



Infrastructure Services

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Ref: AMIS/tie/letter/AM/Projects/129

23rd March 2007

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

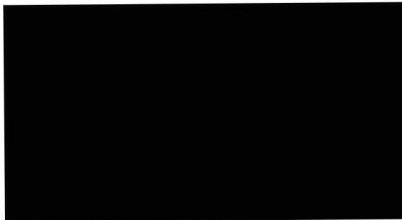
Dear Graeme,

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

I refer to the above referenced contract requirement and have pleasure in presenting the AMIS MUDFA Project Progress Report covering the March 2007 reporting period for your review and information in advance of our meeting on Thursday 29th March 2007 at 10.00 hrs, MUDFA Offices.

If you should have any queries then please do not hesitate to contact me.

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



Andrew Malkin
MUDFA AMIS Project Director

Copies:-
tie Project Team
See Report Distribution

MUDFA Project Team
See Report Distribution
AMIS MUDFA Board

Attachment /... **AMIS MUDFA Monthly Progress Report – March 2007**



Alfred McAlpine Infrastructure Services Limited. Registered in England No. 00728599
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**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/006
DOCUMENT TITLE :
PROJECT MONTHLY REPORT
MARCH 2007

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Andrew Malkin	23.03.07		23.03.07		23.03.07		
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MUDFA AMIS PROJECT TEAM						Tie / Client	



Infrastructure Services



MULTI-UTILITY DIVERSION FRAMEWORK AGREEMENT (MUDFA)

Project Monthly Report – March 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. Pre-Construction Services : Schedule 1 Contract Deliverables
9. Contract Correspondence

Appendices :

1. Pre-Construction Services : Overall Progress "S" Curve (2 Pages)
2. AMIS MUDFA Risk Register and Mitigation Action Plan (2 Pages)
3. AMIS MUDFA Change Control Register (1 Page)

Distribution :

Tie Limited Project Management

Matthew Crosse, Susan Clark (Chair), Graeme Barclay, Allan Hill, John Low, Jim Johnson, Martin Hutchinson, John McAloon & Tom Condie

AMIS Project Management

Andrew Malkin, Keith Gourlay, Graeme Strachan, Gil Clelland, Gerry Bannon, Stephen Clemenson, Stephen Crosbie, Mark Riley, Ian Shanks, Roddy Aves, Bill Jarvie, Bill Murray, Taryne Low, Mandy Nelson, AMIS Board (via Alan Robertson) & AMIS MUDFA Contract File (25 Copies in Total)



Infrastructure Services



MULTI-UTILITY DIVERSION FRAMEWORK AGREEMENT (MUDFA)

1. Executive Summary

Alfred McAlpine Infrastructure Services (AMIS) has concentrated on the completion and close out of Pre-Construction Services (PCS) and within the reporting period has completed and delivered the planned Schedule 1 Document Deliverables (Reference AMIS/tie/letter/AM/ Projects 117 dated 7th March 2007). The current focus is on the Trial Site at Casino Square scheduled to commence on Monday 2nd April 2007, and changing of the existing contract framework to serve both parties in the successful delivery of utility diversions.

In the March 2007 reporting period AMIS MUDFA has earned and achieved accumulative "Actual" progress of 96.3% against a "Planned" requirement of 97.7% (Refer to Appendix 1; Sheet 2 / 2). The reported deviation of 1.4% at the monthly cut-off point of 23rd March 2007 relates to the "Final Buildability Report", and this particular PCS Deliverable is the subject of previous correspondence including AMIS/tie/letter/AM/ Projects 117 dated 7th March 2007.

Consistently with the first, second, third, fourth and fifth AMIS MUDFA monthly project reports the main concerns still remain in relation to the current status of the detailed utility design outputs, programme baseline and SUC technical interfaces and may be summarised as follows :

- Lateness, content and accuracy of Utility Detailed Design Outputs (AFI/AFC) and SUC / tie Limited approvals. **AGREED SOLUTION** : AMIS MUDFA Thumbnail Utility Design Sketches (i.e. TUDS) for detailed design support to the SDS Provider and subsequent RAT's Process Reviews.
- tie Limited and Stakeholder Imposed Programme (Revision 03). Lateness of SDS Provider detailed design drawings (Versions 9 through 12), commercial implications and re-planning of sustainable construction services. **AGREED SOLUTION** : AMIS MUDFA generating new tie Limited and Stakeholder Imposed Programme (Revision 04) for stakeholder review.
- Value Engineering Workshop and AMIS MUDFA elimination of incentives. **AGREED SOLUTION** : AMIS MUDFA to materialise benefits as part of the RAT's Process Reviews and delivery of costs savings.



Infrastructure Services



MULTI-UTILITY DIVERSION FRAMEWORK AGREEMENT (MUDFA)

- Work Ordering; Lateness of issue and technical compliance. **AGREED SOLUTION** : AMIS MUDFA to absorb role of Work Order preparation and coordination and issuing of Work Orders to **tie** Limited for commercial validation, technical audit and approval to proceed.

The AMIS MUDFA team remains committed to performing the trial site works at Casino Square on Monday 2nd April 2007 (Time Remaining : 9 Calendar Days and 5 Working Days). AMIS MUDFA understands at time of writing that all necessary consents and approvals have now been obtained, although the SDS Provider IFC / AFC drawing requires slight amendment and **tie** Limited approval as part of the work order approval.

2. Health and Safety, CDM, Quality and Environmental

In the reporting period **tie** Limited, Scot Wilson Scotland (SWS) and AMIS MUDFA QUENSH specialists continue to hold regular health and safety, environmental and quality meetings with specific focus on reviewing the construction related quality control procedures and PCS Deliverables. AMIS MUDFA continues to secure copies of the SDS Provider HAZID LOG with limited success, and this particular subject is becoming increasingly urgent in order to assist with the development of future risk assessments and method statements. In the reporting period and to date there have been no reportable incidents and AMIS MUDFA continues to collate expended hours for the purposes of Accident Frequency Rate (AFR) reporting. At the monthly cut-off point AMIS MUDFA has expended a total of 12,344 Staff-Hours (Total includes site subcontractors and AMIS support services).

3. SDS Design Interface and Buildability Analysis

3.1 Overview

Tie Limited, SDS and AMIS MUDFA Utility Design and Technical liaison specialists continue to hold bi-weekly Design and Technical Liaison meetings in order to provide technical support and assistance in relation to C4 / SUC Utility Detailed Design Drawing approvals. AMIS MUDFA concerns still remain in relation to the lack of technical definition and detail by the SDS Provider to support material take-off and construction planning, and are scheduled to commence the drafting of "Thumbnail Utility Design Sketches" (TUDS) as an integral part of the "Front-End Detailed Design



MULTI-UTILITY DIVERSION FRAMEWORK AGREEMENT (MUDFA)

Process" to actively assist **tie** Limited overcome the issues surrounding the "Exemplar Drawings", independent review and recommendations, and to help gain early SUC approvals.

As per AMIS MUDFA contract correspondence and previous monthly reports a project team "Step-Change" is still urgently required in relation to detailed utility designs, design and RAT's process ownership, early SUC approvals, acceleration of design outputs and left-shift programme initiatives. AMIS MUDFA anticipates these requirements will be materialised following recent changes in the **tie** Limited project organisation and a series of team building exercises is recommended in terms of setting common objectives and securing genuine integrated team working.

3.2 Design Issues and Resolution

As reported previously AMIS MUDFA are required under the existing contract framework and agreement to highlight any concerns (References; AMIS/tie/letter/AM/Projects/007, 009, 013, 025, 027, 031, 032, 034, 035, 039, 055, 065, 082, 083, 086, 095 & 102) relating to technical objectives, project cost and timescale, and have formally communicated on a regular basis in order to seek further clarification and assistance. AMIS MUDFA to date has not received satisfactory feedback or responses to any of the key issues since the "Spring Cleaning" meeting in February 2007 and proposes further meetings are held to deal with the above referenced issues.

4. Operations Management

4.1 Overview

The AMIS MUDFA Operations team continue to review the SDS preliminary and updated utility design drawings as part of the construction pre-planning exercise and have commenced preparing "Thumbnail Utility Diversion Sketches" (TUDS) to assist the SDS Provider and **tie** Limited gain SUC approvals. In the reporting period the AMIS MUDFA Operations team have concentrated on the trial site and specific needs of the early construction works as per the **tie** Limited & Stakeholder Imposed Programme (Rev 03) and RAT's process reviews (i.e. Section 1A North – Ocean Terminal).

The current construction programme is no longer supported by the SDS Provider IFC/AFC Utility design drawing schedule (Versions 11 through 12) and AMIS MUDFA



Infrastructure Services



MULTI-UTILITY DIVERSION FRAMEWORK AGREEMENT (MUDFA)

continues to seek work around solutions on Sections 5A, 5B, 5C and alternate construction works at Ingliston Park / Ride and early works at Gogarburn Depot.

In February 2007 the AMIS MUDFA road specialists completed a draft "Roads Re-Instatement" proposal for **tie** Limited and CEC review, and this has now been discussed in detail and an action plan set for implementation (i.e. Specification & Compliance Mapping).

4.2 Traffic Management

Tie Limited, City of Edinburgh Council and AMIS MUDFA continue to hold regular Traffic Management meetings and have now agreed the AMIS Traffic Management Strategy, "Hot-Spots" and first series of Traffic Management Plans (i.e. Trial Site and Ocean Drive areas).

The traffic management discussions continue and AMIS MUDFA are scheduled to issue detailed plans for Leith Walk (Chris Hayball - Sections 1A & 1B) in order to commence operational discussions with the various bus operators and stakeholders. The traffic management elements will be re-prioritised in accordance with the new **tie** Limited and Stakeholder Imposed Programme once approved by **tie** Limited at Revision 04. However, further consideration needs to be given to the ongoing major works within the City Centre (i.e. St. Andrew Square) since this has a significant impact on traffic management, project execution strategy and baseline planning logic.

5. Communications and Stakeholders

5.1 Overview

Within the March 2007 reporting period AMIS MUDFA has attended several **tie** Limited communication meetings and has published the customer care and information packs required for advanced customer notifications. Mr. Thomas Reid and Ms. Catherine Gick are well established to handle outgoing and incoming communications, and Ms. Mandy Nelson (AMIS MUDFA Customer Care Manager) commences work on the project on Monday 2nd April 2007 supported by Mrs. Christine Turpie.

6. Construction Planning and Project Controls

6.1 Overview

As reported previously AMIS MUDFA has completed the first pass of the P3e Detailed Construction Programme covering all 125 work sites and the planning team

MULTI-UTILITY DIVERSION FRAMEWORK AGREEMENT (MUDFA)

is currently analysing the SDS Provider's Version 12 Design dates in order to re-evaluate the impact and dependency on the tie Limited and Stakeholder Imposed Programme (Revision 04). The detailed planning development continues at Level 4 and is subject to the receipt of detailed utility design outputs at IFC/AFC issue (Refer to 3.2 previous and Executive Summary). The AMIS MUDFA Operations team have developed detailed plans for the Trail Site at Casino Square for inclusion in the work order dossier and have completed detailed plans for the early works on Section 1A.

7. Contract and Commercial Management

7.1 General

Tie Limited and AMIS MUDFA have held several commercial review meetings within the March 2007 reporting period and discussed the Anticipated Final Account (AFA) at Revision 03/04. The AMIS MUDFA 4th Pass Anticipated Final Account (AFA) remains at £68,497,207.00 and AMIS MUDFA awaits the issue of further SDS IFC / AFC drawings in order to further refine the current AFA position as recorded with contract correspondence.

7.2 Application for Payment

AMIS MUDFA has completed a third application for payment and the accumulative total stands at £935,838.80 with a certified value of £889,004.99. The cost differential of £46,833.81 relates to a number of clarification issues and further substantiation.

7.3 Risk Management

In the March 2007 reporting period the AMIS MUDFA "Risk Management and Mitigation Plan" has been updated and re-submitted to the tie Utility Project Management team. The AMIS MUDFA risk and mitigation plan still shows an unusual amount of "RED RISKS" at this stage of the project and detailed discussions are still required to address key concerns (See Appendix 2).

7.4 Work Order Process and Authorisation

In the March 2007 reporting period tie Limited and AMIS MUDFA have held a number of meetings to review and refine the Work Ordering process with the principal objective to significantly reducing the various co-ordination requirements and timescales for preparation, issue and approval to meet the programme.



MULTI-UTILITY DIVERSION FRAMEWORK AGREEMENT (MUDFA)

7.5 Commercial Change Control

There has been a number of tie Limited change requests registered within the March 2007 reporting periods and these have been logged within the AMIS MUDFA Change Control Register for ongoing commercial review and agreement (See Appendix 3).

8. Pre-Construction Services : Schedule 1 Contract Deliverables

AMIS MUDFA as per previous monthly reports has included within Appendix 1 a copy of the Pre-Construction Services "S" Curve (2/2) in order to report on overall progress and to track the ongoing development status of MUDFA PCS Schedule 1 Deliverables. At the report cut-off date of 23rd March 2007 the only PCS Schedule 1 Deliverable outstanding is the "Final Buildability Report", which will be completed once the SDS Provider IFC/AFC Design Drawings have been received and "Buildability Analysis" completed by the AMIS MUDFA Operations team. Summary and overall status :

tie Utilities Project Management	Outstanding SDS Inputs Superseded
AMIS MUDFA Project Management	2.33

The overall AMIS MUDFA accumulative planning and progress status for the reporting period of March 2007 is summarised within the following tabulation and illustrated graphically within Appendix 1 (Sheets 1 and 2) :

Progress Criteria	% Monthly	% Accumulative
Planned	10.0	97.7
Actual	10.0	96.3
Deviations	(0.0)	1.4

9. Contract Correspondence

AMIS MUDFA continues to seek guidance and clarity on many contract requirements and interface issues, and proposes a further "Spring Cleaning" session is held to agree action plans, etc in further detail. The AMIS Directors and AMIS MUDFA teams are keen to re-evaluate the existing MUDFA framework agreement to help both management teams focus on actual utility diversion delivery as opposed to managing



Infrastructure Services



MULTI-UTILITY DIVERSION FRAMEWORK AGREEMENT (MUDFA)

a risk allocation contract involving excessive contractual correspondence, contract and commercial protection, positioning and capitalisation.

AMIS MUDFA would welcome the opportunity to meet throughout April 2007 and require budget and commercial payment assurance during the three month "Gate Transition Period" (Circa £878,421 for April to June 2007).

Appendices :

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