drain or filter drain; 450mm dia.; exceeding 2m but not exceeding 4m; average depth 2.22m	277	m	260.00	72,020
	HCD Carrier drain or filter drain; 450mm dia.; exceeding 4m but not exceeding 6m; average depth 4.77m	39	m	450.00	17,550
					<b>251,485</b>
E0212	525 mm internal diameter				
	HCD Carrier drain or filter drain; 525mm dia.; exceeding 2m but not exceeding 4m; average depth 2.40m	219	m	400.00	87,600
					<b>87,600</b>
E0213	600 mm internal diameter				
	HCD Carrier drain or filter drain; 600mm dia.; not exceeding 2m; average depth 1.50m	487	m	300.00	146,100
	HCD Carrier drain or filter drain; 600mm dia.; exceeding 2m but not exceeding 4m; average depth 2.11m	76	m	350.00	26,600

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# Project Cost Plan

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## Composite Rates: St Austell to A30 Link Road Measured Works

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Element	Element/ Classification	Quantity	Unit	Rate	Totals
					<b>172,700</b>
E0214	675 mm internal diameter HCD Carrier drain or filter drain; 675mm dia.; not exceeding 2m; average depth 1.74m	37	m	325.00	12,025
					<b>12,025</b>
E0216	750 mm internal diameter HCD Carrier drain or filter drain; 750mm dia.; not exceeding 2m; average depth 1.64m HCD Carrier drain or filter drain; 750mm dia.; exceeding 2m but not exceeding 4m; average depth 2.23m	122 427	m m	350.00 525.00	42,700 224,175
					<b>266,875</b>
E0219	900 mm internal diameter HCD Carrier drain or filter drain; 900mm dia.; exceeding 2m but not exceeding 4m; average depth 2.58m HCD Carrier drain or filter drain; 975mm dia.; not exceeding 2m; average depth 1.79m HCD Carrier drain or filter drain; 975mm dia.; exceeding 2m but not exceeding 4m; average depth 2.48m	15 16 16	m m m	500.00 490.00 550.00	7,500 7,840 8,800
					<b>24,140</b>
<b>E05</b>	<b>Chambers and Gullies</b>				
E0503	Pre-cast concrete chamber type ! Chamber;1050 diameter; exceeding 1m deep but not exceeding 2m Chamber;1050 diameter; exceeding 2m deep but not exceeding 3m Chamber;1200 diameter; not exceeding 1m deep. Chamber;1200 diameter; exceeding 1m deep but not exceeding 2m Chamber;1200 diameter; exceeding 2m deep but not exceeding 3m Chamber;1350 diameter; exceeding 1m deep but not exceeding 2m Chamber;1350 diameter; exceeding 2m deep but not exceeding 3m Chamber;1350 diameter; exceeding 3m deep but not exceeding 4m Chamber;1350 diameter; exceeding 7m deep but not exceeding 8m Chamber;1500 diameter; exceeding 1m deep but not exceeding 2m Chamber; 1800 diameter; not exceeding 1m deep. Chamber; 1800 diameter; exceeding 1m deep but not exceeding 2m Chamber; 1800 diameter; exceeding 2m deep but not exceeding 3m	35 7 9 184 16 45 5 1 1 11 1 8 6	nr nr nr nr nr nr nr nr nr nr nr nr nr	1,400.00 2,000.00 1,350.00 1,750.00 2,200.00 1,800.00 2,300.00 2,550.00 6,500.00 2,400.00 2,200.00 2,750.00 3,250.00	49,000 14,000 12,150 322,000 35,200 81,000 11,500 2,550 6,500 26,400 2,200 22,000 19,500

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## Composite Rates: St Austell to A30 Link Road Measured Works

Project Nr 35352

Element	Element/ Classification	Quantity	Unit	Rate	Totals
	Chamber; 1875 diameter; exceeding 2m deep but not exceeding 3m	1	nr	3,400.00	3,400
					<b>607,400</b>
E0508	Pre-cast concrete trapped gully				
	Gully spurs; 150mm diameter; not exceeding 2m; in trenches.	1,745	m	11.00	19,195
	Road gullies; assumed pre-cast concrete	349	m	680.00	237,320
					<b>256,515</b>
<b>E06</b>	<b>Headwalls and Outfall Works</b>				
E0601	Headwall type !				
	Headwalls; pre-cast concrete	49	nr	2,250.00	110,250
					<b>110,250</b>
<b>E14</b>	<b>Excavation in Hard Material</b>				
E1401	Extra over excavation for excavation in Hard Material in dra				
	Assumed at levels exceeding 2m only	2,776	m <sup>3</sup>	140.00	388,640
					<b>388,640</b>
<b>E17</b>	<b>Swales / Attenuation systems</b>				
E1701	Swales				
	1:2 ditch; 300mm base	581	m <sup>3</sup>	13.00	7,553
	1:3 swale; 500mm base	2,895	m <sup>3</sup>	13.00	37,635
	1:3 swale; 600mm base	2,977	m <sup>3</sup>	13.00	38,701
	1:3 swale; 2200mm base	63	m <sup>3</sup>	13.00	819
	1:4 swale; 500mm base	856	m <sup>3</sup>	13.00	11,128
					<b>95,836</b>
E1702	Attenuation				
	Attenuation tank; 30m x 2.5m x 1.2m; composite item including all groundworks, membranes, crate units, etc.	90	m <sup>3</sup>	220.00	19,800
	Vortex control device hydrobrake or similar	13	nr	1,250.00	16,250
					<b>36,050</b>

All figures are in £ and exclude VAT

# Project Cost Plan

St Austell Link Road

## Composite Rates: St Austell to A30 Link Road Measured Works

Project Nr 35352

Element	Element/ Classification	Quantity	Unit	Rate	Totals
<b>F01</b>	<b>Excavation</b>				
F0101	Excavation of acceptable material				
	Excavation; subsoil	530,947	m³	5.00	2,654,735
	Excavation; ponds	750	m³	10.00	7,500
					<b>2,662,235</b>
F0102	Excavation of unacceptable material				
	Excavation; E.O allowance for localised Japanese Knotweed excavation; infestation to 3m deep; assumed 30% of 22,000m2 area	19,800	m³	15.00	297,000
	Japanese Knotweed; transportation to designated burrial location	1	Item	20,000.00	20,000
	Japanese Knotweed; excavation and burrial of Knotweed in HDPE membrane; 1m fill material cover	19,800	m³	35.00	693,000
	E.O allowance for inefficiencies and extra time taken in working with Japanese Knotweed	1	Item	200,000.00	200,000
					<b>1,210,000</b>
<b>F02</b>	<b>Excavation in Hard Material</b>				
F0201	Extra over excavation for excavating in Hard Material				
	Extra over excavation in hard material; for splitting and blasting as required. Requirements to be established	1	Item	500,000.00	500,000
	Extra over excavation in hard material; motorised scraper and dozer with ripper. Assumed 1 pass required	148,500	m³	15.00	2,227,500
					<b>2,727,500</b>
<b>F04</b>	<b>Deposition of Fill</b>				
F0401	Deposition of acceptable material				
	Deposition of fill	310,825	m³	1.75	543,944
					<b>543,944</b>
<b>F05</b>	<b>Disposal of Material</b>				
F0501	Disposal				
	Transportation of site 1 material to Imery's land	1	Item	50,000.00	50,000
	Disposal of arisings; Muck Away assumed tipping charges apply, non hazardous waste; 220,122m3 in total. 70,000 to Imerys if HoT agreed	150,122	m³	30.00	4,503,660
	Disposal of arisings; to Imerys subject to HoT agreement	70,000	m³	10.00	700,000
					<b>5,253,660</b>
<b>F07</b>	<b>Compaction of Fill</b>				

All figures are in £ and exclude VAT

# Project Cost Plan

St Austell Link Road

## Composite Rates: St Austell to A30 Link Road Measured Works

Project Nr 35352

Element	Element/ Classification	Quantity	Unit	Rate	Totals
F0701	Compaction of acceptable material Compaction of fill	348,000	m³	0.85	295,800 <b>295,800</b>
<b>F08</b>	<b>Soil Stabilisation</b>				
F0801	Soil stabilisation Imerys sand tip to be regraded	3,446	m²	8.00	27,568 <b>27,568</b>
<b>F09</b>	<b>Geotextiles</b>				
F0901	Geotextiles Lining of watercourses (attenuation basins); topsoiling from basin excavation Geotextiles	2,250 1	m³ Item	2.00 10,000.00	4,500 10,000 <b>14,500</b>
<b>F10</b>	<b>Soft Spots and Other Voids</b>				
F1001	Excavation of soft spots and other voids soft spots and other voids	1	Item	15,000.00	15,000 <b>15,000</b>
<b>F13</b>	<b>Topsoiling and Storage of Topsoil</b>				
F1305	Topsoiling Topsoiling Earthworks; taken from stockpile Verge preparation; no topsoil allowance just prep works	109,985 10,825	m³ m³	5.00 2.00	549,925 21,650 <b>571,575</b>
F1306	Permanent storage of topsoil Topsoil strip and stockpile for reuse; motorised scraper	109,985	m³	2.50	274,963 <b>274,963</b>
<b>F14</b>	<b>Completion of Formation and Sub-formation</b>				
F1401	Completion of sub-formation Completion of subformation	377,158	m²	1.50	565,737 <b>565,737</b>
F1402	Completion of formation				

All figures are in £ and exclude VAT

# Project Cost Plan

St Austell Link Road

## Composite Rates: St Austell to A30 Link Road Measured Works

Project Nr 35352

Element	Element/ Classification	Quantity	Unit	Rate	Totals
	Completion of formation	118,277	m <sup>2</sup>	1.25	147,846
					<b>147,846</b>

All figures are in £ and exclude VAT

# Project Cost Plan

St Austell Link Road

## Composite Rates: St Austell to A30 Link Road Measured Works

Project Nr 35352

Element	Element/ Classification	Quantity	Unit	Rate	Totals
<b>G01</b>	<b>Sub-base</b>				
G0101	Type 1 unbound mixture sub-base Pavement Option 1 - SB2	808	m³	40.00	32,320
					<b>32,320</b>
<b>G02</b>	<b>Pavement</b>				
G0212	Dense bitumen macadam (DBM50)				
	Pavement Option 1 - SMA2, 40mm thk	4,039	m²	14.00	56,546
	Pavement Option 2 - SMA1, 40mm thk	58,879	m²	11.00	647,669
	Pavement Option 3 - SMA1, 40mm thk	12,079	m²	11.00	132,869
	Pavement Option 4 - SMA1, 40mm thk	5,351	m²	11.00	58,861
	Pavement Option 5 - SMA1, 40mm thk	1,671	m²	11.00	18,381
	Pavement Option 6 - SMA1, 40mm thk	3,063	m²	11.00	33,693
	Pavement Option 7 - SMA1, 40mm thk	2,893	m²	11.00	31,823
	Pavement Option 8 - SMA1, 40mm thk	12,850	m²	11.00	141,350
	Pavement Option 9 - SMA1, 40mm thk	1,116	m²	11.00	12,276
	Pavement Option 10 - SMA1, 40mm thk	2,892	m²	11.00	31,812
	Pavement Option 11 - SMA1, 40mm thk	2,513	m²	11.00	27,643
	Pavement Option 12 - SMA1, 40mm thk	947	m²	11.00	10,417
	Pavement Option 1 - BC2, 60 mm thk	4,039	m²	17.20	69,471
	Pavement Option 2 - BC1, 60mm thk	58,879	m²	21.10	1,242,347
	Pavement Option 3 - BC1, 90mm thk	12,079	m²	21.10	254,867
	Pavement Option 4 - BC1, 90mm thk	5,351	m²	21.10	112,906
	Pavement Option 5 - BC1, 90mm thk	1,671	m²	21.10	35,258
	Pavement Option 6 - BC1, 90mm thk	3,063	m²	21.10	64,629
	Pavement Option 7 - BC1, 90mm thk	2,893	m²	17.20	49,760
	Pavement Option 8 - BC1, 90mm thk	12,850	m²	21.10	271,135
	Pavement Option 9 - BC1, 60mm thk	1,116	m²	17.20	19,195
	Pavement Option 10 - BC1, 90mm thk	2,892	m²	20.20	58,418
	Pavement Option 11 - BC1, 80mm thk	2,513	m²	19.30	48,501
	Pavement Option 12 - RC1, 80mm thk	947	m²	20.00	18,940
	Extra over HFS - roundabouts and approaches	3,643	m²	22.00	80,146

All figures are in £ and exclude VAT

# Project Cost Plan

St Austell Link Road

## Composite Rates: St Austell to A30 Link Road Measured Works

Project Nr 35352

Element	Element/ Classification	Quantity	Unit	Rate	Totals
					<b>3,528,913</b>
G0225	Gravel Bed Pavement Option 13 - Gravel bed; 350-450mm	339	m <sup>2</sup>	28.00	9,492
					<b>9,492</b>
G0228	Pavement comprising Unreinforced concrete slab * thick Accommodation access track; , 150mm thick ST4 concrete, 150mm thick Type 1 granular sub-base material SHW Cl.803	628	m <sup>2</sup>	26.00	16,328
					<b>16,328</b>
G0229	Pavement comprising Continuously reinforced concrete slab * Accommodation access track; 150mm thick reinforced ST4 concrete, 150mm thick Type 1 granular sub-base material SHW Cl. 803	10,419	m <sup>2</sup>	31.00	322,989
					<b>322,989</b>
G0230	Base Pavement Option 1; BA2, 150mm thk Pavement Option 2; BA1, 170mm thk Pavement Option 3; BA1, 200mm thk Pavement Option 4; BA1, 230mm thk Pavement Option 5; BA1, 190mm thk Pavement Option 6; BA1, 160mm thk Pavement Option 7; BA1, 100mm thk Pavement Option 8; BA1, 180mm thk Pavement Option 9; BA1, 120mm thk Pavement Option 10; BA1, 180mm thk Accommodation access track; 300mm thick SHW class 6F2 material Accommodation track; 50mm thick SMA14(100/150), 60mm thick AC 20 dense binder (100/150), 150mm thick AC 32 dense base (100/150), 150mm thick type 1 granular sub-base material SHW Cl.803	4,039 58,879 12,079 5,351 1,671 3,063 2,893 12,850 1,116 2,892 2,481 987	m <sup>2</sup> m <sup>2</sup> m <sup>2</sup> m <sup>2</sup> m <sup>2</sup> m <sup>2</sup> m <sup>2</sup> m <sup>2</sup> m <sup>2</sup> m <sup>2</sup> m <sup>2</sup> m <sup>2</sup>	30.00 32.00 35.00 38.00 36.00 31.00 22.00 34.00 25.00 35.00 9.00 62.00	121,170 1,884,128 422,765 203,338 60,156 94,953 63,646 436,900 27,900 101,220 22,329 61,194
					<b>3,499,699</b>
G0231	Lower base Pavement Option 1 - Sub-base; SB2 Pavement Option 2 - Sub-base; SB1	808 11,776	m <sup>3</sup> m <sup>3</sup>	40.00 40.00	32,320 471,040

All figures are in £ and exclude VAT

# Project Cost Plan

St Austell Link Road

## Composite Rates: St Austell to A30 Link Road Measured Works

Project Nr 35352

Element	Element/ Classification	Quantity	Unit	Rate	Totals
	Pavement Option 3 - Sub-base	2,416	m <sup>3</sup>	40.00	96,640
	Pavement Option 4 - Sub-base	1,070	m <sup>3</sup>	40.00	42,800
	Pavement Option 5 - Sub-base	334	m <sup>3</sup>	40.00	13,360
	Pavement Option 6 - Sub-base	613	m <sup>3</sup>	40.00	24,520
	Pavement Option 7 - Sub-base	579	m <sup>3</sup>	40.00	23,160
	Pavement Option 8 - Sub-base	2,570	m <sup>3</sup>	40.00	102,800
	Pavement Option 9 - Sub-base	223	m <sup>3</sup>	40.00	8,920
	Pavement Option 10 - Sub-base	578	m <sup>3</sup>	40.00	23,120
	Pavement Option 11 - Concrete	502	m <sup>3</sup>	130.00	65,260
					<b>903,940</b>
<b>G05</b>	<b>Tack coat</b>				
G0501	Tack coat				
	Tack coat	200,000	m <sup>2</sup>	0.90	180,000
					<b>180,000</b>

All figures are in £ and exclude VAT



# Project Cost Plan

St Austell Link Road

## Composite Rates: St Austell to A30 Link Road Measured Works

Project Nr 35352

Element	Element/ Classification	Quantity	Unit	Rate	Totals
<b>H01</b>	<b>Kerbs, Channels, Edgings and Combined Drainage and Kerb Bloc</b>				
H0136	Kerbs				
	Kerbs, HB2 - straight; assumed 125 x 255mm	2,801	m <sup>2</sup>	19.00	53,219
	Kerbs, HB2 - radius; assumed 125 x 225mm	549	m	19.00	10,431
	Kerbs, BN3	312	m <sup>2</sup>	18.00	5,616
	Kerbs, Quadrant; assumed 305 x 305 x 150mm	72	nr	24.00	1,728
	Kerbs, SP1 - straight	750	m	24.00	18,000
	Kerbs, transition	108	nr	75.00	8,100
					<b>97,094</b>
H0138	Edgings				
	Edging Kerbs - straight	5,325	m	8.00	42,600
	Edging Kerbs - radius	258	m	8.00	2,064
	Timber edging	10,676	m	6.00	64,056
					<b>108,720</b>
<b>H04</b>	<b>Footways and Paved Areas</b>				
H0401	Footway				
	Bituminious Footway to CC HCD 11/107. Width generally 2m. (including sub-base)	2,151	m <sup>2</sup>	38.00	81,738
	Bituminious bridleway to Cc HCD 11/107. Width 3m. (including sub-base)	16,902	m <sup>2</sup>	38.00	642,276
	Bituminious cycle track to CC HCD 11/107 between 2.5 and 3m. (including sub-base)	4,121	m <sup>2</sup>	38.00	156,598
	Grass surfaced bridleway to CC HCD 70/27. Width 2m. (including sub-base)	8,261	m <sup>2</sup>	30.00	247,830
	Surface dressed path to CC HCD 70/27/ Width 2m. (including sub-base)	3,154	m <sup>2</sup>	18.00	56,772
	Tactile paving. 50mm thick concrete tiles, 35mm thick mortar bedding. (including sub-base)	316	m <sup>2</sup>	90.00	28,440
	Traffic island, 150mm thick ST5 concrete. (including sub-base)	790	m <sup>2</sup>	50.00	39,500
					<b>1,253,154</b>

All figures are in £ and exclude VAT

# Project Cost Plan

St Austell Link Road

## Composite Rates: St Austell to A30 Link Road Measured Works

Project Nr 35352

Element	Element/ Classification	Quantity	Unit	Rate	Totals
<b>I01</b>	<b>Traffic Signs</b>				
I0101	Permanent				
	Signage to be adapted on existing road	1	Item	50,000.00	50,000
	Signage; single post with plate, > 2.5m	11	nr	250.00	2,750
	Signage; single post info / hazard, > 3.0m	121	nr	300.00	36,300
	Signage; single post info / hazard, > 4.0m	5	nr	325.00	1,625
	Signage; double post directional, > 2.5m	74	nr	400.00	29,600
	Signage; double post interchange, > 2.5m	2	nr	425.00	850
	Signage; double post interchange, > 2.5m	28	nr	600.00	16,800
	Signage; 3 / 4 post interchange, > 2.5m	5	nr	1,200.00	6,000
	Signage; small sign, no post	103	nr	50.00	5,150
	Signage; large sign, no post	18	nr	100.00	1,800
					<b>150,875</b>
<b>I03</b>	<b>Road Markings</b>				
I0301	Solid area				
	Road surface pre clean	1	Item	10,000.00	10,000
	1012.1 Thermoplastic - 100mm continuous edge line	727	m	2.00	1,454
	1012.1 Thermoplastic - 150mm continuous edge line	1,960	m	2.50	4,900
	1012.3 Thermoplastic - 150mm continuous ribline	11,873	m	4.00	47,492
	1014 Thermoplastic - 6m Arrow, carriageway	10	nr	35.00	350
	1059.R1 Thermoplastic - 1m Arrow, cycle route	10	nr	10.00	100
	1005.1 Thermoplastic - Centre line, 2 + 7 x 0.1	583	m	3.00	1,749
	1008.1 Thermoplastic - Centre line, 3 + 6 x 0.15	185	m	3.50	648
	1004 Thermoplastic - Centre line, 4 + 2 x 0.1	1,110	m	2.00	2,220
	1004.1 Thermoplastic - Centre line, 6 + 3 x 0.1	3,090	m	2.00	6,180
	1004.1 Thermoplastic - Centre line, 6 + 3 x 0.15	320	m	2.00	640
	1013.1 Thermoplastic - Centre line, double solid, 0.15	6,982	m	3.00	20,946
	1009B Thermoplastic - Cycle GW dashes 100mm, double	29	m	1.75	51
	1009B Thermoplastic - Cycle GW dashes, single line	10	m	1.75	18
	1057S Thermoplastic - Cycle logo	15	nr	30.00	450
	1010 Thermoplastic - Edge line, 1 + 1 x 0.1	50	m	1.75	88

All figures are in £ and exclude VAT

# Project Cost Plan

St Austell Link Road

## Composite Rates: St Austell to A30 Link Road Measured Works

Project Nr 35352

Element	Element/ Classification	Quantity	Unit	Rate	Totals
	1010 Thermoplastic - Edge line, 1 + 1 x 0.15	287	m	1.75	502
	Thermoplastic - 'ESCAPE LANE' 2.8m text	10	nr	22.00	220
	1003.1 Thermoplastic - Give Way dashes, Roundabout	10	nr	10.00	100
	1023 Thermoplastic - Give way triangle 4m (on layby exits)	6	nr	30.00	180
	1040/1 Thermoplastic - Rural Hatching, (outer - line), 150mm	500	m	1.50	750
	1040 Thermoplastic - Rural Hatching, (inner - line), 150mm	60	m	1.50	90
	1040.3 Thermoplastic - Rural Hatching, (inner - line), 500mm	410	m	7.50	3,075
	1040/1 Thermoplastic - Urban Hatching, (outer - line), 150mm	120	m	1.50	180
	1040 Thermoplastic - Urban Hatching, (inner - line), 100mm	200	m	1.25	250
	1003A Thermoplastic, 0.1m	50	m	1.25	63
	1003A Thermoplastic, 0.2m	170	m	1.75	298
					<b>102,994</b>
<b>I04</b>	<b>Road Studs</b>				
I0408	Road stud				
	Supply and installation of road studs	2,276	nr	11.00	25,036
					<b>25,036</b>
<b>I09</b>	<b>Permanent Bollards</b>				
I0901	Permanent bollard				
	Illuminated bollard on roundabout islands (assumed solar powered)	15	nr	450.00	6,750
	Signage; road bollards	16	nr	500.00	8,000
					<b>14,750</b>

All figures are in £ and exclude VAT

# Project Cost Plan

St Austell Link Road

## Composite Rates: St Austell to A30 Link Road Measured Works

Project Nr 35352

Element	Element/ Classification	Quantity	Unit	Rate	Totals
<b>K01</b>	<b>Road Lighting Columns and Brackets and Wall Mountings CCTV M</b>				
K0102	Steel road lighting column				
	New 5m mid-hinged tubular steel column	1	nr	1,000.00	1,000
	New 5m tubular steel column	3	nr	1,000.00	3,000
	New 6m tubular steel column w post-top mounted Pro1 lantern w/ Diamond+ A1 optic	6	nr	1,200.00	7,200
	New 6m tubular steel column w post-top mounted Pro1 lantern w/ Diamond+ D5 optic	2	nr	1,200.00	2,400
	New 8m tubular steel column w/ new post-top mounted Pro2 lantern w/ a Diamond+ D5 optic	2	nr	1,400.00	2,800
					<b>16,400</b>
<b>K02</b>	<b>Remove from Store and Re-erect Road Lighting Columns and Bra</b>				
K0201	Re-erection of road lighting column				
	Reuse existing WPD wooden pole - install new 0.5m bracket and Pro1 lantern w/ a Diamond+ D5 optic	1	nr	600.00	600
	Reuse existing WPD wooden pole - replace existing CPO lantern w/ Pro3 lantern w/ a Diamond+ A3 optic	1	nr	600.00	600
	Reuse existing WPD wooden pole and outreach bracket - install new kiriam mini lantern with diamond+ A1 optic	2	nr	700.00	1,400
	Reuse existing WPD wooden pole - install new 0.5m bracket and new kiriam mini lantern with diamond+ A1 optic	2	nr	700.00	1,400
					<b>4,000</b>
K0202	Re-erection of steel road lighting column				
	Take from store and Re-use decommissioned 10m tubular steel column w/ new post-top mounted Pro2 lantern w/ a Diamond+ D5 optic	5	nr	500.00	2,500
	Take from store and Re-use decommissioned 10m tubular steel column w/ new post-top mounted Pro3 lantern w/ a Diamond+ A3 optic	4	nr	550.00	2,200
	Take from store and Re-use decommissioned 8m tubular steel column w/ new post-top mounted Pro2 lantern w/ a Diamond+ D5 optic	3	nr	600.00	1,800
					<b>6,500</b>

All figures are in £ and exclude VAT

# Project Cost Plan

St Austell Link Road

## Composite Rates: St Austell to A30 Link Road Measured Works

Project Nr 35352

Element	Element/ Classification	Quantity	Unit	Rate	Totals
<b>L02</b>	<b>Trench for Cable or Duct</b>				
L0202	Trench for duct				
	Ducting for lighting; including excavation and disposal of arisings	950	m	20.00	19,000
	Ducting pits	25	nr	750.00	18,750
					<b>37,750</b>
<b>L03</b>	<b>Cable and Duct</b>				
L0312	Size				
	Allowance for infrastructure cabling around interchange for any lighting requirement	1	Item	15,000.00	15,000
					<b>15,000</b>

All figures are in £ and exclude VAT

# Project Cost Plan

St Austell Link Road

## Composite Rates: St Austell to A30 Link Road Measured Works

Project Nr 35352

Element	Element/ Classification	Quantity	Unit	Rate	Totals
V02	<b>Blockwork and Stonework</b>				
V0203	Stonework				
	Cornish hedge including all groundworks and foundations	10,204	m	180.00	1,836,720
	Cornish hedge; stile	6	nr	250.00	1,500
					<b>1,838,220</b>

All figures are in £ and exclude VAT

# Project Cost Plan

St Austell Link Road

## Composite Rates: St Austell to A30 Link Road Measured Works

Project Nr 35352

Element	Element/ Classification	Quantity	Unit	Rate	Totals
<b>W01</b>	<b>Special Structures Designed by the Contractor</b>				
W0102	Earth retaining structure designed by the Contractor				
	Embankment No.1 Strengthening - 108.21m; assumed pre-cast concrete crib wall up to 4m	432	m <sup>2</sup>	410.00	177,120
	Embankment No.2 Strengthening - 156.97m; assumed pre-cast concrete crib wall up to 4m	624	m <sup>2</sup>	410.00	255,840
					<b>432,960</b>
W0104	Underbridge up to 8 metres span designed by the Contractor				
	Under bridge with clear span 17m complete construction including all parapets, transitions, approaches, footways, foundations, abutments, wing walls, water proofing, drainage, etc. Parapet barrier measured in series 400.	2	nr	750,000.00	1,500,000
					<b>1,500,000</b>
W0107	Box culvert designed by the Contractor				
	Culvert with mammal shelf - 57.451m complete with headwalls	1	Item	75,000.00	75,000
	Culvert with mammal shelf - 57.508m complete with headwalls	1	Item	75,000.00	75,000
	Culvert with mammal shelf - 47.394m complete with headwalls	1	Item	65,000.00	65,000
	Culvert with mammal shelf - 51.946m complete with headwalls	1	Item	65,000.00	65,000
	Extension to Imery's culvert - 28.187m	1	Item	28,000.00	28,000
					<b>308,000</b>

All figures are in £ and exclude VAT

# Project Cost Plan

St Austell Link Road

## Composite Rates: St Austell to A30 Link Road Measured Works

Project Nr 35352

Element	Element/ Classification	Quantity	Unit	Rate	Totals
<b>X01</b>	<b>Accommodation Works, Works for Statutory undertakers</b>				
	Statutory works				
	Allowance for unforeseen enhancements	1	Item	10,000.00	10,000
	Protection of mains gas; concrete slab approx 60m x 2m x 0.3m	1	Item	25,000.00	25,000
	Openreach diversion works; including all associated civils works; as per Cormac Utilities Report Ref0718-CSL-VUT-00MZ-RP-CH-0001 Rev P01 Dated 01.03.19	1	Item	1,032,449.00	1,032,449
	Virgin media diversion works; including all associated civils works; as per Cormac Utilities Report Ref0718-CSL-VUT-00MZ-RP-CH-0001 Rev P01 Dated 01.03.19	1	Item	62,598.00	62,598
	WPD diversion works; including all associated civils works; as per Cormac Utilities Report Ref0718-CSL-VUT-00MZ-RP-CH-0001 Rev P01 Dated 01.03.19	1	Item	15,500.00	15,500
	South West Water works; as per Cormac Utilities Report Ref0718-CSL-VUT-00MZ-RP-CH-0001 Rev P01 Dated 01.03.19	1	Item	413,521.00	413,521
	Instalcom works; as per Cormac Utilities Report Ref0718-CSL-VUT-00MZ-RP-CH-0001 Rev P01 Dated 01.03.19	1	Item	193,334.00	193,334
	Sky media; as per Cormac Utilities Report Ref0718-CSL-VUT-00MZ-RP-CH-0001 Rev P01 Dated 01.03.19	1	Item	38,521.00	38,521
	Vodafone; as per Cormac Utilities Report Ref0718-CSL-VUT-00MZ-RP-CH-0001 Rev P01 Dated 01.03.19	1	Item	145,163.00	145,163
	Wales and Wales Utilities; EXCLUDED	1	Item	0.00	0
					<b>1,936,086</b>

All figures are in £ and exclude VAT



# Project Cost Plan

St Austell Link Road

## Composite Rates: St Austell to A30 Link Road Measured Works

Project Nr 35352

Element	Element/ Classification	Quantity	Unit	Rate	Totals
<b>Y02</b>	<b>Seeding and Turfing</b>				
Y0201	Grass seeding				
	Verge - Assumed seeded; free issue	74,947	m <sup>2</sup>	0.20	14,989
	Amenity Grass / Verge	28,914	m <sup>2</sup>	4.00	115,656
	Species Rich Grassland Seed Mix 1	12,703	m <sup>2</sup>	5.00	63,515
	Species Rich Grassland Seed Mix 2	109,001	m <sup>2</sup>	4.00	436,004
	Species Rich Grassland Seed Mix 3	8,555	m <sup>2</sup>	6.00	51,330
	Species Rich Grassland Seed Mix 4	5,179	m <sup>2</sup>	6.00	31,074
	Species Rich Grassland Seed Mix 5	141,020	m <sup>2</sup>	4.00	564,080
					<b>1,276,648</b>
Y0203	Turfing to surfaces sloping				
	Pre-seeded coir matting	250	m	50.00	12,500
					<b>12,500</b>
<b>Y03</b>	<b>Planting</b>				
Y0301	Trees				
	Woodland	65,212	m <sup>2</sup>	30.00	1,956,360
	Beech dominated woodland	9,382	m <sup>2</sup>	45.00	422,190
	Woodland Edge	46,393	m <sup>2</sup>	20.00	927,860
	Individual trees	243	nr	470.00	114,210
					<b>3,420,620</b>
Y0302	Shrubs				
	Heath and Moorland	116,536	m <sup>2</sup>	8.00	932,288
	Shrubs	12,114	m <sup>2</sup>	18.00	218,052
					<b>1,150,340</b>
<b>Y06</b>	<b>Maintenance of Established Trees and Shrubs</b>				
Y0601	Pruning shrubs and climbers				
	Maintenance; monthly inspection, assumed 2 men 2 days per month for 5 years	60	days	800.00	48,000
					<b>48,000</b>
Y0606	Maintenance of trees in urban streets				

All figures are in £ and exclude VAT

# Project Cost Plan

St Austell Link Road

## Composite Rates: St Austell to A30 Link Road Measured Works

Project Nr 35352

Element	Element/ Classification	Quantity	Unit	Rate	Totals
	Tree / Shrub Watering; assumed two droughts in five years requiring ten visits taking one week for two gangs	10	visits	4,500.00	45,000
	Tree/Shrub replacement yr 1 - 5%	1	Item	181,934.00	181,934
	Tree/Shrub replacement yr 2 - 4%	1	Item	145,547.00	145,547
	Tree/Shrub replacement yr 3 - 3%	1	Item	109,160.00	109,160
	Tree/Shrub replacement yr 4 - 2%	1	Item	72,773.00	72,773
	Tree/Shrub replacement yr 5 - 1%	1	Item	36,387.00	36,387
					<b>590,801</b>

All figures are in £ and exclude VAT