

Appendix J – Cost Estimates

Hereford Eastern River Crossing (ERiC) (SOC)

Herefordshire Council

July 2023

Herefordshire Council	Client
EASTERN RIVER CROSSING -	Project Name
60695983	Project Number
1	Calculation number
Hannah Round	Prepared by
03/07/2023	Date
Amr Fondo	Chacked by

143,764,303.17

Title High-Level Construction Cost Estimate _Hereford Eastern Link Road - Option 1a SUMMARY SHEET

Series	Description	COST (£)
200	Site Clearance	60,470
300	Fencing	154,319
400	Safety Fencing, Barriers and Guard Rails	77,078
500	Drainage and Service Ducts	771,624
600	Earthworks	7,008,612
700	Pavement	1,884,302
1100	Footways and Paved Areas	812,973
1200	Traffic signs and Road Markings	24,362
1300	Lighting Columns and CCTV Masts	192,700
1400	Electrical Works for Lighting Columns and Traffic Signs	95,202
1700	Structural Concrete	1,986
2400	Brickwork, Blockwork and Stonework	-
2600	Miscellaneous	74,326
3000	Landscaping and Ecology	12,164
TSE	Traffic Signal Equipment	572,500
	Bridge Construction	29,727,900.00
	Flood Compensation	646,442.00
	Land take	214,500.00

Culvert Total Works Cost		Subtotal	5,573,750.00 48,713,174.94
PRELIMINARIES	20%		9,742,635
TRAFFIC MANAGEMENT	20%		2,348,523
C3 Utilities Cost	20%		9,742,635
Preliminary and Detailed Design Development (Provisional Fee)	10%		4,871,317
		Subtotal	75,632,785.86
			-
		Subtotal	75,632,785.86
Risk and Contingency	46%		34,791,081.50

TOTAL 110,423,867,36

This cost estimate is based on Drg numbers. 60695983-ACM-GEN-HC-DR-TR-000002

Total Cost (incl inflation)
The cost estimate is based on outline design drawing. No design has been developed yet for many elements including drainage, pavement, street lighting, etc. Quantities shown are indicative only. Further scheme development is required to refine the cost estimate.

Assumptions:

Assumptions:

1 No allowance for CPOs process
2 Earthworks estimated according to pavement assumptions.
3 No allowance made to improve any existing structural pavement defects, existing road specification / structures
4 No allowance for trees removal and associated costs.
5 No allowance for trees removal and associated costs.
5 No allowance for trees removal and associated costs.
6 No allowance for trees removal and associated costs.
7 No allowance for any potential costs in relation to environmental issues, habitat or sites of special scientific interest.
8 No allowance for many potential costs in relation to environmental issues, habitat or sites of special scientific interest.
8 No allowance for ground investigation.
9 No allowance for for purpostate to see for the Deficiation of Land. An indicative allowance has been included for potential land take costs based on experience from other projects
10 No allowance for the Deficiation of Land. An indicative allowance has been included for potential land take costs based on experience from other projects
10 No allowance for the Deficiation of Land. An indicative allowance for social contract documentation for appointment of Contraction of Environmental Structures (and the Costs based on experience from other projects
10 No allowance for tructering and contract documentation for appointment of Contraction including contractor profit and overhead
12 No allowance for trutering and contract documentation for appointment of Contraction for the Structures and Structures and Structures and Structures (and Structures) and Structure

Herefordshire Council	Client
EASTERN RIVER CROSSING -	Project Name
60695983	Project Number
1	Calculation number
Hannah Round	Prepared by
03/07/2023	Date
Amr Fonda	Checked by

£

145,305,347.12

Title High-Level Construction Cost Estimate _Hereford Eastern Link Road - Option 1b SUMMARY SHEET

Series	Description	COST (£)
200	Site Clearance	60,470
300	Fencing	154,319
400	Safety Fencing, Barriers and Guard Rails	77,078
500	Drainage and Service Ducts	771,624
600	Earthworks	7,279,956
700	Pavement	2,116,216
1100	Footways and Paved Areas	812,973
1200	Traffic signs and Road Markings	24,362
1300	Lighting Columns and CCTV Masts	192,700
1400	Electrical Works for Lighting Columns and Traffic Signs	95,202
1700	Structural Concrete	1,986
2400	Brickwork, Blockwork and Stonework	-
2600	Miscellaneous	74,326
3000	Landscaping and Ecology	14,597
TSE	Traffic Signal Equipment	572,500
	Bridge Construction	30,699,400.00
	Flood Compensation	646,442.00
	Land take	242,000,00

Land take Culvert Total Works Cost

PRELIMINARIES	20%		9,833,580.02
TRAFFIC MANAGEMENT	20%		2,449,661.62
C3 Utilities Cost	20%		9,833,580.02
Preliminary and Detailed Design Development (Provisional Fee)	10%		4,916,790.01
		Subtotal	76,443,511.78
			-
		Subtotal	76,443,511.78
Risk and Contingency	46%		35,164,015.42
		TOTAL	£ 111,607,527.20
		Inflation	£ 33,697,819.91

This cost estimate is based on Drg numbers. 60695983-ACM-GEN-HC-DR-TR-000002

Total Cost (incl Inflation
The cost estimate is based on outline design drawing. No design has been developed yet for many elements including drainage, pavement, street lighting, etc. Quantities shown are indicat Further scheme development is required to refine the cost estimate.

Assumptions: Total Cost (incl Inflation)

Assumptions:

1 No allowance for CPOs process
2 Earthworks estimated according to pavement assumptions.
3 No allowance made to improve any existing structural pavement defects, existing road specification / structures
4 No allowance for trees removal and associated costs.
5 No allowance for trees removal and associated costs.
5 No allowance for trees removal and associated costs.
6 No allowance for trees removal and associated costs.
7 No allowance for any potential costs in relation to environmental issues, habitat or sites of special scientific interest.
8 No allowance for many potential costs in relation to environmental issues, habitat or sites of special scientific interest.
8 No allowance for ground investigation.
9 No allowance for for purpostate to see for the Deficiation of Land. An indicative allowance has been included for potential land take costs based on experience from other projects
10 No allowance for the Deficiation of Land. An indicative allowance has been included for potential land take costs based on experience from other projects
10 No allowance for the Deficiation of Land. An indicative allowance for social contract documentation for appointment of Contraction of Environmental Structures (and the Costs based on experience from other projects
10 No allowance for tructering and contract documentation for appointment of Contraction including contractor profit and overhead
12 No allowance for trutering and contract documentation for appointment of Contraction for the Structures and Structures and Structures and Structures (and Structures) and Structure

Title High-Level Construction Cost Estimate _Hereford Eastern Link Road - Option 3a SUMMARY SHEET

Client	Herefordshire Council
Project Name	EASTERN RIVER CROSSING -
Project Number	60695983
Calculation number	1
Prepared by	Hannah Round
Date	03/07/2023
Checked by	Amr Fouda

Series	Description	COST (£)
200	Site Clearance	60,470
300	Fencing	154,319
400	Safety Fencing, Barriers and Guard Rails	77,078
500	Drainage and Service Ducts	771,624
600	Earthworks	10,569,904
700	Pavement	1,893,444
1100	Footways and Paved Areas	815,242
1200	Traffic signs and Road Markings	24,362
1300	Lighting Columns and CCTV Masts	192,700
1400	Electrical Works for Lighting Columns and Traffic Signs	95,202
1700	Structural Concrete	1,986
2400	Brickwork, Blockwork and Stonework	-
2600	Miscellaneous	74,326
3000	Landscaping and Ecology	12,223
TSF	Traffic Signal Equipment	687 000

Bridge Construction Flood Compensation Land take Culvert Total Works Cost

Subtotal

49,717,350.00 214,500,00 65.147.229.78

PRELIMINARIES	20%		13,029,445.96
TRAFFIC MANAGEMENT	20%		3,085,975.96
C3 Utilities Cost	20%		13,029,445.96
Preliminary and Detailed Design Development (Provisional Fee)	10%		6,514,722.98
		Subtotal	101,021,320.62
			-
		Subtotal	101,021,320.62
Risk and Contingency	46%		46,469,807.48

TOTAL £ 147,491,128.10 44,532,206.73 Inflation £

Total Cost (incl Inflation) £ 192,023,334.83

Notes

This cost estimate is based on Drg numbers. 60695983-ACM-GEN-HC-DR-TR-000002
The cost estimate is based on outline design drawing. No design has been developed yet for many elements including drainage, pavement, street lighting, etc. Quantities shown are indicative only. Forther scheme development is required to refine the cost estimate.

Assumptions:

- No allowance for CPOs process
 Earthworks estimated according to pavement assumptions.
 No allowance made to improve any existing structural pavement defects, existing road specification / structures
 No allowance for trees removal and associated costs.
 No allowance for trees removal and associated costs.
 No allowance for VAT beyond 2023

- 5 No allowance for tegal costs.
 6 No allowance for VAT beyond 2023
 7 No allowance for any potential costs in relation to environmental issues, habitat or sites of special scientific interest.
 8 No allowance for ground investigation.
 9 No allowance for ground investigation.
 9 No allowance for the Dedication of Land. An indicative allowance has been included for potential land take costs based on experience from other projects
 10 No allowance for Traffic Regulation Orders (TRO) and any associated TRO consultation.
 11 No allowance for Traffic Regulation Orders (TRO) and any associated TRO consultation.
 11 No allowance for Iraffic Regulation Orders (TRO) and any associated TRO consultation.
 11 No allowance for Iraffic Regulation Orders (TRO) and any associated TRO consultation.
 13 No allowance for Iraffic Regulation Orders (TRO) and any associated TRO consultation.
 14 No allowance for landscaping design.
 15 No allowance for unpraides to existing sorways estimated assumed connected to existing systems.
 16 No allowance for improving existing footways specification, i.e. existing footwa

Title High-Level Construction Cost Estimate _Hereford Eastern Link Road - Option 3b SUMMARY SHEET

Client	Herefordshire Council
Project Name	EASTERN RIVER CROSSING -
Project Number	60695983
Calculation number	1
Prepared by	Hannah Round
Date	03/07/2023
Checked by	Amr Fouda

Series	Description	COST (£)
200	Site Clearance	60,470
300	Fencing	154,319
400	Safety Fencing, Barriers and Guard Rails	77,078
500	Drainage and Service Ducts	771,624
600	Earthworks	10,842,564
700	Pavement	2,126,484
1100	Footways and Paved Areas	815,242
1200	Traffic signs and Road Markings	24,362
1300	Lighting Columns and CCTV Masts	192,700
1400	Electrical Works for Lighting Columns and Traffic Signs	95,202
1700	Structural Concrete	1,986
2400	Brickwork, Blockwork and Stonework	-
2600	Miscellaneous	74,326
3000	Landscaping and Ecology	14,668
TSE	Traffic Signal Equipment	687,000
·	Bridge Construction	51,342,100.00
	Flood Compensation	
	Land take	225,500.00
	Culvert	
	Total Works Cost Subtotal	67,280,124.26

PRELIMINARIES	20%		13,456,024.85
TRAFFIC MANAGEMENT	20%		3,187,604.85
C3 Utilities Cost	20%		13,456,024.85
Preliminary and Detailed Design Development (Provisional Fee)	10%		6,728,012.43
		Subtotal	104,333,291.24
			-
		Subtotal	104,333,291.24
Risk and Contingency	46%		47,993,313.97

TOTAL £ 152,326,605.20 45,992,189.23

> Total Cost £ 198,318,794.43

This cost estimate is based on Drg numbers. 60695983-ACM-GEN-HC-DR-TR-000002

The cost estimate is based on outline design drawing. No design has been developed yet for many elements including drainage, pavement, street lighting, etc. Quantities shown are indicative only. Further scheme development is required to refine the cost estimate.

Assumptions: