

NEC4 Engineering and Construction Short Contract

Crown Commercial Service RM6088 - Construction Works and Associated Services – Lot 1.2.2 Civil Engineering Works & Minor Associated Building Works & Services– South England

A contract between	The Environment Agency Horizon House Deanery Road Bristol BS1 5AH
And	JT Mackley & Co. Ltd
For	KSL Lower Mole Bridge Repair Works - Bridges Programme Package 1
	Contract Forms <ul style="list-style-type: none">- Contract Data- The <i>Contractor's</i> Offer and <i>Client's</i> Acceptance- Price List- Scope- Site Information

Contract Data

The *Client's* Contract Data

	The <i>Client</i> is	
Name	Environment Agency	
Address for communications	Medway House, Powder Mill Lane, Leigh, Tonbridge, TN11 9AS	
Address for electronic communications	[REDACTED]	
The <i>works</i> are	Design and build of expansion jointing, structural repairs, painting, resurfacing, waterproofing and embankment repairs at Package 1 Bridge assets described below.	
The <i>sites</i> are	Island Barn Bridge Walkway, TQ1444867188 Island Barn Bridge, TQ1444667199 Molember Boat Rollers, TQ1529368038 Royal Mills Staff Access Bridge, TQ1320065755 Royal Mills Channel Confluence, TQ1302665913 Viaduct Bridge, TQ1298965749 Viaduct Weir Walkway, TQ1298765737 Imber Court Loop Bridge, TQ1449367451 Zenith Weir Footbridge, TQ1526868170	
The <i>starting date</i> is	15/01/2024	
The <i>completion date</i> is	31/03/2025	
The <i>delay damages</i> are	Nil	Per day
The <i>period for reply</i> is	2	weeks
The <i>defects date</i> is	104	weeks after Completion
The <i>defects correction period</i> is	4	weeks
The <i>assessment day</i> is	the last working day	of each month

The retention is	Nil	%
The United Kingdom Housing Grants, Construction and Regeneration Act (1996) does apply		
The Adjudicator is :		
In the event that a first dispute is referred to adjudication, the referring Party at the same time applies to the Institution of Civil Engineers to appoint an <i>Adjudicator</i> . The application to the Institution includes a copy of this definition of the <i>Adjudicator</i> . The referring Party pays the administrative charge made by the Institution. The person appointed is also <i>Adjudicator</i> for later disputes.		

Contract Data

The Client's Contract Data

The interest rate on late payment is		% per complete week of delay.
Insert a rate only if a rate less than 0.5% per week of delay has been agreed.		
For any one event, the liability of the Contractor to the Client for loss of or damage to the Client's property is limited to	£100,000	
The Client provides this insurance	None	
Insurance Table		
Event	Cover	Cover provided until
Loss of or damage to the works	The replacement cost	The Client's certificate of Completion has been issued
Loss of or damage to Equipment, Plant and Materials	The replacement cost	The defects Certificate has been issued
The Contractor's liability for loss of or damage to property (except the works, Plant and Materials and Equipment) and for bodily injury to or death of a person (not an employee of the Contractor) arising from or in connection with the Contractor's Providing the Works	Minimum £5,000,000 in respect of every claim without limit to the number of claims	
Liability for death of or bodily injury to employees of the Contractor arising out of and in the course of their employment in connection with this contract	The amount required by the applicable law	

Failure of the <i>Contractor</i> to use the skill and care normally used by professionals providing works similar to the works	Minimum £1,000,000 in respect of every claim without limit to the number of claims	6 years following Completion of the whole of the works or earlier termination
The <i>Adjudicator nominating body</i> is		
		The Institution of Civil Engineers
The <i>tribunal</i> is		
		litigation in the courts
The <i>conditions of contract</i> are the NEC4 Engineering and Construction Short Contract June 2017 and the following additional conditions		
Only enter details here if additional conditions are required.		
Z1.0	Sub-contracting	
Z1.1	The <i>Contractor</i> submits the name of each proposed subcontractor to the <i>Client</i> for acceptance. A reason for not accepting the subcontractor is that their appointment will not allow the <i>Contractor</i> to Provide the Works. The <i>Contractor</i> does not appoint a proposed subcontractor until the <i>Client</i> has accepted them.	
Z1.2	Payment to subcontractors and suppliers will be no more than 30 days from receipt of invoice.	
Z2.0	Environment Agency as a regulatory authority	
Z2.1	The Environment Agency's position as a regulatory authority and as <i>Client</i> under the contract is separate and distinct. Actions taken in one capacity are deemed not to be taken in the other.	
Z2.2	Where statutory consents must be obtained from the Environment Agency in its capacity as a regulatory authority, the <i>Contractor</i> is responsible for obtaining these and paying fees (unless stated otherwise in the Scope). The <i>Client's</i> acceptance of a tender and the <i>Client's</i> instruction or variation of the works does not constitute statutory approval or consent.	
Z2.3	An action by the Environment Agency as regulatory authority is not in its capacity as <i>Client</i> and is not a compensation event.	
Z3.0	Confidentiality & Publicity	
Z3.1	The <i>Contractor</i> may publicise the works only with the <i>Client's</i> written agreement.	
Z4.0	Correctness of Site Information	
Z4.1	Site Information about the ground, subsoil, ducts, cables, pipes and structures is provided in good faith by the <i>Client</i> but is not warranted correct. The <i>Contractor</i> checks the correctness of any such Site Information they rely on for the purpose of Providing the Works.	
Z5.0	The Contracts (Rights of Third Parties) Act 1999	
Z5.1	For the purposes of the Contracts (Rights of Third Parties) Act 1999, nothing in this contract confers or purports to confer on a third party any benefit or any right to enforce a term of this contract.	
Z6.0	Design	
Z6.1	Where design is undertaken, it is the obligation of the <i>Contractor</i> to ensure the use of skill and care normally used by professionals providing similar design services.	
Z6.2	The <i>Contractor</i> designs the parts of the works which the Scope states they are to design.	
Z6.3	The <i>Contractor</i> submits the particulars of their design as the Scope requires to the <i>Client</i> for acceptance. A reason for not accepting the <i>Contractor's</i> design is that it does not comply with either the Scope or the applicable law. The <i>Contractor</i> does not proceed with the relevant work until the <i>Client</i> has accepted this design.	
Z6.4	The <i>Contractor</i> may submit their design for acceptance in parts if the design of each part can be assessed fully.	
Z7.0	Change to Compensation Events	
Z7.1	Delete the text of Clause 60.1(11) and replace by:	

	<p>The <i>works</i> are affected by any one of the following events</p> <ul style="list-style-type: none"> • War, civil war, rebellion revolution, insurrection, military or usurped power • Strikes, riots and civil commotion not confined to the employees of the <i>Contractor</i> and sub-contractors • Ionising radiation or radioactive contamination from nuclear fuel or nuclear waste resulting from the combustion of nuclear fuel • Radioactive, toxic, explosive or other hazardous properties of an explosive nuclear device • Natural disaster • Fire and explosion • Impact by aircraft or other device or thing dropped from them
Z8.0	Framework Agreement
Z9.0	Termination
Z9.1	<p>Delete the text of Clause 92.3 and replace with:</p> <p>If the <i>Contractor</i> terminates for Reason 1 or 6, the amount due on termination also includes 5% of any excess of a forecast of the amount due at Completion had there been no termination over the amount due on termination assessed as for normal payments.</p>
Z10.0	Data Protection
Z10.1	The requirements of the Data Protection Schedule shall be incorporated into this contract
Z11.0	Liabilities and Insurance
Z11.1	Civil data protection claims and regulatory fines for breaches of Data Protection Legislation are excluded from any limit of liability stated.
Z110	<p>Inflation</p> <p>At the Contract Date the total of the Prices does not include a sum to cover inflation.</p> <p>The total of the Prices [at the Contract Date] shall be adjusted by a fixed number of Price Adjustments.</p> <p>The number of Price Adjustments shall be equal to:</p> <p>The number of months between the Completion Date included at the Contract Date and the Contract Date.</p> <p>The proportion of Price Adjustment shall be equal to:</p> <p>The total of the Prices at the Contract Date / The number of Price Adjustments</p> <p>Each time the amount due is assessed, the Price Adjustment shall be:</p> <p>The proportion of Price Adjustment x [80% x CPI 1 – month rate]</p> <p>The CPI 1 – month rate shall be the value determined by the Office of National Statistics for the applicable month of the amount due assessment</p> <p>Provided always that the fixed number of Price Adjustments has NOT been exceeded.</p> <p>The Price Adjustment adjusts the total of the Prices.</p> <p>If a compensation event under this contract omits original Scope covered by the total of the Prices at the Contract Date the Price Adjustments made under this clause shall be corrected accordingly.</p>

Contract Data

The Contractor's Contract Data

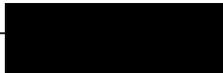
The Contractor is		
Name	JT Mackley & Co Ltd	
Address for communications	Bankside House, Henfield Road, Small Dole, West Sussex, BN5 9XQ	
Address for electronic communications	[REDACTED]	
The fee percentage is	[REDACTED]	%
The people rates are	As Framework	
category of person	unit	rate
Project Manager	Hour	[REDACTED]
Technical Services Manager	Hour	[REDACTED]
Designer	Hour	[REDACTED]
Quantity Surveyor	Hour	[REDACTED]
Foreman	Hour	[REDACTED]
The published list of Equipment is	CECA	
The percentage for adjustment for Equipment is	0%	

Contract Data

The *Contractor's* Offer and *Client's* Acceptance

The *Contractor* offers to Provide the Works in accordance with these *conditions of contract* for an amount to be determined in accordance with these *conditions of contract*.

The offered total of the Prices is



Enter the total of the Prices from the Price List.

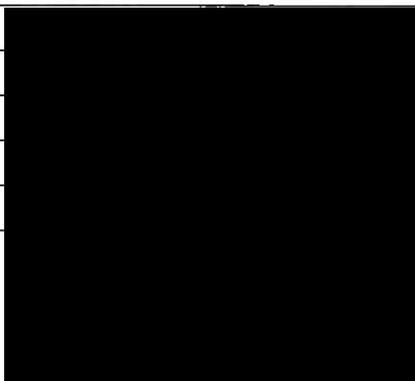
Signed on behalf of the *Contractor*

Name

Position

Signature

Date



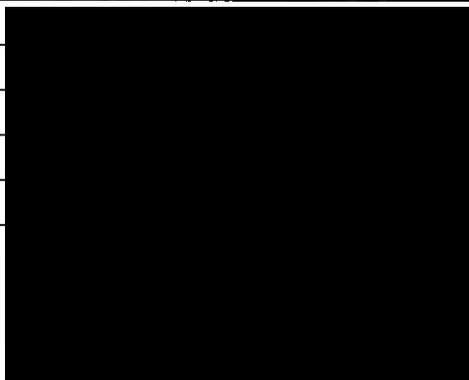
The *Client* accepts the *Contractor's* Offer to Provide the Works

Signed on behalf of the *Client*

Name

Position

Signature



Date	12/01/2024

Price List

Item Number	Description	Unit	Quantity
1	Preparation of a detailed Construction Phased Plan (CPP), Risk Assessment and Method Statements (RAMS) in accordance with the SHEW Code of Practice and any other information as per existing contract.	Sum	1
2	Preliminaries and supervision, including plant, labour and material	Per week	17
3	Mobilisation and establishment of works and full reinstatement and removal on completion.	Sum	1
4	Removal of vegetation to undertake the surveys, design and construction works.	Sum	1
5	Maintain suitable site welfare security fencing and compound.	Per Week	17
6	Preparation of As-built drawings and provision of Health and Safety File.	Sum	1
7	Island Barn Bridge Walkway:	Unit	Quantity
7.1	Detailed design of the repair works	Sum	1
7.2	Ecological survey and walkovers	Sum	1
7.3	Precondition photographic survey	Sum	1
7.4	Removal and replacement of movement joints at the end of the carriageway and wing walls.	Per m	12m
7.5	Clean and patch repaint parapets where parapets are corroded. by mechanically removing paint and corrosion to ST3 surface preparation and apply an appropriate corrosion protective paint system to 20m - Including Erection, hire and weekly inspections of encapsulated scaffolding.	Per m	20m2
7.6	Refurbish access gate by mechanically removing paint surface and any rust/corrosion. to ST3 surface for preparation and application of a suitable corrosion protective paint system	Sum	1
7.7	Removal of vegetation from the surfacing to undertake a survey to assess the extent of deterioration and delamination of surfacing and make recommendation should patch repairs or full replacement of surfacing be required.	Per m ²	40
7.8	Supply and install housing and life buoy ring. See location for installation	Sum	1
7.9	Waste disposal	m ³	1
8	Island Barn Bridge:	Unit	Quantity
8.1	Detailed design of the repair works	Sum	1

8.2	Ecological survey and walkovers	Sum	1
8.3	Precondition photographic survey	Sum	1
8.4	Removal and Replacement of movement joints, jointing works and repair concrete nosing at the ends of the carriageway.	Per m	12m
8.5	Repaint sheet piling on Northern wing walls. Mechanical removal of paint and corrosion to ST3 surface preparation, and application of an appropriate corrosion protective paint system where the paint has failed.	Per m	25
8.6	Survey and replace parapet mesh panels - 360mm x 240mm and 490mm x 250mm.	Each	2
8.7	Repair downstream apron if found to be failed replace with suitable rock filled mattresses total area 10m x 15m. - Carry out visual surveys only - Isolation of water using EA provided stop logs and Hi-Ab and existing gates, includes allowance for fish recovery in trapped area	Sum	1
8.8	Repair broken concrete to northeast wing wall capping beam with suitable non shrink grout total area 500mm x 500mm.	Per m ²	0.2
8.9	Waste disposal	m ³	1
8.10	Repainting of 75m of parapet.	m ²	90
9	Molemer Boat Rollers:	Unit	Quantity
9.1	Detailed design of the repair works	Sum	1
9.2	Ecological survey and walkovers	Sum	1
9.3	Precondition photographic survey	Sum	1
9.4	If capping beam soffit, is found to be defective breakout defective area and repair with a non-shrink R4 repair grout or similar suitable product area 0.3m x 0.3m.	Per m ²	0.25
9.5	Install a suitable bird deterrent on the bearing shelves.	Per m	75
9.6	Install replacement of failed expansion joint between slipway apron and canal wall and apply a polysulphide joint sealant on a like for like basis.	Per m	15
9.7	Install a replacement of all deteriorated expansion joints and apply a polysulphide joint sealant on a like for like basis.	Per m	30
9.8	Mechanical removal of failed parapet paintwork to ST3 surface preparation and application of an appropriate corrosion protective paint system. Including Erection, hire and weekly inspections of encapsulated scaffolding -	m ²	75
9.9	Replacement of grout beneath parapet base plate. Clean and patch repair with no-shrink grout approximately 300mm x 300mm.	Sum	1
9.10	Repair crack in slipway by saw cutting 12mm wide by 20mm deep and applying a polysulphide joint sealant or similar suitable material to approximately 3.5m.	Sum	1

9.11	Repaint wingwalls where corrosion staining is present by mechanical removal of paint and to a ST3 surface preparation and application of an appropriate corrosion protective paint system total area of 0.5m x 0.5m.	Sum	1
9.12	Waste disposal	m ³	1
10	Royal Mills Staff Access Bridge:	Unit	Quantity
10.1	Detailed design of the repair works	Sum	1
10.2	Ecological survey and walkovers	Sum	1
10.3	Precondition photographic survey	Sum	1
10.4	Refurbishment of all corroded steel members. by mechanical removal of paint and corrosion to ST3 surface preparation, over plating where required and application of an appropriate corrosion protective paint system. Note over plating will require a structural design	Per m ²	75
10.5	Waste disposal	m ³	1
11	Royal Mills Channel Confluence:	Unit	Quantity
11.1	Detailed design of the repair works	Sum	1
11.2	Ecological survey and walkovers	Sum	1
11.3	Precondition photographic survey	Sum	1
11.4	Re-waterproof and re-surface bridge.	Per m ²	75
11.5	Repair spalled concrete to parapet beam.	Per m ²	1
11.6	Replacement of movement joints on a like for like basis approximate length 18m.	Per m ²	18
11.7	Repair nosing/verge/kerb to movement joint.	Per m	18
11.8	Repair 5mm wide crack in upstand verges, clean and repair crack with non-shrink grout	Per m	2
11.9	Waste disposal	m ³	1
12	Imber Court Loop Bridge:	Unit	Quantity
12.1	Detailed design of the repair works	Sum	1
12.2	Ecological survey and walkovers	Sum	1
12.3	Precondition photographic survey	Sum	1
12.4	Refurbish and paint parapets. Paint repair shall include mechanical removal of paint to ST3 surface preparation and application of an appropriate corrosion protective paint system up to length of 20m.	Per m	20
12.5	Replacement of 7 no. damaged or missing parapet mesh panels.	Sum	1
12.6	Resurface/dress carriageway with bitumen layer on a like-for-like basis.	Per m ²	30
12.7	Reinstate and fill in bank where eroded and provide soil stabiliser matting and seeded topsoil.	Per m ²	4
12.8	Supply and installation of weight limit sign.	Sum	1
12.9	Waste disposal	m ³	1

13	Zenith Weir Footbridge:	Unit	Quantity	Rate	Price
13.1	Detailed design of the repair works	Sum	1		
13.2	Ecological survey and walkovers	Sum	1		
13.3	Precondition photographic survey	Sum	1		
13.4	Repair spalling and corroded reinforcement on soffit of deck rear.	Per m ²	2.5		
13.5	Refurbish all of the I-beam steel piers, side channels and back-to-back channel capping and bearing beams. Mechanical removal of corrosion to ST3 surface preparation and application of an appropriate corrosion protective paint system. Over plate areas of piers with insufficient thickness and section loss.	Sum	1		
13.6	Replace movement joints in bridge deck on like for like basis.	Per m	5.5		
13.7	Repaint handrailing. Paint repair should include mechanical removal of paint to ST3 surface preparation and application of an appropriate corrosion protective paint system.	Per m	60		
13.8	Repoint around bricks in service housing.	Sum	1		
13.9	Waste disposal	m ³	1		
14	Viaduct Bridge:	Unit	Quantity		
14.1	Detailed design of the repair works	Sum	1		
14.2	Ecological survey and walkovers	Sum	1		
14.3	Precondition photographic survey	Sum	1		
14.4	Infill anchor holes to bridge parapet beams and wing wall capping beams, and repair spalled concrete to south parapet beam.	Sum	1		
14.5	Remove any loose debris and apply non-shrink grout to spalled area. Area 300mm x 300mm.	Sum	1		
14.6	Replace movement joints and repair nosing: Repair concrete nosing at the ends of the carriageway with a non-shrink grout.	Per m	16		
14.7	Repaint sheet piles on northern wing walls.	Per m	25		
14.8	Repair parapet by designing and installing end plates to horizontal members of parapet.	Sum	1		
14.9	Replacement of timber fencing.	Per m	25		
14.10	Supply and Installation Weight limit signs.	Sum	1		
14.11	Waste disposal	m ³	1		
15	Viaduct Weir Walkway:	Unit	Quantity		
15.1	Detailed design of the repair works	Sum	1		
15.2	Ecological survey and walkovers	Sum	1		
15.3	Precondition photographic survey	Sum	1		
15.4	Fill all exposed bolt holes in the parapet beams.	Sum	1		

15.5	Replacement of movement joints at the ends of the carriageway and wing walls.	Per m	15
15.6	Clean and refurbish walkway supports and gratings – survey, clean and patch repaint walkway supports and gratings where required. Where corroded, mechanically remove paint and corrosion to ST3 surface preparation of affected areas and apply an appropriate corrosion protective paint system	Sum	1
15.7	Repair defects to parapets, apply a non-shrink grout to the basis of the parapets where required. Fill any bolt holes with a non-shrink grout where required and replace missing bolts.	Sum	1
15.8	Repair cracks in wing walls by saw cutting 12mm wide 20mm deep and applying an appropriate polysulphide joint sealant or similar material.	Per m	10
15.9	Waste disposal	m ³	1
Sub-total of Lower Mole Bridge Repairs Work			
Optional 1	Zenith eel pass – fixed price – based on works being carried out concurrently with Bridge repairs		
Optional 1.1	Receive and review the approved design	Sum	1
Optional 1.2	Application of FRAP (Flood Risk Activity Permit)	Sum	1
Optional 1.3	Provision of RAMS and Construction Phase Plan.	Sum	1
Optional 1.4	Design of Temporary Works	Sum	1
Optional 1.5	Supply and Installation of Temporary Works	Sum	1
Optional 1.6	Provision of fish rescue	Sum	1
Optional 1.7	Fabrication and delivery of the eel pass	Sum	1
Optional 1.8	Installation of the eel pass	Sum	1
Optional 1.9	SAT (Site Acceptance Test).	Sum	1
Optional 1.10	Reinstatement of work and access areas.	Sum	1
Optional 1.11	Contribution to the Health and Safety File	Sum	1
Optional 1.12	Provision of As-Built Drawings	Sum	1
Optional 1.13	Waste Disposal	m ³	1
	Rescue plan	Sum	1
	Supervision	Sum	1
	Welfare and site facilities	Weeks	4

	Mobilisation	Sum	1
	Demobilisation	Sum	1
Optional 2	Health and Safety Works		
Optional 2.0	Provision of RAMS, Construction Phase Plan and Environmental Action Plan (EAP)	Sum	1
2.1	Lower Mole FAS Fencing and Security Works		
2.1-1	Design of the security works	Sum	1
	Molemember Sluice and Entrance to Ashcot		
2.1-5	Install 1.4m high green chain link on galv. Posts on RHS. – Allowed 10m	Sum	1
	Island Barn Protection and Sluice Gate Area		
2.1-13	Replace damaged chain link fencing with palisade fencing.	Lm	60
2.1-14	Fix grating/ metal gridwork on the bridge. – 4 new panels	Sum	1
2.1-15	Installation of handrail on LHS of canoers steps	Sum	1
2.1-16	Installation of handrail on LHS of canoers steps (separate staircase to 2.1-15)	Sum	1
2.1-17	Installation of fantail fencing next to access gate.	Sum	1
2.1-18	Replace gates at upstream point of site.	Sum	1
	Campsite Area Between Viaduct & Island Barn Sluice		
2.1-19	Replace posts and access gates on both sides of the bank that are failing.	Sum	1
	Viaduct Sluice Protection		
2.1-20	Replacing of fencing on RHS of right bank up to palisade fencing	Lm	140
2.1-21	Replace wooden fencing or broken wooden beams.	Sum	1
2.1-22	Fix access gate which has dropped and ensure locking mechanism lines up.	Sum	1
	Riverbank Upstream of the Control Station & Sluice		
2.1-23	Extend the handrail along the river bank, upstream of the control station and sluice.	Sum	1
2.1-24	Install new security fencing.	m	20
	Viaduct Control Hut		
2.1-25	Protection works on the control station.	m	8
2.1-26	Installation of Fan Tail End	Sum	1
2.1-27	Waste disposal	m ³	1
2.1-28	Reinstatement of work and access areas.	Sum	1
2.2	Lower Mole River Bank Security and Protection Works		
2.2-1	Design of the security works	Sum	1
	At location 1		
2.2-2	Remove and recycle/dispose of existing access gates.	Sum	1
2.2-3	Install replacement access gates	Sum	1

	At location 2		
2.2-4	Either cut lower steelwork off and install a larger plate to cover the hole or weld plating around the existing fencing to fill the gaps. – Additional infill priced	Sum	1
2.2-5	Weld additional grating	Sum	1
2.2-6	Install sign between the bank and the asset.	Sum	1
	At location 3		
2.2-7	Install hinge cover in the grating.	Sum	1
	At location 4		
2.2-8	Install plating/ grating on vertical rises between the 4 steps. Cut back the foliage/nettles to prevent stinging.	Sum	1
	At location 5		
2.2-9	Track remedial work on left and right side of bank, depressions filled and levelled so the track conditions are restored.- Excluded subject to confirmation of clients requirements and design.	Sum	1
	At location 6		
2.2-10	Fill the hole and level.	Sum	1
	At location 7		
2.2-11	Cutting back vegetation and sycamore trees on right hand bank	Sum	1
	At location 9		
2.2-14	Replace missing sections of gate.	m	5.5
	At location 10		
2.2-15	Provide steps to ensure safe access down to the water level. Length approx. 5m – Prov sum pending design	Sum	1
	At location 13		
2.2-23	Carry out maintenance to ensure the gates can open and close as intended.	Sum	1
2.2-24	Waste disposal	m ³	1
2.2-25	Reinstatement of work and access areas.	Sum	1
viaduct Sluice Gate Area – not detailed	Not pictured - Additional works identified on site walkround - damage to existing palisade fencing gate , metalwork bent back and snapped off to gain access = allow for 2 aluminium chequer plates fixed to the remaining gate sections with rivets or vandal proof fixings, each gate leaf allow for 2.4m wide x 1m high, to be site measured and cut on site	Sum	1
	Risk		
	Weather risk – Lost time	Sum	1
	Inflation on materials – Covered by clause Z110	Sum	1
	Failure or unavailability of sub contractors	Sum	1
	Inaccurate production figures	Sum	1
	Pollution incident	Sum	1
	Damage to existing infrastructure – Access routes and compounds	Sum	1

	Damage to existing infrastructure – Work Areas	Sum	1
	Ecological incident	Sum	1
	Additional surveys / Licences	Sum	1
	Additional works to reconfigure / remove scaffolding at high river flows	Sum	1
	Time risk Allowance	Sum	1
	Please note that Optional item 1 and 2 may be instructed at the <i>Client's</i> discretion.		
		The total of the Prices	

The method and rules used to compile the Price List are

Civil Engineering Standard Method of Measurement 4th edition (CESMM4) as per the Framework Price Workbook.

Scope

1. Description of the works

The *Contractor* shall complete the **Nineteen** activities listed below that constitute the scope of works around assets at the **Island Barn Bridge Walkway, TQ1444867188** and **Island Barn Bridge, TQ1444667199** locations, to maintain and prolong the life of the assets. The works here include: -

- 7.1 **Island Barn Bridge Walkway:** Detailed design of the repair work.
- 7.2 **Island Barn Bridge Walkway:** Ecological survey and walkovers.
- 7.3 **Island Barn Bridge Walkway:** Precondition photographic survey of working areas and access routes and photographs and video footage both prior to commencement and after completion for comparative purposes.
- 7.4 **Island Barn Bridge Walkway:** Removal and replacement of movement joints at the end of the carriageway and wing walls on a like for like basis to a length of 12m as detailed in Tony Gee report A121063-TGEE-03-XX-RP-C-0001
- 7.5 **Island Barn Bridge Walkway:** Clean and patch repaint parapets where parapets are corroded by mechanically removing paint and corrosion to ST3 surface preparation and apply an appropriate corrosion protective paint system to 20m as detailed in Tony Gee report A121063-TGEE-03-XX-RP-C-0001 – Item 7.5

- 7.6 Island Barn Bridge Walkway:** Refurbish access gate by mechanically removing paint surface and any rust/corrosion to ST3 surface for preparation and application of a suitable corrosion protective paint system as detailed in Tony Gee report A121063-TGEE-03-XX-RP-C-0001
- 7.7 Island Barn Bridge Walkway:** Removal of vegetation from the surfacing to undertake a survey to assess the extent of deterioration and delamination of surfacing and make recommendation should patch repairs or full replacement of surfacing be required, then do so on a like for like basis as required. The survey shall also assess the waterproofing below surfacing and patch repair/replace or add waterproofing as required as detailed in Tony Gee report A121063-TGEE-03-XX-RP-C-0001
- 7.8 Island Barn Bridge Walkway:** Supply and install housing and life buoy ring as detailed in Tony Gee report A121063-TGEE-03-XX-RP-C-0001
- 7.9 Island Barn Bridge Walkway:** All surplus wastes generated by the works to be disposed of off-site in accordance with the current Waste Management Regulations with evidence provided for audit purposes.
- 8.1 Island Barn Bridge:** Detailed design of the repair work.
- 8.2 Island Barn Bridge:** Ecological survey and walkovers.
- 8.3 Island Barn Bridge:** Precondition photographic survey of working areas and access routes and photographs and video footage both prior to commencement and after completion for comparative purposes.
- 8.4 Island Barn Bridge:** Removal and replacement of movement joints, jointing works and repair concrete nosing at the ends of the carriageway with a suitable non-shrink grout or more suitable product. Replacement of movement joints at the end of the carriageway and wing walls on a like for like basis to a length of 12m as detailed in Tony Gee report A121063-TGEE-04-XX-RP-C-0001
- 8.5 Island Barn Bridge:** Repaint 25m of sheet piling on northern wing walls. Mechanical removal of paint and corrosion to ST3 surface preparation, and application of an appropriate corrosion protective paint system where the paint has failed as detailed in Tony Gee report A121063-TGEE-04-XX-RP-C-0001
- 8.6 Island Barn Bridge:** Replace 2nr parapet mesh panels approximate size to be confirmed by survey 360mm x 240mm and 490mm x 250mm as detailed in Tony Gee report A121063-TGEE-04-XX-RP-C-0001
- 8.7 Island Barn Bridge:** Survey and repair downstream apron if found to be failed replace with suitable rock filled mattresses total area 10m x 15m as detailed in Tony Gee report A121063-TGEE-04-XX-RP-C-0001
- 8.8 Island Barn Bridge:** Repair broken concrete to northeast wing wall capping beam with suitable non shrink grout total area 500mm x 400mm as detailed in Tony Gee report A121063-TGEE-04-XX-RP-C-0001.
- 8.9 Island Barn Bridge:** All surplus wastes generated by the works to be disposed of off-site in accordance with the current Waste Management Regulations with evidence provided for audit purposes.
- 8.10 Island Barn Bridge:** Mechanical removal of paint and corrosion to ST3 surface preparation, and application of an appropriate corrosion protective paint system where the paint has failed or where there is corrosion to the welds. Total approximate length of 75m.

The *Contractor* shall complete the **Twelve** activities listed below that constitute the scope of works around assets at the **Molember Boat Rollers**, TQ1529368038 location, to maintain and prolong the life of the assets. The works here include: -

- 9.1 Molember Boat Rollers:** Detailed design of the repair work.
- 9.2 Molember Boat Rollers:** Ecological survey and walkovers.
- 9.3 Molember Boat Rollers:** Precondition photographic survey of working areas and access routes and photographs and video footage both prior to commencement and after completion for comparative purposes.
- 9.4 Molember Boat Rollers:** Clean and survey the capping beam soffit, if it is found to be defective breakout defective area and repair with a non-shrink R4 repair grout or similar suitable product area 0.3m x 0.3m as detailed in Tony Gee report A121063-TGEE-12-XX-RP-C-0001
- 9.5 Molember Boat Rollers:** Survey, design and install a suitable bird deterrent on the bearing shelves 75m as detailed in Tony Gee report A121063-TGEE-12-XX-RP-C-0001
- 9.6 Molember Boat Rollers:** Design and install replacement of failed expansion joint between slipway apron and canal wall and apply a polysulphide joint sealant on a like for like basis up to 15m as detailed in Tony Gee report A121063-TGEE-12-XX-RP-C-0001

- 9.7 **Molember Boat Rollers:** Design and install a replacement of all deteriorated expansion joints and apply a polysulphide joint sealant on a like for like base up to 30m as detailed in Tony Gee report A121063-TGEE-12-XX-RP-C-0001
- 9.8 **Molember Boat Rollers:** Mechanical removal of failed parapet paintwork to ST3 surface preparation and application of an appropriate corrosion protective paint system as detailed in Tony Gee report A121063-TGEE-12-XX-RP-C-0001
- 9.9 **Molember Boat Rollers:** Replacement of grout beneath parapet base plate. Clean and patch repair with no-shrink grout approximately 300mm x 300mm as detailed in Tony Gee report A121063-TGEE-12-XX-RP-C-0001
- 9.10 **Molember Boat Rollers:** Repair crack in slipway by saw cutting 12mm wide by 20mm deep and applying a polysulphide joint sealant or similar suitable material to approximately 3.5m as detailed in Tony Gee report A121063-TGEE-12-XX-RP-C-0001
- 9.11 **Molember Boat Rollers:** Repaint wingwalls where corrosion staining is present by mechanical removal of paint and to a ST3 surface preparation and application of an appropriate corrosion protective paint system total area of 0.5m x 0.5m as detailed in Tony Gee report A121063-TGEE-12-XX-RP-C-0001.
- 9.12 **Molember Boat Rollers:** All surplus wastes generated by the works to be disposed of off-site in accordance with the current Waste Management Regulations with evidence provided for audit purposes.

The *Contractor* shall complete the **Fourteen** activities listed below that constitute the scope of works around assets at the **Royal Mills Staff Access Bridge, TQ1320065755 and Royal Mills Channel Confluence, TQ1302665913** locations, to maintain and prolong the life of the assets. The works here include: -

- 10.1 **Royal Mills Staff Access Bridge:** Detailed design of the repair work.
- 10.2 **Royal Mills Staff Access Bridge:** Ecological survey and walkovers.
- 10.3 **Royal Mills Staff Access Bridge:** Precondition photographic survey of working areas and access routes and photographs and video footage both prior to commencement and after completion for comparative purposes.
- 10.4 **Royal Mills Staff Access Bridge:** Refurbishment of steel members by mechanical removal of paint and corrosion to ST3 surface preparation, over plating where required and application of an appropriate corrosion protective paint system. Note over plating will require a structural design as detailed in Tony Gee report A121063-TGEE-08-XX-RP-C-0001
- 10.5 **Royal Mills Staff Access Bridge:** All surplus wastes generated by the works to be disposed of off-site in accordance with the current Waste Management Regulations with evidence provided for audit purposes.
- 11.1 **Royal Mills Channel Confluence:** Detailed design of the repair work.
- 11.2 **Royal Mills Channel Confluence:** Ecological survey and walkovers.
- 11.3 **Royal Mills Channel Confluence:** Precondition photographic survey of working areas and access routes and photographs and video footage both prior to commencement and after completion for comparative purposes.
- 11.4 **Royal Mills Channel Confluence:** Re-waterproof and re-surface bridge by removing existing surfacing, kerbs and break out concrete infill to verge. Kerbs are to be re-used where possible. Waterproof deck and minimum 100mm height of inner face of parapet beam with a suitable waterproofing system with an intended minimum working life of 25-years. Replace kerbs and concrete infill to verge and re-surface with hot rolled asphalt. Total approximate area 75m² as detailed in Tony Gee report A121063-TGEE-07-XX-RP-C-0001
- 11.5 **Royal Mills Channel Confluence:** Repair spalled concrete to parapet beam with non-shrink grout or similar appropriate material approximate area 100mm x 100mm as detailed in Tony Gee report A121063-TGEE-07-XX-RP-C-0001
- 11.6 **Royal Mills Channel Confluence:** Replacement of movement joints on a like for like basis to 18m length.
- 11.7 **Royal Mills Channel Confluence:** Replacement of movement joints on a like for like basis approximate length 18m. Repair nosing/verge/kerb to movement joint approximately 100mm x 100mm. as detailed in Tony Gee report A121063-TGEE-07-XX-RP-C-0001
- 11.8 **Royal Mills Channel Confluence:** Repair 5mm wide crack in upstand verges, clean and repair crack with non-shrink grout approximate length 300mm as detailed in Tony Gee report A121063-TGEE-07-XX-RP-C-0001
- 11.9 **Royal Mills Channel Confluence:** All surplus wastes generated by the works to be disposed of off-site in accordance with the current Waste Management Regulations with evidence provided for audit purposes.

The *Contractor* shall complete the **Nine** activities listed below that constitute the scope of works around assets at the **Imber Court Loop Bridge**, TQ1449367451, to maintain and prolong the life of the assets. The works here include:

- 12.1 **Imber Court Loop Bridge:** Detailed design of the repair work.
- 12.2 **Imber Court Loop Bridge:** Ecological survey and walkovers.
- 12.3 **Imber Court Loop Bridge:** Precondition photographic survey of working areas and access routes and photographs and video footage both prior to commencement and after completion for comparative purposes.
- 12.4 **Imber Court Loop Bridge:** Refurbish parapets. Paint repair shall include mechanical removal of paint to ST3 surface preparation and application of an appropriate corrosion protective paint system up to length of 20m.
- 12.5 **Imber Court Loop Bridge:** Replacement of 7no. damaged or missing parapet mesh panels. Consider welding to main parapet beams to help prevent further vandalism.
- 12.6 **Imber Court Loop Bridge:** Resurface/dress carriageway with bitumen layer on a like-for-like basis. Total approximate area of 5m x 6m.
- 12.7 **Imber Court Loop Bridge:** Reinstate and fill in bank where eroded and provide soil stabiliser matting and seeded topsoil. Approximate area 4m.
- 12.8 **Imber Court Loop Bridge:** Supply and Install vandalised weight limit sign.
- 12.9 **Imber Court Loop Bridge:** All surplus wastes generated by the works to be disposed of off-site in accordance with the current Waste Management Regulations with evidence provided for audit purposes.

The *Contractor* shall complete the **Nine** activities listed below that constitute the scope of works around assets at the **Zenith Weir Footbridge**, TQ1526868170, to maintain and prolong the life of the assets. The works here include:

- 13.1 **Zenith Weir Footbridge:** Detailed design of the repair work.
- 13.2 **Zenith Weir Footbridge:** Ecological survey and walkovers.
- 13.3 **Zenith Weir Footbridge:** Precondition photographic survey of working areas and access routes and photographs and video footage both prior to commencement and after completion for comparative purposes.
- 13.4 **Zenith Weir Footbridge:** Repair spalling and corroded reinforcement on soffit of deck rear. Approximate total area is 1m by 2.5m. Break out defective area, mechanically clean reinforcement to minimum ST3 standard, apply primer and fill area with non-shrink R4 repair grout.
- 13.5 **Zenith Weir Footbridge:** Design and Refurbish the I-beam steel piers, side channels and back-to-back channel capping and bearing beams. Mechanical removal of corrosion to ST3 surface preparation and application of an appropriate corrosion protective paint system. Over plate areas of piers with insufficient thickness and section loss.
- 13.6 **Zenith Weir Footbridge:** Replace movement joints in bridge deck on like for like basis with approximate length of 5.4m. Remove failed joints, properly clean gaps and seal with polysulphide sealant.
- 13.7 **Zenith Weir Footbridge:** Repaint handrailing (approximate length of 60m). Paint repair should include mechanical removal of paint to ST3 surface preparation and application of an appropriate corrosion protective paint system.
- 13.8 **Zenith Weir Footbridge:** Survey and Repoint around bricks in service housing.
- 13.9 **Zenith Weir Footbridge:** All surplus wastes generated by the works to be disposed of off-site in accordance with the current Waste Management Regulations with evidence provided for audit purposes.

The *Contractor* shall complete the **Twenty** activities listed below that constitute the scope of works around assets at the **Viaduct Bridge**, TQ1298965749 and **Viaduct Weir Walkway**, TQ1298765737 locations, to maintain and prolong the life of the assets. The works here include:

- 14.1 **Viaduct Bridge:** Detailed design of the repair work.
- 14.2 **Viaduct Bridge:** Ecological survey and walkovers.
- 14.3 **Viaduct Bridge:** Precondition photographic survey of working areas and access routes and photographs and video footage both prior to commencement and after completion for comparative purposes.

- 14.4 Viaduct Bridge:** Infill anchor holes to bridge parapet beams and wing wall capping beams, and repair spalled concrete to south parapet beam. Infill exposed holes to parapet beams and capping beams with a cementitious non-shrink grout. Repair spalled concrete to southern parapet beam
- 14.5 Viaduct Bridge:** Infill 20nr. Holes removing any loose debris and apply non-shrink grout to spalled area. Area 300mm x 300mm as detailed in Tony Gee report A121063-TGEE-06-XX-RP-C-0001
- 14.6 Viaduct Bridge:** Replace movement joints and repair nosing: Repair concrete nosing at the ends of the carriageway with a non-shrink grout. Replace movement joints at the ends of the carriageway and wing walls on a like for like basis. Total approximate length of 16m as detailed in Tony Gee report A121063-TGEE-06-XX-RP-C-0001
- 14.7 Viaduct Bridge:** Repaint sheet piles on northern wing walls by mechanically removing paint and corrosion to ST3 surface preparation and apply an appropriate corrosion protective paint system to total length of 25m as detailed in Tony Gee report A121063-TGEE-06-XX-RP-C-0001
- 14.8 Viaduct Bridge:** Repair parapet by designing and installing end plates to horizontal members of parapet 2no as detailed in Tony Gee report A121063-TGEE-06-XX-RP-C-0001
- 14.9 Viaduct Bridge:** Replacement of timber fencing 25m long 95mm x 75mm section timber fencing back from the end of the east wing wall ensuring the gap is closed where the timber fence meets the galvanised steel fencing to close the current 500mm leading edge as detailed in Tony Gee report A121063-TGEE-06-XX-RP-C-0001
- 14.10 Viaduct Bridge:** Supply and Installation of 2no. Weight limit signs, one at the approach of each direction of bridge crossing as detailed in Tony Gee report A121063-TGEE-06-XX-RP-C-0001
- 14.11 Viaduct Bridge:** All surplus wastes generated by the works to be disposed of off-site in accordance with the current Waste Management Regulations with evidence provided for audit purposes.
- 15.1 Viaduct Weir Walkway:** Detailed design of the repair work.
- 15.2 Viaduct Weir Walkway:** Ecological survey and walkovers.
- 15.3 Viaduct Weir Walkway:** Precondition photographic survey of working areas and access routes and photographs and video footage both prior to commencement and after completion for comparative purposes.
- 15.4 Viaduct Weir Walkway:** Fill all exposed bolt holes in the parapet beams and pier with appropriate non-shrink grout as detailed in Tony Gee report A121063-TGEE-05-XX-RP-C-0001
- 15.5 Viaduct Weir Walkway:** Replacement of movement joints at the ends of the carriageway and wing walls on a like for like basis. Total length up to 15m as detailed in Tony Gee report A121063-TGEE-05-XX-RP-C-0001
- 15.6 Viaduct Weir Walkway:** Clean and refurbish walkway supports and gratings – survey, clean and patch repaint walkway supports and gratings where required. Where corroded, mechanically remove paint and corrosion to ST3 surface preparation of affected areas and apply an appropriate corrosion protective paint system as detailed in Tony Gee report A121063-TGEE-05-XX-RP-C-0001
- 15.7 Viaduct Weir Walkway:** Repair defects to parapets, apply a non-shrink grout to the basis of the parapets where required. Fill any bolt holes with a non-shrink grout where required and replace missing bolts. Reorientate the key clamp parapet supports in correct orientation as detailed in Tony Gee report A121063-TGEE-05-XX-RP-C-0001
- 15.8 Viaduct Weir Walkway:** Repair cracks in wing walls by saw cutting 12mm wide 20mm deep and applying an appropriate polysulphide joint sealant or similar material. Approximated length is 10m to be confirmed by *Contractor* as detailed in Tony Gee report A121063-TGEE-05-XX-RP-C-0001.
- 15.9 Viaduct Weir Walkway:** All surplus wastes generated by the works to be disposed of off-site in accordance with the current Waste Management Regulations with evidence provided for audit purposes.

The *Contractor* shall also:

- Prepare a Construction Phase Plan(s) (CPP) that covers the activities listed above.
- Complete the temporary works design where appropriate, Buildability Statement, RAG list and Designers Risk Assessment. This must be submitted to the Principal Designer or the *Client's* CDM Advisor as early as practical but at least a minimum of 10 working days prior to the planned start of any construction phase (including advanced works, site investigation or other construction activities).
- Prepare a Risk Assessment and Method Statement outlining their Method of Works and any associated risks and mitigation measures. These must be submitted to the Principal Designer or *Client* CDM Advisor as early as practical but at least a minimum of 10 working days prior to the planned start of any construction phase (including advanced works, site investigation or other construction activities).

- Undertake additional site visits post tender, as required to assist with site specific RAMS and CPP development.
- Wash down all vehicles and equipment after use to reduce the risk of transferring invasive non-native species of plant to other watercourses.
- Send the *Client* monthly progress report with photos for updates of work completed.

Zenith weir eel pass:

Please note that the following eel pass work is subject to *Client's* discretion, subsequent to the starting date, depending on project need. The *Contractor* shall not undertake any activity associated with this without prior instruction from the *Client*.

The *Contractor* shall undertake the following for the work:

- Receive and review the approved design for the Zenith eel pass.
- Submission of Flood Risk Activity Permit (FRAP).
- Production of a Designer's Risk Assessment for *Contractor* led design elements, e.g., temporary works and a Construction Phase Plan, that must be submitted to the *Client* for review at least one week before construction work starts.
- Design and provision of any temporary works needed. Work cannot commence on site before the *Client* accepts the design.
- Fabricate the following components into kit form in accordance with the approved design, ready for installation on site.
 - Selection of 316 stainless steel brackets to secure the eel pass to the wing wall.
 - Circa 35 Mts on 'chute' in 5083 marine grade aluminium
 - 40 No 1000mm long 30mm eel pass tiles and 40 No 20mm units
 - 1 No 4mm aluminium inlet baffle
 - HD bolts, fixings and shims.
 - 1 No galvanised steel access ladder. 2425mm long
 - Circa 35 Mts of handrail. Kee-Klump type. 1100mm high, 360 N/m loading twin rail c/w 150mm kick strip and 1 no access gate located at the ladder point.
 - 1 No Reid type 500 Kg davit socket.
 - Please note that all items shall be built to EN 1090 class 2 and prepared in sections ready for modular installation.
- Construct the eel pass in accordance with the approved design.
- Provision of fish rescue.
- Once installed complete final sealing of the joints with Sika 291i.
- Liaise with the *Client* on matters relating to the delivery of the project, compliance with the CDM regulations, flood risk management, regulatory compliance, and the programme.
- SAT (Site Acceptance Test).
- Reinstate the work and access areas.
- Production of Health & Safety files and as built drawings.
- Management and disposal of waste in accordance with the current Waste Management Regulations and *Client's* SHEW Code of Practice.

Health and safety works:

Please note that the following eel pass work is subject to *Client's* discretion, subsequent to the starting date, depending on project need. The *Contractor* shall not undertake any activity associated with this without prior instruction from the *Client*.

i) Lower Mole FAS Fencing and Security Works

Molemember Sluice and Entrance to Ashcot

- Install 1.4m high green chain link on galv. Posts on RHS. – Item 2.1.5

Island Barn Protection and Sluice Gate Area

- Replace damaged chain link fencing with palisade fencing. – Item 2.1.13
- Fix grating/ metal gridwork on the bridge – 4 new panels. – Item 2.1.14
- Installation of handrail on LHS of canoers steps – Item 2.1.15
- Installation of handrail on LHS of canoers steps - Item 2.1.16
- Install fantail fencing next to access gate. – Item 2.1.17
- Replace gates at upstream point of site. – Item 2.1.18

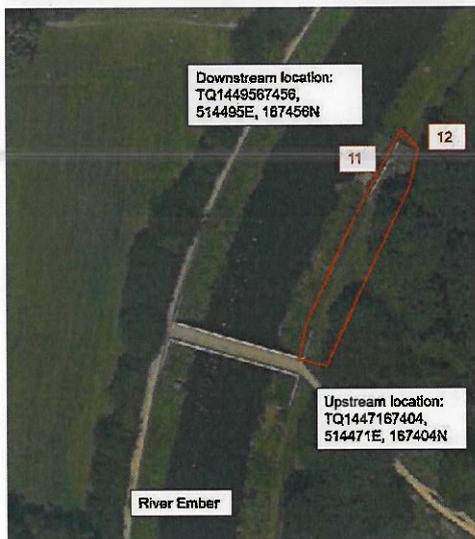
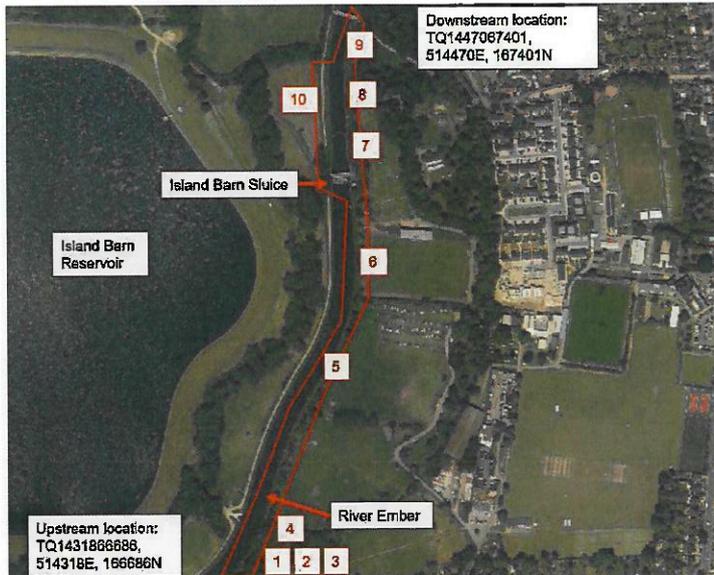
Campsite Area Between Viaduct & Island Barn Sluice

- Replace posts and access gates on both sides of the bank that are failing. – Item 2.1.19

Viaduct Sluice Protection

- Replacing of fencing on RHS of right bank up to palisade fencing – Item 2.1.20
 - Replace wooden fencing or broken wooden beams. – Item 2.1.21
 - Fix access gate which has dropped and ensure locking mechanism lines up. – Item 2.1.22
- Riverbank Upstream of the Control Station & Sluice
- Extend the handrail along the river bank, upstream of the control station and sluice. – Item 2.1.23
 - Install new security fencing. – Item 2.1.24
- Viaduct Control Hut
- Protection works on the control station. – Item 2.1.25
 - Fan Tail End – Item 2.1.26

ii) Lower Mole River Bank Security and Protection Works



The Contractor shall undertake the following for the work:

At location 1 (TQ1431966694)

- Remove and recycle/dispose of existing access gates. – Item 2.2.2
- Install replacement access gates, new palisade gate, similar but shorter than the one downstream. – Item 2.2.3

At location 2 (TQ1431966694)

- Either cut lower steelwork off and install a larger plate to cover the hole or weld plating around the existing fencing to fill the gaps. Item 2.2.4
- Weld additional grating down towards the bank to prevent tripping or foot slipping underneath the grating. – Item 2.2.5
- Install sign to warn users of the asset of the gaps between the bank and the asset. – Item 2.2.6

At location 3 (TQ1431966694)

- Install hinge cover in the grating. – Item 2.2.7

At location 4 (TQ1431966694)

- Install plating/ grating on vertical rises between the 4 steps. Cut back the foliage/nettles to prevent stinging. – Item 2.2.8

At location 5 (TBC)

- Track remedial work on left and right side of bank, depressions filled and levelled so the track conditions are restored. (to be instructed at the *Client's* discretion) – Item 2.2.9

At location 6 (TBC)

- Fill the hole and level. – Item 2.2.10

At location 7 (TBC)

- Cutting back vegetation and sycamore trees on right hand bank – Item 2.2.11

At location 9 (TQ1446367332)

- Replace missing sections of gate. – 2.2.14

At location 10 (TQ1446267372)

- Provide steps to ensure safe access down to the water level. Stairs could match those upstream at location 4. Or look at alternative low-carbon materials. – Item 2.2.15
Length approx. 5m

At location 13 (TQ1449567454)

- Carry out maintenance to ensure the gates can open and close as intended. – Item 2.2.23

2. Drawings

Drawing Number	Revision	Title
		8199 – DOC – 01 – Design Check Form
		8199 – DOC – 02 – DRA
		8199 – DOC – 04 Buildability Rev P02
		8199 – 01 Zenith Eel Pass Installation – Rev P.01 – 20-01-23

3. Specifications

Title	Date or Revision	Tick if publicly available
677_15 Safety, Health, Environment and Wellbeing (SHEW) Code of Practice (CoP)	12/2019	
Guidance on the classification and assessment of waste (Technical Guidance WM3)	12/2019	<input checked="" type="checkbox"/>
LIT 13258 - Minimum Technical Requirements (v12)	12/2021	
LIT 65150 - Minimum Technical Requirements - Environment and Sustainability (v2)	03/2023	

CDM Regulations 2015	<input checked="" type="checkbox"/>
4. Constraints on how the Contractor Provides the Works	
The Contractor is to prepare, for the Client's acceptance, the Construction Phase Plan (CPP) and the Environmental Action Plan (EAP) prior to starting the works.	
The Contractor shall not commence any work on the site until the Client, or their representative, has accepted the method statements and risk assessments (RAMS) related to this contract.	
The Client will be present on the first day on site to issue a 'Permission to Work' to the Contractor. The Contractor must not start on site without this document.	
The use of hazardous materials must be limited and compliance with COSHH is imperative when using hazardous materials.	
Task dependent, training of X63 course (Working near water) required for the Client or others and associated timescales prior to Completion.	
Please note that works on Molemer, Island Barn and Viaduct weirs can't be carried out between February 2024 and October 2024, as VolkerStevin will work on these sites.	
Water level control – water level should not change for the Zenith eel pass between March and July.	
Waste transfer regulations- Contractor shall provide valid waste carrier licence, or that of the subcontractor if disposal of the waste generated in delivering the works is sub-contracted.	
Any activity which requires the use of scaffolding shall take 2 days as maximum, otherwise a FRAP shall be obtained prior to the commencement of the activity.	
Equipment, temporary structures, materials, protection and tools shall be removed from the site within one week of project completion.	
Working times	
The Contractor will be permitted to work between 8.00am and 6.00pm on weekdays (Monday to Friday)	
Weekend working as instructed by the Client's Project Manager.	
5. Requirements for the programme	
The Contractor submits his programme with the Contractor's Offer for acceptance. The Contractor shows on each programme which they submits for acceptance (in form of Gantt chart showing the critical path, proposed order and timing to undertake the works and proposed plant and labour resources) the following:	
<ul style="list-style-type: none"> (a) Period required for mobilisation/ planning & post contract award (b) starting date (c) Each of the activities listed within the Price List (d) Any key third party interfaces: lead in periods for materials and sub-contractors; time required to obtain consents/waste permits; stated constraints; Contractor's risks. (e) Completion date 	
6. Services and other things provided by the Client	
Item	Date by which it will be provided

3.	Gunite Group. Endeavour House, Compass Point, St Ives, Cambridgeshire, PE27 5JL Form of Contract: NEC Short Form	Expansion joints
4.	Four Seasons. Unit 6, Coles Estate, Ashford Road, Bethersden, Kent, TN26 3AT Form of Contract: NEC Short Form	Fencing