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**Infrastructure Services**

Ref: AMIS/letter/AM/Projects/253

18<sup>th</sup> June 2007

**Mr. Graeme Barclay**  
MUDFA Utilities Project Manager  
Limited.  
Verity House,  
19 Haymarket Yards,  
Edinburgh.  
EH12 5BH

Dear Graeme,

**Subject: MUDFA Alfred McAlpine Infrastructure Services (AMIS) – Contract A150  
AMIS MUDFA Project Progress Report – Contract Requirement 2.46**

I refer to the above referenced contract requirement and have pleasure in forwarding you a copy of the AMIS MUDFA Project Progress Reports for the June 2007 period covering the Edinburgh Tram Multi-Utility Diversion Framework Agreement (MUDFA) construction works.

If you should have any further queries then please do not hesitate to contact me. I look forward to seeing you at the monthly progress meeting scheduled for Thursday 21<sup>st</sup> June 2007 at 10.00 Hrs, Leith Offices.

Yours sincerely,  
For and on behalf of Alfred McAlpine Infrastructure Services Ltd



**Andrew Malkin**  
MUDFA AMIS Project Director



Alfred McAlpine Infrastructure Services Limited. Registered in England No. 00728599  
Registered Office: Kinnaird House, 1 Pall Mall East, London SW1Y 5AZ

**CEC01565583\_0001**



**Infrastructure Services**  
Ref: AMIS/tie/letter/AM/Projects/253  
18<sup>th</sup> June 2007

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**Copies:-**

**tie Project Team**  
See Report Distribution

**MUDFA Project Team**  
See Report Distribution  
**AMIS MUDFA Board**

**Attachment /...**

**AMIS MUDFA Transmittal No. AMIS/tie/DT/Admin/0171**



Alfred McAlpine Infrastructure Services Limited. Registered in England No. 00728599  
Registered Office: Kinnaird House, 1 Pall Mall East, London SW1Y 5AZ

**CEC01565583\_0002**



**MULTI-UTILITY DIVERSION FRAMEWORK  
 AGREEMENT (MUDFA)**  
 Relating to the  
**Edinburgh Tram Network**  
 Contract No. A150

**ALFRED McALPINE  
 INFRASTRUCTURE SERVICES (AMIS)**  
  
**DOCUMENT No. A150/PM/PRJ-REP/MUDFA/03**  
  
**DOCUMENT TITLE :**  
  
**PROJECT MONTHLY REPORT  
 JUNE 2007 - MUDFA WORKS**

VERSION No : 01

PAGE : 1 of 15

<b>DOCUMENT OWNER : ANDREW MALKIN</b>							
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Andrew Malkin	15.06.07		5.06.07		15.06.07	N/A	N/A
Author	Date	Checked	Date	Approved	Issue Date	Approved	Date
MUDFA AMIS PROJECT TEAM						Tie / Client	



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## MULTI-UTILITY DIVERSION FRAMEWORK AGREEMENT (MUDFA)

### AMIS MUDFA Project Monthly Report – Construction Services

### MULTI-UTILITY DIVERSION FRAMEWORK AGREEMENT

### Month 3 – June 2007

#### Contents

1. Executive Summary
2. Health and Safety, CDM, Quality and Environmental
3. SDS Design Interface and Buildability Analysis
4. Operations Management
5. Communications and Stakeholders
6. Construction Planning and Project Controls
7. Contract and Commercial Management
8. Future Business Opportunities & Developments

#### **Appendices :**

1. Construction Services : Section 1A / North Ocean Drive Construction Works  
(Currently being Developed).
2. AMIS MUDFA Change Control Register (2 Pages)

#### **Distribution :**

##### *tie Limited Project Management*

Matthew Crosse, Susan Clark, Steven Bell, Suzanne Waugh, Tom Clark, Brian McCall, Tom Condie, Graeme Walker, Graeme Barclay (Chair), Phil Douglas, Allan Hill, John Low, Jim Johnson, Ian Clark, Michael Blake, John Casserly, Jim Sneddon & John McAloon.

##### *AMIS Project Management*

Andrew Malkin, Keith Gourlay, Graeme Strachan, Gil Clelland, Gerry Bannon, Stephen Clemenson, Steven Crosbie, Mark Riley, Roddy Aves, Billy Murray, Ian Shanks, Catherine Gick, Taryne Lowe, John Cowan, AMIS Board (Alan Robertson) & AMIS MUDFA Contract File (30 Copies in Total).



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## MULTI-UTILITY DIVERSION FRAMEWORK AGREEMENT (MUDFA)

### 1. Executive Summary

Alfred McAlpine Infrastructure Services (AMIS) continues on hold awaiting the final Edinburgh Tram government decision expected on 26<sup>th</sup> June 2007. Meanwhile the AMIS MUDFA team continues to plan for construction services and has been advised within the reporting period that the RAT 1A/1 Rev 02 proposal is to be withdrawn following advice from SDS Provider. AMIS MUDFA has been mitigating costs to support **tie** Limited in any justification process and will find full resourcing difficult in support of the programme due to late and delayed notifications.

In line with the last eight monthly progress reports the main AMIS MUDFA concern still relates to the lack of availability of Issued for Construction (IFC) detailed utility design drawings (Circa 300 No.), conflict registers, bill of materials (BOM's), HAZID Logs and cost estimates by the SDS Provider (See Section 3 for specific details and programme status @ Rev 05) to support Revision 05 of the construction programme. AMIS MUDFA has reviewed the **tie** Limited commercial agreement and discussed same at meetings held on Wednesday 23<sup>rd</sup> May and Friday 15<sup>th</sup> June 2007.

In the next reporting period **tie** Limited and AMIS MUDFA will concentrate on the development of Revision 06 of the construction works programme and will take cognisance of the inter-dependencies on the imminent INFRACO works (i.e major capital expenditure programme).

### 2. Health and Safety, CDM, Quality and Environmental

#### *Main Achievements Within the Reporting Period*

- No major accidents. Accident Frequency Rate (AFR) = 0.
- Utility strike occurred at Gogar Depot (Refer to Gogar Depot & incident reports). Incident investigation completed and lessons learnt, corrective action plans and improvement initiatives being implemented across the entire site.
- AMIS MUDFA safety inductions complete and up to date.
- No environmental or archaeological issues to report within the reporting period.
- **tie** Limited carried out an audit of the Trial Site records (3 No. findings).
- AMIS Corporate conducted an audit of the AMIS MUDFA BMS (3 No. findings).
- CDM and HAZID review held with **tie** Limited, SDS Provider and AMIS MUDFA.
- Mr. Jim Ritchie has taken over the role of Mr. Jim Sneddon for **tie** Limited.



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## MULTI-UTILITY DIVERSION FRAMEWORK AGREEMENT (MUDFA)

### **Activities Planned for Next Reporting Period**

- Induction and awareness training for EARL project team and Jacobs Engineering.
- Continue MUDFA staff safety forums at Leith Offices and site compound.
- Carry out AMIS MUDFA site safety tour at Gogar depot with major emphasis on utility identification and protection (A. Malkin & G. Strachan).
- Address key actions resulting from H,S,E & Q meeting held on Wednesday 16<sup>th</sup> May 2007. Main concerns relate to CDM Regulations and SDS HAZID Log.
- Potential conflicts arising in relation to Schedule 2 requirements and criteria for the preparation of method Statements.

### **Areas of Concern & Key Highlights**

- Availability of SDS HAZID Log data for next worksite (2<sup>nd</sup> July 2007).

## **3. SDS Design Interface and Buildability Analysis**

### **Main Achievements Within the Reporting Period**

- Gas Thumbnail Utility Design Sketches (TUDS) completed for SDS Sections 1B (Batches 1 to 3).
- Water Thumbnail Utility Design Sketches (TUDS) completed for SDS Sections 3B (Batches 1 to 5).
- Water Thumbnail Utility Design Sketches (TUDS) completed for SDS Section 3C.
- Water Thumbnail Utility Design Sketches (TUDS) completed for SDS Section 6 (Based on preliminary design and not Scottish Water twin main solution).
- Water Thumbnail Utility Design Sketches (TUDS) completed for SDS Section 5.
- Water Thumbnail Utility Design Sketches (TUDS) completed for SDS Sections 2 and 3A and **tie** Limited confirmed acceptance of input.
- RAT 1A/1 Revision 2 proposals cancelled by **tie** Limited due to SDS Provider changes to track alignment and scheme at Ocean terminal frontage.
- Section 1B Traffic Management Plans presented to the **tie** Limited / CEC Traffic Management Review Panel.
- AMIS MUDFA attendance at regular SUC meetings continues. **tie** Limited requested to reconsider a new series of design validation meetings.
- Formally submitted "Red-Line" drawings for the Trial Site at casino Square.
- Outstanding "Work Order" listing and report produced for **tie** Limited.



## MULTI-UTILITY DIVERSION FRAMEWORK AGREEMENT (MUDFA)

### **Activities Planned for Next Reporting Period**

- Complete any outstanding Gas & Water Thumbnail Utility Design Sketches (TUDS) for SDS Provider and prepare entitlement of claim for additional hours.
- Consider any future RAT proposals for tie Limited review and approval.
- Complete Section 1A/North work orders for tie Limited approval.
- Complete Section 1B Traffic Management Plan reviews with traffic panel.
- Hold EARL utility diversion design services kick-off meeting with Jacobs Engineering.
- Commence detailing of next 16 week look-ahead, cost and resources.
- Commence detailed reworking of tie Limited Stakeholder Constrained Programme (Revision 6) in conjunction with tie Limited project control team prior to recommending P3e Planning. Delay, disruption and key dependencies on INFRACO are all now key considerations in the re-planning exercise which should be led by tie Limited given the integrated nature of the planning task ahead.

### **Areas of Concern & Key Highlights**

- Availability of SDS Provider and SUC approved utility diversion designs at Issued for Construction (IFC) status complete with Bill of Material (BOM's), Conflict Registers and site specific HAZID Logs. Current Revision 05 and planned drawing requirements is circa 300 behind schedule for work ordering, namely :

#### **Section 1A – 64 No. IFC Drawings due 16<sup>th</sup> April 2007 (Rev 05)**

- IAWSI005/002- 6 Drawings
- IAWSI003/001- 4 Drawings
- IAWSI003/002- 16 Drawings
- IAWSI004/001- 6 Drawings
- IAWSI004/002- 2 Drawings
- IAWSI005/001- 8 Drawings
- IAWSI006/001- 5 Drawings
- IAWSI006/002- 4 Drawings
- IAWSI007/001- 7 Drawings
- IAWSI007/002- 4 Drawings
- IAWSI007/003- 2 Drawings (64 No. Drawings).

#### **Section 1B – 84 No. IFC Drawings due 18<sup>th</sup> May 2007 (Rev 05)**

- 1BWSI001/001 - 5 Drawings

## MULTI-UTILITY DIVERSION FRAMEWORK AGREEMENT (MUDFA)

- 1BWSI001/002 - 18 Drawings
- 1BWSI001/003 - 8 Drawings
- 1BWSI001/004 - 6 Drawings
- 1BWSI002/001 - 6 Drawings
- 1BWSI002/002 - 8 Drawings
- 1BWSI003/001 - 8 Drawings
- 1BWSI003/002 - 8 Drawings
- 1BWSI003/003 - 6 Drawings
- 1BWSI003/004 - 9 Drawings
- 1BWSI003/005 - 2 Drawings (84 No. Drawings).

### **Section 1C – 12 No. IFC Drawings due 25<sup>th</sup> May 2007 (Rev 05)**

- 1CWSI007/001 - 4 Drawings
- 1CWSI008/001 - 8 Drawings (12 No. Drawings).

### **Section 2 – 19 No. IFC Drawings due 6<sup>th</sup> July 2007 (Rev 05)**

- 2WSI001/001 - 12 Drawings
- 2WSI001/002 - 4 Drawings
- 2WSI001/003 - 3 Drawings (19 No. Drawings).

SDS Provider drawings currently not overdue (Early Warning).

### **Section 3B – 46 No. IFC Drawings due 23<sup>rd</sup> March 2007 (Rev 05)**

- 3BWSI001/001 - 18 Drawings
- 3BWSI002/001 - 9 Drawings
- 3BWSI002/002 - 4 Drawings
- 3BWSI002/003 - 15 Drawings (46 No. Drawings).

AMIS MUDFA accepts line 2 has been deferred until mid-August 2008.

### **Section 3C – 32 No. IFC Drawings due 22<sup>nd</sup> June 2007 (Rev 05)**

- 3CWSI001/001 - 12 Drawings
- 3CWSI002/001 - 0 Drawings
- 3CWSI002/002 - 10 Drawings
- 3CWSI002/003 - 10 Drawings (32 No. Drawings).

AMIS MUDFA accepts line 2 has been deferred until mid-August 2008.

### **Section 5A – 5 No. IFC Drawings due 22<sup>nd</sup> June 2007 (Rev 05)**

- 5AWSI008/002 - 3 Drawings
- 5AWSI009/001 - 1 Drawings
- 5AWSI009/002 - 1 Drawings (5 No. Drawings).



## MULTI-UTILITY DIVERSION FRAMEWORK AGREEMENT (MUDFA)

### Section 5B – 24 No. IFC Drawings due 29<sup>th</sup> June 2007 (Rev 05)

- 5BWSI006/002 - 5 Drawings
- 5BWSI007/001 - 15 Drawings
- 5BWSI007/002 - 3 Drawings
- 5BWSI008/001 - 1 Drawings (24 No. Drawings).

### Section 6 – 12 No. IFC Drawings due 23<sup>rd</sup> April 2007 (Rev 05)

- 6WSI001/001/WP1 - 11 Drawings
- 6WSI001/001/WP2 - 1 Drawings (12 No. Drawings).

## 4. Operations Management

### 4.1 Construction Services

#### *Main Achievements Within the Reporting Period*

- Section 1A – Sewer system layout established 100%, CCTV surveys 90% complete, Manhole surveys 95% complete, Manhole co-ordinates 95% complete and Manhole cover levels 95% complete.
- Section 1A (2) – Sewer system layout established 100%, CCTV surveys 60% complete (Jetting required), Manhole surveys 95% complete, Manhole co-ordinates 95% complete and Manhole cover levels 100% complete.
- Section 1B – Sewer system layout established 100%, CCTV surveys 80% complete (Nightshift required), Manhole surveys 80% complete, Manhole co-ordinates 50% complete and Manhole cover levels 0% complete (Delayed start).
- Section 5A – Sewer system layout established 100%, CCTV surveys 100% complete, Manhole surveys 90% complete (2 No. manholes in Network Rail land), Manhole co-ordinates 0% complete and Manhole cover levels 0% complete.
- Section 5B – Sewer system layout established 100%, CCTV surveys 100% complete, Manhole surveys 95% complete (3 No. manholes buried), Manhole co-ordinates 0% complete and Manhole cover levels 0% complete.
- Section 6 – Sewer system layout established 100%, CCTV surveys 65% complete (Nightshift required), Manhole surveys 65% complete, Manhole co-ordinates 0% complete and Manhole cover levels 0% complete.
- Gas riser surveys continue with 43 No. completed in reporting period (21 No previously).
- Water service connection surveys 100% complete within the reporting period.

## **MULTI-UTILITY DIVERSION FRAMEWORK AGREEMENT (MUDFA)**

- AMIS MUDFA carrying out interviews with subcontractors to complement loss of resources from the AMIS business (i.e. Turriff, MASK, MUS, DCT, RWL, CTC, Blyth Construction, Mainline Scotland, Celimisa, Nothern Tunnelling and DCT). Delayed programme has not assisted the planned transfer of resources.

### ***Activities Planned for Next Reporting Period***

- Substantially complete the Manhole CCTV surveys programme to be generated addressing Sections 5A, 5B and 6.
- Complete any outstanding gas and water thumbnail sketches to support SDS Provider and tie Limited to secure SUC approvals. Additional drawings requested from SDS Provider for various sections.
- Consider holding technical review sessions with the SUC specialists.
- Prepare to commence Section 1A / North construction works at Ocean Drive adjacent to the Casino and Tower Street.
- Refer to Gogar Depot and EARL reports for other planned activities.

### ***Areas of Concern & Key Highlights***

- Construction Services according to Revision 05 of the programme has been delayed due to SDS Provider, government elections and resulting action plans by Audit Scotland.
- RAT 1A/1 Revision 2 cancelled leading to delayed and limited construction works by AMIS MUDFA.

## **4.2 Traffic Management**

### ***Main Achievements Within the Reporting Period***

- Traffic Management plans successfully implemented on Gogar Depot A8 carriageway. Access to Craig Park Quarry (CRQ) improved within the reporting period.
- Traffic Management (Draft) plans for Section 1B (Leith Walk) submitted to the Traffic Management Review Panel.
- Ocean Terminal works now cancelled and all stakeholders are to be consulted in relation to follow on construction works at Ocean Drive.

### ***Activities Planned for Next Reporting Period***

- Review Traffic Management Plans for Section 1B with traffic panel and CEC specialists and secure approvals.
- Commence Traffic Management Plans for Section 1C, 1D and 5.



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## **MULTI-UTILITY DIVERSION FRAMEWORK AGREEMENT (MUDFA)**

- Mobilise dedicated AMIS Traffic Management team at Leith offices (Delayed).
- Consider MUDFA and INFRACO inter-dependencies in future traffic management plans.

### **Areas of Concern & Key Highlights**

- Encourage more traffic plan discussions in advance of formal submissions.

## **4.3 Materials, Supply Chain Management & Site Services**

### **Main Achievements Within the Reporting Period**

- Power cables change order and purchasing proposal submitted to tie Limited for final review and approval (£270,925.00). Decision still needed from tie Limited and price now subject to change.
- Several utility material supplier and storage meetings held in reporting period.
- First generation Bill of Materials (BOM's) produced in advance of SDS Provider information to assist and support AMIS MUDFA programme.

### **Activities Planned for Next Reporting Period**

- Compare SDS Provider Bill of Materials (BOM's) for first IFC drawings against AMIS MUDFA advanced estimates to assess any commercial discrepancies.
- Finalise material storage, logistics, Leith compound and laydown areas for review and agreement with tie Limited.
- Commit purchase order for power cables to secure cost offer and availability.

### **Areas of Concern & Key Highlights**

- No early visibility of Bill of Materials (BOM's) with materials being purchased with an element of risk.

## **5. Communications and Stakeholders**

### **Main Achievements Within the Reporting Period**

- Attendance at tie Limited, several stakeholder and local council meetings.
- Communications established with SUC Call Centres and meetings held with SUC Communications Team Leaders for Scotia Gas Networks (Margaret Hunter and Maureen McIntosh) and Scottish Water (Janice Woolard).
- Communication meetings held with tie Limited team (Gill Arnott, Steve Gore and Alf Orriell).
- AMIS MUDFA communication team effort and letter drops postponed until after Edinburgh Tram decision by new administration on 26<sup>th</sup> June 2007.

## MULTI-UTILITY DIVERSION FRAMEWORK AGREEMENT (MUDFA)

- Presentation to Ocean Terminal retailers held in June 2007.
- Media interest shown in relation to the works at Gogar Depot. AMIS MUDFA Tram Helper (Tom Reid) has visited the General Managers of SCA Packaging and South Gyle Shopping complex to explain ongoing works at Gogar Depot.

### **Activities Planned for Next Reporting Period**

- Attendance at Ocean Terminal residents committee meeting tentatively scheduled for late-June 2007 via appointed Factor.
- Commence letter drops and face-to-face communications in the vicinity of Ocean Drive commencing Monday 2<sup>nd</sup> July 2007.

### **Areas of Concern & Key Highlights**

- Sensitivity of government decision on Edinburgh Tram has seriously constrained public facing communications for Section 1A.

## **6. Construction Planning and Project Controls**

### **Main Achievements Within the Reporting Period**

- **tie** Limited & Stakeholder Constrained Programme Revision 05 considered by AMIS MUDFA to be out of alignment with SDS Provider utility design deliverables (See Section 3) following a further detailed review within the reporting period.
- 16 Week look-ahead generated for scope of RAT 1A/1 Revision 2 (i.e. Forth Ports Plc constraints and embargo now influencing work sequence and durations) now withdrawn following confirmation by SDS Provider (i.e. Track alignment and revised scheme in front of Ocean Terminal).
- AMIS MUDFA currently developing construction work plans for Section 1A / North covering Ocean Drive for commencement on 9<sup>th</sup> July 2007. The plans are being developed on non-IFC issue drawings and therefore the cost basis will be included within the work order dossier at Cost + 15%.

### **Activities Planned for Next Reporting Period**

- P3e programme development will recommence once clear Revision 06 MUDFA planning strategy is agreed with **tie** Limited. Propose **tie** Limited lead the planning exercise since the planning and controls team are best placed to ascertain SDS Provider progress status and information for both MUDFA and INFRACO.
- Complete and finalise Ocean Drive detailed planning and cost estimates (Cost+15% Basis).

## MULTI-UTILITY DIVERSION FRAMEWORK AGREEMENT (MUDFA)

- Complete detailed technical audit of SDS Provider utility design progress \*.
- Recommence operations interactive planning sessions.
- Seek clarification and visibility of Schedule 13 programme requirements.

### **Areas of Concern & Key Highlights**

- Availability of accurate utility design technical definition and associated details to support detailed planning and cost estimating.

## **7. Contract and Commercial Management**

### **Main Achievements Within the Reporting Period**

- **tie** Limited and AMIS MUDFA discussions held regarding commercial agreement on Wednesday 23<sup>rd</sup> May and Friday 15<sup>th</sup> June 2007.
- AMIS MUDFA cost profile and projections for April, May & June 2007 to be revisited due to delayed response and review of future requirements to be jointly discussed to cover period to sustainable construction services at programme Revision 06.
- MUDFA change control issues cleared and resolved in reporting period (See Appendix 2).
- AMIS MUDFA payment applications for £2,693,346.25 submitted and value certified totals £2,456,411.40. Variance of £236,934.85 under detailed review and joint appraisal by **tie** Limited and AMIS MUDFA (Refer to commercial meetings).

### **Activities Planned for Next Reporting Period**

- Resolution of contractual agreement in relation to Schedule 4 (i.e. Bill of Quantities).
- Resolution of contractual agreement in relation to Demarcation Schedule (Reference Mr. Graham Gould document preparation).
- Resolution and application of staff rates (Including Star Rates) and preliminary entitlement to be reviewed in conjunction with programme status and design interface.
- Formulation of commercial agreement following consensus achieved on Friday 15<sup>th</sup> June 2007.
- Joint **tie** Limited and AMIS MUDFA review of draft incentivisation based on several "What-If" scenarios.
- Carry out full and detailed review of all outstanding correspondence actions.



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## **MULTI-UTILITY DIVERSION FRAMEWORK AGREEMENT (MUDFA)**

- Agree final account and approval of AMIS MUDFA Pre-Construction Services and the Casino Square Trial Site.
- Ocean Drive construction works to be carried out on a Cost + 15% basis due to the lack of SDS Provider design details (i.e. Trail Site repeat).

### **Areas of Concern & Key Highlights**

- Advanced procurement of materials (AMIS MUDFA considers high risk due to lack of technical definition and design details, and no Bill of Materials produced by SDS Provider).
- Schedule 13 Requirements still outstanding.
- Risk workshop to be convened as per tie Limited request (Mr. John Casserly).

### **8. Future Business Opportunities & Developments**

- EARL (Tram/Train) Multi-Utility diversion works at Edinburgh Airport (Central Area) : Approximately £10M. Formal authorisation received from tie Limited.
- Gogar Depot Phases 2 to 5 : Approximately £5 to 15M.
- Ingliston temporary car park (Option 3 Revisited) : Declined to Bid.
- St. David Street (North, Central & South) Two-way traffic : Approximately £1M.
- Main Route City Fibre Optics & WiFi Enabling for Edinburgh (£M TBC).

### **Appendices :**

1. Construction Services : 16 Week Look-Ahead (1 Page).
2. AMIS MUDFA Change Control Register (2 Pages).



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## **MULTI-UTILITY DIVERSION FRAMEWORK AGREEMENT (MUDFA)**

**Appendix 1** : Construction Services : Section 1A / North Ocean Drive  
Construction Works (Currently being Developed).

Notice of Change										Estimate Submission Procedure				Valuation of Change			Change Order (10)					
Change Reference	Sub Reference	Generic Description	WDS Code	Date notified by the OR	Date raised by AMIS	Date of further Letters	Letter Ref.	Work Sector	Work Section	Brief Description	Date Estimate Required (Clause 46.3)	Date Estimate Provided (Clause 46.4)	£ Estimate	Estimate referred to DRP? Y/N	Estimate Agreed?	£ AMIS Valuation (to date)	£ tie Valuation	£ Valuation Agreed	Date issued by tie OR	Notice of Change withdrawn	Further Action(s) Required	Action by?
		Water		21/11/2006	24/10/2006	13/12/2006 24/01/2007 09/03/2007 26/03/2007 11/05/2007	40.00 MUDFA/AH/WAS/FH 40.00 CLT 002673 AMIS letter 074 FPI: MUDFA 168 DEL MUDFA 250 AH GB AMIS letter 203			CCTV Sewers - Line 1						38,462.88					The purpose of Scottish Water's Framework Contract is to carry out work	
	1.1	Water		01/03/2007		26/03/2007 28/03/2007	DEL MUDFA 160 SC AMIS letter 130 DEL MUDFA 250 AH GB			CCTV Sewers - Line 1 - Section 3B	N/A	27/03/2007	14,946.72						01/03/2007		Programme requires. Estimate includes item 1.2 below.	AMIS
	1.2	Water		01/03/2007		26/03/2007 28/03/2007	DEL MUDFA 160 SC AMIS letter 130 DEL MUDFA 250 AH GB			CCTV Sewers - Line 1 - Section 1'A	N/A	27/03/2007	incl						01/03/2007		Programme requires. Estimate included in item 1.1 above.	AMIS
	1.3	Water		13/03/2007		28/03/2007 05/04/2007 12/04/2007	DEL MUDFA 163 SC DEL MUDFA 250 AH GB AMIS letter 159 AMIS letter 168			CCTV Sewers - Line 1 - Section 5B	N/A								13/03/2007		Programme requires.	AMIS
	1.4	Water		13/03/2007		28/03/2007 05/04/2007 12/04/2007	DEL MUDFA 163 SC DEL MUDFA 250 AH GB AMIS letter 159 AMIS letter 168			CCTV Sewers - Line 1 - Section 5A	N/A								13/03/2007		Programme requires.	AMIS
	1.5	Water		13/03/2007		28/03/2007 05/04/2007 12/04/2007	DEL MUDFA 163 SC DEL MUDFA 250 AH GB AMIS letter 159 AMIS letter 168			CCTV Sewers - Line 1 - Section 7A	N/A								13/03/2007		Programme requires.	AMIS
	1.6	Water		19/03/2007		19/03/2007 26/03/2007 05/04/2007 12/04/2007	DEL MUDFA 207 DEL MUDFA 250 AH GB AMIS letter 159 AMIS letter 168			CCTV Sewers - Section 1A(2)	N/A								19/03/2007		Programme requires.	AMIS
	1.7	Water		19/03/2007		19/03/2007 26/03/2007 05/04/2007 12/04/2007	DEL MUDFA 207 DEL MUDFA 250 AH GB AMIS letter 159 AMIS letter 168			CCTV Sewers - Section 2A	N/A								19/03/2007		Programme requires.	AMIS
	1.8	Water		19/03/2007		19/03/2007 26/03/2007 05/04/2007 12/04/2007	DEL MUDFA 207 DEL MUDFA 250 AH GB AMIS letter 159 AMIS letter 168			CCTV Sewers - Section 5C	N/A								19/03/2007		Programme requires.	AMIS
	1.9	Water		02/04/2007		02/04/2007 05/04/2007 12/04/2007	DEL MUDFA 272 AH GB AMIS letter 159 AMIS letter 168			CCTV Sewers - Section 1D	N/A		£76,836						02/04/2007		Programme requires.	AMIS
	1.10	Water		01/05/2007		05/04/2007	DEL MUDFA 312 A.H.GB			CCTV Sewers - Section 1B Part 1 of 2	N/A								05/04/2007		Programme requires. Estimate not required (same rate 1.1 to 1.9)	AMIS
	1.11	Water		01/05/2007		01/05/2007	DEL MUDFA 451 AH.GB			CCTV Sewers - Section 1B Part 2 of 2	N/A								01/05/2007		Programme requires. Estimate not required (same rate 1.1 to 1.9)	AMIS
	1.12	Water		17/05/2007		17/05/2007	DEL MUDFA 689 AH.GB			CCTV Sewers - Section 1C	N/A								17/05/2007		Programme requires. Estimate not required (same rate 1.1 to 1.9)	AMIS
	1.13	Water		28/05/2007		28/05/2007	DEL MUDFA 750 AH.GB			CCTV Sewers - Section 3A	N/A								28/05/2007		Programme requires. Estimate not required (same rate 1.1 to 1.9)	AMIS
		Water		12/01/2007		13/02/2007	40.00 CLT 003079 AMIS letter 089			Survey of Sewer Manholes at Gogar Depot	28/01/2007		3,131.68			3,131.68					AMIS to provide details of costs	AMIS
		Water		18/02/2007		20/03/2007 28/03/2007	40.00 CLT 003170 AS/ITE AMIS letter 099 AMIS letter 125 DEL MUDFA 256 AH GB			Survey of Gas Steel Service Pipes		22/03/2007	12,251.50		Y	735.09			28/03/2007		AMIS proceeding on basis of Estimate	N/A
CLOSED		PC Services		31/10/2006		12/12/2006 19/12/2006	N/A AMIS letter 009 40.00 CLT 002657/AS/US AMIS letter 051	PCS	N/A	PC Services - Martin Meehan (Susan Clark)			9,483.29			9,483.29	9,483.29	N/A		Agreed S.Clark/A.Malkin 29 days @ £327.01	N/A	
	5.1	Prelims		14/02/2007			DEL MUDFA 047 SC			Provide 5 no site vehicles for the exclusive use of tie's staff	16/03/2007	30/03/2007	WEEKLY RATES			9,394.76					AMIS to resubmit estimate detailing changes to tender rates	AMIS
	5.2	Prelims		01/03/2007		20/03/2007 18/04/2007 03/05/2007	DEL MUDFA 151 SC AMIS letter 137 DEL MUDFA 376 TC.GB AMIS letter 184			Provide 4 No. Additional telephone handsets for tie site offices			0.00			0.00	0.00	N/A		To be valued with Change No. 32 below.	N/A	
CLOSED	7.1	Ingliston Depot		28/11/2006		12/12/2006 06/02/2007 05/03/2007 11/04/2007 30/04/2007 24/05/2007	AMIS letter 054 AMIS letter 050 AMIS letter 116 DEL MUDFA 341 TC.GB AMIS letter 172 AMIS letter 218			Proposed temporary extension to Ingliston Park and Ride		12/12/2006	491,500.00 299,998.50								AMIS declines to bid	N/A
CLOSED	7.2	Ingliston Depot		31/01/2007		05/02/2007	AMIS letter 077 AMIS letter 081	N/A	N/A	Trial investigations at car park. Limit of authority to spend = £6,000			7,129.00								Invoice paid by tie.	N/A
		Enabling		08/11/2006		14/12/2006 16/01/2007	AMIS letter 001 40.00 CLT 003115/AS/ITE			SDS Trial Holes - Under Review. AMIS rates submitted to SDS. AMIS awaiting CN before estimate can be raised										Find AMIS' submission. Tie / SDS to confirm if this works will be required.	tie	
		Prelims		14/11/2006		12/04/2007	AMIS letter 166			PC Services - Requirement of Management Input to Design Detail and Definition (RATS process).										Response to AMIS letter required	tie	
CLOSED		Prelims		14/11/2006		24/01/2007 05/02/2007 27/02/2007	e mail T.Edgar to A.Malkin AMIS letter 079 DEL MUDFA 125 SC			Tie office requirements - vehicles & IT (Dedicated printer & scanner)						0.00	0.00			Agreed No Financial Effect (03/04/2007)	N/A	
	11	Prelims		14/11/2006						Construction Services Programme Rev 001 (in losing) Stakeholder requirements											Substantiation of principle required.	AMIS
	12	Enabling		28/11/2006						MUDFA trial holes - proposals						0.00	0.00				Included in items above	AMIS
CLOSED	13	Prelims		28/11/2006						Electronic copies of Non PCS Deliverables						0.00	0.00				Agreed No Financial Effect (03/04/2007)	N/A
CLOSED	14	Prelims		05/12/2006						Traffic Management - Specialist Support						0.00	0.00				Agreed no longer required.	N/A
CLOSED	15	Prelims		05/12/2006						EARL Design & Construct Proposal						15,319.04					Tie Change Order required	N/A
	16	Procurement		07/12/2006		07/03/2007	AMIS letter 123			Increased initial stock holding to offset preliminary design risk and safeguard production (LJ)										Agreed No Financial Effect (03/04/2007)	N/A	
	17	Ingliston		08/01/2007						Ingliston Park and Ride - Emergency Works - Roof Replacement			4,487.48			4,487.48	0.00	0.00			Price agreed as original Estimate (L.Murphy). Tie involved separately i.e. not through MUDFA contract.	AMIS
	18	Gas		25/01/2007						Replacement of steel gas pipes required following surveys carried out under Change No. 3 above.										Early Warning only. AMIS will submit estimate upon receipt of full survey report detailed in CO3	N/A	



Notice of Change										Estimate Submission Procedure				Valuation of Change			Change Order (tie)						
Change Reference	Risk Reference	Generic Description	WBS Code	Date notified by the OR	Date raised by AMIS	Date of further Letters	Letter Ref	Asset Sector	Asset Section	Brief Description	Date Estimate Required (Clause 46.3)	Date Estimate Provided (Clause 46.4)	Estimate	Estimate referred to DRP? Y/N	Estimate Agreed?	Estimate Valuation (to date)	Estimate Valuation	Estimate Valuation Agreed	Date Issued by the OR	Notice of Change withdrawn	Further Action(s) Required	Action by?	
19		Prelims			25/01/2007					Additional to Pre-construction Services; Substition and support	N/A	N/A				259.86					AMIS to forward details of instruction received by the	AMIS	
20		Prelims				03/04/2007 09/04/2007 03/05/2007	AMIS letter 150 DEL MJ DFA 318 MH.GB AMIS letter 190			SO's Design Drawings Reproduction						1,581.24					Establish principle of change. There is no obligation under the contract for the provider to provide this. The contractor is to be paid for the E&P paid for the consumable under PCS. AMIS response that PCS was agreed on all non CC items.	tie	
21	EW	Trial Site	IAWSE 003		07/02/2007					Expenditure against provisional sum 29 for removal of contaminated material encountered at Casino Sq trial site											Early Warning only Check TIE Provisional Sum	tie	
22		Prelims			07/02/2007					Team building event						1,980.25					to agree AMIS revised value	AMIS	
23	CLOSED	Prelims			05/02/2007					Report period to be every 6 weeks rather than monthly, i.e. 13 per annum						0.00	0.00				Refer to Schedule 1 clause 3.6 of MUJFA Agreement. Anticipates 4 weekly reporting. Agreed No Financial Effect (03/04/2007)	N/A	
24	EW	St Andrews Sq			05/02/2006					St Andrews Square, additional non MUJFA works											Early Warning only, AMIS to submit estimate if required	N/A	
25		P.C. Sums		19/02/2007		12/04/2007 20/04/2007 30/04/2007 03/05/2007 03/05/2007	DEL MJ DFA 064 SC AMIS letter 165 DEL MJ DFA 391 MH.GB AMIS letter 178 DEL MJ DFA 515 MH.GB DEL MJ DFA 541 MH.GB	N/A	N/A	Transfer of responsibility for Scottish Power works to AMIS	05/03/2007											Change Order to be issued	tie
26		BT Works		19/02/2007		29/03/2007 02/04/2007 11/04/2007 01/05/2007 15/05/2007	DEL MJ DFA 065 SC AMIS letter 136 DEL MJ DFA 268 MH.SC AMIS letter 164 DEL MJ DFA 455 TC.GB AMIS letter 206			Provision of resources to support BT Openreach survey works	05/03/2007	29/03/2007	DAY RATE			10,032.89						Valuation on completion	tie/AMIS
27		Programme		11/02/2007						Programme Revision 03 (Stakeholder imposed programme)											Substantiation of principle required (with GR011)	AMIS	
28	GOGAR REGISTER	28.1	Gogar Depot			19/02/2007	AMIS letter 103 DEL MJ DFA 306			Advance works - mass excavation de-vegetation/wheelwash etc									05/04/2007		Change Order issued - See separate register for additional detail		
28	GOGAR REGISTER	28.2	Gogar Depot			21/03/2007 22/03/2007 25/04/2007	AMIS letter AM/GOGAR/001 AMIS letter AM/GOGAR/002 AMIS letter AM/GOGAR/003 DEL MJ DFA 414 AH.GB				21/03/2007	3,132,479.26 3,079,487.39		Y		1,028,806.92			29/05/2007		Change Order issued - See separate register for additional detail		
29		Water				20/03/2007	AMIS letter 126 DEL MJ DFA 240 DEL MJ DFA			Water services survey for earthing of properties - full length of router lines 1 and 2	21/03/2007		386,850.00						25/04/2007		Change Order issued - Valued on completion		
30	CLOSED	Inglislon Depot				06/03/2007 22/03/2007 30/03/2007	AMIS letter 118 AMIS letter 127 AMIS letter 143			Advance Works only (footpath, manholes and road signs).	22/03/2007		40,634.21								AMIS declines to bid		
31	31.1	Trial Site				29/03/2007	AMIS letter 135 DEL MJ DFA 269 MH.SC AMIS letter 171 DEL MJ DFA 416 AH.GB	IA		Archaeological watching brief during excavation works.			DAEY RATE									Issues to be discussed	tie/AMIS
31	GOGAR REGISTER	31.2	Gogar Depot			25/04/2007	DEL MJ DFA 417 AH.GB			Archaeological watching brief during excavation works.						3,808.00					Issues to be discussed - see separate register for additional detail	tie/AMIS	
32	CLOSED	Preliminaries			29/03/2007	29/03/2007 02/04/2007 13/04/2007	DEL MJ DFA 248 GB AMIS letter 139 DEL MJ DFA 270 MH.SC AMIS letter 173		N/A	Additional accommodation and facilities required for the personnel	11/04/2007	29/03/2007	10,724.53										N/A
33	GOGAR REGISTER	33	Environmental			29/03/2007 11/04/2007	AMIS letter 138 DEL MJ DFA 242 TC.GB		N/A	Build new badger set. Destroy existing set in Gogar area.	29/03/2007	29/03/2007	2,891.00									No longer AMIS works	AMIS
34		Manholes			18/04/2007	10/05/2007 29/05/2007	DEL MJ DFA 373 AH.GB AMIS letter 199 DEL MJ DFA 787 AH.GB			Unknown Manhole Surveys			29,471.53			2,891.00			29/05/2007		Change Order issued	AMIS	
35		Signage			25/05/2007		Discussed in CC meeting 14/06/07			Tram signage (logo's) on barriers fencing			2,087.12			2,087.12						tie Change Order required	tie
36		Advertising			25/05/2007		Discussed in CC meeting 14/06/07			Tram logo's on protective clothing			461.93			461.93						tie Change Order required	tie
37		Trial Area			25/05/2007		Discussed in CC meeting 14/06/07			Reinstatement trial area			4,594.06			4,594.06						tie Change Order required	tie
38		Construction Services			30/05/2007		Discussed in CC meeting 14/06/07			Standing lime to vehicles provided for work sites (No continuity after trial site)			693.45			693.45						tie Change Order required	tie
39		Prelims			04/06/2007		Discussed in CC meeting 14/06/07			Hygiene Training (11/04/07 & 01/05/07)			301.99									tie Change Order required	tie
40		Prelims			13/06/2007		Discussed in CC meeting 14/06/07			Wrong fuel put into the vehicle PY07 AHA												tie Change Order required	tie
41		Prelims			15/06/2007		Awaiting the letter			Comms Room Security & Air-Conditioning												tie Change Order required	tie
													604,456.53			1,164,158.95			9,483.29				