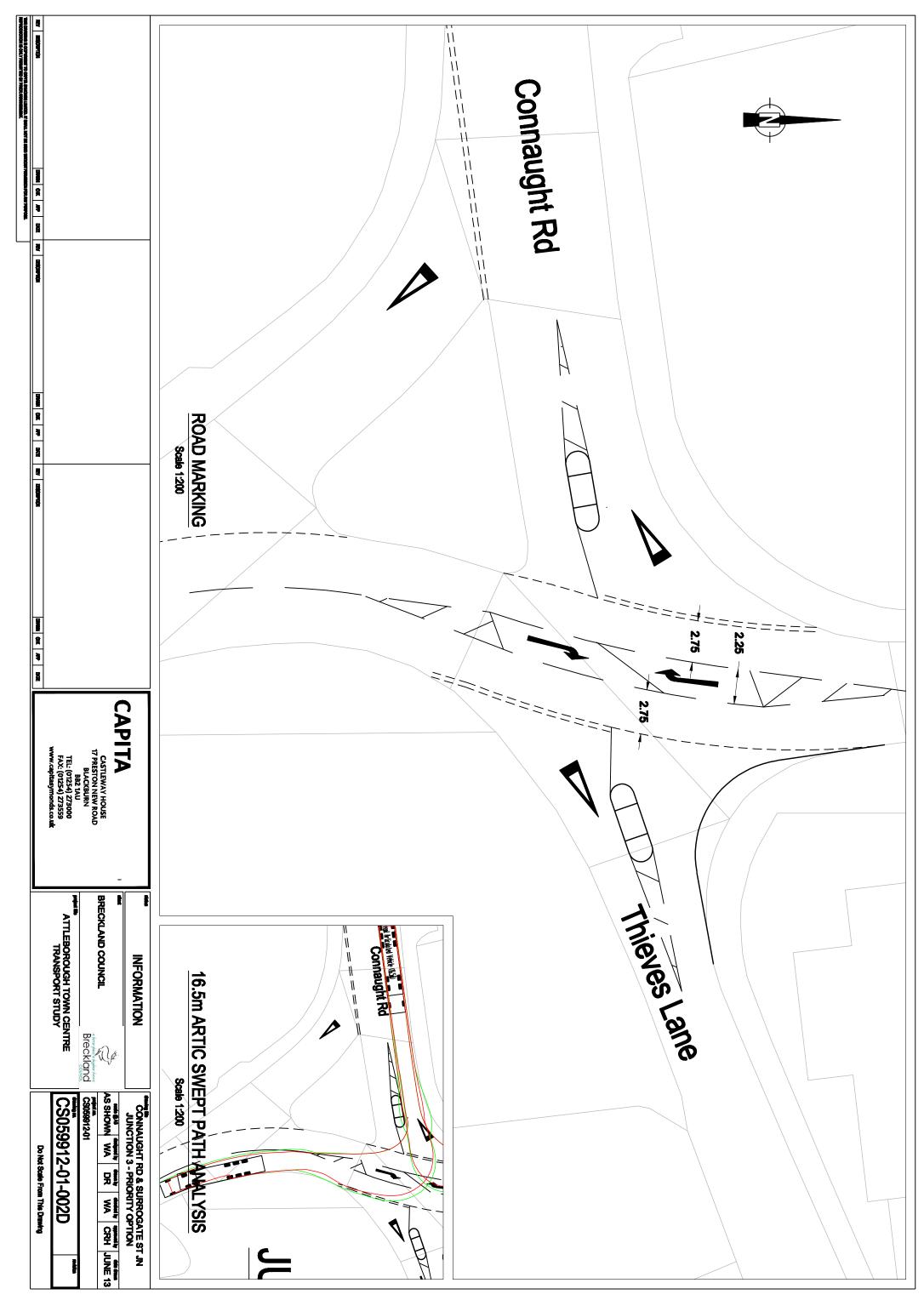
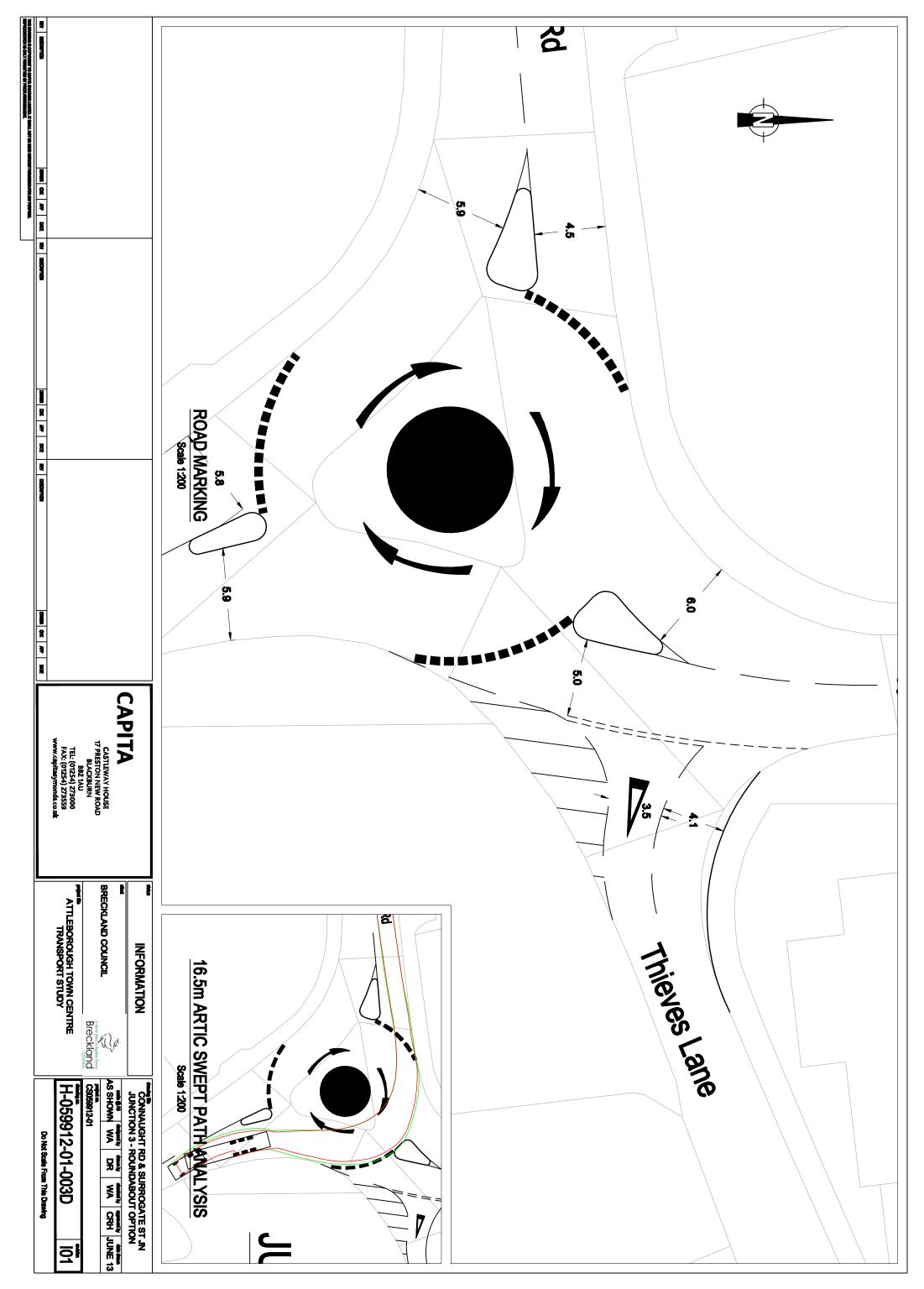
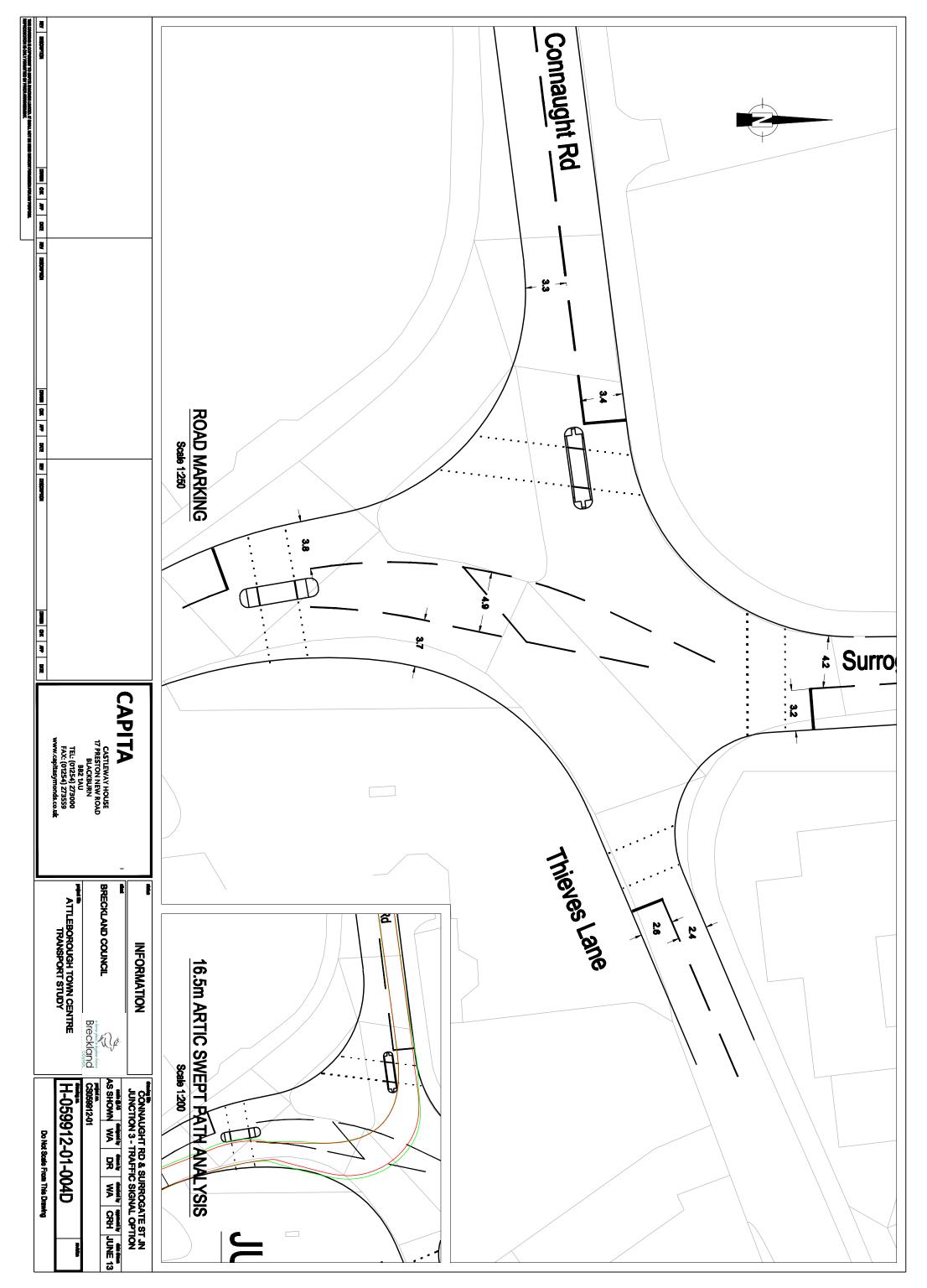
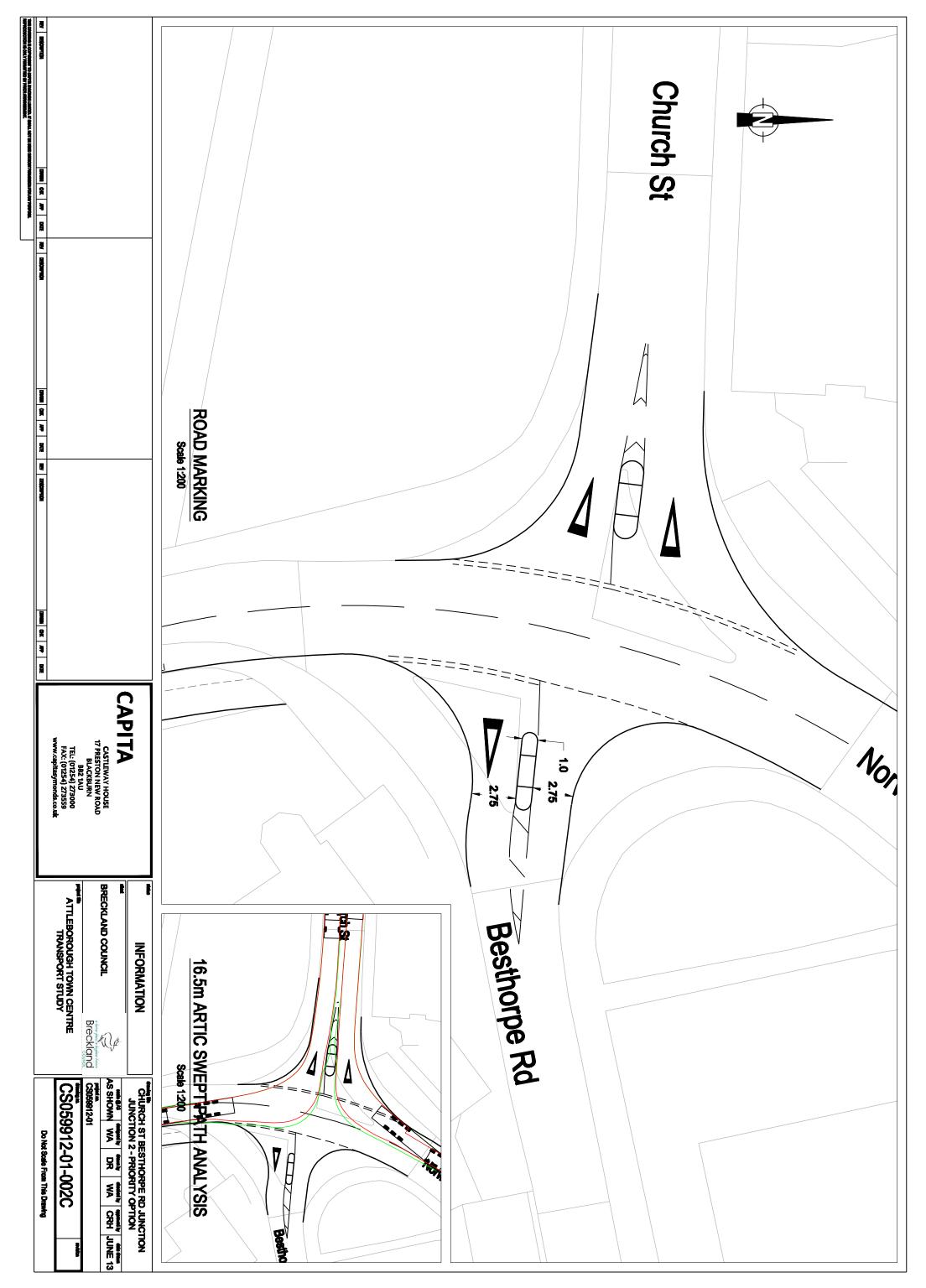
Appendix GG – Scheme Drawings of Surrogate Street / Thieves Lane / Connaught Road

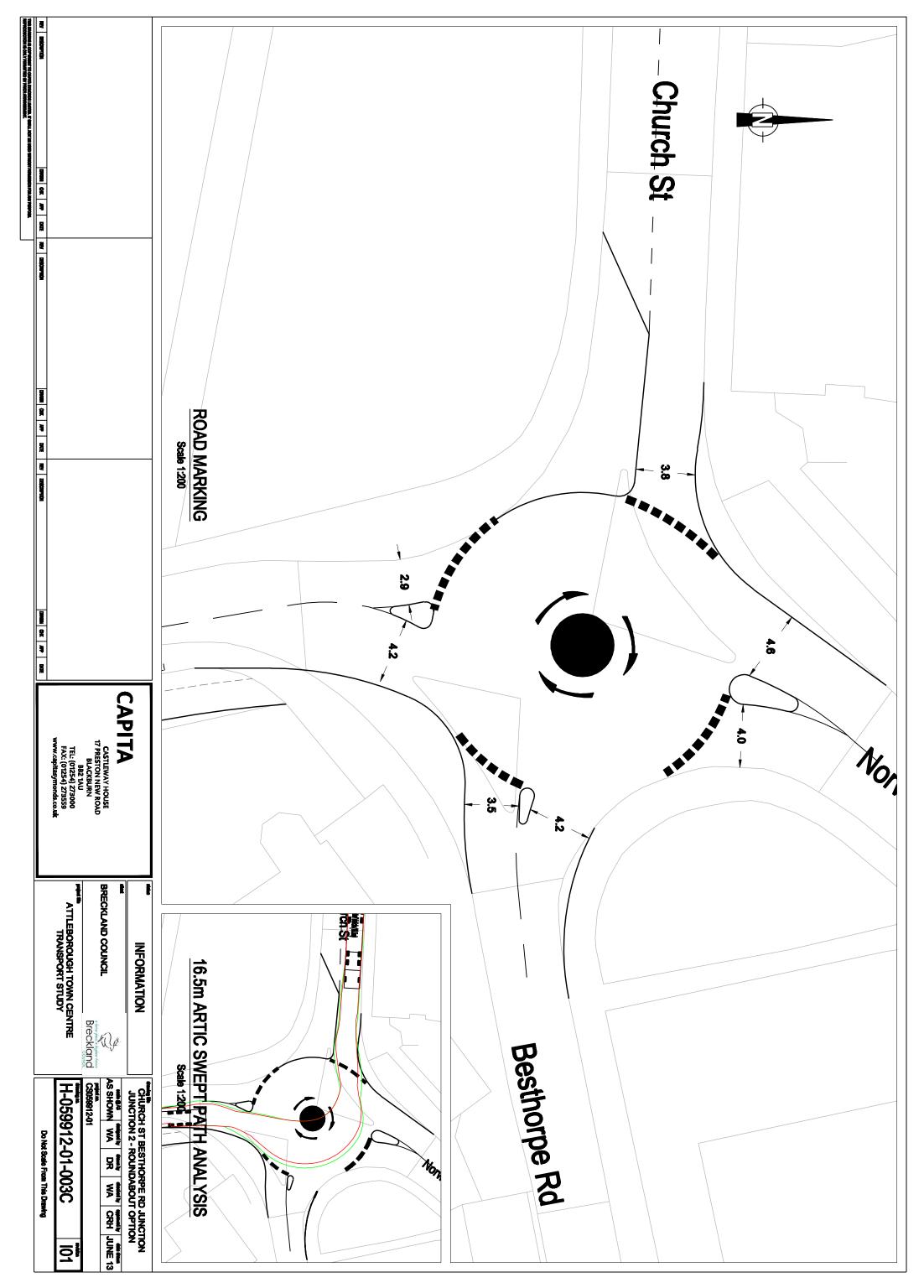


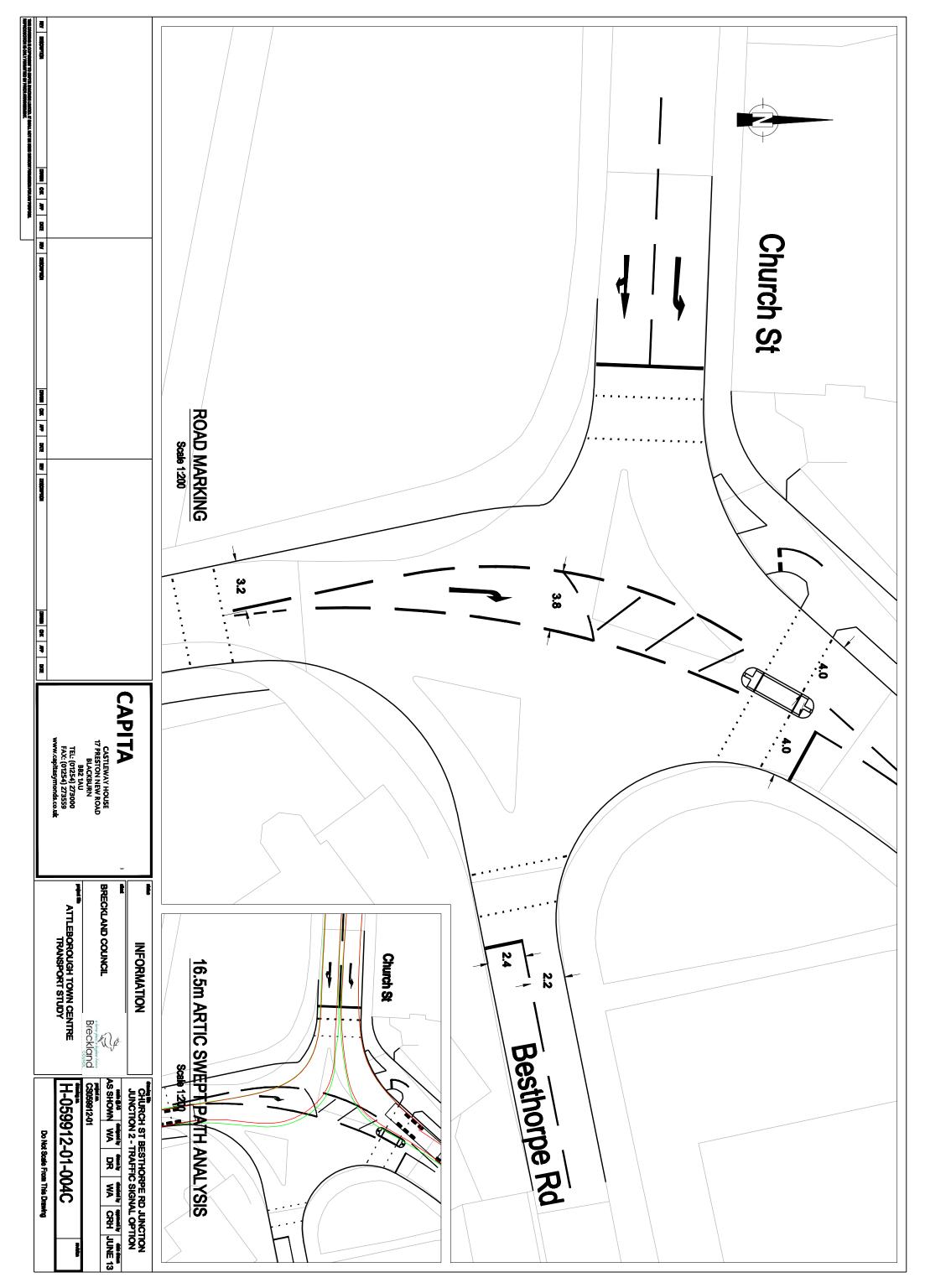




Appendix HH – Scheme Drawings of Surrogate Street / Church Street / Norwich Road







Appendix II – Summary of Recommended Package of Measures

## **Attleborough Town Centre Transport Strategy**

Alignment of Reccommmended Strategy with Policy Objective and Guidance

Policy Document / Guidance	Priority/Objective	How well Strategy aligns with Objectives	Assessment of Recommended Strategy against Regional Policy
	Engine for economic growth	<b>,</b>	The strategy proposes improved public transport provision improving links with existing and proposed centres of employment. The proposals for the town centre one-way system and a new link road would prevent the existing network from reaching grid lock as indicated by do-minimum modelling.
	Reduces carbon	<b>~</b>	The proposed package of measures to encourage modal shift and reduce congestion will have a positive impact on reducing carbon emmissions.
Creating Growth, Cutting Carbon: Making Sustainable Local Transport Happen (Transport White Paper	Improves quality of life for communities	<b>&gt;</b>	The reductions in traffic levels and removal of HGVs from Exchange Street and Church Street will greatly improve the environment in the town centre and should make people feel safer.
	Enabling sustainable transport choices	<b>&gt;</b>	The proposals to improve public transport service provision and provide improved walking and cycling networks will greatly enhance the choices available to Attleborough residents.
	Promoting active travel and healthy lifestyles	>	New pedestrian and cycle infrastructure and facilities will make it easier for people to walk and cycle to and around the town centre and improve safety.
	Making public transport more attractive	<b>&gt;</b>	The strategy includes proposals to improve public transport services, bus stops and interchange facilities including improvements to Attleborough Rail Station.
	Maintaining and managing the highway network	<b>&gt;</b>	The proposed changes to the town centre network and the proposed new link road will secure the expeditious movement in accordance with the 2004 Traffic Management Act
	Delivering sustainable growth	>	The strategy is principally aimed at providing the infrastructure required to support the plans for growth.
	Enhancing strategic connections	<b>&gt;</b>	The introduction of a new link road will provide a key strategic route between the A11 and the urban extension and existing employment areas. It is also expected that the route will provide significant relief to the town centre network.
Norfolk's Third Local Transport Plan, 2011 - 2026	Reducing emissions	<b>&gt; &gt;</b>	The proposed package of measures to encourage modal shift and reduce congestion will have a positive impact on reducing carbon emmissions.
	Improving road safety	<b>&gt;</b>	The proposed local highway network changes and walking cycling infrastructure will be designed in accordance with appropriate standards and seek to reduce the potential for incidents through the implementation of Road Safety Audit procedures. Road accident statistics for Attleborough indicate that there isn't a significant problem currently.
	Improving accessibility	<b>&gt;</b>	The proposals to improve public transport service provision and provide improved walking and cycling networks will greatly enhance the choices available to Attleborough residents.
	SO5: To address infrastructure and green infrastructure deficits, and infrastructure capacity issues.	¥	There are no significant infrastructure deficits in terms of the local highway network at present, particularly since the upgrade of the level crossing. It could however be argued that the provision of public transport is currently poor and that there are likely to be levels of latent demand. The proposed measure to improve public transport services would address this.
	SO6: To ensure that infrastructure and green infrastructure delivery keeps pace with the levels of growth.	<b>,</b> , ,	The strategy is principally aimed at providing the infrastructure required to support the plans for growth.
Breckland Adopted Core Strategy and Development Control Policies Development Plan Document	SO9: To protect and enhance the built and historic environment of Breckland and require new development to meet high quality design standards.	<b>~ ~</b>	The reductions in traffic levels and removal of HGVs from Exchange Street and Church Street will greatly improve the environment in the town centre and should make people feel safer. The link road proposals would enable the proposed HGV ban to be extended to include Connaught Road and possibly Surrogate Street effectively covering the whole of the town centre Conservation Area.
	SO18: To provide for a significant modal shift from a reliance on the private car, in particular single person car use, to sustainable forms of transport.	<b>&gt;</b>	The proposals to improve public transport service provision and provide improved walking and cycling networks will greatly enhance the choices available to those living and working in Attleborough enabling modal shift.
	SO19: To ensure good accessibility for all to jobs, facilities and services in Breckland.	<b>&gt;</b> >	The proposals to improve public transport service provision and provide improved walking and cycling networks will greatly enhance the choices available to Attleborough residents.
	SO21: To reduce urban isolation and social exclusion through the promotion of appropriate tenure mixes in new developments and improved accessibility to key services and facilities.	<b>~</b>	The proposed measures will improve accessibility to exisitng and proposed employment areas and the town centre. Improved public transport services and facilities and walking and cycling infrastructure will provide greater levels of accessibility and reduce social exclusion.

Appendix JJ – Implementation Plan

Theme	Strategy Element	Price in '000s	2013-2017	2018-2021	2022-2024	2025-2027	2028-2031
	Town Centre Walking and Cycling						
	Improvements	Saa Smartar Choicas					
Demand Management & Smarter Choices Package	Town Centre Public Transport Improvments						
	(Waiting Facilities and Interchanges)	See Smarter Choices Study  ate 345  sation 305  ght Road 290	Study				
	Town Centre Walking and Cycling Improvements Town Centre Public Transport Improvments (Waiting Facilities and Interchanges) Parking Policy Review Church Street / Norwich Road / Surrogate Street Signalisation Connaught Road / Station Road Signalisation  High Street / Exchange Street / Connaught Road  Town Centre Walking and Cycling Improvements See Smarter Choices Study  See Smarter Choices Study  Connaught Road / Sturrogate Street Signalisation  Additional Road / Station Road Signalisation  Town Centre Walking and Cycling Improvements Study  See Smarter Choices Study  High Street / Fachange Street / Connaught Road						
		345					
Alterations to One-way Systeme to revert Connaught	Connaught Road / Station Road Signalisation	305					
Road and Surrogate Street to Two-way.		290					
	Public Realm Improvements on Exchange Street	?					
	and Church Street	;					
Major New Highway Infrastructure	Western Link Road	See Link Road Study					



Feasibility / Detailed Study
Implementation / Construction

Appendix KK – Bill of Quantities

Item	Description - Priority Proposal	Quantity	Unit	Rate	Amount
	Junction 1				
	Preliminaries				
100/001	Temporary Accomodation and Traffic Management				6500
	Site Clearance				
200/001	Removal of dis-used materials				2500
	Drainage				
500/001	225mm internal diameter drain pipe		m	100	0
500/002	1050 Internal diameter chamber with D400 grating and frame		no	1500	0
500/003	Pre-cast concrete gully with D400 grating and frame	5	no	600	3000
	Earthworks				
600/001	Excavation of materials		m³	15	0
600/002	Disposal of excavated materials		m³	20	0
600/003	Capping Layer 600mm thick		m³	25	0
600/004	Geotextile Material		m²	1	0
	Pavement			m 100 no 1500 no 600  m³ 15 m³ 20 m³ 25	
700/001	Type 1 Unbound mixture sub-base (150mm thick)		m³	40	0
700/002	Surface Course 40mm thick	900	m²	11	9900
700/003	Binder Course 60mm thick	0	m²	8	0
700/004	Base Layer 225mm thick	0	m³	22	0
700/005	Tack Coat	900	m²	0.5	450
700/003	Plane off Surface Course	900	m²	5	4500
	Kerbs and Edgings				
1100/001	Pre-cast concrete kerbs (Half Battered)	65	m	20	1300
1100/002	Pre-cast concrete Edgings	65	m	15	975
	Footways			no     1500       no     600       m³     15       m³     20       m³     25       m²     1       m²     11       m²     8       m³     22       m²     0.5       m     20       m     15       m²     9       m³     20       m³     40       m²     9       m³     20       m³     40       m²     0.5       m     2       no     25       no     1500       m     30	
1100/003	Surface course 20mm thick	135	m²	9	1215
1100/004	Base layer 105mm thick	15	m³	20	300
1100/005	Sub-base 100mm thick	0	_	40	0
1100/005	Tack Coat	100	m²	0.5	50
				mo 1500 no 600  m³ 15 m³ 20 m³ 25 m² 1  m³ 40 m² 11 m² 8 m³ 22 m² 0.5 m² 5  m 20 m 15  m 20 m 15  m 20 m 15  m 20 m 25  m 25  m 20 m 25  m 25  m 20 m 3 40 m² 0.5	
	Road Markings				
	Continuous line in white thermoplastic screed with applied solid	175	m	2	350
1200/001	glass beads 200 mm wide.	1,3		3 15 3 20 3 25 2 1 3 40 2 11 2 8 3 22 2 0.5 2 5 40 1 15 2 9 3 20 3 40 2 0.5 40 2 0.5 40 2 15 40 2 15 40 2 5 40 5 15 6 20 6 3 40 6 5 6 3 5 6 5 7 5 7 6 7 7 8 7 7 8 7 8 7 8 7 9	330
	Intermittent line in white themoplastic screed with applied solid				
	glass beads 75mm wide with 600 mm line and 600 mm gap.	30	m	2	60
1200/002					
1200/003	Arrow in white reflectorised thermoplastic screed	1	no	25	25
	Road Lighting Columns			100 1500 600 15 20 25 1 1 40 11 8 22 0.5 5	
1300/001	Steel Lighting column of 10m nominal height	5	no	1500	7500
	Electrical Works for Cable Trench and Duct				
1400/001	Trench for cable	175	m		5250
1400/001	10 mm <sup>2</sup> 3 core cable with copper conductors laid in trench	175	m	5	875
		1	1	Total	44750
			•		1
	Fees @ 10% Contigency @ 5%				447: 2237.

Item	Description - Priority Proposal	Quantity	Unit	Rate	Amount
	Junction 2	_			
	Preliminaries				
100/001	Temporary Accomodation and Traffic Management				5500
200/001 500/001 500/002 500/003 500/003 500/004 700/001 700/002 700/003 700/004 700/005 700/006					
	Site Clearance				
200/001	Removal of dis-used materials				2000
100/001 200/001 500/001 500/002 500/003 600/004 700/001 700/002 700/003 700/004 700/005 700/006 1100/002 1100/003 1100/004 1100/005 1100/005					
	Drainage				
500/001	225mm internal diameter drain pipe		m	100	0
500/002	1050 Internal diameter chamber with D400 grating and frame		no	1500	0
500/003	Pre-cast concrete gully with D400 grating and frame	4	no	600	2400
500/004	Earthworks		2		
	Excavation of materials		m³	15	0
	Disposal of excavated materials		m³	20	0
	Capping Layer 600mm thick		m <sup>3</sup>	25	0
bUU/UU4	Geotextile Material		m²	1	0
500/002 500/003 500/003 500/001 500/002 500/003 500/004 700/002 700/003 700/004 700/005 700/006 1100/002 1100/003 1100/004 1100/005	Pavement				
700/001	Type 1 Unbound mixture sub-base (150mm thick)		m³	40	0
	Surface Course 40mm thick	660	m <sup>2</sup>	11	7260
	Binder Course 60mm thick	000	m <sup>2</sup>	8	0
	Base Layer 225mm thick		m³	22	0
	Tack Coat	660	m <sup>2</sup>	0.5	330
	Plane off Surface Course	660	m²	5	3300
700/006		000	<del> </del>		3300
	Kerbs and Edgings				
1100/001	Pre-cast concrete kerbs (Half Battered)	120	m	20	2400
1100/002	Pre-cast concrete Edgings	120	m	15	1800
	Footways				
1100/003	Surface course 20mm thick	250	m²	9	2250
1100/004	Base layer 105mm thick	30	m³	20	600
1100/005	Sub-base 100mm thick		m³	40	0
1100/005	Tack Coat	250	m²	0.5	125
	Road Markings				
	Continuous line in white thermoplastic screed with applied solid	90	l m	2	180
1200/001	glass beads 200 mm wide.	30		_	100
	Intermittent line in white themoplastic screed with applied solid				
	glass beads 75mm wide with 600 mm line and 600 mm gap.	100	m	2	200
1200/003	Arrow in white reflectorised thermoplastic screed		no	25	0
	Dood Lighting Columns				
1200/001	Road Lighting Columns Steel Lighting column of 10m nominal height	4	no	1500	6000
1300/001	Steel Lighting column of form normal neight	4	no	1500	6000
	Electrical Works for Cable Trench and Duct				
1400/001	Trench for cable	90	m	30	2700
1400/001	10 mm <sup>2</sup> 3 core cable with copper conductors laid in trench	90	m	5	450
50,501	25 5 core cable than copper conductors laid in trenen	30	1		150
				Total	37495
					2. 133
	Fees @ 10%				3749.5
	Contigency @ 5%				1874.75
				Grand Total	43119.25

Item	Description - Priority Proposal	Quantity	Unit	Rate	Amount
	Junction 3				
	Preliminaries				
100/001	Temporary Accomodation and Traffic Management				3000
	Site Clearance				
200/001	Removal of dis-used materials				1000
	Junction 3  Preliminaries  Other Temporary Accommodation and Traffic Management  Site Clearance  Other Temporary Accommodation and Traffic Management  Drainage  Drain				
	Drainage				
500/001			m	100	0
500/002			no		0
500/003	Pre-cast concrete gully with D400 grating and frame	1	no	600	600
600/004			3	4.5	
600/001					0
600/002	·			+	0
600/003					0
600/004	Geolextile ivialerial	+	m²	1	0
	Pavement				
700/001			m <sup>3</sup>	40	0
700/002		770			8470
700/003					0
700/004				_	0
700/005					385
700/006		_		+	3850
700/006					
	Kerbs and Edgings				
1100/001	Pre-cast concrete kerbs (Half Battered)	20	m	20	400
1100/002	Pre-cast concrete Edgings		m	15	0
/			1 2		
1100/003		_			324
1100/004		4			80
1100/005		26		m 100 no 1500 no 600  m³ 15 m³ 20 m³ 25 m² 1  m³ 40 m² 11 m² 8 m³ 22 m² 0.5 m² 5  m 20 m³ 30 m² 5  m 20 m³ 40 m² 15  m² 9 m³ 20 m³ 40 m² 0.5  m 25  m 25  m 25  m 26 m³ 20 m³ 30 m² 5	0
1100/005	Junction 3   Preliminaries	0.5	18		
	Road Markings				
1200/001	·	150	m	2	300
1200,001					
		150	m	2	300
1200/002					
1200/003	Arrow in white reflectorised thermoplastic screed	2	no	25	50
	Road Lighting Columns				
1300/001	Steel Lighting column of 10m nominal height	1	no	1500	1500
4.400/25:				22	600
1400/001		_			600
1400/001	10 mm <sup>2</sup> 3 core cable with copper conductors laid in trench	20	m	5	100
				Total	20077
				TOTAL	20977
	Fee @ 10%		1		2097.7
					1048.85
	configure 570				1040.03
				Grand Total	24123.55
	1		ı	1	

Item	Description - Roundabout Proposal	Quantity	Unit	Rate	Amount
	Junction 1	-			
	Preliminaries				
100/001	Temporary Accomodation and Traffic Management				8000
100/001	Temporary recombaction and Trame Wanagement	1			0000
	Site Clearance		1		
200/001	Removal of dis-used materials				2000
200/001	Removal of dis-used materials	-	+		3000
	Dysinogo	-	+		
F00/001	Drainage	-	m	100	
500/001 500/002	<ul><li>225mm internal diameter drain pipe</li><li>1050 Internal diameter chamber with D400 grating and frame</li></ul>	-	m	1500	0
500/002	Pre-cast concrete gully with D400 grating and frame	7	no	600	4200
300/003	Pre-cast concrete guily with D400 grating and frame	+ '	no	600	4200
	Earthworks				
600/001	Excavation of materials	1	m³	15	60
600/001	Disposal of excavated materials	4	m <sup>3</sup>		
	Capping Layer 600mm thick	4	m <sup>3</sup>	20	80
	Geotextile Material	-	m <sup>2</sup>		0
600/004	Geolexille Material	-	III-	1	0
	Pavement		1		
700/001		4	m³	40	160
	Type 1 Unbound mixture sub-base (150mm thick) Surface Course 40mm thick	925	m <sup>2</sup>	11	10175
	Binder Course 60mm thick	25	m <sup>2</sup>	8	
		4	m³	22	200 88
	Base Layer 225mm thick Tack Coat	950	m <sup>2</sup>	0.5	475
			m <sup>2</sup>		
	Plane off existing surface course	75		5	375
700/007		11	9900		
	Kauha and Edainas	-		+	
1100/001	Kerbs and Edgings Pre-cast concrete kerbs (Half Battered)	150	m	20	3000
	Pre-cast concrete Edgings	150	m	15	0
1100/002	Pre-cast concrete Euglings		m	13	U
500/003 500/004 700/001 700/002 700/003 700/005 700/006 700/007 1100/001 1100/002 1100/003 1100/004 1100/005 1100/005	Footways				
1100/002	Surface course 20mm thick	90	m²	9	810
	Base layer 105mm thick	10	m <sup>3</sup>	20	200
	Sub-base 100mm thick	10	m <sup>3</sup>	40	0
	Tack Coat	90	m <sup>2</sup>	0.5	45
1100/003	Tack Coat	90	1111	0.3	43
	Road Markings				
	Continuous line in white thermoplastic screed with applied solid				
1200/001	glass beads 200 mm wide.	150	m	2	300
1200/001	Intermittent line in white themoplastic screed with applied solid		1		
	glass beads 75mm wide with 600 mm line and 600 mm gap.	150	m	2	300
1200/002	glass beaus 75mm wide with 600 mm line and 600 mm gap.	130	'''	2	300
1200/002	Arrow in white reflectorised thermoplastic screed		no	25	0
1200/003	Arrow in writte reflectorised thermoplastic screed		110	23	
	Road Lighting Columns		1		
1300/001	Steel Lighting column of 10m nominal height	4	no	1500	6000
1300/001	Sect Eighting column of Tom nominal neight	+ +	110	1300	0000
	Electrical Works for Cable Trench and Duct				
1400/001	Trench for cable	150	m	100	15000
1400/001	10 mm <sup>2</sup> 3 core cable with copper conductors laid in trench	150	m	5	750
±-100/001	10 mm 3 core cable with copper conductors idid in trenti	130	111	<del>, ,</del>	7.30
			1	Total	63118
			+	Total	03110
	Fees @ 10%		1	+	6311.8
	Contigency @ 5%				3155.9
	Configency & 570		1	Grand Total	72585.7
Ī			1	Grana rotal	, 2303.7

Item	Description - Roundabout Proposal	Quantity	Unit	Rate	Amount
	Junction 2				
	Preliminaries				
100/001	Temporary Accomodation and Traffic Management				4000
100/001	Temporary Accompagation and Trame Management				7000
	Site Clearance				
200/001	Removal of dis-used materials				1500
200/001	Removal of dis-used materials		1		1500
	Drainage	-	m 100 no 1500 4 no 600  m³ 15 m³ 20 m³ 25 m² 1  m² 11 m² 8 m³ 22 540 m² 11 m² 8 m³ 22 540 m² 5  80 m 20 540 m² 5  80 m 20 540 m² 5  80 m 20 540 m² 15		
500/001	Drainage		m	100	0
	225mm internal diameter drain pipe		+		0
500/002	1050 Internal diameter chamber with D400 grating and frame	1	+		0
500/003	Pre-cast concrete gully with D400 grating and frame	4	no	600	2400
	Earthworks				
COO/004			3	4.5	
600/001	Excavation of materials		_		0
600/002	Disposal of excavated materials		+	-	0
600/003	Capping Layer 600mm thick		4		0
600/004	Geotextile Material		m²	1 1	0
/	Pavement		3		
700/001	Type 1 Unbound mixture sub-base (150mm thick)				0
700/002	Surface Course 40mm thick	540			5940
700/003	Binder Course 60mm thick		_	-	0
700/004	Base Layer 225mm thick		4	-	0
700/005	Tack Coat	540	_	0.5	270
700/006	Plane off Surface Course	540	m²	5	2700
	Kerbs and Edgings				
1100/001	Pre-cast concrete kerbs (Half Battered)	80	m	20	1600
1100/002	Pre-cast concrete Edgings		m	15	0
	Footways				
1100/003	Surface course 20mm thick	165		9	1485
1100/004	Base layer 105mm thick	20	_	+	400
1100/005	Sub-base 100mm thick		m³	40	0
1100/005	Tack Coat	165	m²	0.5	82.5
	Road Markings				
	Continuous line in white thermoplastic screed with applied solid	90	m	2	180
1200/001	glass beads 200 mm wide.	30			100
	Intermittent line in white themoplastic screed with applied solid				
	glass beads 75mm wide with 600 mm line and 600 mm gap.	90	m	2	180
1200/002					
1200/003	Arrow in white reflectorised thermoplastic screed	3	no	25	75
	Road Lighting Columns				
1300/001	Steel Lighting column of 10m nominal height	3	no	1500	4500
	Electrical Works for Cable Trench and Duct				
1400/001	Trench for cable	60	m	100	6000
1400/001	10 mm <sup>2</sup> 3 core cable with copper conductors laid in trench	60	m	5	300
				Total	31612.5
	Fees @ 10%				3161.25
	Contigency @ 5%				1580.625
				<b>Grand Total</b>	36354.38

Item	Description - Roundabout Proposal	Quantity	Unit	Rate	Amount
	Junction 3	<u> </u>			
	Preliminaries				
100/001	Temporary Accomodation and Traffic Management			†	3500
100/001	remporary recommodation and traine wandgement				3300
	Site Clearance				
200/001	Removal of dis-used materials			+	1200
200/001	Removal of dis-used materials			+	1200
	Drainaga		m 100 no 1500 no 600  m³ 15 m³ 20 m³ 25 m² 1  m³ 40 m² 11 m² 8 m³ 22 m² 0.5 m² 5  m 20 m³ 20 m³ 22 m² 0.5 m² 5  m 20 m 35  m² 5  m 20 m 35  m 30 m 3	+	
500/001	Drainage		m	100	0
	225mm internal diameter drain pipe			+	0
500/002	1050 Internal diameter chamber with D400 grating and frame	2		+	
500/003	Pre-cast concrete gully with D400 grating and frame	2	no	600	1200
	Earthworks	+		+	+
600/001			m3	15	_
600/001	Excavation of materials			+	0
600/002	Disposal of excavated materials	1		+	0
600/003	Capping Layer 600mm thick	1	_		0
600/004	Geotextile Material	+	m²	1 1	0
	Pavament	1			1
700/001	Pavement  Type 1 Unbound mixture sub-base (150mm thick)	+	m <sup>3</sup>	40	0
	Type 1 Unbound mixture sub-base (150mm thick) Surface Course 40mm thick	000			+
700/002	Binder Course 60mm thick	900		+	9900
700/003			_		0
700/004	Base Layer 225mm thick	000		+	0
700/005	Tack Coat	900	_		450
/00/006	Plane off Surface Course	900	m²	5	4500
700/006	W. b. and Edition				
4400/004	Kerbs and Edgings	100		20	2000
1100/001	Pre-cast concrete kerbs (Half Battered)	100			2000
1100/002	Pre-cast concrete Edgings		m	15	0
	Footways			+	+
1100/003	Surface course 20mm thick		m <sup>2</sup>	0	0
1100/003				+	
	Base layer 105mm thick Sub-base 100mm thick				0
1100/005				+	0
1100/005	Tack Coat		m-	0.5	0
	Pood Markings				
	Road Markings			+	
1200/001	Continuous line in white thermoplastic screed with applied solid	120	m	2	240
1200/001	glass beads 200 mm wide.				
	Intermittent line in white themoplastic screed with applied solid	120		2	240
4200/002	glass beads 75mm wide with 600 mm line and 600 mm gap.	120	m	2	240
1200/002	Arraw in white reflectorized thermonlectic careed	2		25	75
1200/003	Arrow in white reflectorised thermoplastic screed	3	no	25	75
	Dood Lighting Columns				
1200/001	Road Lighting Columns	1		4500	1500
1300/001	Steel Lighting column of 10m nominal height	1	no	1500	1500
	Electrical Works for Cable Trench and Duct				+
1400/001	Trench for cable	20	m	100	2000
1400/001	10 mm <sup>2</sup> 3 core cable with copper conductors laid in trench	20			100
1400/001	20 mm 3 core cable with copper conductors idid in trench	20	111	, J	100
		+	m 100 no 1500 no 600 m³ 25 m² 1 m² 3 m³ 40 m² 11 m² 8 m³ 22 m² 0.5 m² 5  m 20 m 15  m 20 m 15  m 20 m 25  m 20 m 25  m 20 m 30 m 3	Total	26905
		+		Total	2030
			1		
	Fees @ 10%				2600 1
	Fees @ 10% Contigency @ 5%		<u> </u>		2690.5 1345.25

Item	Description - Traffic Signal Proposal	Quantity	Unit	Rate	Amount
	Junction 1				
	Preliminaries				
100/001	Temporary Accomodation and Traffic Management				30000
	Site Clearance				
200/001	Removal of dis-used materials				12500
	Drainage				
500/001	225mm internal diameter drain pipe		m	100	0
500/002	1050 Internal diameter chamber with D400 grating and frame		no	1500	0
500/003	Pre-cast concrete gully with D400 grating and frame	8	no	600	4800
	Earthworks				
600/001	Excavation of materials	5	m³	15	75
600/002	Disposal of excavated materials	5	m³	20	100
600/003	Capping Layer 600mm thick		m³	25	0
600/004	Geotextile Material		m²	1	0
	Pavement				
700/001	Type 1 Unbound mixture sub-base (150mm thick)	5	m³	40	200
700/002	Surface Course 40mm thick	675	m²	11	7425
700/003	Binder Course 60mm thick	35	m²	8	280
700/004	Base Layer 225mm thick	10	m³	22	220
700/005	Tack Coat	710	m²	0.5	355
700/007	Palne off existing surface course	750	m²	11	8250
	Kerbs and Edgings				
1100/001	Pre-cast concrete kerbs (Half Battered)	185	m	20	3700
1100/002	Pre-cast concrete Edgings		m	15	0
	Footways				
	Surface course 20mm thick	300	m²	9	2700
	Base layer 105mm thick	30	m³	20	600
	Sub-base 100mm thick	30	m³	40	1200
1100/005	Tack Coat	300	m²	0.5	150
		-		-	
	Road Markings		+	1	
1200/001	Continuous line in white thermoplastic screed with applied solid	110	m	2	220
1200/001	glass beads 200 mm wide.		1		
	Intermittent line in white themoplastic screed with applied solid	440			220
1200/002	glass beads 75mm wide with 600 mm line and 600 mm gap.	110	m	2	220
-	A way with a wall a stantian of the average least a council			25	
1200/003	Arrow in white reflectorised thermoplastic screed		no	25	0
	Traffic Signals		+	+	
1200/004	Signals Equipment		+		65000
	Vehicle Detection		+		40000
	Signals Civils (ducting, chambers, sockets)		+		60000
1200/000	Signals Civils (adecting, chambers, sockets)	+	+	+	50000
	Road Lighting Columns		+	1	
1300/001	Steel Lighting column of 10m nominal height	4	no	1500	6000
230,001		<del>                                     </del>	1	1550	3000
	Electrical Works for Cable Trench and Duct		+		
1400/001	Trench for cable	110	m	30	3300
1400/001	10 mm <sup>2</sup> 3 core cable with copper conductors laid in trench	110	m	5	550
22,002	and the state of t		<del> </del>	† •	220
			1	Total	247845
			1	1	
500/001 500/002 500/003 500/004 700/001 700/003 700/004 700/005 700/007 1100/003 1100/004 1100/005 1100/005 1200/005 1200/001	Fees @ 10%				24784.
	Contigency @ 5%				12392.2
	Contigency @ 370				

Item	Description - Traffic Signal Proposal	Quantity	Unit	Rate	Amount
	Junction 2				
	Preliminaries				
100/001	Temporary Accomodation and Traffic Management				37000
					12000
	Site Clearance				
200/001	Removal of dis-used materials				
100/001 200/001 500/001 500/002 500/003 500/003 500/004 700/002 700/002 700/003 700/004 700/005 700/006 1100/001 1100/003					
	Drainage				
500/001	225mm internal diameter drain pipe		m	100	0
500/002	1050 Internal diameter chamber with D400 grating and frame		no	1500	0
500/003	Pre-cast concrete gully with D400 grating and frame	4	no	600	2400
	Earthworks				
600/001	Excavation of materials	5	m³	15	75
600/002	Disposal of excavated materials	5	m³	20	100
600/003	Capping Layer 600mm thick		m³	25	0
600/004	Geotextile Material		m²	1	0
	Pavement				
700/001	Type 1 Unbound mixture sub-base (150mm thick)	5	m³	40	200
700/002	Surface Course 40mm thick	800	m²	11	8800
700/003	Binder Course 60mm thick	40	m²	8	320
700/004	Base Layer 225mm thick	10	m³	22	220
700/005	Tack Coat	840	m²	0.5	420
700/006	Plane off Surface Course	800	m²	5	4000
	Kerbs and Edgings				
1100/001	Pre-cast concrete kerbs (Half Battered)	210	m	20	4200
1100/002	Pre-cast concrete Edgings	15	m	15	225
	Footways				
-	Surface course 20mm thick	60	_	9	540
-	Base layer 105mm thick	10	+	+	200
Drainage	Sub-base 100mm thick	10			400
500/003 500/004 700/001 700/002 700/003 700/004 700/005 700/006 1100/002 1100/003 1100/004 1100/005 1100/005	Tack Coat	60	m²	0.5	30
	Continuous line in white thermoplastic screed with applied solid	160	m	2	320
1200/001	glass beads 200 mm wide.	In pipe			
	Intermittent line in white themoplastic screed with applied solid				
	glass beads 75mm wide with 600 mm line and 600 mm gap.	160	m	2	320
-		_			
1200/003	Arrow in white reflectorised thermoplastic screed	3	no	25	75
		1		1	
	Tueffie Cienel				Ī
1200/004					05000
	Signals Equipment				85000
1200/005	Signals Equipment Vehicle Detection				55000
1200/005	Signals Equipment				
1200/005	Signals Equipment Vehicle Detection Signals Civil (ducting,chambers, sockets)				55000
1200/005 1200/006	Signals Equipment  Vehicle Detection  Signals Civil (ducting,chambers, sockets)  Road Lighting Columns			1500	55000 75000
1200/005 1200/006	Signals Equipment Vehicle Detection Signals Civil (ducting,chambers, sockets)	4	no	1500	55000
1200/005 1200/006	Signals Equipment Vehicle Detection Signals Civil (ducting,chambers, sockets)  Road Lighting Columns Steel Lighting column of 10m nominal height	4	no	1500	55000 75000
1200/005 1200/006 1300/001	Signals Equipment  Vehicle Detection  Signals Civil (ducting,chambers, sockets)  Road Lighting Columns  Steel Lighting column of 10m nominal height  Electrical Works for Cable Trench and Duct				55000 75000 6000
1200/005 1200/006 1300/001	Signals Equipment Vehicle Detection Signals Civil (ducting,chambers, sockets)  Road Lighting Columns Steel Lighting column of 10m nominal height  Electrical Works for Cable Trench and Duct Trench for cable	45	m	100	55000 75000 6000 4500
1200/005 1200/006 1300/001	Signals Equipment  Vehicle Detection  Signals Civil (ducting,chambers, sockets)  Road Lighting Columns  Steel Lighting column of 10m nominal height  Electrical Works for Cable Trench and Duct	45	m	100	55000 75000 6000
1200/005 1200/006 1300/001 1400/001	Signals Equipment Vehicle Detection Signals Civil (ducting,chambers, sockets)  Road Lighting Columns Steel Lighting column of 10m nominal height  Electrical Works for Cable Trench and Duct Trench for cable	45	m	100	55000 75000 6000 4500 225
1200/005 1200/006 1300/001 1400/001	Signals Equipment Vehicle Detection Signals Civil (ducting,chambers, sockets)  Road Lighting Columns Steel Lighting column of 10m nominal height  Electrical Works for Cable Trench and Duct Trench for cable	45	m	100	55000 75000 6000 4500 225
1200/005 1200/006 1300/001 1400/001	Signals Equipment  Vehicle Detection  Signals Civil (ducting,chambers, sockets)  Road Lighting Columns  Steel Lighting column of 10m nominal height  Electrical Works for Cable Trench and Duct  Trench for cable  10 mm² 3 core cable with copper conductors laid in trench	45	m	100	55000 75000 6000 4500 225
1200/005 1200/006 1300/001	Signals Equipment Vehicle Detection Signals Civil (ducting,chambers, sockets)  Road Lighting Columns Steel Lighting column of 10m nominal height  Electrical Works for Cable Trench and Duct Trench for cable	45	m	100	55000 75000 6000 4500

Item	Description - Traffic Signal Proposal	Quantity	Unit	Rate	Amount
	Junction 3	•			
	Preliminaries				
100/001	Temporary Accomodation and Traffic Management	Management	33000		
	Site Clearance				
200/001	Removal of dis-used materials				11000
100/001 200/001 500/001 500/002 500/003 600/004 700/002 700/004 700/005 700/006 1100/003 1100/003 1100/003 1100/005 1100/005					
<b>=</b> 00/004				100	
	<u> </u>			+	0
		0			
500/003	Pre-cast concrete guily with D400 grating and frame	/	no	600	4200
	Farthworks				
600/001			m <sup>3</sup>	15	0
			+	-	0
			+		0
					0
2,301			† ···		1
	Pavement				
700/001	Type 1 Unbound mixture sub-base (150mm thick)	10	m³	40	400
700/002	Surface Course 40mm thick	710	m²	11	7810
700/003	Binder Course 60mm thick	90	m²	8	720
700/004	Base Layer 225mm thick	20	m³	22	440
700/005	Tack Coat	800	m²	0.5	400
700/006	Plane off Surface Course	710	m²	5	3550
	•	170	m	+	3400
1100/002	Pre-cast concrete Edgings		m	15	0
	Footways				
1100/003		320	m²	9	2880
					400
			_		0
1100/005		320	m²	0.5	160
	Road Markings				
	Continuous line in white thermoplastic screed with applied solid	115	l m	2	230
1200/001		refles ry Accomodation and Traffic Management  grance of dis-used materials  ternal diameter chamber with D400 grating and frame on of 1500 oncrete gully with D400 grating and frame on of 600  st st of materials fexcavated materials m² 15 fexcavated materials m² 25 reflection mixture sub-base (150mm thick) m² 25 reflection mixture sub-base (150mm thick) m² 11 reflection mixture sub-base (150mm thick) m² 25 reflection mixture sub-base (150mm thick) m² 25 reflection mixture sub-base (150mm thick) m² 26 reflection mixture sub-base (150mm thick) m² 27 reflection mixture sub-base (150mm thick) m² 20 refl	250		
	glass beads 75mm wide with 600 mm line and 600 mm gap.	115	m	100 1500 600 15 20 25 1 1 40 11 8 22 0.5 5	230
1200/002					
1200/003	Arrow in white reflectorised thermoplastic screed		no	25	0
	Traffic Signals				
1200/004					75000
1200/005					45000
1200/006					65000
	- Control (Control of Control of				1
	Road Lighting Columns				
1300/001	Steel Lighting column of 10m nominal height	4	no	1500	6000
1400/001					3900
1400/001	10 mm <sup>2</sup> 3 core cable with copper conductors laid in trench	130	m	5	650
			<b>_</b>	1	201070
				Tatal	
				Total	264370
	Eggs @ 10%			Total	
	Fees @ 10% Contigency @ 5%			Total	264370 26437 13218.5