

HQU/3D Queensbury Tunnel

Phase 1 Works

Duration 6 weeks

Prelims Time related

Evo Unit x 1	335.73	2,014.37
Plant Safe x 2	229.56	1,377.35
Telehandler x 1	589.05	3,534.28
Site Van x 2	1,073.18	6,439.11
Generator x 1	631.28	3,787.71
Skips	258.25	1,549.52
Diesel Tank/Bowser	67.43	404.60
Small Tools & PPE	882.00	5,291.98
Hog ring guns x 2	229.56	1,377.35
Tower Scaffold	65.42	392.54
Supervision	7,061.76	42,370.56
Labour	8,280.00	49,680.00

Prelims Fixed

Plant On/off's	1	2,295.58
Generator on/off	1	573.90
Temporary Works Design	1	8,608.43

Materials

Ram Arch	1	415,675.23
----------	---	------------

545,372.50

NOTIFICATION

Notified by	██████████
On behalf of	AMCO Rail
Notification date	25/10/2018
Meeting required (Y/N)	N
Proposed Meeting Date	N/A

MATTER

Date		
1) the event/circumstance has arisen		22/10/2018
Date		
2) the event/circumstance is likely to arise		
Likely effect (delete as appropriate)		
3) Increase the Contract Sum	Anticipated increase (approx)	£5,403.04
4) Cause a delay to Date for Completion	Anticipated delay	N/A
	Approx increase due to delay	N/A

Early Warning Matter

Carry out investigation works using a 17t excavator to locate buried drainage channel.

Proposals	Decisions
HRE to issue a PMI for the additional pre award identified costs	

ACTIONS

Action	Action On	By Date

SIGNATURES

Agreed on behalf of Jacobs	_____	Date	_____	Position	_____
Agreed on behalf of The Contractor	_____	Date	_____	Position	_____

Further Clarifications / Proposals	Decisions

NOTIFICATION

Notified by	██████████
On behalf of	AMCO Rail
Notification date	02/11/2018
Meeting required (Y/N)	N
Proposed Meeting Date	N/A

MATTER

Date		
1) the event/circumstance has arisen		31/10/2018
Date		
2) the event/circumstance is likely to arise		
Likely effect (delete as appropriate)		
3) Increase the Contract Sum	Anticipated increase (approx)	£7,432.71
4) Cause a delay to Date for Completion	Anticipated delay	N/A
	Approx increase due to delay	N/A

Early Warning Matter

Following the investigations carried out as per EW1 the drain/culvert to the north end of the tunnel has been located and identified; following discussions with AMCO, Despoina Katsouli and James Wilson it has been requested that a new manhole chamber is constructed above the drain to form safe access in order to undertake jetting works (EW3). The chamber will be formed of precast concrete rings, concrete slab and manhole cover.

Proposals	Decisions
HRE to issue a PMI for the additional pre award identified costs	

ACTIONS

Action	Action On	By Date

SIGNATURES

Agreed on behalf of Jacobs	_____	Date	_____	Position	_____
Agreed on behalf of The Contractor	_____	Date	_____	Position	_____

Further Clarifications / Proposals	Decisions

NOTIFICATION

Notified by [REDACTED]
 On behalf of AMCO Rail
 Notification date 02/11/2018
 Meeting required (Y/N) N
 Proposed Meeting Date N/A

MATTER

Date
 1) the event/circumstance has arisen 31/10/2018
 Date
 2) the event/circumstance is likely to arise
 Likely effect (delete as appropriate)
 3) Increase the Contract Sum Anticipated increase (approx) £12,510.39
 4) Cause a delay to Date for Completion Anticipated delay N/A
 Approx increase due to delay N/A

Early Warning Matter

Following the investigations carried out as per EW1 the drain/culvert to the north end of the tunnel has been located. It has been identified that the drain is significantly blocked/backed up and at this stage we can't determine as to the extent of the blockage. We recommend High Pressure water jetting the drain to attempt to clear built up debris/silt accompanied by regular CCTV surveys throughout the course of jetting works in order to assess the condition of the drain and feasibility of continued jetting, and to identify the outfall should the jetting be successful. At this stage we propose that all debris/silt deposits be jetted into the tunnel itself. Please note that this price does not include for any muck away and this will be issued once we are all aware of the extent of waste, and if it is required to be disposed off site. Our price is based on 3 days jetting/surveying which we will provide daily feedback of our progress. We assume no consents are required for the works as the drain is part of the tunnel infrastructure and the initial jetting is unlikely to impact on any watercourses/ponds.

Proposals	Decisions
HRE to issue a PMI for the additional pre award identified costs	

ACTIONS

Action	Action On	By Date

SIGNATURES

Agreed on behalf of Jacobs _____ Date _____ Position _____
 Agreed on behalf of The Contractor _____ Date _____ Position _____

Further Clarifications / Proposals	Decisions

NOTIFICATION

Notified by _____
 On behalf of AMCO Rail
 Notification date 09/11/2018
 Meeting required (Y/N) N
 Proposed Meeting Date N/A

MATTER

Date
 1) the event/circumstance has arisen 31/10/2018
 Date
 2) the event/circumstance is likely to arise _____
 Likely effect (delete as appropriate)
 3) Increase the Contract Sum Anticipated increase (approx) £35,289.10
 4) Cause a delay to Date for Completion Anticipated delay N/A
 Approx increase due to delay N/A

Early Warning Matter

Following the submission of our application no 1 for phase 1 of the works at Queensbury we have identified that we have inadvertently excluded our charges for confined space safe system of works as per items A3591 & A3592. Based on these rates the cost of £35,289.10 was omitted from our price build up for CE001. This is for 6 weeks at rate A3592 and £29,740 for confined space training and safety equipment of rate A3591

Proposals

Decisions

ACTIONS

Action	Action On	By Date

SIGNATURES

Agreed on behalf of Jacobs _____ Date _____ Position _____
 Agreed on behalf of The Contractor _____ Date _____ Position _____

Further Clarifications / Proposals

Decisions

NOTIFICATION

Notified by _____
 On behalf of AMCO Rail
 Notification date 20/11/2018
 Meeting required (Y/N) N
 Proposed Meeting Date N/A

MATTER

Date
 1) the event/circumstance has arisen 18/11/2018
 Date
 2) the event/circumstance is likely to arise _____
 Likely effect (delete as appropriate)
 3) Increase the Contract Sum Anticipated increase (approx) £4,170.10
 4) Cause a delay to Date for Completion Anticipated delay N/A
 Approx increase due to delay N/A

Early Warning Matter

An additional days jetting and CCTV surveying over and above the allowance in EW003

Proposals	Decisions

ACTIONS

Action	Action On	By Date

SIGNATURES

Agreed on behalf of Jacobs _____ Date _____ Position _____
 Agreed on behalf of The Contractor _____ Date _____ Position _____

Further Clarifications / Proposals	Decisions

Contract Ref:	
Contractor:	AMCO
ID	HQU3/D
Structure	
Amco Reference	
Works Description:	

Labour	Nr Men	Shifts	hrs	Rate	£
1 Skilled Operative	5	8	12.00	27.60	13,248.00
2 Operative to maintain the pumps	1	53.0	12.00	27.60	17,553.60
3 Staff					
4 Contracts Manager		2		419.98	839.96
5 Site Agent		8		351.86	2,814.88
6 QS		1		356.89	356.89
7					
8					
Labour Total (A)					34,813.33

1					
2					
3					
4					
5					
Supervision Total (B)					

Equipment	No.	Cost	Unit Cost	£
1 Office (new)	1	240	1.6	384.00
2 Canteen (new)	1	240	1.6	384.00
3 Drying Room (new)	1	180	1.6	288.00
4 Lock up (new)	1	60	1.6	96.00
5 Toilet	1	60	1.6	96.00
6 Water Pump	1	60	1.6	96.00
7 Site generator	1	300	1.6	480.00
8 13T excavator	1	600	1.6	960.00
9 MEWP	1	720	1.6	1,152.00
10 Telehandler	1	420	1.6	672.00
11 Crane hook	1	72	1.6	115.20
12 Chains	1	30	1.6	48.00
13 Tower Scaffold	1	54	1.6	86.40
14 Drills	4	30	1.6	192.00
15 Task lights	6	25	1.6	240.00
16 Festoon tunnel lights	1	240	1.6	384.00
17 Hog ring guns	1	229.56	1.6	367.30
18 Vans	4	92	8	2,944.00
19 Confined space safe system of work	1	924.85	1.6	1,479.76
20 Fuel bowser	1	67.43	1.6	107.89
21 Pump hire	1	5448	10.6	57,748.80
22 2000litres of fuel (per week)	1	2160	10.6	22,896.00
23 PROV SUM - Damage to plant caused by flooding	1	10000	1	10,000.00
24				
25				
26				
Equipment Total (C)				101,217.34

Welfare Total (D)				
--------------------------	--	--	--	--

MATERIALS	Quantity	Rate	£
1 Diesel	1.6	850.00	1,360.00
2			
3			
4			
5			
6			
7			
10	Materials Total [E]		1,360.00

Sub Contract	Quantity	Rate	£
1 Live aluminium road (including 6 week hire)	1.6	10,500.00	16,800.00
2 Black Diamond Security	1.6	270.00	432.00
3			
4			
5			
6			
7	Charges Total [F]		17,232.00
8	Sub-Total		154,622.67
			Fee

TOTAL 154,622.67

NOTIFICATION

Notified by _____
 On behalf of **AMCO Rail** _____
 Notification date **19/03/2019** _____
 Meeting required (Y/N) **N** _____
 Proposed Meeting Date **N/A** _____

MATTER

Date
 1) the event/circumstance has arisen **02/01/2019** _____
 Date
 2) the event/circumstance is likely to arise _____
 Likely effect (delete as appropriate)
 3) Increase the Contract Sum Anticipated increase (approx) **£3,654.00** _____
 4) Cause a delay to Date for Completion Anticipated delay **N/A** _____
 Approx increase due to delay **N/A** _____

Early Warning Matter:

Flood water damage to the tracked boom that had been submerged in water over the Christmas period.

Proposals

Decisions

ACTIONS

Action	Action On	By Date

SIGNATURES

Agreed on behalf of Jacobs _____ Date _____ Position _____
 Agreed on behalf of The Contractor _____ Date _____ Position _____

Further Clarifications / Proposals

Decisions

Contract Ref:		
Contractor:	AMCO	
ID	HQU3/D	
Structure		
Amco Reference		
Works Description: Siltbuster		

Labour	Nr Men	Shifts	hrs	Rate	£
1 Skilled Operative	3	2	12.00	27.60	1,987.20
2					
7					
8					
Labour Total (A)					1,987.20

1					
2					
3					
4					
5					
Supervision Total (B)					

Equipment	No.	Cost	Unit Cost	£
3				
4				
5				
6				
Equipment Total (C)				

Wefare Total (D)				
-------------------------	--	--	--	--

MATERIALS	Quantity	Rate	£
1 Designed sump, feed pump and associate feed and discharge pipework.	1	846.32	846.32
2			
3			
4			
5			
6			
7			
8			
9	Materials Total [E]		846.32

Sub Contract	Quantity	Rate	£
1 Siltbuster delivery, installation, decommission, collection	1	7,920.00	7,920.00
2 Weekly Hire (upto the end of March)	2	1,704.00	3,408.00
3 Environment Agency discharge permit - 9331042423	1	5,582.40	5,582.40
4			
5			
6			
7	Charges Total [F]		16,910.40
8	Sub-Total		19,743.92
Fee			

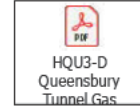
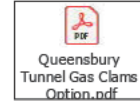
TOTAL 19,743.92

NOTIFICATION

Notified by _____
 On behalf of **AMCO Rail**
 Notification date **19/03/2019**
 Meeting required (Y/N) **N**
 Proposed Meeting Date **N/A**

MATTER

Date
 1) the event/circumstance has arisen **15/01/2019**
 Date
 2) the event/circumstance is likely to arise _____
 Likely effect (delete as appropriate)
 3) Increase the Contract Sum Anticipated increase (approx) _____
 4) Cause a delay to Date for Completion Anticipated delay **N/A**
 Approx increase due to delay **N/A**



Early Warning Matter

Carry out baseline gas monitoring at ground level.

Option 1 Gas Monitoring Visits Option £8,426.65

Attend site on an approximately fortnightly basis over a 12 week period (6No visits), and monitor for ground gases at each of the 6 boreholes installed at the ventilation shafts in 2017/18, and prepare a factual report at the end.

Option 2 Gas Clams Option £10,081.21

Install a Gas clam in each of the 6No boreholes, with them logging continuously for 2 weeks, and provide a factual report at the end.

Proposals	Decisions

ACTIONS

Action	Action On	By Date

SIGNATURES

Agreed on behalf of Jacobs _____ Date _____ Position _____
 Agreed on behalf of The Contractor _____ Date _____ Position _____

Further Clarifications / Proposals	Decisions

Contract Ref:	
Contractor:	AMCO
ID	HQU3/D
Structure	
Amco Reference	
Works Description: Manually read, fortnightly monitoring visits for a twelve week period	

Labour	Unit	Qty	Rate	£
1 Geo-Environmental Engineer - To set up and recover Gas Clams	Visit	6.00	528.00	3,168.00
2 Staff & Reporting				
3 QS	Day	1.00	356.89	356.89
4 Supervision	Visit	6.00	463.56	2,781.36
5				
6				
8				
Labour Total (A)				6,306.25

1				
2				
3				
4				
5				
Supervision Total (B)				

Equipment	Unit	Qty	Rate	£
1 Gas analyser	Visit	6	278.40	1,670.40
2 Welfare Van	Day	6	75.00	450.00
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
Equipment Total (C)				2,120.40

Welfare Total (D)				
--------------------------	--	--	--	--

MATERIALS	Unit	Quantity	Rate	£
1				
2				
3				
4				
5				
6				
7				
10	Materials Total [E]			

Sub Contract				
1				
2				
3				
4				
5				
6				
7	Charges Total [F]			
8	Sub-Total			8,426.65
Fee				

TOTAL 8,426.65

Contract Ref:	
Contractor:	AMCO
ID	HQU3/D
Structure	
Amco Reference	

Works Description: Data-logged monitoring by Gas Clams.

Labour	Unit	Qty	Rate	£
1 Geo-Environmental Engineer - To set up and recover Gas Clams	Visit	2.00	528.00	1,056.00
2 Provision of hand excavation team including excavation equipment (For install cover renewal, if required)	Day		498.00	
3 Staff & Reporting				
4 QS	Day	1.00	356.89	356.89
5 Supervision	Visit	2.00	463.56	927.12
6 Provision of factual report text	Sum	1.00	414.00	414.00
7 Provision of monitoring data	No.	6.00	31.20	187.20
8				
Labour Total (A)				2,941.21

1				
2				
3				
4				
5				
Supervision Total (B)				

Equipment	Unit	Qty	Rate	£
1 Hire of Gas Clams - 6no. 2 weeks	Each/Week	12	570.00	6,840.00
2 Delivery/Return of Hired Gas Clams	Sum	1	150.00	150.00
3 Purchase of gas clams (If Required)	Each		14,700.00	
4 Purchase of manufacturer refurbished Gas Clam (If Required)	Each		7,350.00	
5 Delivery of purchased Gas Clams (If Required)	Sum		90.00	
6 Welfare Van	Day	2	75.00	150.00
7				
8				
9				
10				
11				
12				
Equipment Total (C)				7,140.00

Welfare Total (D)				
-------------------	--	--	--	--

MATERIALS	Unit	Quantity	Rate	£
1 Concrete (If cover renewal required)	bag	tbc	8.40	
2 6" x 0.50m steel security cover (raised) (If cover renewal required)	No	tbc	39.00	
3 8" daisy cover (environmental cover) round (If cover renewal required)	No	tbc	48.00	
4				
5				
6				
7				
10	Materials Total [E]			

Sub Contract				
1				
2				
3				
4				
5				
6				
7	Charges Total [F]			
8	Sub-Total			10,081.21
Fee				

TOTAL 10,081.21

NOTIFICATION

Notified by [REDACTED]
 On behalf of AMCO Rail
 Notification date 28/03/2019
 Meeting required (Y/N) N
 Proposed Meeting Date N/A

MATTER

Date
 1) the event/circumstance has arisen 22/03/2019
 Date
 2) the event/circumstance is likely to arise _____
 Likely effect (delete as appropriate)
 3) Increase the Contract Sum Anticipated increase (approx) £20,125.92
 4) Cause a delay to Date for Completion Anticipated delay N/A
 Approx increase due to delay N/A

Early Warning Matter

Material rate only to provide an additional 12 steel colliery arches including delivery is £20,125.92

Steel Arches £1,577.16 x 12 = £18,925.92
 Delivery £1,200.00

Proposals

Decisions

ACTIONS

Action	Action On	By Date

SIGNATURES

Agreed on behalf of Jacobs _____ Date _____ Position _____
 Agreed on behalf of The Contractor _____ Date _____ Position _____

Further Clarifications / Proposals

Decisions

Early Warning 13

Stand Down Period

1 Skilled Operative	5	15	10	27.6	20700
2 Operative to maintain the pumps					0
3 Staff					
4 Contracts Manager				419.98	0
5 Site Agent				351.86	0
6 QS				356.89	0

£20,700.00

1 Office (new)	1	240	3	720
2 Canteen	1	240	3	720
3 Drying Room (new)	1	180	3	540
4 Lock up (new)	1	60	3	180
5 Toilet	1	60	3	180
6 Water Pump	1	60	3	180
7 Site generator	1	300	3	900
8 13T excavator	1	600	3	1800
9 MEWP	1	720	3	2160
10 Telehandler	1	420	3	1260
11 Crane hook	1	72	3	216
12 Chains	1	30	3	90
13 Tower Scaffold	1	54	3	162
14 Drills	4	30	3	360
15 Task lights	6	25	3	450
16 Festoon tunnel lights	1	240	3	720
17 Hog ring guns	1	229.56	3	688.68
18 Vans	4	92	15	5520
19 Confined space safe system of work	1	924.85	3	2774.55
20 Fuel bowser	1	67.43		0
21 Pump hire	1	5448	3	16344
22 2000litres of fuel (per week)	1	2160		0

£35,965.23

Live aluminium road			3	1750	5250.00
Black Diamond Security			3	270	810

£6,060.00

£62,725.23

proposed £66,906.91

savings £4,181.68

Contract Ref:	
Contractor:	AMCO
ID	HQU3/D
Structure	EW14
Amco Reference	

**Works Description: Provide and install the additional 105m of Ram Arch to arrive at the fall and support under the three remaining shafts.
Erect 12 colliery arches where (14no in total, however 2 already priced within CE007 and the colliery arch material priced in CE013)**

Labour	Nr Men	Shifts	hrs	Rate	£
1 Skilled Operative (8nr 35 shifts)	8	47	12.00	27.60	124,531.20
2 Operative to maintain the pumps	1	9	12.00	27.60	2,980.80
3 Staff					
4 Contracts Manager		9		419.98	3,779.82
5 Site Agent		47		351.86	16,537.42
6 QS		9		356.89	3,212.01
7					
8					
Labour Total (A)					151,041.25

1					
5					
Supervision Total (B)					

Equipment	No.	Unit Cost	Wks	£
1 Office (new)	1	240	9.4	2,256.00
2 Canteen (new)	1	240	9.4	2,256.00
3 Drying Room (new)	1	180	9.4	1,692.00
4 Lock up (new)	1	60	9.4	564.00
5 Toilet	1	60	9.4	564.00
6 Water Pump	1	60	9.4	564.00
7 Site generator	1	300	9.4	2,820.00
8 13T excavator	1	600	9.4	5,640.00
9 MEWP	1	720	9.4	6,768.00
10 Telehandler	1	420	9.4	3,948.00
11 Crane hook	1	72	9.4	676.80
12 Chains	1	30	9.4	282.00
13 Tower Scaffold	1	54	9.4	507.60
14 Drills	4	30	9.4	1,128.00
15 Task lights	6	25	9.4	1,410.00
16 Festoon tunnel lights	1	240	9.4	2,256.00
17 Hog ring guns	1	229.56	9.4	2,157.86
18 Vans	4	92	47	17,296.00
19 Confined space safe system of work	1	924.85	9.4	8,693.59
20 Fuel bowser	1	67.43	9.4	633.84
21 Pump hire	1	5448	9.4	51,211.20
22 2000litres of fuel (per week)	1	2160	9.4	20,304.00
23 Siltbuster	1	1704	9.4	16,017.60
24 Ventilation Kit	1	2583.17	9.4	24,281.80
25 1000KVA generators	1	190.4	9.4	1,789.76
26 Extension leads	2	9.86	9.4	185.29
37				
38				
39				
40				
Equipment Total (C)				175,903.35

Welfare Total (D)				
--------------------------	--	--	--	--

MATERIALS	Quantity	Rate	£
1 Ram Arch	1	239,812.65	239,812.65
2 Calcs and drawings	1	3,000.00	3,000.00
3 Timber	1	1,200.00	1,200.00
4 Tools	1	600.00	600.00
5 PPE	1	1,200.00	1,200.00
6 Diesel	9.4	850.00	7,990.00
7 Venilation consumables	9.4	104.64	983.62
8 Fuel for ventilation generators	9.4	1,092.00	10,264.80
9			
10			
Materials Total [E]			265,051.07

Sub Contract			
2 Live aluminium road	9.4	1,750.00	16,450.00
3 Black Diamond Security	9.4	270.00	3,780.00
4			
5			
6			
Charges Total [F]			20,230.00
Sub-Total			612,225.66
Fee			

TOTAL 612,225.66

Contract Ref:	
Contractor:	AMCO
ID	HQU3/D
Structure	
Amco Reference	
Works Description: Price to consolidate recent programme to date. This consists of 2 weeks of labour and equipment for pumping to regain the work area and the delayed excavating tunnel drainage to establish connection. Also included is weekend working in association with the water pumping and 2 shifts associated with the tunnel ventilation.	

Labour		Nr Men	Shifts	hrs	Rate	£
1	Skilled Operative (27/03 to 5/04 & 02/05 & 03/05)	8	10	12.00	27.60	26,496.00
2	Operative to maintain the pumps	1	10	12.00	27.60	3,312.00
3	Staff					
4	Contracts Manager		2		419.98	839.96
5	Site Agent		10		351.86	3,518.60
6	QS		2		356.89	713.78
	Weekend Working					
Sun	06/01 - Pumping to regain work area	4	1	12.00	55.20	2,649.60
Sun	13/01 - Pumping to regain work area & ventilation work	4	1	12.00	55.20	2,649.60
Sun	20/01 - Pumping to regain work area & ventilation work	4	1	12.00	55.20	2,649.60
Sun	10/02 - Pumping to regain work area	3	1	12.00	55.20	1,987.20
Sat	30/03 - Pumping to regain work area	4	1	12.00	41.40	1,987.20
Sun	31/03 - Pumping to regain work area	4	1	12.00	55.20	2,649.60
Sun	07/04 - Pumping to regain work area	5	1	12.00	55.20	3,312.00
Sun	14/04 - Pumping to regain work area	5	1	12.00	55.20	3,312.00
Sat	20/04 - Pumping to regain work area	2	1	12.00	41.40	993.60
BH	22/04 - Pumping to regain work area	4	1	12.00	55.20	2,649.60
Sun	28/04 - Pumping to regain work area	6	1	12.00	55.20	3,974.40
Sun	05/05 - Pumping to regain work area	2	1	12.00	55.20	1,324.80
Labour Total (A)						65,019.54
Supervision Total (B)						
Equipment		No.	Cost	Unit Cost	£	
8	Office (new)	1	240	2	480.00	
9	Canteen (new)	1	240	2	480.00	
10	Drying Room (new)	1	180	2	360.00	
11	Lock up (new)	1	60	2	120.00	
12	Toilet	1	60	2	120.00	
13	Water Pump	1	60	2	120.00	
14	Site generator	1	300	2	600.00	
15	13T excavator	1	600	2	1,200.00	
16	MEWP	1	720	2	1,440.00	
17	Telehandler	1	420	2	840.00	
18	Crane hook	1	72	2	144.00	
19	Chains	1	30	2	60.00	
20	Tower Scaffold	1	54	2	108.00	
21	Drills x 4	4	30	2	240.00	
22	Task lights x 6	6	25	2	300.00	
23	Festoon tunnel lights	1	240	2	480.00	
24	Hog ring guns	1	229.56	2	459.12	
25	Vans x 4	4	92	10	3,680.00	
26	Confined space safe system of work	1	924.85	2	1,849.70	
27	Fuel bowser	1	67.43	2	134.86	
28	Pump hire	1	5448	2	10,896.00	
29	2000litres of fuel (per week)	1	2160	2	4,320.00	
30	Siltbuster	1	1704	2	3,408.00	
31	Ventilation Kit	1	2583.17	2	5,166.34	
32	1000KVA generators	1	190.4	2	380.80	
33	Extension leads	2	9.86	2	39.42	
34						
37						
Equipment Total (C)						37,426.24
Welfare Total (D)						
MATERIALS		Quantity	Rate	£		
1	Diesel	2	850.00	1,700.00		
2	Venilation consumables	2	104.64	209.28		
3	Fuel for ventilation generators	2	1,092.00	2,184.00		
4						
Materials Total (E)						4,093.28
Sub Contract						
1	Live aluminium road	2	1,750.00	3,500.00		
2	Black Diamond Security	2	270.00	540.00		
3						
4						
Charges Total (F)						4,040.00
5				Sub-Total		110,579.06
Fee						
TOTAL						110,579.06

NOTIFICATION

Notified by _____
 On behalf of AMCO Rail
 Notification date 29/05/2019
 Meeting required (Y/N) N
 Proposed Meeting Date N/A

MATTER

Date
 1) the event/circumstance has arisen 15/05/2019
 Date
 2) the event/circumstance is likely to arise _____
 Likely effect (delete as appropriate)
 3) Increase the Contract Sum Anticipated increase (approx) £1,305 00
 4) Cause a delay to Date for Completion Anticipated delay N/A
 Approx increase due to delay N/A

Early Warning Matter

Pump damage in association with the flooding.
 AMCO commenced pumping water from the tunnel as an emergency priority however this was prior to the ventilation was up and running. This led to the pump damage and the pump choking on its own exhaust fumes and led to soot adhering to the pump resulting in the pump damage charge.

Proposals

Decisions

ACTIONS

Action	Action On	By Date

SIGNATURES

Agreed on behalf of Jacobs _____ Date _____ Position _____
 Agreed on behalf of The Contractor _____ Date _____ Position _____

Further Clarifications / Proposals

Decisions

Contract Ref:		
Contractor:	AMCO	
ID	HQU3/D	
Structure	EW17 Rev1	
Amco Reference		
Works Description: Continuation of CE0015.		
Erect 12 colliery arches where (14no in total, however 2 already priced within CE007 and the colliery arch material priced in CE013). Please refer to the updated programme. Week commencing the 03/06 and weekends 19/05, 26/05 and 02/06		

Labour	Nr Men	Shifts	hrs	Rate	£
1 Skilled Operative (8nr 22 shifts)	8	5	12.00	27.60	13,248.00
2 Operative to maintain the pumps	1	5	12.00	27.60	1,656.00
3 Staff					
4 Contracts Manager		1		419.98	419.98
5 Site Agent		5		351.86	1,759.30
6 QS		1		356.89	356.89
Weekend Working					
Sun 19/05- Setting RAM Arch and Pump Maintenance	4	1	12.00	55.20	2,649.60
Sun 26/05 - Pumping to regain work area	3	1	12.00	55.20	1,987.20
Sun 02/06- Pumping to regain work area	3	1	12.00	55.20	1,987.20
Labour Total (A)					24,064.17

1					
5					
Supervision Total (B)					

Equipment	No.	Unit Cost	Wks	£
1 Office (new)	1	240	1	240.00
2 Canteen (new)	1	240	1	240.00
3 Drying Room (new)	1	180	1	180.00
4 Lock up (new)	1	60	1	60.00
5 Toilet	1	60	1	60.00
6 Water Pump	1	60	1	60.00
7 Site generator	1	300	1	300.00
8 13T excavator	1	600	1	600.00
9 MEWP	1	720	1	720.00
10 Telehandler	1	420	1	420.00
11 Crane hook	1	72	1	72.00
12 Chains	1	30	1	30.00
13 Tower Scaffold	1	54	1	54.00
14 Drills	4	30	1	120.00
15 Task lights	6	25	1	150.00
16 Festoon tunnel lights	1	240	1	240.00
17 Hog ring guns	1	229.56	1	229.56
18 Vans	4	92	8	2,944.00
19 Confined space safe system of work	1	924.85	1	924.85
20 Fuel bowser	1	67.43	1	67.43
21 Pump hire	1	5448	1	5,448.00
22 2000litres of fuel (per week)	1	2160	1	2,160.00
23 Siltbuster	1	1704	1	1,704.00
24 Ven iliation Kit	1	2583.17	1	2,583.17
25 1000KVA generators	1	190.4	1	190.40
26 Extension leads	2	9.86	1	19.71
37 6T Swivel Skip Dumper	1	300	1	300.00
38 Heavy Duty Road Plates (65no)	1	71.72	1	71.72
39 SLR5500 Radio Range Extender c/w Duplexer	1	198	1	198.00
40 Additional pipework requirement.	1	1345.32		
41				
42				
43				
44				
Equipment Total (C)				20,386.84

Wefare Total (D)				
------------------	--	--	--	--

MATERIALS	Quantity	Rate	£
1 Timber	1	1,200.00	1,200.00
2 PPE	1	300.00	300.00
3 Diesel	1	850.00	850.00
4 Fuel for ventilation generators	1	1,092.00	1,092.00
5			
6			
Materials Total [E]			3,442.00

Sub Contract	Quantity	Rate	£
2 Live aluminium road	1.0	1,750.00	1,750.00
3 Black Diamond Security	1.0	290.00	290.00
4 Update & maintenance of security system	1	684.00	684.00
5			
6			
Charges Total [F]			2,724.00
Sub-Total			50,617.01
Fee			

TOTAL 50,617.01

Contract Ref:		
Contractor:	AMCO	
ID	HQU3/D	
Structure	EW17a	
Amco Reference		
Works Description: Continuation of CE007. Week commencing the 01/07 and 4 weekend shifts 30/06, 07/07, 14/07, 21/07.		

Labour	Nr Men	Shifts	hrs	Rate	£
1 Skilled Operative (8nr 22 shifts)	8	17	12.00	27.60	45,043.20
2 Operative to maintain the pumps	1	17	12.00	27.60	5,630.40
3 Staff					
4 Contracts Manager		3		419.98	1,259.94
5 Site Agent		17		351.86	5,981.62
6 QS		3		356.89	1,070.67
Weekend Working					
Sun 30/06 - Pumping to regain work area	3	1	12.00	55.20	1,987.20
Sun 07/07 - Pumping to regain work area	3	1	12.00	55.20	1,987.20
Sun 14/07 - Pumping to regain work area	3	1	12.00	55.20	1,987.20
Sun 21/07 - Pumping to regain work area	3	1	12.00	55.20	1,987.20
Labour Total (A)					66,934.63

1					
5					
Supervision Total (B)					

Equipment	No.	Unit Cost	Wks	£
1 Office (new)	1	240	3.4	816.00
2 Canteen (new)	1	240	3.4	816.00
3 Drying Room (new)	1	180	3.4	612.00
4 Lock up (new)	1	60	3.4	204.00
5 Toilet	1	60	3.4	204.00
6 Water Pump	1	60	3.4	204.00
7 Site generator	1	300	3.4	1,020.00
8 13T excavator	1	600	3.4	2,040.00
9 MEWP	1	720	3.4	2,448.00
10 Telehandler	1	420	3.4	1,428.00
11 Crane hook	1	72	3.4	244.80
12 Chains	1	30	3.4	102.00
13 Tower Scaffold	1	54	3.4	183.60
14 Drills	4	30	3.4	408.00
15 Task lights	6	25	3.4	510.00
16 Festoon tunnel lights	1	240	3.4	816.00
17 Hog ring guns	1	229.56	3.4	780.50
18 Vans	4	92	21	7,728.00
19 Confined space safe system of work	1	924.85	3.4	3,144.49
20 Fuel bowser	1	67.43	3.4	229.26
21 Pump hire	1	5448	3.4	18,523.20
22 2000litres of fuel (per week)	1	2160	3.4	7,344.00
23 Siltbuster	1	1704	3.4	5,793.60
24 Ventilation Kit	1	2583.17	3.4	8,782.78
25 1000KVA generators	1	190.4	3.4	647.36
26 Extension leads	2	9.86	3.4	67.02
37 6T Swivel Skip Dumper	1	300	3.4	1,020.00
38 Heavy Duty Road Plates (65no)	1	71.72	3.4	243.85
39 SLR5500 Radio Range Extender c/w Duplexer	1	198	3.4	673.20
40 Additional pipework requirement.	1	1345.32	3.4	4,574.09
41				
42				
43				
44				
Equipment Total (C)				71,607.75

Welfare Total (D)				
--------------------------	--	--	--	--

MATERIALS	Quantity	Rate	£
2			
3			
4 PPE	1	900.00	900.00
5 Diesel	3.4	850.00	2,890.00
7 Fuel for ventilation generators	3.4	1,092.00	3,712.80
8			
9			
Materials Total [E]			7,502.80

Sub Contract	Quantity	Rate	£
2 Live aluminium road	3.4	1,750.00	5,950.00
3 Black Diamond Security	3.4	290.00	986.00
4			
5			
6			
Charges Total [F]			6,936.00
Sub-Total			152,981.18
Fee			

TOTAL 152,981.18

Contract Ref	
Contractor:	AMCO
ID	HQU3/D
Structure	EW18
Amco Reference	

Works Description Additional pumping due to increased volumes of water entering the tunnel. Following our preparation shift on Sunday the 9th of June we arrived on site to find the tunnel had flooded around 100m. The EA has been informed and we have increased the pumping rate as agreed. We will deploy operatives both throughout the and night to take water samples as required by the higher pumping rates.

Labour	Nr Men	Shifts	hrs	Rate	£
1 Skilled Operative (4nr 15 day shifts)	4	15	12 00	27 60	19,872 00
2 Operative to maintain the pumps	1	15	12 00	27 60	4,968 00
3 Skilled Operative (4nr 15 night shifts)	4	15	12 00	41.40	29,808 00
4 Operative to maintain the pumps	1	15	12 00	41.40	7,452 00
Staff					
6 Contracts Manager		3		419.98	1 259 94
7 Site Agent		15		351.86	5 277 90
8 QS		3		356.89	1,070 67
Weekend Working					
Sun 09/06 - Pumping to regain work area (day)	3	1	12 00	55 20	1,987 20
Sun 09/06 - Pumping to regain work area (Nights)	3	1	12 00	55 20	1,987 20
Sat 15/06 - Pumping to regain work area (day)	3	1	12 00	55 20	1,987 20
Sat 15/06 - Pumping to regain work area (Nights)	4	1	12 00	55 20	2,649 60
Sun 16/06 - Pumping to regain work area (day)	3	1	12 00	55 20	1,987 20
Sun 16/06 - Pumping to regain work area (Nights)	3	1	12 00	55 20	1 987 20
Sat 22/06 - Pumping to regain work area (day)	3	1	12 00	55 20	1,987 20
Sat 22/06 - Pumping to regain work area (Nights)	4	1	12 00	55 20	2,649 60
Sun 23/06 - Pumping to regain work area (day)	3	1	12 00	55 20	1,987 20
Sun 23/06 - Pumping to regain work area (Nights)	3	1	12 00	55 20	1,987 20
Labour Total (A)					90,905 31

1					
2					

Supervision Total (B)					
------------------------------	--	--	--	--	--

Equipment	No.	Unit Cost	Wks	£	
1 Office (new)	1	240	3	720 00	
2 Canteen (new)	1	240	3	720 00	
3 Drying Room (new)	1	180	3	540 00	
4 Lock up (new)	1	60	3	180 00	
5 Toilet	1	60	3	180 00	
6 Water Pump	1	60	3	180 00	
7 Site generator	1	300	3	900 00	
8 13T excavator	1	600	3	1,800 00	
9 MEWP	1	720	3	2,160 00	
10 Telehandler	1	420	3	1,260 00	
11 Crane hook	1	72	3	216 00	
12 Chains	1	30	3	90 00	
13 Tower Scaffold	1	54	3	162 00	
14 Drills	4	30	3	360 00	
15 Task lights	6	25	3	450 00	
16 Festoon tunnel lights	1	240	3	720 00	
17 Hog ring guns	1	229.56	3	688 68	
18 Vans	4	92	15	5 520 00	
19 Confined space safe system of work	1	924.85	3	2,774 55	
20 Fuel bowser	1	67.43	3	202 29	
21 Pump hire	1	5448	3	16,344 00	
22 2000litres of fuel (per week)	1	2160	3	6 480 00	
23 Silbuster	1	1704	3	5 112 00	
24 Ventilation Kit	1	2583.17	3	7 749 51	
25 1000KVA generators	1	190.4	3	571 20	
26 Extension leads	2	9.86	3	59.14	
37 6T Swivel Skip Dumper	1	300	3	900 00	
38 Heavy Duty Road Plates (65no)	1	71.72	3	215.16	
39 SLR5500 Radio Range Extender c/w Duplexer	1	198	3	594 00	
40 Additional Pipework	1	1345.32	2 2	2,959.70	
41					
42					
43					
44					
Equipment Total (C)					60,808 23

Wefare Total (D)					
-------------------------	--	--	--	--	--

MATERIALS	Quantity	Rate	£
1 Diesel	3	850.00	2 550 00
2 Venilation consumables	3	104.64	313 92
3 Fuel for ventilation generators (Including weekend requirement)	4	1,092 00	4,368 00
4			
5			
Materials Total (E)			7,231 92

Sub Contract	Quantity	Rate	£
1 Live aluminium road	3	1,750 00	5,250 00
2 Black Diamond Security	3	270.00	810 00
3			
4			
5			
Charges Total (F)			6,060 00
Sub-Total			165,005.46
Fee			

TOTAL 165,005.46

Contract Ref	
Contractor:	AMCO
ID	HQU3/D
Structure	EW20
Amco Reference	
Works Description Pumping to recover water levels at work area from the 22/07/08 to 05/08/19	

Labour	Nr Men	Shifts	hrs	Rate	£
1 Skilled Operative (5nr x 9 day shifts) - 24/07 to 5/08	5	9	12.00	27.60	14,904.00
2 Operative to maintain the pumps	1	9	12.00	27.60	2,980.80
3 Skilled Operative (3nr x 11 night shifts) 22/07 to 05/08	3	11	12.00	41.40	16,394.40
4 Operative to maintain the pumps	1	11	12.00	41.40	5,464.80
Staff					
4 Contracts Manager		1.8		419.98	755.96
5 Site Agent		9		351.86	3,166.74
6 QS		1.8		356.89	642.40
Weekend Working					
Sat 27/07 - Pumping to regain work area (day)	3	1	12.00	55.20	1,987.20
Sun 28/07 - Pumping to regain work area (day)	3	1	12.00	55.20	1,987.20
Sat 03/08 - Pumping to regain work area (day)	3	1	12.00	55.20	1,987.20
Sun 04/08 - Pumping to regain work area (day)	3	1	12.00	55.20	1,987.20
Sun 04/08- Pumping to regain work area (night)	3	1	12.00	55.20	1,987.20
Labour Total (A)					54,245.11

1					
5					
Supervision Total (B)					

Equipment	No.	Unit Cost	Wks	£
1 Office (new)	1	240	1.8	432.00
2 Canteen (new)	1	240	1.8	432.00
3 Drying Room (new)	1	180	1.8	324.00
4 Lock up (new)	1	60	1.8	108.00
5 Toilet	1	60	1.8	108.00
6 Water Pump	1	60	1.8	108.00
7 Site generator	1	300	1.8	540.00
8 13T excavator	1	600	1.8	1,080.00
9 MEWP	1	720	1.8	1,296.00
10 Telehandler	1	420	1.8	756.00
11 Crane hook	1	72	1.8	129.60
12 Chains	1	30	1.8	54.00
13 Tower Scaffold	1	54	1.8	97.20
14 Drills	4	30	1.8	216.00
15 Task lights	6	25	1.8	270.00
16 Festoon tunnel lights	1	240	1.8	432.00
17 Hog ring guns	1	229.56	1.8	413.21
18 Vans	4	92	16	5,888.00
19 Confined space safe system of work	1	924.85	1.8	1,664.73
20 Fuel bowser	1	67.43	1.8	121.37
21 Pump hire	1	5448	1.8	9,806.40
22 2000litres of fuel (per week)	2	2160	1.8	7,776.00
23 Siltbuster	1	1704	1.8	3,067.20
24 Ventilation Kit	1	2583.17	1.8	4,649.71
25 1000KVA generators	1	190.4	1.8	342.72
26 Extension leads	2	9.86	1.8	35.49
37 6T Swivel Skip Dumper	1	300	1.8	540.00
38 Heavy Duty Road Plates (65no)	1	71.72	1.8	129.10
39 SLR5500 Radio Range Extender c/w Duplexer	1	198	1.8	356.40
40 Additional pipework requirement.	1	1345.32	1.8	2,421.58
41				
42				
43				
44				
Equipment Total (C)				43,594.70

MATERIALS		Quantity	Rate	£
3	Diesel	1.8	850.00	1,530.00
4	Fuel for ventilation generators	1.8	1,092.00	1,965.60
5	PPE	1.8	900.00	1,620.00
6				
Materials Total (E)				5,115.60

Sub Contract				
1	Live aluminium road	1.8	1,750.00	3,150.00
2	Black Diamond Security	1.8	290.00	522.00
3				
4				
6				
Charges Total (F)				3,672.00
Sub-Total				106,627.41
Fee				

TOTAL 106,627.41

Contract Ref		
Contractor:	AMCO	
ID	HQU3/D	
Structure	EW21	
Amco Reference		
Works Description Pumping to recover water levels at work area from the 06/08/19 to 31/08/19		

Labour	Nr Men	Shifts	hrs	Rate	£
1 Skilled Operative (5nr x 18 day shifts) - 06/08 to 30/08 (Excluding BH 26/08)	5	18	12 00	27.60	29,808 00
2 Operative to maintain the pumps	1	18	12 00	27.60	5,961 60
3 Skilled Operative (3nr x 18 night shifts) 22/07 to 05/08 (Excluding BH 26/08)	3	18	12 00	41.40	26,827 20
4 Operative to maintain the pumps	1	18	12 00	41.40	8,942.40
3 Staff					
4 Contracts Manager		3.8		419 98	1,595 92
5 Site Agent		19		351 86	6,685 34
6 QS		3.8		356 89	1,356.18
Bank Holiday Working					
BH 26/08 - Pumping to regain work area (day)	3	1	12 00	55.20	1,987 20
BH 26/08 - Pumping to regain work area (night)	3	1	12 00	55.20	1,987 20
Weekend Working					
Sat 10/08 - Pumping to regain work area	3	1	12 00	41.40	1,490.40
Sun 11/08 - Pumping to regain work area	3	1	12 00	55.20	1,987 20
Sat 17/08 - Pumping to regain work area (day)	3	1	12 00	41.40	1,490.40
Sun 18/08 - Pumping to regain work area (day)	3	1	12 00	55.20	1,987 20
Sat 24/08 - Pumping to regain work area (day)	3	1	12 00	41.40	1,490.40
Sun 25/08 - Pumping to regain work area (day)	3	1	12 00	55.20	1,987 20
Sat 31/08 - Pumping to regain work area (day)	3	1	12 00	41.40	1,490.40
Labour Total (A)					97,074 25

1					
5					

Supervision Total (B)					
Equipment	No.	Unit Cost	Wks	£	
1 Office (new)	1	240	3.8	912 00	
2 Canteen (new)	1	240	3.8	912 00	
3 Drying Room (new)	1	180	3.8	684 00	
4 Lock up (new)	1	60	3.8	228 00	
5 Toilet	1	60	3.8	228 00	
6 Water Pump	1	60	3.8	228 00	
7 Site generator	1	300	3.8	1,140 00	
8 13T excavator	1	600	3.8	2,280 00	
9 MEWP	1	720	3.8	2,736 00	
10 Telehandler	1	420	3.8	1,596 00	
11 Crane hook	1	72	3.8	273 60	
12 Chains	1	30	3.8	114 00	
13 Tower Scaffold	1	54	3.8	205 20	
14 Drills	4	30	3.8	456 00	
15 Task lights	6	25	3.8	570 00	
16 Festoon tunnel lights	1	240	3.8	912 00	
17 Hog ring guns	1	229.56	3.8	872 33	
18 Vans	4	92	26	9 568 00	
19 Confined space safe system of work	1	924.85	3.8	3 514.43	
20 Fuel bowser	1	67.43	3.8	256 23	
21 Pump hire	1	5448	3.8	20 702.40	
22 2000litres of fuel (per week)	2	2160	3.8	16 416 00	
23 Siltbuster	1	1704	3.8	6 475 20	
24 Ventilation Kit	1	2583.17	3.8	9,816 05	
25 1000KVA generators	1	190.4	3.8	723 52	
26 Extension leads	2	9.86	3.8	74 93	
37 6T Swivel Skip Dumper	1	300	3.8	1,140 00	
38 Heavy Duty Road Plates (65no)	1	71.72	3.8	272 54	
39 SLR5500 Radio Range Extender c/w Duplexer	1	198	3.8	752.40	
40 Additional pipework requirement.	1	1345 32	3.8	5 112 22	
41					
42					
43					
44					
Equipment Total (C)					89,171 04

Wefare Total (D)					
------------------	--	--	--	--	--

MATERIALS	Quantity	Rate	£
3 Diesel	3 8	850 00	3,230 00
4 Fuel for ventilation generators	3 8	1,092.00	4,149 60
5 PPE	3 8	900 00	3,420 00
6			
Materials Total (E)			10,799 60

Sub Contract			
1 Live aluminium road	3 8	1 750.00	6 650 00
2 Black Diamond Security	3 8	290 00	1 102 00
3			
4			
6			
Charges Total (F)			7,752 00
Sub-Total			204,796 88
Fee			

TOTAL 204,796.88

Contract Ref	
Contractor:	AMCO
ID	HQU3/D
Structure	EW24 Opt B
Amco Reference	
Works Description Install strap and bolt support system to stabilise the ongoing sidewall movement at tab 82.	

Labour	Nr Men	Shifts	hrs	Rate	£
1 Skilled Operative (8nr 15 shifts)	8	15	12 00	27.60	39 744 00
2 Operative to maintain the pumps	1	15	12 00	27.60	4,968 00
3 Staff					
4 Contracts Manager	1	3		419 98	1,259 94
5 Site Agent	1	15		351 86	5,277 90
6 QS	1	3		356 89	1,070 67
Weekend Working					
			12 00	55.20	

Labour Total (A) 52,320 51

1					
5					
Supervision Total (B)					

Equipment	No.	Unit Cost	Wks	£
1 Office (new)	1	240	3	720 00
2 Canteen (new)	1	240	3	720 00
3 Drying Room (new)	1	180	3	540 00
4 Lock up (new)	1	60	3	180 00
5 Toilet	1	60	3	180 00
6 Water Pump	1	60	3	180 00
7 Site generator	1	300	3	900 00
8 13T excavator	1	600	3	1,800 00
9 MEWP	1	720	3	2,160 00
10 Telehandler	1	420	3	1,260 00
11 Crane hook	1	72	3	216 00
12 Chains	1	30	3	90 00
13 Tower Scaffold	1	54	3	162 00
14 Drills	4	30	3	360 00
15 Task lights	6	25	3	450 00
16 Festoon tunnel lights	1	240	3	720 00
17 Hog ring guns	1	229.56	3	688 68
18 Vans	4	92	15	5,520 00
19 Confined space safe system of work	1	924.85	3	2,774 55
20 Fuel bowser	1	67.43	3	202 29
21 Pump hire	1	5448	3	16,344 00
22 2000litres of fuel (per week)	1	2160	3	6 480 00
23 Siltbuster	1	1704	3	5,112 00
24 Ventilation Kit	1	2583.17	3	7,749 51
25 1000KVA generators	1	190.4	3	571 20
26 Extension leads	2	9.86	3	59.15
37 6T Swivel Skip Dumper	1	300	3	900 00
38 Heavy Duty Road Plates (65no)	1	71.72	3	215.16
39 SLR5500 Radio Range Extender c/w Duplexer	1	198	3	594 00
40 Additional pipework requirement.	1	1345.32	3	4,035 96
41 Excavator cropper attachemnt.	1	180	3	540 00
42 Turbidity and pH monitor	1	345	3	1,035 00
43 Additional pipework (as per EW22)	1	698.27	3	2,094 81
44				
45 Heavy Duty Telehandler (additional hire duration to ensure equipment on site ready to accpet delivery)	1	1200	4	4,800 00
46 Beretta core rig (internal)	1	220	3	660 00
47 Beretta core rig frame	1	220	3	660 00
48 Diesel hydraulic power pack	1	165	3	495 00
49 Delivery and collection of telehandler	2	250	1	500 00
58				
59				
60				
61				
62				
63				
Equipment Total (C)				72,669 31

Welfare Total (D)

MATERIALS	Quantity	Rate	£
1 Drills	4	487.32	1 949 28
2 Drill bits	2	1,200.00	2,400 00
3 Diesel	3	850 00	2 550 00
4 Fuel for ventilation generators	3	1,092.00	3,276 00
5 PPE	3	900 00	2,700 00
6			
Materials Total (E)			12,875 28

Sub Contract			
1 Provision of bolting materials. Cell straps, steel re-bar, square steel	1	10,000 00	10,000 00
2			
3			
4			
6			
Charges Total (F)			10,000 00
Sub-Total			147,865.10
Fee			

TOTAL 147,865.10

Contract Ref:	
Contractor:	AMCO
ID	HQU/3D
Structure	EW025
Amco Reference	

Works Description: Flood water damage to the 360° excavator, mewp and telehandler that have all been fully submerged in water due to the increased water lever over the weekend 10th & 11th of August.

Labour	Nr Men	Shifts	hrs	Rate	£
1 Skilled Operative (8nr 15 shifts)				27.60	
2 Operative to maintain the pumps				27.60	
3 Staff					
4 Contracts Manager				419.98	
5 Site Agent				351.86	
6 QS				356.89	
Weekend Working					

Labour Total (A)				
1				
5				

Supervision Total (B)				
-----------------------	--	--	--	--

Equipment	No.	Unit Cost		£
1 Spider MEWP (Nationwide/APS)	1	8,779.39	1	8,779.39
2 Telehandler (Ardent)	1	35,847.24	1	35,847.24
3 Excavator (Finning CAT)	1	31,329.31	1	31,329.31
4 17m Boom (Nationwide)	1	1,721.33	1	1,721.33
5				
6				
7				
8				
9				
44				
59				
60				
61				
62				
63				

Equipment Total (C)				77,677.28
---------------------	--	--	--	-----------

Wefare Total (D)				
------------------	--	--	--	--

MATERIALS	Quantity	Rate	£
1			
2			
3			
4			
5			
6			

Materials Total (E)			
---------------------	--	--	--

Sub Contract			
1			
2			
3			
4			
6			

Charges Total (F)			
-------------------	--	--	--

			Sub-Total	77,677.28
			Fee	

TOTAL 77,677.28

04 September 2019
Nationwide Platforms

ESTIMATE.

Dear [REDACTED]

This estimate is to repair the damaged Hinowa LL17-75, serial number 2JOL7 which was recently submerged in water (non-sea water) to a depth of 880mm. This caused water contamination to the Hatz engine, the electric motor, RCD box, 12v battery, ECM1/2, modem, photo cells and multiple electrical connections. The electric motor would need sending to a specialist for strip down as we don't have access to motor test equipment and parts etc, and so we think that the most cost-effective option would be to fit a new electric motor. We have run the machine for a very brief period and the machine functions worked correctly however we would need to fit the new motors to confirm that the ecm1/2 is working correctly, the modem is not working and would need replacing (reflected in the costs). If during the repair stage we found a problem which would result in cost implications we would notify you as soon as possible and as such this estimate is subject to any additional items found during repairs. Once the repairs are completed, we will carry out a Thorough Examination under LOLER and issue a new report. The delivery and collection of the machine to Upton to be carried out by Nationwide Platforms. If required we can give a separate quote for transport.

Labour	£2475.00
Parts	£4394.93
Carriage(parts)	£500.00
Thorough Examination (LOLER)	£220.00
Total	£7589.93
	+
New ECM 1,2 If needed (including programming and carriage) (All prices Exc VAT)	£464.56

£8,054.49 .

Customer: AMALGAMATED CONSTRUCTION LTD	Job Number: 5000485559 Job Date: 19/08/2019 Customer PO: HREPR014/PH/0006 Account No: 100867
--	---

Damage Charges Notification

Contract Details: Contract Number: 0000365854 Site Contact: ian hewitt Telephone Number: 07786801078	Site Address: Station Road AMALGAMATED CONSTRUCTION LTD Station Road BD13 1HS
---	--

Following your request for an engineer to attend site, the items listed below were damaged and required an on-site repair to be carried out. If you have any queries please call the above telephone number quoting the job number shown.

Damage Description: MAIN AGENT SENT TO SITE FOUND THE MACHINE WAS INSIDE A TUNNEL AND DEAD IT HAS BEEN SUBMERGED IN WATER, HEAVY WATER DAMAGE TO ELECTRICS HAD TO DISCONNECT PROPSHAFT AND RELEASE PARK BRAKE SO MACHINE COULD BE TOWED

Item Number	Equipment	Machine Type		
06MT0238	JCB 525-60 TELEHANDLER	6.0m 2.5 Tonne Tele		
	<i>Description</i>		<i>Quantity</i>	<i>Unit Price</i> <i>Charge</i>
	Watling Jcb - Damage Job - Labour		7.00	£52.80 £369.60
	Watling Jcb - Damage Job - Mileage		16.16	£1.10 £17.78
				387.38



Amalgamated Construction Ltd
Whaley Road
Barugh
Barnsley S75 1HT

27 September 2019
Your Order No HREPR014/PH/0006

Your Order No HREPR014/PH/0006

Re: JCB 525-60 TELEHANDLER – SUBMERGED

As discussed with [REDACTED] this machine is currently on 2/3rds hire from the 03/09/2019. We have attempted everything we can to try fix this machine but due to it being totally submerged in water, we have been unsuccessful.

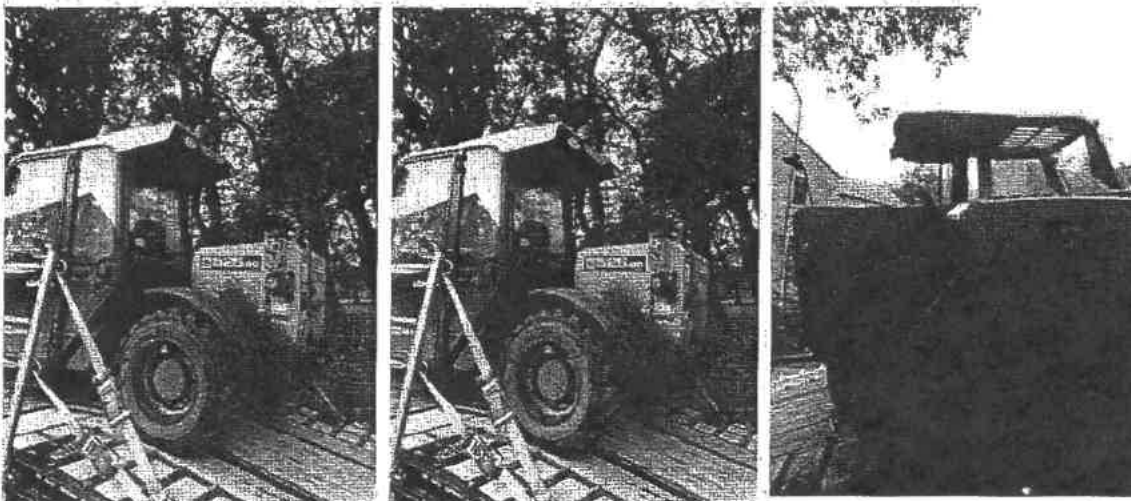
We therefore feel it is beyond economic repair and that we are in a total loss scenario and welcome a loss adjuster from your company or insurance company to come and view the machine.

We will try to help as much as possible with the 2/3rds hire charges if we can get this resolved asap.

As requested, please find below details of the telehandler

MAKE & MODEL	JCB 525-60 with air condition and high specification
YEAR OF MANUFACTURE	2017
REG NO	FA17 CLJ
HOURS	964
LOSS VALUE	£32,500

Photo showing the extent of damage are provided below



If you require further information, please do not hesitate to contact me

Yours faithfully

[REDACTED]
Operations Director



QUOTATION

Finning (UK & Ireland) Ltd

P Flannery Plant Hire(Manche Ster)
Ltd
Flannery House Third Way
Wembley Industrial Estate
London
HA9 0RZ

18/09/2019
Ref: 58012-0.00

Dear [REDACTED]

Serial number FJX01037

Further to our recent discussions, it is with pleasure I write to confirm our proposal for the supply of Finning Parts & Service. All parts used are genuine Caterpillar items and will be covered by a 12 month parts and labour warranty.

Scope of work

Description	Quantity	Unit Price	Total Price
Machine Inspected Due To Water Damage, All Wiring Harness, Controls And Electrical Panels Found To Have Corrosive Damage, New Harness, Controls, Relays, Starter Motor, Alternator Etc Required Final Drives Also Need Assembling.	1	£12,000.00	£12,000.00
Cost For Labour To Carry Out The Above	1	£46.00	£46.00
Cost For Gass And Fluids	5	£45.57	£227.85
Switch A	5	£29.59	£147.95
Cap As	5	£19.71	£98.55
Switch As	1	£2,600.23	£2,600.23
Control As	1	£2,324.04	£2,324.04
Cont Gp	5	£36.29	£181.45
Relay A	1	£143.30	£143.30
Battery	1	£7.62	£7.62
Bar-Bus	2	£62.75	£125.50
Relay As	1	£52.01	£52.01
Sender	1	£554.59	£554.59
Harness As-C	1	£49.07	£49.07
Cable As	1	£55.79	£55.79
Relay As	7	£0.26	£1.82
Nut -De	3	£0.28	£0.84
Washer	1	£19.23	£19.23
Socket-Pwr O	1	£990.84	£990.84
Monitor Gp-O	1	£232.48	£232.48
Harness As-C	1	£250.11	£250.11
Harness As	1	£76.56	£76.56
Harness As	1	£401.11	£401.11
Alternator A	1	£519.05	£519.05
Motor As-Ele			



Description	Quantity	Unit Price	Total Price
Strap A Grd	1	£28.04	£28.04
Switch As	1	£304.51	£304.51
Knob -De	1	£4.96	£4.96
Switch As-St	1	£147.00	£147.00
Switch As-Li	1	£44.03	£44.03
Kit-Service	1	£126.15	£126.15
Harness As	1	£96.93	£96.93
Harness As-M	1	£1,738.50	£1,738.50
Strap A	1	£27.51	£27.51
Switch As.-P	1	£89.43	£89.43
Harness As-E	1	£440.22	£440.22
Bolt-Hex Hea	1	£1.44	£1.44
Washer -De	1	£0.95	£0.95
Seal	1	£1.91	£1.91
Horn As-12 V	1	£53.36	£53.36
Pulley A	1	£117.50	£117.50
Compressor G	1	£504.08	£504.08
Switch As	1	£24.08	£24.08
Conditioner	1	£834.46	£834.46
Panel As	1	£25.38	£25.38
Relay-Mini	1	£47.34	£47.34
Alarm-Backup	1	£110.55	£110.55
Switch As-Ro	1	£22.49	£22.49
Harness As	1	£41.57	£41.57
Cover	2	£294.81	£589.62
Seal-O-Ring	2	£9.48	£18.96
Seal-O-Ring	4	£1.23	£4.92
Plug	2	£44.00	£88.00
Pump As-Fuel	1	£1,027.60	£1,027.60
Sensor As	1	£86.09	£86.09
Seal-O-Ring	1	£6.85	£6.85
Sensor-Therm	1	£89.00	£89.00
Sensor As	1	£117.14	£117.14
Sensor	1	£34.84	£34.84
Sensor-Boost	1	£103.41	£103.41
Sensor Boost	1	£87.87	£87.87
Sensor	1	£169.36	£169.36
Kit-Heater	1	£71.17	£71.17
Compressor A	1	£309.28	£309.28
Grand Total			£28,742.49

All prices quoted exclude VAT and are valid for 30 days. Any additional work not detailed above will be subject to your approval prior to the work being completed.

Thank you for the opportunity to provide our proposal, if you require any further information please do not hesitate to contact me. I look forward to talking to you soon.

Yours sincerely


Customer Account Manager
Finning (UK & Ireland) Ltd

Plant Damage / Loss Authorisation Form



Contract No HREPR014 Contract Name Queensbury Tunnel Person Responsible M [REDACTED] Cost Manager [REDACTED]
 Contracts Manager: [REDACTED] Site Manager: Martin Thomson Date Received 25/06/2019 Date Distributed 01/07/2019
 Supplier Nationwide Hire Order Number: HREPR014/PH/0004

Description Of Equipment	Asset Number	Damage Or Loss	QTY	Rate	Total	Description Of Damage or Reason for Loss	Agreed or Disputed
17m Boom	TB15HB/13	Damage	1.00	£ 510.72	£ 510.72	Rubber Track	
17m Boom	TB15HB/13	Damage	1.00	£ 510.72	£ 510.72	Rubber Track	
17m Boom	TB15HB/13	Damage	1.00	£ 55.58	£ 55.58	Stab light	
17m Boom	TB15HB/13	Damage	1.00	£ 0.57	£ 0.57	Washer	
17m Boom	TB15HB/13	Damage	1.00	£ 80.74	£ 80.74	Black key	
17m Boom	TB15HB/13	Damage	1.00	£ 94.45	£ 94.45	Protection cover	
17m Boom	TB15HB/13	Damage	1.00	£ 94.45	£ 94.45	Protection cover	
17m Boom	TB15HB/13	Damage	1.00	£ 36.97	£ 36.97	Light cover	
17m Boom	TB15HB/13	Damage	1.00	£ 65.00	£ 65.00	Cleaning	
17m Boom	TB15HB/13	Damage	2.00	£ 65.00	£ 130.00	Labour	
Total					£ 1,579.20		

"Lessons Learned" how can this be prevented in the future?
 The damages happened whilst recovering the equipment, in an emergency situation, following the intentional flooding of the tunnel. Intentional mischievous acts cannot be anticipated and the plant had already been moved away from the work area to a place that was thought to be safe from flooding

Comments / reasons for the loss or damage (including if Disputed full reasons why and actions required)

Not all of the damages were due to the flood situation, some are general wear and tear on a machine that was never really designed to be used in a tunnel environment. As a result of this none of the damages are disputed

Agreed Site Manager	(Agreement only)	Signature	[REDACTED]	Print Name	[REDACTED]	Date	26/07/2019
Authorised Project Manager	(Approval Up to £200)	Signature	[REDACTED]	Print Name	[REDACTED]	Date	[REDACTED]
Authorised Contract Manager	(Approval Up to £1,000)	Signature	[REDACTED]	Print Name	[REDACTED]	Date	[REDACTED]
Authorised Director	(Approval over £1,001)	Signature	[REDACTED]	Print Name	[REDACTED]	Date	[REDACTED]

NOTIFICATION

Notified by _____
 On behalf of AMCO Rail
 Notification date 16/08/2019
 Meeting required (Y/N) N
 Proposed Meeting Date N/A

MATTER

Date
 1) the event/circumstance has arisen 12/08/2019
 Date
 2) the event/circumstance is likely to arise _____
 Likely effect (delete as appropriate)
 3) Increase the Contract Sum Anticipated increase (approx) £20,000 00 Provisional Sum
 4) Cause a delay to Date for Completion Anticipated delay N/A
 Approx increase due to delay N/A

Early Warning Matter

PROVISIONAL SUM. Flood water damage to the 360° excavator, mewp and telehandler that have all been fully submerged in water due to the increased water lever over the weekend 10th & 11th of August.

Proposals

Decisions

ACTIONS

Action	Action On	By Date

SIGNATURES

Agreed on behalf of Jacobs _____ Date _____ Position _____
 Agreed on behalf of The Contractor _____ Date _____ Position _____

Further Clarifications / Proposals

Decisions

NOTIFICATION

Notified by	_____
On behalf of	AMCO Rail
Notification date	16/08/2019
Meeting required (Y/N)	N
Proposed Meeting Date	N/A

MATTER

Date		
1) the event/circumstance has arisen		12/08/2019
Date		_____
2) the event/circumstance is likely to arise		_____
Likely effect (delete as appropriate)		
3) Increase the Contract Sum	Anticipated increase (approx)	£10,000 00 Provisional Sum
4) Cause a delay to Date for Completion	Anticipated delay	N/A
	Approx increase due to delay	N/A

Early Warning Matter

PROVISIONAL SUM. Flood water damage to the 360° excavator, mewp and telehandler that have all been fully submerged in water due to the increased water lever over the weekend 10th & 11th of August.

Proposals	Decisions

ACTIONS

Action	Action On	By Date

SIGNATURES

Agreed on behalf of Jacobs	_____	Date _____	Position _____
Agreed on behalf of The Contractor	_____	Date _____	Position _____

Further Clarifications / Proposals	Decisions

NOTIFICATION

Notified by _____
 On behalf of AMCO Rail
 Notification date 10/09/2019
 Meeting required (Y/N) N
 Proposed Meeting Date N/A

MATTER

Date
 1) the event/circumstance has arisen 21/06/2019
 Date
 2) the event/circumstance is likely to arise _____
 Likely effect (delete as appropriate)
 3) Increase the Contract Sum Anticipated increase (approx) £7,569.40
 4) Cause a delay to Date for Completion Anticipated delay N/A
 Approx increase due to delay N/A

Early Warning Matter

Subsistence charges –In association with the EA table of charges 2.3.39 - "Trade effluent and/or non-sewage effluent discharge with specific substances with a volume greater than 100m(3) a day and up to and including 1,000m(3) a day - £9,024.11
 On a pro-rata basis for the charge period 30/05/2019 to 31/03/2020 this is £7,569.40

Proposals

Decisions

ACTIONS

Action	Action On	By Date

SIGNATURES

Agreed on behalf of Jacobs _____ Date _____ Position _____
 Agreed on behalf of The Contractor _____ Date _____ Position _____

Further Clarifications / Proposals

Decisions

NOTIFICATION

Notified by	██████████
On behalf of	AMCO Rail
Notification date	10/09/2019
Meeting required (Y/N)	N
Proposed Meeting Date	N/A

MATTER

Date		
1) the event/circumstance has arisen		21/06/2019
Date		
2) the event/circumstance is likely to arise		
Likely effect (delete as appropriate)		
3) Increase the Contract Sum	Anticipated increase (approx)	£7,708 29
4) Cause a delay to Date for Completion	Anticipated delay	N/A
	Approx increase due to delay	N/A

Early Warning Matter

Subsistence charges –In association with the EA table of charges 2.3.39 - "Trade effluent and/or non-sewage effluent discharge with specific substances with a volume greater than 100m(3) a day and up to and including 1,000m(3) a day - £9,189 69.
On a pro-rata basis for the charge period 30/05/2019 to 31/03/2020 this is £7,708.29

Proposals

Decisions

ACTIONS

Action	Action On	By Date

SIGNATURES

Agreed on behalf of Jacobs	.....	Date	.....	Position	.....
Agreed on behalf of The Contractor	.....	Date	.....	Position	.....

Further Clarifications / Proposals

Decisions

NOTIFICATION

Notified by _____
 On behalf of AMCO Rail
 Notification date 10/09/2019
 Meeting required (Y/N) N
 Proposed Meeting Date N/A

MATTER

Date
 1) the event/circumstance has arisen 27/08/2019
 Date
 2) the event/circumstance is likely to arise _____
 Likely effect (delete as appropriate)
 3) Increase the Contract Sum Anticipated increase (approx) £8,764 56
 4) Cause a delay to Date for Completion Anticipated delay N/A
 Approx increase due to delay N/A

Early Warning Matter

Following an increase of water flow into the tunnel on Saturday 28th August which resulted in a loss of 150m of the work area, water damage has been sustained to the 16.5k diesel generator which has been deemed beyond economical repair and damage has also been incurred to the mechanical seal, shaft and bearings on the pump. N.B This is additional to the damage reported in EW25.

Damage to 16.5kva diesel generator - £7,993.11
 Pump damage to the seal, shaft and bearings to the pump - £771.45

Proposals

Decisions

ACTIONS

Action	Action On	By Date

SIGNATURES

Agreed on behalf of Jacobs _____ Date _____ Position _____
 Agreed on behalf of The Contractor _____ Date _____ Position _____

Further Clarifications / Proposals

Decisions

NOTIFICATION

Notified by _____
 On behalf of AMCO Rail
 Notification date 10/09/2019
 Meeting required (Y/N) N
 Proposed Meeting Date N/A

MATTER

Date
 1) the event/circumstance has arisen 10/09/2019
 Date
 2) the event/circumstance is likely to arise _____
 Likely effect (delete as appropriate)
 3) Increase the Contract Sum Anticipated increase (approx) £3,073 60
 4) Cause a delay to Date for Completion Anticipated delay N/A
 Approx increase due to delay N/A

Early Warning Matter

Due to the authorised increase in water pumping volumes, we are nearing visibility of daylight to the south portal, which in turn will offer easier access opportunities from unauthorised personnel which also raises concern over their safety. We propose to provide and install a live feed camera with 24/7 access via remote footage so this can actively be monitored. We propose this be installed with immediate effect as of today the 10/09/19 for an 8 week period.

Live camera feed CCTV unit £327.70 p/w x 8 wks = £2,621.00
 Install and decommission £452 00

Proposals	Decisions

ACTIONS

Action	Action On	By Date

SIGNATURES

Agreed on behalf of Jacobs _____ Date _____ Position _____
 Agreed on behalf of The Contractor _____ Date _____ Position _____

Further Clarifications / Proposals	Decisions

Contract Ref:	
Contractor:	AMCO
ID	HQU3/D
Structure	EW29
Amco Reference	
Works Description: Pumping to recover water levels at work area from the 01/09/19 to 18/10/19	

Labour	Nr Men	Shifts	hrs	Rate	£
1 Skilled Operative (4nr x 25 day shifts) - 02/09 to 04/10	4	25	12.00	27.60	33,120.00
2 Operative to maintain the pumps	1	25	12.00	27.60	8,280.00
3 Skilled Operative (3nr x 25 night shifts) 02/09 to 04/10	3	25	12.00	41.40	37,260.00
4 Operative to maintain the pumps	1	25	12.00	41.40	12,420.00
5 Skilled Operative (8nr x 10 day shifts) - 07/10 to 18/10	8	10	12.00	27.60	26,496.00
6					
7 Staff					
8 Contracts Manager		7.0		419.98	2,939.86
9 Site Agent		35		351.86	12,315.10
1 QS		7.0		356.89	2,498.23
Weekend Working					
Sun Sunday Day Shifts - Pumping to regain work area - 1st, 8th, 15th, 22nd, 29th of September.	3	5	12.00	55.20	9,936.00
Sun Sunday Night Shifts - Pumping to regain work area - 1st, 8th, 15th, 22nd, 29th of September.	3	5	12.00	55.20	9,936.00
Sat Saturday Day Shifts - Pumping to regain work area - 7th, 14th, 21st & 28th of September.	3	4	12.00	41.40	5,961.60
Sat Saturday Night Shifts - Pumping to regain work area - 7th, 14th, 21st & 28th of September.	3	4	12.00	41.40	5,961.60
Sun Sunday Day Shifts - Pumping to regain work area - 6th, 13th, 20th, 27th of October			12.00	55.20	
Sun Sunday Night Shifts - Pumping to regain work area - 6th, 13th, 20th, 27th of October			12.00	55.20	
Sat Saturday Day Shifts - Pumping to regain work area - 5th, 12th, 19th, 26th of October			12.00	41.40	
Sat Saturday Day Shifts - Pumping to regain work area - 5th, 12th, 19th, 26th of October			12.00	41.40	
Labour Total (A)					167,124.39

1					
5					
Supervision Total (B)					

Equipment	No.	Unit Cost	Wks	£
1 Office (new)	1	240	7	1,680.00
2 Canteen (new)	1	240	7	1,680.00
3 Drying Room (new)	1	180	7	1,260.00
4 Lock up (new)	1	60	7	420.00
5 Toilet	1	60	7	420.00
6 Water Pump	1	60	7	420.00
7 Site generator	1	300	7	2,100.00
8 13T excavator	1	600	7	4,200.00
9 MEWP	1	720	7	5,040.00
10 Telehandler	1	420	7	2,940.00
11 Crane hook	1	72	7	504.00
12 Chains	1	30	7	210.00
13 Tower Scaffold	1	54	7	378.00
14 Drills	4	30	7	840.00
15 Task lights	6	25	7	1,050.00
16 Festoon tunnel lights	1	240	7	1,680.00
17 Hog ring guns	1	229.56	7	1,606.92
18 Vans	4	92	44	16,192.00
19 Confined space safe system of work	1	924.85	7	6,473.95
20 Fuel bowser	1	67.43	7	472.01
21 Pump hire	1	5448	7	38,136.00
22 2000litres of fuel (per week)	2	2160	4.2	18,144.00
23 1000litres of fuel (per week)	1	1080	2.8	3,024.00
24 Siltbuster	1	1704	7	11,928.00
25 Ventilation Kit	1	2583.17	7	18,082.19
26 1000KVA generators	1	190.4	7	1,332.80
27 Extension leads	2	9.66	7	138.03
28 6T Swivel Skip Dumper	1	300	7	2,100.00
29 Heavy Duty Road Plates (65no)	1	71.72	7	502.04
30 SLR5500 Radio Range Extender c/w Duplexer	1	198	7	1,386.00
31 Additional pipework requirement.	1	1345.32	7	9,417.24
32 Turbidity monitor	1	345	7	2,415.00
35 Additional pipework as detailed in CE0023	1	698.27	7	4,887.89
36 Additional pipework requirement delivered 16/09/19	1	222.3	7	1,556.10
37 Delivery and collection of additional pipework at E165 each way	1	330	1	330.00
38				
Equipment Total (C)				162,946.17

Welfare Total (D)				
-------------------	--	--	--	--

MATERIALS	Quantity	Rate	£
3 Diesel	7	850.00	5,950.00
4 Fuel for ventilation generators	7	1,092.00	7,644.00
5 PPE	7	900.00	6,300.00
6			
Materials Total (E)			19,894.00

Sub Contract			
1 Live aluminium road	7	1,750.00	12,250.00
2 Black Diamond Security Cameras	7	290.00	2,030.00
3 Call out Fee for specialist pump maintenance from Selwood Sunday 15/09/19	1	391.00	391.00
4			
5			
Charges Total (F)			14,671.00
Sub-Total			364,635.56
Fee			

TOTAL 364,635.56

NOTIFICATION

Notified by _____
 On behalf of AMCO Rail
 Notification date 12/09/2019
 Meeting required (Y/N) N
 Proposed Meeting Date N/A

MATTER

Date
 1) the event/circumstance has arisen 11/09/2019
 Date
 2) the event/circumstance is likely to arise _____
 Likely effect (delete as appropriate)
 3) Increase the Contract Sum Anticipated increase (approx) £5,562 50
 4) Cause a delay to Date for Completion Anticipated delay N/A
 Approx increase due to delay N/A

Early Warning Matter

Provide on-site security officer from 15:00 to 23 00 for 7 days a week (56 hours per week). We estimate the guard will be required upto and including the last week in October.

£15 per hour x 56 hours = £840 per week £120 per shift

Start date 17/09/19 to 31/10/19. - 45 shifts = £5,400.00

Site Set-up Fee £162.50

Proposals	Decisions

ACTIONS

Action	Action On	By Date

SIGNATURES

Agreed on behalf of Jacobs _____ Date _____ Position _____
 Agreed on behalf of The Contractor _____ Date _____ Position _____

Further Clarifications / Proposals	Decisions

Contract Ref:		
Contractor:	AMCO	
ID	HQU3/D	
Structure	EW31	
Amco Reference		

Works Description: Testing of cement infused lytag. (The testing for this was carried out on the 9th 17th and 18th of October, an extra weeks plant hire has been applied.)

Labour	Nr Men	Shifts	hrs	Rate	£
1 Skilled Operative	2	3	12.00	27.60	1,987.20
2					
3					
4					
5					

Labour Total (A)					1,987.20
-------------------------	--	--	--	--	-----------------

--	--	--	--	--	--

Supervision Total (B)					
------------------------------	--	--	--	--	--

Equipment	No.	Unit Cost	Wks	£
1 SC15 self contained rotary atomiser	1	476.33	2	952.66
2 Delivery & Collection	1	327	1	327.00
3 Lova Guncrete Machine	1	305.2	2	610.40
4 750CFM Compressor	1	673.62	2	1,347.24
5 Delivery & Collection	1	283.4	1	283.40
6				
7				
8				
9				
10				
11				
12				
13				
14				

Equipment Total (C)				3,520.70
----------------------------	--	--	--	-----------------

--	--	--	--	--

Wefare Total (D)					
-------------------------	--	--	--	--	--

MATERIALS	Quantity	Rate	£
1 L A pads	1	32.78	32.78
2 Goosenck liner	1	61.37	61.37
3 Felt seal	1	8.73	8.73
4 Leica (m3)	1	218.00	218.00
Materials Total [E]			320.87

Sub Contract		
1		1,750.00
2		290.00
3		
4		
6		

Charges Total [F]		
--------------------------	--	--

Sub-Total		5,828.77
------------------	--	-----------------

Fee		
------------	--	--

TOTAL 5,828.77

NOTIFICATION

Notified by _____
 On behalf of AMCO Rail
 Notification date 25/11/2019
 Meeting required (Y/N) N
 Proposed Meeting Date N/A

MATTER

Date
 1) the event/circumstance has arisen 25/10/2019
 Date
 2) the event/circumstance is likely to arise _____
 Likely effect (delete as appropriate)
 3) Increase the Contract Sum Anticipated increase (approx) £702 50
 4) Cause a delay to Date for Completion Anticipated delay N/A
 Approx increase due to delay N/A

Early Warning Matter

Provide on-site security officer as requested to shaft 2 during the hours 22:00 to 07 00 for 7 days a week (63 hours per week). The start date is Monday 28/10/19.

£15 per hour x 9 hours = £135 per shift

Start date 28/10/19 to 31/10/19 - 4 shifts = £540.00

Site Set-up Fee £162.50

Proposals	Decisions

ACTIONS

Action	Action On	By Date

SIGNATURES

Agreed on behalf of Jacobs _____ Date _____ Position _____
 Agreed on behalf of The Contractor _____ Date _____ Position _____

Further Clarifications / Proposals	Decisions

NOTIFICATION

Notified by _____
 On behalf of AMCO Rail
 Notification date 25/11/2019
 Meeting required (Y/N) N
 Proposed Meeting Date N/A

MATTER

Date
 1) the event/circumstance has arisen 25/10/2019
 Date
 2) the event/circumstance is likely to arise _____
 Likely effect (delete as appropriate)
 3) Increase the Contract Sum Anticipated increase (approx) £15,000.00
 4) Cause a delay to Date for Completion Anticipated delay N/A
 Approx increase due to delay N/A

Early Warning Matter

Improvements to the condition of Station Road.
 Concrete £102.46 per m3
 Delivery £65.40 per visit
 Waiting time of £65.40 per hour after 10 minutes per cube.
 Cube tests at £32.70 per cube.
 There is a minimum order of 2m3

Proposals	Decisions

ACTIONS

Action	Action On	By Date

SIGNATURES

Agreed on behalf of Jacobs _____ Date _____ Position _____
 Agreed on behalf of The Contractor _____ Date _____ Position _____

Further Clarifications / Proposals	Decisions

Contract Ref	
Contractor:	AMCO
ID	HQU3/D
Structure	EW38
Amco Reference	

Works Description Re-establish site. 27-04-2020 to 19-06-20

Shaft 8
Open up shaft, install ring dam, extend pipes, install temporary water control and prepare areas for spray concrete. Apply spray concrete.

Shaft 6
Prepare area for spray concrete. Apply spray concrete.

Shaft 4
Install temporary dam and over pump, open up the shaft, install ring dam, extend the pipes. Install temporary water control. Prepare area for spray concrete. Apply spray concrete.

Labour	Nr Men	Shifts	hrs	Rate	£
1 Skilled Operative - Weeks 1-5 (less 2 bank holiday days), 2 days of week 8.	12	25	12.00	27 60	99,360 00
2 Skilled Operative - Weeks 6, 7 and 3 days of week 8 of the programmed work.	7	13	12.00	27 60	30 139 20
Staff					
Contracts Manager		8		419.98	3 359 84
Site Agent		38		351.86	13,370 68
QS		8		356.89	2,855.12
Weekend Working					
Weekend Security	1	8	48.00	55 20	21 196 80
Labour Total (A)					170,281 64

1					
2					

Supervision Total (B)

Equipment	No.	Unit Cost	Wks	£
1 Office	1	240	8	1 920 00
2 Canteen	1	240	8	1,920 00
3 Drying Room	1	180	8	1,440 00
4 Lock up	1	60	8	480 00
5 Toilet	1	60	8	480 00
6 Water pump	1	60	8	480 00
7 Site Generator	1	300	8	2,400 00
8 Excavator	1	600	8	4,800 00
9 MEWP	1	720	8	5,760 00
10 Telehandler	1	420	8	3 360 00
11 Crane Hook	1	72	8	576 00
12 Chains	1	30	8	240 00
13 Tower Scaffold	2	54	8	864 00
14 Drills	4	30	8	960 00
15 Task Lights	6	25	8	1 200 00
16 Festoon Lights	1	240	8	1 920 00
17 Confined Space SSOW	1	924 85	8	7,398 80
18 Fuel Bowser	1	67.43	8	539.44
19 Ventilation Kit	1	1800	8	14,400 00
20 100kva Generator	1	190.4	8	1 523 20
21 Extension Leads	2	9.86	8	157.76
22 Heavy Duty Road Plates	10	20	8	1,600 00
23 Radio's	1	50	8	400 00
25 Tower Light	1	175	8	1,400 00
26 Jet Wash	1	50	4	200 00
27 Generator	2	90.00	8	1,440 00
28 Pump	1	120	8	960 00
29 Dumper	1	300	8	2 400 00
30 Grinder	1	25	8	200 00
31 Vans	6	92	38	20,976 00
32 Vans (Security Guards)	2	92	16	2,944 00
35 Transport of plant materials etc.	1	1550	12	18,600 00
36				
37				
38				
Equipment Total (C)				103,939 20

Welfare Total (D)

MATERIALS	Quantity	Rate	£
1 Ring Dam	2	10,000.00	20,000 00
2 Ring Dam Fixings etc	2	1,000.00	2,000 00
3 PPE	1	500.00	500 00
4 Pipes	5	200.00	1 000 00
5 L pins and resin	2	250.00	500 00
6 Diesel	10500	0 80	8,400 00
7 Petrol	1	500.00	500 00
8 Skips	1	350.00	350 00
9 Wet Suits	1	2 000.00	2 000 00
10 Ton Bag Of Sand	25	50 00	1,250 00
11 Plywood threaded bar visqueen resin nuts pins consumables	1	4,000.00	4,000 00
12 Water Fill	7	200.00	1,400 00
13			
Materials Total (E)			41,900 00

Sub Contract	Quantity	Rate	£
1 Live aluminium road	8	1,750.00	14,000 00
2 Gunform	1	188,530 00	188,530 00
3 Provisional Sun for Dry spray on wet areas	1	6,000.00	6,000 00
4			
5			
Charges Total (F)			208,530 00
Sub-Total			524,650 84
Fee			

TOTAL 524,650.84

Contract Ref	
Contractor:	AMCO
ID	HQU3/D
Structure	EW38
Amco Reference	

Works Description Re-establish site.
Shaft 8
Open up shaft, install ring dam, extend pipes, install temporary water control and prepare areas for spray concrete. Apply spray concrete.
Shaft 6
Prepare area for spray concrete. Apply spray concrete.
Shaft 4
Install temporary dam and over pump, open up the shaft, install ring dam, extend the pipes. Install temporary water control. Prepare area for spray concrete. Apply spray concrete.

Labour	Nr Men	Shifts	hrs	Rate	£
1 Skilled Operative - Weeks 1-5, 2 days of week 8 and week 9 of the programmed work.	12	32	12.00	27 60	127,180 80
2 Skilled Operative - Weeks 6, 7 and 3 days of week 8 of the programmed work.	7	13	12.00	27 60	30 139 20
Staff					
Contracts Manager		9		419.98	3 779 82
Site Agent		45		351.86	15,833.70
QS		9		356.89	3,212 01
Weekend Working					
Weekend Security	1	8	48.00	55 20	21 196 80
Labour Total (A)					201,342 33

1					
2					

Supervision Total (B)

Equipment	No.	Unit Cost	Wks	£
1 Office	1	240	9	2 160 00
2 Canteen	1	240	9	2,160 00
3 Drying Room	1	180	9	1,620 00
4 Lock up	1	60	9	540 00
5 Toilet	1	60	9	540 00
6 Water pump	1	60	9	540 00
7 Site Generator	1	300	9	2,700 00
8 Excavator	1	600	9	5,400 00
9 MEWP	1	720	9	6,480 00
10 Telehandler	1	420	9	3 780 00
11 Crane Hook	1	72	9	648 00
12 Chains	1	30	9	270 00
13 Tower Scaffold	2	54	9	972 00
14 Drills	4	30	9	1,080 00
15 Task Lights	6	25	9	1 350 00
16 Festoon Lights	1	240	9	2 160 00
17 Confined Space SSOW	1	924 85	9	8,323 65
18 Fuel Bowser	1	67.43	9	606 87
19 Ventilation Kit	1	1800	9	16,200 00
20 100kva Generator	1	190.4	9	1 713 60
21 Extension Leads	2	9.86	9	177.48
22 Heavy Duty Road Plates	10	20	9	1,800 00
23 Radio's	1	50	9	450 00
25 Tower Light	1	1750	9	15,750 00
26 Jet Wash	1	175	4	700 00
27 Generator	2	50.00	9	900 00
28 Pump	1	90	9	810 00
29 Dumper	1	120	9	1 080 00
30 Grinder	1	300	9	2,700 00
31 Vans	6	92	45	24,840 00
32 Vans (Security Guards)	2	92	16	2,944 00
35 Transport of plant materials etc.	1	12	1550	18,600 00
36				
37				
38				
Equipment Total (C)				129,995 60

Welfare Total (D)

MATERIALS	Quantity	Rate	£
1 Ring Dam	2	10,000.00	20,000 00
2 Ring Dam Fixings etc	2	1,000.00	2,000 00
3 PPE	1	500.00	500 00
4 Pipes	5	200.00	1 000 00
5 L pins and resin	2	250.00	500 00
6 Diesel	10500	0 80	8,400 00
7 Petrol	1	500.00	500 00
8 Skips	1	350.00	350 00
9 Wet Suits	1	2 000.00	2 000 00
10 Ton Bag Of Sand	25	50 00	1,250 00
11 Various	1	4,000.00	4,000 00
12 Water Fill	7	200.00	1,400 00
13			
Materials Total (E)			41,900 00

Sub Contract

1 Live aluminium road	9	1,750.00	15,750 00
2 Gunform	1	188,530 00	188,530 00
3 Provisional Sun for Dry spray on wet areas	1	6,000.00	6,000 00
4			
5			

Charges Total (F) 210,280 00

Sub-Total 583,517 93

Fee

TOTAL 583,517.93

Contract Ref:	
Contractor:	AMCO
ID	HQU3/D
Structure	EW40
Amco Reference	

Works Description: Environment Agency costs for the subsistence charge for the discharge permit at Queensbury Tunnel.

Labour	Nr Men	Shifts	hrs	Rate	£
1					
2					
3					
4					
3	Staff				
4	Contracts Manager			419.98	
5	Site Agent (half a day per week)			351.86	
6	QS			356.89	
	<u>Weekend Working</u>				

Labour Total (A)

1					
5					

Supervision Total (B)

Equipment	No.	Unit Cost	Wks	£
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
10				

Equipment Total (C)

Welfare Total (D)

MATERIALS	Quantity	Rate	£
3			
4			
5			
6			
			Materials Total [E]

Sub Contract	Quantity	Rate	£
1	Environment Agency Charge	1.0	8,279.00
2			
3			
4			
5			
			Charges Total [F]
			8,279.00
			Sub-Total
			8,279.00
			Fee
			9.00%

TOTAL 9,024.11

Contract Ref	
Contractor:	AMCO
ID	HQU3/D
Structure	EW43
Amco Reference	
Works Description	
Install plug at the bottom of Shaft 3. Plug to consist of 6 x bespoke grout bags placed by divers and grout pumped 350m to fill the bags.	

Labour	Nr Men	Shifts	hrs	Rate	£
1 Operative - 8 men 11 weeks	8	55	12.00	27 60	145,728 00
2 Midweek Out of Hours Security	2	55	12.00	27 60	36,432 00
Staff					
Contracts Manager	1	11 0		419.98	4 619.78
Site Agent	1	55		351.86	19,352 30
QS	1	11 0		356.89	3,925.79
H&S Advisor	1	55 0		356.89	19,628 95
Weekend Working					
Weekend Security (Inclusive of handover)	1	11	60.00	55 20	36,432 00
Labour Total (A)					266,118 82

1					
2					
Supervision Total (B)					

Equipment	No.	Unit Cost	Wks	£
1 Office	1	240	11	2,640 00
2 Canteen	1	240	11	2,640 00
3 Drying Room	1	180	11	1,980 00
4 Lock up	1	60	11	660 00
5 Toilet	1	60	11	660 00
6 Water pump	1	60	11	660 00
7 Site Generator	2	300	11	6,600 00
8 Excavator	1	600	11	6,600 00
10 Telehandler	2	420	11	9,240 00
11 Crane Hook	1	72	11	792 00
12 Chains	1	30	11	330 00
13 Tower Scaffold	2	54	11	1 188 00
14 Drills	4	30	11	1,320 00
15 Task Lights	6	25	11	1,650 00
16 Festoon Lights	1	240	11	2,640 00
17 Confined Space SSOW	1	924.85	11	10,173 35
18 Fuel Bowser	1	67.43	11	741.73
19 Ventilation Kit	1	1800	11	19,800 00
20 100kva Generator	1	190.4	11	2,094.40
21 Extension Leads	2	9 86	11	216 92
22 Heavy Duty Road Plates	10	20	11	2,200 00
23 Radio's	1	50	11	550 00
25 Tower Light	1	175	11	1,925 00
26 Jet Wash	1	50	11	550 00
27 Generator	2	90.00	11	1,980 00
28 Water Pump	1	120	11	1,320 00
29 Dumper	2	300	11	6 600 00
30 Compressor	1	825	11	9,075 00
31 Grout tanks	2	275	11	6 050 00
32 Grout pumps	2	275	11	6,050 00
33 Vans (One per man due to social distancing regulations)	8	92	55	40,480 00
34 Vans (Security Guards)	4	92	11	4,048 00
35 COVID-19 Specific PPE	1	50	11	550 00
36				
37				
38				
Equipment Total (C)				154,004.40

Welfare Total (D)				
-------------------	--	--	--	--

MATERIALS	Quantity	Rate	£
1 Grout	900	160.00	144,000 00
2 Grout Pipe	2400	3.50	8,400 00
3 Brackets	175	35 00	6,125 00
4 Diesel	22000	0.70	15,400 00
5 Additional escape sets for specialist subcontractors	5	816.96	4,084.78
6			
Materials Total (E)			178,009.78

Sub Contract			£
1 Live aluminium road	11	1,750 00	19,250 00
2 Proserve	1	39 781.50	39 781 50
3 Divers	10	6,006 00	60,060 00
4 Pontoon installation/recovery	1	5 901 50	5 901 50
5 Pontoon hire	11	448.80	4,936 80
6 Safety boat and rescue team	11	3,256 00	35,816 00
7			
8			
Charges Total (F)			165,745 80
Sub-Total			763,878 80
Fee			

TOTAL 763,878.80

Contract Ref	
Contractor:	AMCO
ID	HQU3/D
Structure	EW43
Amco Reference	
Works Description	
A further 150m of water has advanced into the tunnel therefore from 13.07 - 24.07. Pumping trials, installation of additional grout lines and brackets were carried out.	
27.07 - 16.09. Install plug at the bottom of Shaft 3. Plug to consist of 6 x bespoke grout bags placed by divers and grout pumped 350m to fill the bags.	

Labour	Nr Men	Shifts	hrs	Rate	£
1 Operative - 8 men 13 weeks	8	65	12.00	27 60	172,224 00
2 Midweek Out of Hours Security	2	65	12.00	27 60	43,056 00
Staff					
Contracts Manager	1	13		419.98	5 459.74
Site Agent	1	65		351.86	22,870 90
QS	1	13		356.89	4,639 57
H&S Advisor	1	65		356.89	23,197 85
Weekend Working					
Weekend Security (Inclusive of handover)	1	13	60.00	55 20	43,056 00
Labour Total (A)					314,504 06

1					
2					
Supervision Total (B)					

Equipment	No.	Unit Cost	Wks	£
1 Office	1	240	13	3,120 00
2 Canteen	1	240	13	3,120 00
3 Drying Room	1	180	13	2 340 00
4 Lock up	1	60	13	780 00
5 Toilet	1	60	13	780 00
6 Water pump	1	60	13	780 00
7 Site Generator	2	300	13	7,800 00
8 Excavator	1	600	13	7,800 00
10 Telehandler	2	420	13	10,920 00
11 Crane Hook	1	72	13	936 00
12 Chains	1	30	13	390 00
13 Tower Scaffold	2	54	13	1 404 00
14 Drills	4	30	13	1,560 00
15 Task Lights	6	25	13	1,950 00
16 Festoon Lights	1	240	13	3,120 00
17 Confined Space SSOW	1	924.85	13	12,023 05
18 Fuel Bowser	1	67.43	13	876 59
19 Ventilation Kit	1	1800	13	23,400 00
20 100kva Generator	1	190.4	13	2,475 20
21 Extension Leads	2	9 86	13	256 36
22 Heavy Duty Road Plates	10	20	13	2,600 00
23 Radio's	1	50	13	650 00
25 Tower Light	1	175	13	2,275 00
26 Jet Wash	1	50	13	650 00
27 Generator	2	90.00	13	2,340 00
28 Water Pump	1	120	13	1,560 00
29 Dumper	2	300	13	7 800 00
30 Compressor	1	825	13	10,725 00
31 Grout tanks	2	275	13	7 150 00
32 Grout pumps	2	275	13	7,150 00
33 Vans (One per man due to social distancing regulations)	8	92	65	47,840 00
34 Vans (Security Guards)	4	92	13	4,784 00
35 COVID-19 Specific PPE	1	50	13	650 00
36				
37				
38				
Equipment Total (C)				182,005 20

Welfare Total (D)				
-------------------	--	--	--	--

MATERIALS	Quantity	Rate	£
1 Grout	910	160.00	145,600 00
2 Grout Pipe	2900	3.50	10,150 00
3 Brackets	175	35 00	6,125 00
4 Diesel	26000	0.70	18,200 00
5 Additional escape sets for specialist subcontractors	5	816.96	4,084.78
6			
Materials Total (E)			184,159.78

Sub Contract			£
1 Live aluminium road	13	1,750 00	22,750 00
2 Proserve	1	39 781.50	39 781 50
3 Divers	10	6,006 00	60,060 00
4 Pontoon installation/recovery	1	5 901 50	5 901 50
5 Pontoon hire	13	448.80	5,834.40
6 Safety boat and rescue team	13	3,256 00	42,328 00
7 Shaft 3 design	1	6,540 00	6,540 00
8			
Charges Total (F)			183,195.40
Sub-Total			863,864.44
Fee			

TOTAL 863,864.44

Contract Ref	
Contractor:	AMCO
ID	HQU3/D
Structure	EW44
Amco Reference	
Works Description	
Remove previously installed Ramarch at Shaft 3, Install crash deck to protect workforce, undertake intrusive investigation using core drills and endoscope. 24/08/20 - 01/09/20	

Labour	Nr Men	Shifts	hrs	Rate	£
1 Operative -	5	5	12 00	27.60	8,280.00
2 Midweek Out of Hours Security	2	1	12 00	27.60	662.40
Staff					
Contracts Manager	1	1		419.98	419.98
Site Agent	1	5		351.86	1,759.30
QS	1	1		356.89	356.89
H&S Advisor	1	1		356.89	356.89
Weekend Working & Bank Holiday					
Weekend Security (Inclusive of handover)	2	7	12 00	55.20	9,273.60
Labour Total (A)					21,109.06

1					
2					
Supervision Total (B)					

Equipment	No.	Unit Cost	Wks	£
1 Office	1	240	1	240.00
2 Canteen	1	240	1	240.00
3 Drying Room	1	180	1	180.00
4 Lock up	1	60	1	60.00
5 Toilet	1	60	1	60.00
6 Water pump	1	60	1	60.00
7 Site Generator	2	300	1	600.00
8 Excavator	1	600	1	600.00
10 Telehandler	2	420	1	840.00
11 Crane Hook	1	72	1	72.00
12 Chains	1	30	1	30.00
13 Tower Scaffold	2	54	1	108.00
14 Drills	4	30	1	120.00
15 Task Lights	6	25	1	150.00
16 Festoon Lights	1	240	1	240.00
17 Confined Space SSOW	1	924.85	1	924.85
18 Fuel Bowser	1	67.43	1	67.43
19 Ventilation Kit	1	1800	1	1,800.00
20 100kva Generator	1	190.4	1	190.40
21 Extension Leads	2	9.86	1	19.72
22 Heavy Duty Road Plates	10	20	1	200.00
23 Radio's	1	50	1	50.00
25 Tower Light	1	175	1	175.00
26 Jet Wash	1	50	1	50.00
27 Generator	2	90 00	1	180.00
33 Vans (One per man due to social distancing regulations)	5	92	5	2,300.00
34 Vans (Security Guards)	4	92	1	368.00
35 COVID-19 Specific PPE	1	50	1	50.00
36 Ventilation fan	1	1800	1	1,800.00
37				
38				
Equipment Total (C)				11,775.40

Welfare Total (D)				
-------------------	--	--	--	--

MATERIALS	Quantity	Rate	£
1 Core drill bits	2	55.00	110.00
2 Wood for Crash Deck	6	38.50	231.00
3 Brackets for Crash Deck	8	38.50	308.00
4 Diesel	1000	0.70	700.00
5			
6			
Materials Total [E]			1,349.00

Sub Contract			
1 Live aluminium road	1	1,750.00	1,750.00
2 Pontoon hire	1	448.80	448.80
3 Safety boat and rescue team	1	3,256.00	3,256.00
4			
5			
6			
7			
8			
Charges Total [F]			5,454.80
Sub-Total			39,688.26
Fee			

TOTAL 39,688.26

Contract Ref	
Contractor:	AMCO
ID	HQU3/D
Structure	EW44
Amco Reference	
Works Description	
Remove previously installed Ramarch at Shaft 3, Install crash deck to protect workforce, undertake intrusive investigation using core drills and endoscope.	

Labour	Nr Men	Shifts	hrs	Rate	£
1 Operative -	5	22	12 00	27.60	36,432.00
2 Midweek Out of Hours Security	2	22	12 00	27.60	14,572.80
Staff					
Contracts Manager	1	4		419.98	1,679.92
Site Agent	1	22		351.86	7,740.92
QS	1	4		356.89	1,427.56
H&S Advisor	1	4		356.89	1,427.56
Weekend Working & Bank Holiday					
Weekend Security (Inclusive of handover)	2	24	12 00	55.20	31,795.20
Labour Total (A)					95,075.96

1					
2					
Supervision Total (B)					

Equipment	No.	Unit Cost	Wks	£
1 Office	1	240	4.4	1,056.00
2 Canteen	1	240	4.4	1,056.00
3 Drying Room	1	180	4.4	792.00
4 Lock up	1	60	4.4	264.00
5 Toilet	1	60	4.4	264.00
6 Water pump	1	60	4.4	264.00
7 Site Generator	2	300	4.4	2,640.00
8 Excavator	1	600	4.4	2,640.00
10 Telehandler	2	420	4.4	3,696.00
11 Crane Hook	1	72	4.4	316.80
12 Chains	1	30	4.4	132.00
13 Tower Scaffold	2	54	4.4	475.20
14 Drills	4	30	4.4	528.00
15 Task Lights	6	25	4.4	660.00
16 Festoon Lights	1	240	4.4	1,056.00
17 Confined Space SSOW	1	924.85	4.4	4,069.34
18 Fuel Bowser	1	67.43	4.4	296.69
19 Ventilation Kit	1	1800	4.4	7,920.00
20 100kva Generator	1	190.4	4.4	837.76
21 Extension Leads	2	9.86	4.4	86.77
22 Heavy Duty Road Plates	10	20	4.4	880.00
23 Radio's	1	50	4.4	220.00
25 Tower Light	1	175	4.4	770.00
26 Jet Wash	1	50	4.4	220.00
27 Generator	2	90 00	4.4	792.00
33 Vans (One per man due to social distancing regulations)	5	92	22	10,120.00
34 Vans (Security Guards)	4	92	4.4	1,619.20
35 COVID-19 Specific PPE	1	50	4.4	220.00
36 Ventilation fan	1	1800	4.4	7,920.00
37				
38				
Equipment Total (C)				51,811.76

Welfare Total (D)				
-------------------	--	--	--	--

MATERIALS	Quantity	Rate	£
1 Core drill bits	12	55.00	660.00
2 Wood for Crash Deck	6	38.50	231.00
3 Brackets for Crash Deck	8	38.50	308.00
4 Diesel	4000	0.70	2,800.00
5			
6			
Materials Total [E]			3,999.00

Sub Contract			
1 Live aluminium road	4.4	1,750.00	7,700.00
2 Pontoon hire	4.4	448.80	1,974.72
3 Safety boat and rescue team	4.4	3,256.00	14,326.40
4			
5			
6			
7			
8			
Charges Total [F]			24,001.12
Sub-Total			174,887.84
Fee			

TOTAL 174,887.84

Contract Ref	
Contractor:	AMCO
ID	HQU3/D
Structure	EW44
Amco Reference	
Works Description	
Remove previously installed Ramarch at Shaft 3, Install crash deck to protect workforce, undertake intrusive investigation using core drills and endoscope.	

Labour	Nr Men	Shifts	hrs	Rate	£
1 Operative - 01.09 to 11.09	5	9	12 00	27.60	14,904.00
2 Operative - 14.09 to 30.09	1	13	12 00	27.60	4,305.60
3 Midweek Out of Hours Security	2	22	12 00	27.60	14,572.80
Staff					
Contracts Manager	1	4		419.98	1,679.92
Site Agent	1	22		351.86	7,740.92
QS	1	4		356.89	1,427.56
H&S Advisor	1	4		356.89	1,427.56
Weekend Working & Bank Holiday					
Weekend Security (Inclusive of handover)	2	24	12 00	55.20	31,795.20
Labour Total (A)					77,853.56

1					
2					

Supervision Total (B)					
-----------------------	--	--	--	--	--

Equipment	No.	Unit Cost	Wks	£
1 Office	1	240	4.4	1,056.00
2 Canteen	1	240	4.4	1,056.00
3 Drying Room	1	180	4.4	792.00
4 Lock up	1	60	4.4	264.00
5 Toilet	1	60	4.4	264.00
6 Water pump	1	60	4.4	264.00
7 Site Generator	2	300	4.4	2,640.00
8 Excavator	1	600	4.4	2,640.00
10 Telehandler	2	420	4.4	3,696.00
11 Crane Hook	1	72	4.4	316.80
12 Chains	1	30	4.4	132.00
13 Tower Scaffold	2	54	4.4	475.20
14 Drills	4	30	4.4	528.00
15 Task Lights	6	25	4.4	660.00
16 Festoon Lights	1	240	4.4	1,056.00
17 Confined Space SSOW	1	924.85	4.4	4,069.34
18 Fuel Bowser	1	67.43	4.4	296.69
19 Ventilation Kit	1	1800	4.4	7,920.00
20 100kva Generator	1	190.4	4.4	837.76
21 Extension Leads	2	9.86	4.4	86.77
22 Heavy Duty Road Plates	10	20	4.4	880.00
23 Radio's	1	50	4.4	220.00
25 Tower Light	1	175	4.4	770.00
26 Jet Wash	1	50	4.4	220.00
27 Generator	2	90 00	4.4	792.00
33 Vans (One per man due to social distancing regulations)	5	92	9	4,140.00
34 Vans (One per man due to social distancing regulations)	1	92	13	1,196.00
35 Vans (Security Guards)	4	92	4.4	1,619.20
36 COVID-19 Specific PPE	1	50	4.4	220.00
37 Ventilation fan	1	1800	4.4	7,920.00
38				
Equipment Total (C)				47,027.76

Welfare Total (D)				
-------------------	--	--	--	--

MATERIALS	Quantity	Rate	£
1 Core drill bits	12	55.00	660.00
2 Wood for Crash Deck	6	38.50	231.00
3 Brackets for Crash Deck	8	38.50	308.00
4 Diesel	4000	0.70	2,800.00
5			
6			
Materials Total (E)			3,999.00

Sub Contract	Quantity	Rate	£
1 Live aluminium road	4.4	1,750.00	7,700.00
2 Pontoon hire	4.4	448.80	1,974.72
3 Safety boat and rescue team	4.4	3,256.00	14,326.40
4			
5			
6			
7			
8			
Charges Total (F)			24,001.12
Sub-Total			152,881.44
Fee			

TOTAL 152,881.44

Contract Ref:		
Contractor:	AMCO	
ID	HQU3/D	
Structure		
Amco Reference		
Works Description:		

Labour	Nr Men	Shifts	hrs	Rate	£
1 Skilled Operative	6	60	12.00	27.60	119,232.00
2 Operative to maintain the pumps	1	10	12.00	27.60	3,312.00
3 Staff					
4 Contracts Manager		12		419.98	5,039.76
5 Site Agent		60		351.86	21,111.60
6 QS		12		356.89	4,282.68
7					
8					
Labour Total (A)					152,978.04

1					
2					
3					
4					
5					
Supervision Total (B)					

Equipment	No.	Duration	Unit Cost	£
1 Office (new)	1	240	14	3,360.00
2 Canteen (new)	1	240	14	3,360.00
3 Drying Room (new)	1	180	14	2,520.00
4 Lock up (new)	1	60	14	840.00
5 Toilet	1	60	14	840.00
6 Water Pump	1	60	14	840.00
7 Site generator	1	300	14	4,200.00
8 13T excavator	1	600	14	8,400.00
9 MEWP	1	720	14	10,080.00
10 Telehandler	1	420	14	5,880.00
11 Crane hook	1	72	14	1,008.00
12 Chains	1	30	14	420.00
13 Tower Scaffold	1	54	14	756.00
14 Drills	4	30	14	1,680.00
15 Task lights	6	25	14	2,100.00
16 Festoon tunnel lights	1	240	14	3,360.00
17 Hog ring guns	1	229.56	14	3,213.84
18 Vans	4	92	60	22,080.00
19 Confined space safe system of work	1	924.85	12	11,098.20
20 Fuel bowser	1	67.43	14	944.02
21 Pump hire	1	5448	2	10,896.00
22 2000litres of fuel (per week)	1	2160	2	4,320.00
23				
24				
25				
26				
Equipment Total (C)				102,196.06

Welfare Total (D)				
--------------------------	--	--	--	--

MATERIALS	Quantity	Rate	£
1 Steel Arches	1	94,630.00	94,630.00
2 Calcs and drawings	1	3,000.00	3,000.00
3 Timber	1	1,200.00	1,200.00
4 Tools	1	600.00	600.00
5 PPE	1	1,200.00	1,200.00
6 Diesel	12	850.00	10,200.00
Ram Arch	1	182,714.39	182,714.39
7			
10	Materials Total [E]		293,544.39

Sub Contract			
1 Selwood	1	10,548.00	10,548.00
2 Live aluminium road (including 6 week hire)	1	10,500.00	10,500.00
3 Additional 8 week	8	1,448.00	11,584.00
4 Transportation of Steel arches	10	670.00	6,700.00
5 Black Diamond Security	14	270.00	3,780.00
6 Set up and commission	1	400.00	400.00
7	Charges Total [F]		43,512.00
8	Sub-Total		592,230.49
Fee			

TOTAL 592,230.49

Early Warning	Compensation Event	EW Value	Date EW received	CE Value	Date Instructed	Reason for variance	Revised CE value
NA	CE0001	RAM Arch Mesh Installation	£ 545,372.50	£ 545,372.50	04/09/2018		£ 545,372.50
EW1	CE0002	Drainage Investigation	£ 5,403.04	£ 5,403.04	25/10/2018		£ 5,403.04
EW2	CE0003	Manhole Chamber	£ 7,432.71	£ 7,432.71	02/11/2018		£ 7,432.71
EW3	CE0004	Jetting of Drainage	£ 12,510.39	£ 12,510.39	02/11/2018		£ 12,510.39
EW4	CE0005	Confined Space safe systems of work	£ 35,289.10	£ 35,289.10	09/11/2018		£ 35,289.10
EW5	CE0006	Additional jetting	£ 4,170.10	£ 4,170.10	20/11/2018		£ 4,170.10
EW6	CE0007	Work through the collapse & install the pumping system	£ 592,230.49	£ 498,861.92	21/11/2018	Total value to complete the works minus CEs issued	£ 498,861.92
EW7	CE0008	Tunnel Ventilation	£ 115,762.57	£ 115,762.57	14/12/2018		£ 115,762.57
EW8	CE0009	Flooding	£ 154,622.67	£ 144,622.67	18/01/2019	Deducted provisional sum for damaged MEWP	£ 144,622.67
EW9	CE0010	Trackboom MEWP damaged	£ 3,654.00	£ 3,654.00	19/03/2019		£ 3,654.00
EW10	CE0011	Siltbuster	£ 19,743.92	£ 19,743.92	19/03/2019		£ 19,743.92
EW11	CE0012	Data-logged monitoring by Gas Clams	£ 8,426.65	£ 8,426.65	19/03/2019		£ 8,426.65
EW12	CE0013	12 steel (colliery arches) & associated mesh - procurement only	£ 20,125.92	£ 20,125.92	28/03/2019		£ 20,125.92
EW13	CE0014	Stand down period while Silt Buster equipment was installed	£ 66,906.91	£ 66,906.91	28/03/2019		£ 66,906.91
EW14	CE0015	Additional RAM Arch and colliery arches between collapses	£ 612,225.66	£ 484,132.29	18/04/2019	Time related costs have been reduced and will be re	£ 484,132.29
EW15	CE0016	Overtime due to pumping and ventiation issues	£ 110,579.06	£ 110,579.06	14/05/2019		£ 110,579.06
EW16	CE0017	Pump damage in association with flooding	£ 1,305.00	£ 1,305.00	29/05/2019		£ 1,305.00
EW17	Rejected	Continuation of CE7 & 15 (needs splitting and rewording)			13/06/2019		
EW17 rev1	CE0018	Continuation of CE0015 (additional time)	£ 50,597.02	£ 50,597.02	16/07/2019	See note against EW14 above	£ 50,597.02
EW17a	CE0018a	Continuation of CE007 (additional time)	£ 152,913.21	£ 63,692.13	16/07/2019	Reduced to cover actual duration of works	£ 63,692.13
EW18	CE0019	Additional Pumping to recover working area	£ 165,005.46	£ 165,005.46	13/06/2019		£ 165,005.46
EW19	CE0020	Additional Ram Arch between 2nd collapse and shaft 3	£ 164,953.52	£ 164,953.52	24/07/2019		£ 164,953.52
EW20	CE0021	Pumping water period 22/07/19 - 05/08/19	£ 106,627.41	£ 106,627.41	06/08/2019		£ 106,627.41
EW21	CE0022	Pumping water period 06/08/19 - 31/08/19	£ 204,796.88	£ 204,796.88	06/08/2019		£ 204,796.88
EW22	CE0023	Turbidity Monitoring and additional pipework	£ 9,226.99	£ 9,226.99	16/08/2019		£ 9,226.99
EW23	N/A	Colliery Arches at bulge at tab 76.2 - (£182,235.62)	£ 182,235.62		16/08/2019	Not carried through as not required at this time	
EW24A	N/A	Colliery Arches at bulge at tab 84-85 - (£122,290.42)	£ 122,290.42		16/08/2019	Not carried through as not required at this time	
EW24B	N/A	Strap and rock bolt bulge at tab 84-85 - (£147,865.10)	£ 147,865.10		16/08/2019	Not carried through as not required at this time	
EW25	CE0030	Flood damage to plant (360° excavator, spider MEWP, telehandler)	£ 77,677.28	£ 77,677.28	10/09/2019		£ 77,677.28
EW26	CE0024	EA charges	£ 7,569.40	£ 7,569.40	10/09/2019		£ 7,569.40
EW27	CE0025	Generator Damage	£ 8,764.56	£ 8,764.56	10/09/2019		£ 8,764.56
EW28	CE0026	Additional Security System CCTV (8 weeks 10/09 to 5/11)	£ 3,073.60	£ 3,073.60	10/09/2019	Reduced duration	£ 2,352.66
EW29	CE0027	Additional pumping costs for 01 09-31.10	£ 503,401.99	£ 503,401.99	10/09/2019	Revised 11/12/2019	£ 363,543.57
EW30	CE0028	Provision of an on-site security guard	£ 5,562.50	£ 5,562.50	12/09/2019	Reduced duration	£ 1,962.50
EW31	CE0031	Testing of cement infused lytag	£ 4,373.62	£ 5,507.90	07/10/2019	Revised 11/12/2019	£ 5,828.78
EW32	N/A	Ongoing Site Operating Costs to end of April 2020	£ 103,463.60		08/10/2019		£ 103,463.60
EW33	CE0029	Filling of Shaft 2	£ 148,000.00	£ 148,000.00	14/10/2019	Provisional sum until actual costs received from Tom Revised 11/12/2019	£ 118,737.05
EW34	CE0032	Security Guard to Shaft 2	£ 702.50	£ 702.50	25/11/2019		£ 702.50
EW35	N/A	Repairs to Station Road (Materials only)	£ 15,000.00	£ 15,000.00	25/11/2019	N/A	covered in CE007
EW36	CE0033	Road Plate Write Off Costs	£ 2,767.52	£ 2,767.52	29/11/2019		£ 2,767.52
EW37	CE0034	Pipework Write Off Costs	£ 33,046.06	£ 33,046.06	13/12/2019		£ 33,046.06
EW38	CE0035	Shotcrete	£ 583,517.93	£ 583,517.93	03/04/2020	Reduced duration	£ 523,080.60
EW39	CE0036	Interim Site Running Costs	£ 6,515.13	£ 6,515.13	14/04/2020		£ 6,515.13
EW40	CE0037	EA charges	£ 9,024.11	£ 9,024.11	05/05/2020		£ 9,024.11
EW41	CE0040	Remobilisation for shotcreting works	£ 60,237.68	£ 60,237.68	18/06/2020		£ 60,237.68
EW42	CE0038	Interim site running costs (22/06/2020 - 10/07/2020)	£ 45,170.82	£ 45,170.82	18/06/2020		£ 45,170.82
EW43	CE0039	Shaft 3 Plug Works	£ 779,634.08	£ 779,634.08	26/06/2020	Redesign of concept	£ 860,295.54
EW44	CE0041	Shaft 3 Intrusive Works	£ 39,688.26	£ 39,688.26	07/09/2020	Includes running costs to end Sept	£ 152,881.44
EW45		Contract Value	£ 1,137,602.99	£ 1,044,234.42			£ 1,044,234.42
		Instructions	£ 4,469,468.83	£ 4,139,825.06			£ 4,188,584.54
		Early Warnings not instructed	£ 452,391.14	£ -			£ -
		AFC	£ 6,059,462.96	£ 5,184,059.48			£ 5,232,818.96