



Infrastructure Services

MUDFA Project
Western Harbour
Leith Docks
Edinburgh
EH6 6QF

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www.alfredmc Alpineplc.com

Ref: AMIS/tie/letter/AM/Projects/181

1st May 2007

Mr. Graeme Barclay
tie MUDFA Utilities Project Manager
tie Limited.
Verity House,
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 forwarding you a copy of the revised AMIS MUDFA Project Progress Report covering the April 2007 reporting period.

This report covers the first month of construction services and in future will include a set of performance metrics following joint discussion and agreement.

If you should have any further 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 – April 2007 (Month 1)**



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



**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/CS/01
DOCUMENT TITLE :
PROJECT MONTHLY REPORT
APRIL 2007 - Month 1

VERSION No : 02

PAGE : 1 of 13

DOCUMENT OWNER : ANDREW MALKIN

						CODE A, B OR C	
Author	Date	Checked	Date	Approved	Issue Date	Approved	Date
Andrew Malkin	01.05.07	[Redacted]	01.05.07	[Redacted]	01.05.07		
Andrew Malkin	19.04.07	K.G.	20.04.07	A.M.	20.04.07	N/A	N/A
MUDFA AMIS PROJECT TEAM						Tie / Client	



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MULTI-UTILITY DIVERSION FRAMEWORK AGREEMENT (MUDFA)

AMIS MUDFA Project Monthly Report – Construction Services Month 1 - April 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 : 8 Week Look-Ahead (3 Pages)
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, Martin Hutchinson, Jim Snedden & John McAloon.

AMIS Project Management

Andrew Malkin, Keith Gourlay, Graeme Strachan, Gil Clelland, Gerry Bannon, Stephen Clemenson, Stephen Crosbie, Mark Riley, Roddy Aves, Bill 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) has commenced MUDFA Construction Services (CS) within the reporting period. The main focus has been on the Trial Site at Casino Square and preparation for construction work at sites 1AWSI003/002, 1AWSI004/001 & 1AWSI004/002 (1st Phase - Ocean Drive) and 1AWSI005/001, 1AWSI005/002 & 1AWSI006/001 (2nd Phase - Ocean Terminal Frontage).

The main concern relates to the availability of Issued for Construction (IFC) detailed design drawings complete with Bill of Materials (BOM's) and C4 cost estimates. AMIS MUDFA has been assisting tie Limited in this specific area, although a radical overall of the entire process is required if MUDFA schedule adherence is to be maintained in support of Infracore construction services.

2. Health and Safety, CDM, Quality and Environmental

Main Achievements Within the Reporting Period

- No major accidents, incidents or near misses.
- Accident Frequency Rate (AFR) = 0 (Approximate 12,473 Hours)
- Safety inductions and Gogar Depot mobilisation completed successfully.
- Gogar Depot environmental services completed.

Activities Planned for Next Reporting Period

- Complete lessons learnt from the Trial Site and adopt best practices.
- Complete AMIS BMS update, re-issue and roll-out documentation.
- Commence MUDFA staff safety forums at Leith Offices.
- Jointly establish pro-active site safety group (Graeme Barclay).
- Display visible presentations of HSE&Q KPI's for information, monitoring and raising of safety awareness standards.

Areas of Concern & Key Highlights

- Availability of HAZID Log data for next series of worksites (See above).
- Potential difficulties arising from accelerated mobilisation of operations.



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3. SDS Design Interface and Buildability Analysis

Main Achievements Within the Reporting Period

- Gas & Water Thumbnail Utility Design Sketches (TUDS) completed for SDS Sections 1A/North, 3A, 3B and 3C (Including BOM's).
- Trial trench investigation proposals submitted to tie Limited and SDS Provider.
- SUC specific C4 Estimates completed for 6 No. sites on Section 1A/North.
- Trail site "Technical Query" raised and coordination system challenged.
- Follow on Section 1A work orders compiled in draft format.
- Section 1A / North Traffic Management Plans completed.
- AMIS MUDFA attendance at regular SUC meetings continues.

Activities Planned for Next Reporting Period

- Complete Gas & Water Thumbnail Utility Design Sketches (TUDS) for SDS Sections 1B/South, 5A, 5B, 5C and 6 (Including BOM's).
- Complete Section 1A/North work orders and obtain tie Limited approval (Basis Cost+15%).
- Complete Section 1B Traffic Management Plans (Focus on South section of Foot of Leith Walk).
- Commence EARL utility diversion design services (i.e. Jacobs Engineering).
- Commence detailing of next 8 week look-ahead series and cost resourcing.

Areas of Concern & Key Highlights

- Availability of SDS Provider and SUC approved utility diversion designs complete with Bill of Quantities (BOQ's). See Executive Summary previous.

4. Operations Management

4.1 Construction Services

Main Achievements Within the Reporting Period

- Successful mobilisation of construction works at Gogar Depot (i.e. Environmental).
- CCTV pre-surveys completed for Sections 1A, 1A(2), 1B, 1D, 2, 5A, 5B & 5C.
- CCTV survey completed for Section 5B.
- Water service surveys (i.e. Toby's) completed for Sections 1A & 1B (i.e. Top of Leith Walk to Constitution Street looking North on left hand side).



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- Attendance at regular SUC and SDS Provider meetings.

Activities Planned for Next Reporting Period

- Complete pre-enabling works at Gogar Depot and commence mass excavation.
- Complete CCTV surveys for Sections 1A, 1A(2), 1B, 1D, 2, 5A & 5C.
- Prepare to commence construction works at Ocean Drive and Terminal frontage.
- Complete Trial Site and concentrate on completion of Casino frontage.
- Complete gas and water surveys and pass records to tie Limited.

Areas of Concern & Key Highlights

- Turnaround time and ownership of site raised Technical Queries (TQ's).
- Consider streamlining extent of paperwork generated for work orders.

4.2 Traffic Management

Main Achievements Within the Reporting Period

- Traffic Management Plans implemented for Trial Site at Casino Square.
- Traffic Management Plans implemented for Gogar Depot site access.

Activities Planned for Next Reporting Period

- Implement Traffic Management Plan for Section 1A/North construction works at Ocean Drive and Terminal frontage / Holiday Express roundabout.
- Complete Section 1B Traffic Management Plans.

Areas of Concern & Key Highlights

- Encourage more traffic plan discussions in advance of formal submissions.
- Ensure all traffic plan discussions are coordinated through MUDFA project team.

4.3 Materials, Supply Chain Management & Site Services

Main Achievements Within the Reporting Period

- Materials and plant sourced and secured to support Trial Site works.
- Power cables purchasing proposal submitted to tie Limited for review.
- Several utility material supplier meeting held in period (i.e. Fusion Provider).

Activities Planned for Next Reporting Period

- Focus on generation 1st Pass Bill of Quantities (BOM's) for purchasing.
- Review material storage and logistics solutions with Len Lothian, Edinburgh.
- Finalise MUDFA site storage and laydown areas (i.e. signage and racking).
- Place main order for power cables to secure cost offer and availability.



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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 several stakeholder and local council meetings.
- Communications established with SUC call centres (i.e. Team Leaders).
- Communications meeting held with Mike Connelly, Steve Gorry and Graeme Barclay. Contact made with Mr. Patrick Fitzgerald in Constitution Street.
- Residence and business identification complete for Section 1B (Leith Walk).

Activities Planned for Next Reporting Period

- Attendance at Ocean Terminal residents committee meeting scheduled via factor.
- Presentation to Ocean Terminal retailers anticipated in early May 2007.
- Commence letter drops in the vicinity of Ocean Terminal (Monday 30th April 2007).

Areas of Concern & Key Highlights

- Sensitivity of forthcoming elections and ongoing Edinburgh Tram operations.

6. Construction Planning and Project Controls

Main Achievements Within the Reporting Period

- tie Limited & Stakeholder Programme re-issued at Revision 05.
- P3e, 8 Week look-ahead programme issued to tie Limited, AMIS MUDFA project teams and Forth Ports Plc (Refer to Appendix 1).

Activities Planned for Next Reporting Period

- Complete next 8 week look-ahead programme and cost resourcing.
- Review and agree method for Earned-Value, KPI's and progress reporting.
- Complete detailed technical audit of SDS Provider utility design progress.
- Recommence operations interactive planning sessions (i.e. Microsoft Project).

Areas of Concern & Key Highlights

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



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7. Contract and Commercial Management

Main Achievements Within the Reporting Period

- tie Limited and AMIS discussions held regarding future commercial agreement *.
- AMIS cost profile and projections for April, May & June 2007 submitted for review and approval. Currently awaiting formal acceptance.
- SUC C4 estimates completed to assist tie Limited secure SUC design approvals.
- MUDFA change control backlog addressed, issues cleared and resolved in reporting period (See Appendix 2).
- AMIS MUDFA payment applications for £962,371.49 submitted and value certified totals £911,660.55.

Activities Planned for Next Reporting Period

- Resolution of contractual agreement in relation to Schedule 4 (i.e. Bill of Quantities).
- Agree schedule of cost components for construction services going forwards.
- AMIS review and approval of new contractual agreement (Ref. 28th March 2007).
- Review tie Limited proposal for AMIS MUDFA incentivisation.
- Agree final account and approval of AMIS MUDFA Pre-Construction Services.

Areas of Concern & Key Highlights

- Commercial agreement still awaited from tie Limited.
- £154,980.71 payment two weeks late.
- £7,129.00 payment for Ingliston car park site investigation not yet received.

8. Future Business Opportunities & Developments

- EARL (Tram/Train) Multi-Utility diversion works at Edinburgh Airport (Central Area) : Approximately £10M. Awaiting formal authorisation to proceed.
- EARL Multi-Utility diversion works at Edinburgh Airport (Kirkliston North Side) : Approximately £12 to 15M.
- GARL Train Multi-Utility diversion works at Glasgow : Approximately £25M
- Gogar Depot advanced civil works : Approximately £5 to 10M
- Ingliston temporary car park (Option 3 Revisited) : Estimate £475k.
- St. David Street (North, Central & South) Two-way traffic : Approximately £1M.
- Main Route City Fibre Optics & WiFi Enabling for Edinburgh (£M TBC)
- Edinburgh to Glasgow MAGLEV project (£M TBC).



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Appendices :

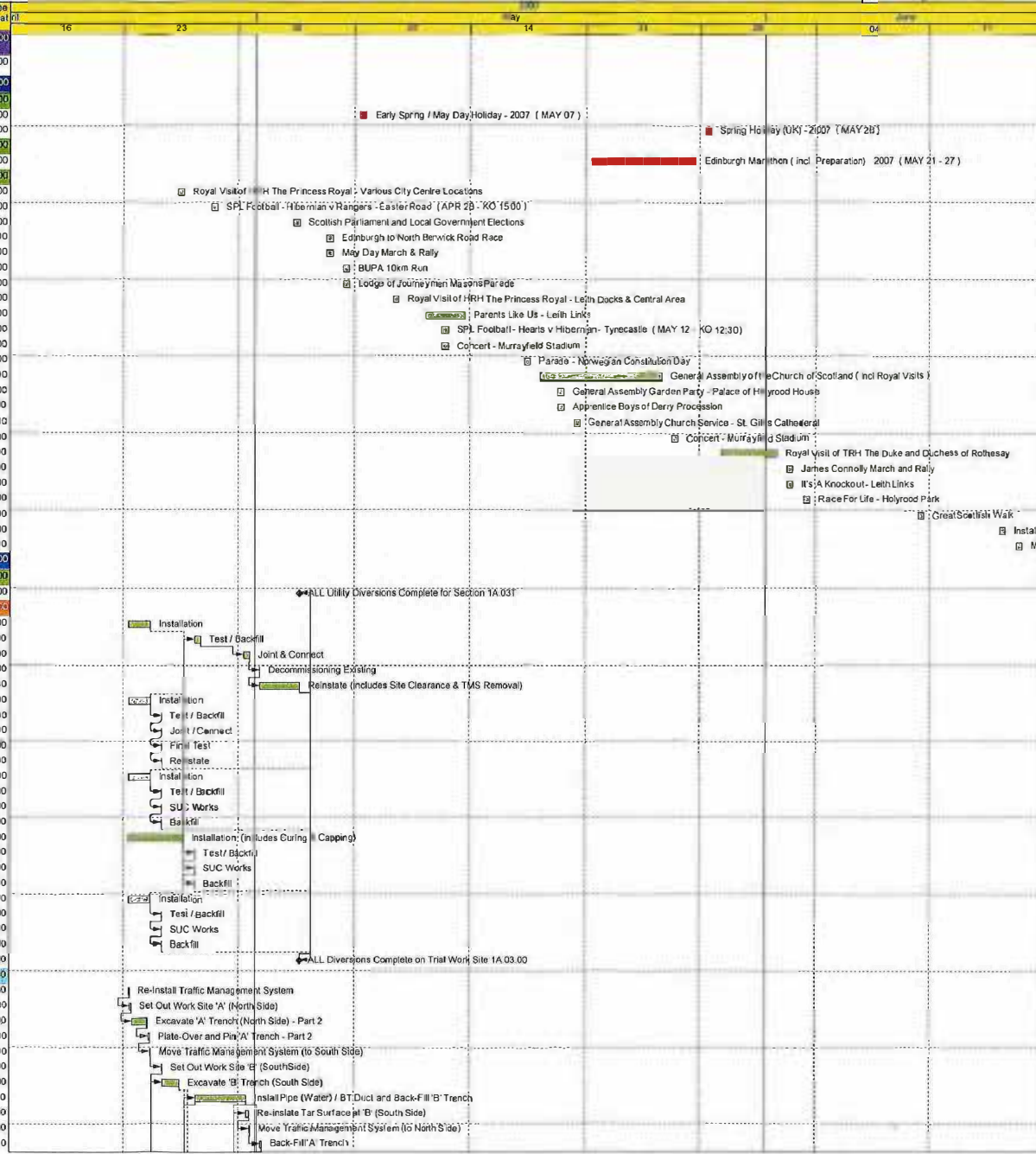
1. Construction Services : 8 Week Look-Ahead (3 Pages)
2. AMIS MUDFA Change Control Register (2 Pages)

Trams for Edinburgh - Multi-Utility Diversion

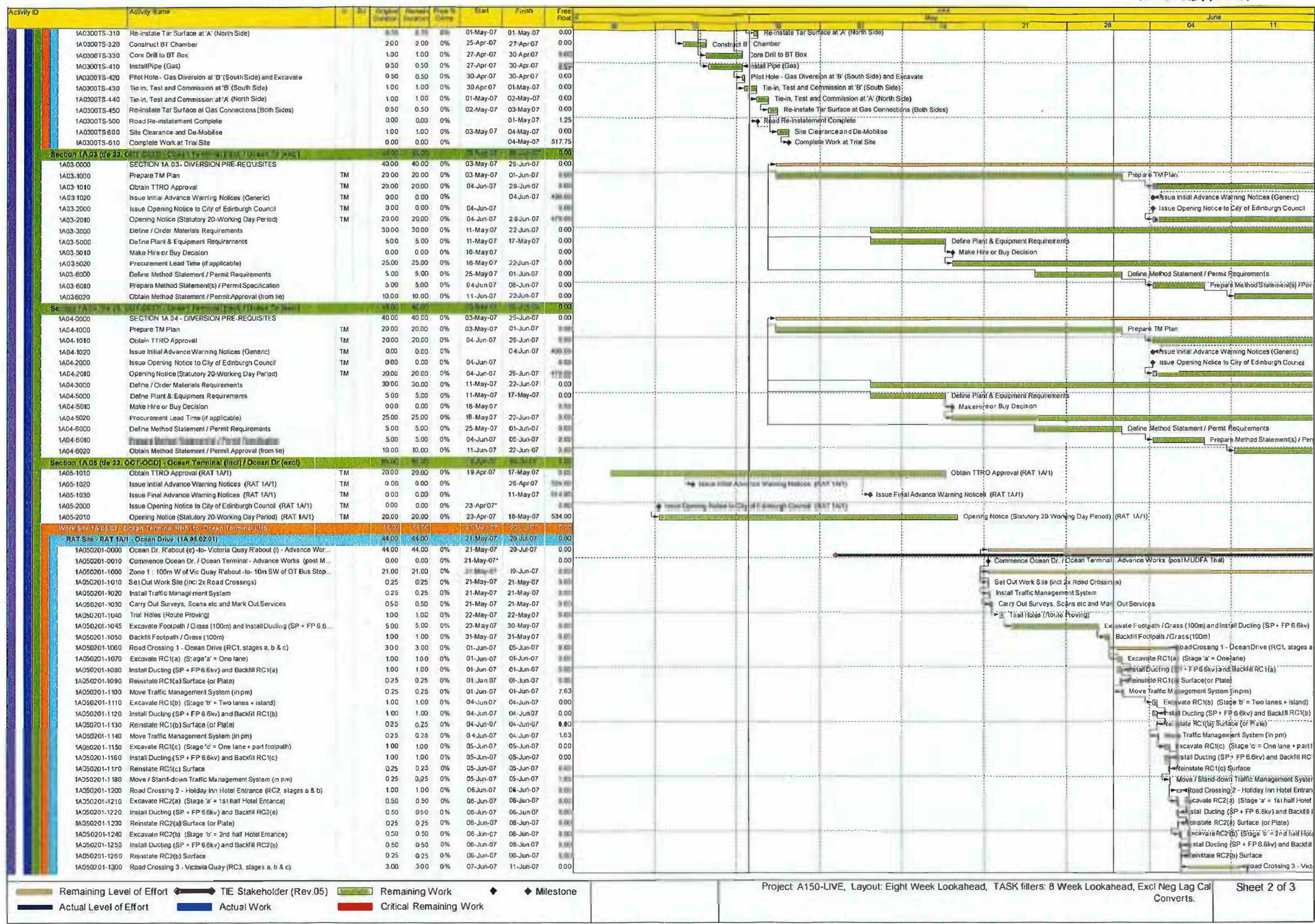
Construction Services - 8 Week Lookahead

20-Apr-07 12:30

Activity ID	Activity Name	U	SU	Original Duration	Remain Duration	Phys % Comp	Start	Finish	Free Float
AMIS MUDFA - CS Contract (Per Rev. 03 Strategy) LIVE				75.00	75.00		19-Apr-07	03-Aug-07	0.00
Construction Services (CS)				75.00	75.00		19-Apr-07	03-Aug-07	0.00
Holidays / Embargoes / Events Information				35.00	35.00		26-Apr-07	16-Jun-07	0.00
Local / National Holidays				14.00	14.00		07-May-07	28-May-07	0.00
LNH-0023	Early Spring / May Day Holiday - 2007 (MAY 07)			1.00	1.00	0%	07-May-07	07-May-07	0.00
LNH-0030	Spring Holiday (UK) - 2007 (MAY 28)			1.00	1.00	0%	28-May-07	28-May-07	0.00
Festivals / Sporting Events				5.00	5.00		21-May-07	27-May-07	0.00
FSE-0020	Edinburgh Marathon (incl. Preparation) 2007 (MAY 21 - 27)			7.00	7.00	0%	21-May-07	27-May-07	0.00
KME-0020	Royal Visit of HRH The Princess Royal - Various City Centre Locati...			1.00	1.00	0%	26-Apr-07	28-Apr-07	770.00
KME-0025	SPL Football - Hibernian v Rangers - Easter Road (APR 28 - KO ...			1.00	1.00	0%	28-Apr-07	28-Apr-07	768.00
KME-0030	Scottish Parliament and Local Government Elections			1.00	1.00	0%	03-May-07	03-May-07	763.00
KME-0040	Edinburgh to North Berwick Road Race			1.00	1.00	0%	05-May-07	05-May-07	761.00
KME-0050	May Day March & Rally			1.00	1.00	0%	05-May-07	05-May-07	761.00
KME-0060	BUPA 10km Run			1.00	1.00	0%	06-May-07	06-May-07	760.00
KME-0070	Lodge of Journeymen Masons Parade			1.00	1.00	0%	06-May-07	06-May-07	760.00
KME-0080	Royal Visit of HRH The Princess Royal - Leith Docks & Central Area			1.00	1.00	0%	09-May-07	09-May-07	757.00
KME-0090	Parents Like Us - Leith Links			3.00	3.00	0%	11-May-07	13-May-07	753.00
KME-0100	SPL Football - Hearts v Hibernian - Tynecastle (MAY 12 - KO 12.30...			1.00	1.00	0%	12-May-07	12-May-07	754.00
KME-0105	Concert - Murrayfield Stadium			1.00	1.00	0%	12-May-07	12-May-07	754.00
KME-0110	Parade - Norwegian Constitution Day			1.00	1.00	0%	17-May-07	17-May-07	749.00
KME-0120	General Assembly of the Church of Scotland (incl Royal Visits)			8.00	8.00	0%	18-May-07	25-May-07	741.00
KME-0130	General Assembly Garden Party - Palace of Holyrood House			1.00	1.00	0%	19-May-07	19-May-07	747.00
KME-0140	Apprentice Boys of Derry Procession			1.00	1.00	0%	19-May-07	19-May-07	747.00
KME-0150	General Assembly Church Service - St Giles Cathedral			1.00	1.00	0%	20-May-07	20-May-07	746.00
KME-0160	Concert - Murrayfield Stadium			1.00	1.00	0%	26-May-07	26-May-07	740.00
KME-0170	Royal Visit of TRH The Duke and Duchess of Rothesay			4.00	4.00	0%	29-May-07	01-Jun-07	734.00
KME-0180	James Connolly March and Rally			1.00	1.00	0%	02-Jun-07	02-Jun-07	733.00
KME-0190	It's A Knockout - Leith Links			1.00	1.00	0%	02-Jun-07	02-Jun-07	733.00
KME-0200	Race For Life - Holyrood Park			1.00	1.00	0%	03-Jun-07	03-Jun-07	732.00
KME-0210	Great Scottish Walk			1.00	1.00	0%	10-Jun-07	10-Jun-07	725.00
KME-0220	Installation of the Governor of Edinburgh Castle			1.00	1.00	0%	15-Jun-07	15-Jun-07	720.00
KME0230	Moonwalk Full and Half Marathons			1.00	1.00	0%	16-Jun-07	16-Jun-07	719.00
SECTOR 1A				65.00	65.00		18-Apr-07	20-Jul-07	0.00
Section 1A.03T (the 23 OCT-OCD) - Ocean Terminal (incl) / Ocean Dr (excl)				9.25	9.25		23-Apr-07	04-May-07	0.00
1A03T-9999	ALL Utility Diversions Complete for Section 1A.03T			0.00	0.00	0%	03-May-07	03-May-07	96.00
Work Site 1A.03.00 - Casino Square (MUDFA Trial Site)				9.25	9.25		23-Apr-07	04-May-07	0.00
1A0303-1020	Installation	G	SG	2.00	2.00	0%	23-Apr-07	24-Apr-07	2.00
1A0303-1030	Test / Backfill	G	SG	1.00	1.00	0%	27-Apr-07	27-Apr-07	0.00
1A0303-1040	Joint & Connect	G	SG	1.00	1.00	0%	30-Apr-07	30-Apr-07	0.00
1A0303-1050	Decommissioning Existing	G	SG	0.00	0.00	0%	01-May-07	01-May-07	0.00
1A0303-1060	Reinstall (includes Site Clearance & TMS Removal)	G	SG	3.00	3.00	0%	01-May-07	03-May-07	0.00
1A0303-2020	Installation	W	SW	2.00	2.00	0%	23-Apr-07	24-Apr-07	0.00
1A0303-2030	Test / Backfill	W	SW	0.00	0.00	0%	25-Apr-07	25-Apr-07	0.00
1A0303-2040	Joint / Connect	W	SW	0.00	0.00	0%	25-Apr-07	25-Apr-07	0.00
1A0303-2050	Final Test	W	SW	0.00	0.00	0%	25-Apr-07	25-Apr-07	0.00
1A0303-2060	Reinstall	W	SW	0.00	0.00	0%	25-Apr-07	25-Apr-07	7.00
1A0303-3020	Installation	T	BT	2.00	2.00	0%	23-Apr-07	24-Apr-07	0.00
1A0303-3030	Test / Backfill	T	BT	0.00	0.00	0%	25-Apr-07	25-Apr-07	0.00
1A0303-3040	SUC Works	T	BT	0.00	0.00	0%	25-Apr-07	25-Apr-07	0.00
1A0303-3050	Backfill	T	BT	0.00	0.00	0%	25-Apr-07	25-Apr-07	7.00
1A0303-4020	Installation (includes Curing & Capping)	T	BT	4.00	4.00	0%	23-Apr-07	26-Apr-07	0.00
1A0303-4030	Test / Backfill	T	BT	0.00	0.00	0%	27-Apr-07	27-Apr-07	0.00
1A0303-4040	SUC Works	T	BT	0.00	0.00	0%	27-Apr-07	27-Apr-07	0.00
1A0303-4050	Backfill	T	BT	0.00	0.00	0%	27-Apr-07	27-Apr-07	5.00
1A0303-5020	Installation	FP	FP	2.00	2.00	0%	23-Apr-07	24-Apr-07	0.00
1A0303-5030	Test / Backfill	FP	FP	0.00	0.00	0%	25-Apr-07	25-Apr-07	0.00
1A0303-5040	SUC Works	FP	FP	0.00	0.00	0%	25-Apr-07	25-Apr-07	0.00
1A0303-5050	Backfill	FP	FP	0.00	0.00	0%	25-Apr-07	25-Apr-07	7.00
1A0303-9999	ALL Diversions Complete on Trial Work Site 1A.03.00			0.00	0.00	0%	03-May-07	03-May-07	0.00
Work Pack 1A.03T.00.01 - MUDFA Trial Site				9.25	9.25		23-Apr-07	04-May-07	0.00
1A0300TS-200	Re-install Traffic Management System			0.25	0.25	0%	23-Apr-07	23-Apr-07	0.00
1A0300TS-210	Set Out Work Site 'A' (North Side)			0.25	0.25	0%	23-Apr-07	23-Apr-07	0.00
1A0300TS-220	Excavate 'A' Trench (North Side) - Part 2			1.00	1.00	0%	23-Apr-07	24-Apr-07	0.00
1A0300TS-230	Plate-Over and Pin 'A' Trench - Part 2			0.25	0.25	0%	24-Apr-07	24-Apr-07	0.00
1A0300TS-240	Move Traffic Management System (to South Side)			0.25	0.25	0%	24-Apr-07	24-Apr-07	0.00
1A0300TS-250	Set Out Work Site 'B' (South Side)			0.25	0.25	0%	25-Apr-07	25-Apr-07	0.00
1A0300TS-260	Excavate 'B' Trench (South Side)			1.00	1.00	0%	25-Apr-07	26-Apr-07	1.00
1A0300TS-270	Install Pipe (Water) / BT Duct and Back-Fill 'B' Trench			1.00	1.00	0%	27-Apr-07	30-Apr-07	0.00
1A0300TS-280	Re-install Tar Surface at 'B' (South Side)			0.50	0.50	0%	30-Apr-07	30-Apr-07	0.00
1A0300TS-290	Move Traffic Management System (to North Side)			0.25	0.25	0%	30-Apr-07	30-Apr-07	0.00
1A0300TS-300	Back-Fill 'A' Trench			0.25	0.25	0%	01-May-07	01-May-07	0.00



TIE00261238_0011



Activity ID	Activity Name	Start	Finish	Free Float
1A0300TS-310	Re-instate Tar Surface at 'A' (North Side)	01-May-07	01-May-07	0.00
1A0300TS-320	Construct BT Chamber	25-Apr-07	27-Apr-07	0.00
1A0300TS-330	Core Drill to BT Box	27-Apr-07	30-Apr-07	0.00
1A0300TS-410	Install Pipe (Gas)	27-Apr-07	30-Apr-07	0.00
1A0300TS-420	Pilot Hole - Gas Diversion at 'B' (South Side) and Excavate	30-Apr-07	30-Apr-07	0.00
1A0300TS-430	Tie-in, Test and Commission at 'B' (South Side)	30-Apr-07	01-May-07	0.00
1A0300TS-440	Tie-in, Test and Commission at 'A' (North Side)	01-May-07	02-May-07	0.00
1A0300TS-450	Re-instate Tar Surface at Gas Connections (Both Sides)	02-May-07	03-May-07	0.00
1A0300TS-500	Road Re-instatement Complete	01-May-07	01-May-07	1.25
1A0300TS600	Site Clearance and De-Mobilise	03-May-07	04-May-07	0.00
1A0300TS-610	Complete Work at Trial Site	04-May-07	04-May-07	517.75
Section 1A 03 (to 23.0)				
1A03-0000	SECTION 1A 03- DIVERSION PRE-REQUISITES	40.00	40.00	0%
1A03-1000	Prepare TM Plan	20.00	20.00	0%
1A03-1010	Obtain TTRO Approval	20.00	20.00	0%
1A03-1020	Issue Initial Advance Warning Notices (Generic)	0.00	0.00	0%
1A03-2000	Issue Opening Notice to City of Edinburgh Council	0.00	0.00	0%
1A03-2010	Opening Notice (Statutory 20-Working Day Period)	20.00	20.00	0%
1A03-3000	Define / Order Materials Requirements	30.00	30.00	0%
1A03-5000	Define Plant & Equipment Requirements	5.00	5.00	0%
1A03-5010	Make Hire or Buy Decision	0.00	0.00	0%
1A03-5020	Procurement Lead Time (if applicable)	25.00	25.00	0%
1A03-6000	Define Method Statement / Permit Requirements	5.00	5.00	0%
1A03-6010	Prepare Method Statement(s) / Permit Specification	5.00	5.00	0%
1A03-6020	Obtain Method Statement / Permit Approval (from tie)	10.00	10.00	0%
Section 1A 04 (to 23.0)				
1A04-0000	SECTION 1A 04- DIVERSION PRE-REQUISITES	40.00	40.00	0%
1A04-1000	Prepare TM Plan	20.00	20.00	0%
1A04-1010	Obtain TTRO Approval	20.00	20.00	0%
1A04-1020	Issue Initial Advance Warning Notices (Generic)	0.00	0.00	0%
1A04-2000	Issue Opening Notice to City of Edinburgh Council	0.00	0.00	0%
1A04-2010	Opening Notice (Statutory 20-Working Day Period)	20.00	20.00	0%
1A04-3000	Define / Order Materials Requirements	30.00	30.00	0%
1A04-5000	Define Plant & Equipment Requirements	5.00	5.00	0%
1A04-5010	Make Hire or Buy Decision	0.00	0.00	0%
1A04-5020	Procurement Lead Time (if applicable)	25.00	25.00	0%
1A04-6000	Define Method Statement / Permit Requirements	5.00	5.00	0%
1A04-6010	Prepare Method Statement(s) / Permit Specification	5.00	5.00	0%
1A04-6020	Obtain Method Statement / Permit Approval (from tie)	10.00	10.00	0%
Section 1A 05 (to 23.0) OCF-OCB - Ocean Terminal (Incl) / Ocean Dr (excl)				
1A05-1010	Obtain TTRO Approval (RAT 1A/1)	20.00	20.00	0%
1A05-1020	Issue Initial Advance Warning Notices (RAT 1A/1)	0.00	0.00	0%
1A05-1030	Issue Final Advance Warning Notices (RAT 1A/1)	0.00	0.00	0%
1A05-2000	Issue Opening Notice to City of Edinburgh Council (RAT 1A/1)	0.00	0.00	0%
1A05-2010	Opening Notice (Statutory 20-Working Day Period) (RAT 1A/1)	20.00	20.00	0%
Work Site 1A0502 - Ocean Terminal (Incl) to Ocean Terminal (Excl)				
RAT Site - RAT 1A/1 - Ocean Drive (1A 05 02 01)				
1A050201-0000	Ocean Dr. 'About (e) -to- Victoria Quay 'About (l) - Advance Wor...	44.00	44.00	0%
1A050201-0010	Commence Ocean Dr. / Ocean Terminal - Advance Works (post M...	0.00	0.00	0%
1A050201-1000	Zone 1 - 100m W of Vic Quay 'About -to- 10m SW of OT Bus Stop...	21.00	21.00	0%
1A050201-1010	Set Out Work Site (Incl 2x Road Crossings)	0.25	0.25	0%
1A050201-1020	Install Traffic Management System	0.25	0.25	0%
1A050201-1030	Carry Out Surveys, Scans etc and Mark Out Services	0.50	0.50	0%
1A050201-1040	Trial Holes (Route Proving)	1.00	1.00	0%
1A050201-1045	Excavate Footpath / Grass (100m) and Install Ducting (SP + FP 6.6k...	5.00	5.00	0%
1A050201-1050	Backfill Footpath / Grass (100m)	1.00	1.00	0%
1A050201-1060	Road Crossing 1 - Ocean Drive (RC1, stages a, b & c)	3.00	3.00	0%
1A050201-1070	Excavate RC1(a) (Stage 'a' = One lane)	1.00	1.00	0%
1A050201-1080	Install Ducting (SP + FP 6.6kV) and Backfill RC1(a)	1.00	1.00	0%
1A050201-1090	Reinstate RC1(a) Surface (or Plate)	0.25	0.25	0%
1A050201-1100	Move Traffic Management System (in pm)	0.25	0.25	0%
1A050201-1110	Excavate RC1(b) (Stage 'b' = Two lanes + island)	1.00	1.00	0%
1A050201-1120	Install Ducting (SP + FP 6.6kV) and Backfill RC1(b)	1.00	1.00	0%
1A050201-1130	Reinstate RC1(b) Surface (or Plate)	0.25	0.25	0%
1A050201-1140	Move Traffic Management System (in pm)	0.25	0.25	0%
1A050201-1150	Excavate RC1(c) (Stage 'c' = One lane + part footpath)	1.00	1.00	0%
1A050201-1160	Install Ducting (SP + FP 6.6kV) and Backfill RC1(c)	1.00	1.00	0%
1A050201-1170	Reinstate RC1(c) Surface	0.25	0.25	0%
1A050201-1180	Move / Stand-down Traffic Management System (in pm)	0.25	0.25	0%
1A050201-1200	Road Crossing 2 - Holiday Inn Hotel Entrance (RC2, stages a & b)	1.00	1.00	0%
1A050201-1210	Excavate RC2(a) (Stage 'a' = 1st half Hotel Entrance)	0.50	0.50	0%
1A050201-1220	Install Ducting (SP + FP 6.6kV) and Backfill RC2(a)	0.50	0.50	0%
1A050201-1230	Reinstate RC2(a) Surface (or Plate)	0.25	0.25	0%
1A050201-1240	Excavate RC2(b) (Stage 'b' = 2nd half Hotel Entrance)	0.50	0.50	0%
1A050201-1250	Install Ducting (SP + FP 6.6kV) and Backfill RC2(b)	0.50	0.50	0%
1A050201-1260	Reinstate RC2(b) Surface	0.25	0.25	0%
1A050201-1300	Road Crossing 3 - Victoria Quay RC3, stages a, b & c)	3.00	3.00	0%

█ Remaining Level of Effort
 █ Actual Level of Effort
 █ Remaining Work
 █ Actual Work
 ◆ TIE Stakeholder (Rev.05)
 ◆ Milestone
 ◆ Critical Remaining Work

TIE00261238_0012

Activity ID	Activity Name	U	SU	Original Duration	Remain Duration	Phys % Comp	Start	Finish	Free Float	2007													
										23	30	07	14	21	28	04	11	18	25	01	08		
1A050201-1310	Re-Install Traffic Management System			0.25	0.25	0%	07-Jun-07	07-Jun-07	0.00														
1A050201-1320	Excavate RC3(a) (Stage 'a' = One lane)			0.75	0.75	0%	07-Jun-07	07-Jun-07	0.00														
1A050201-1330	Install Ducting (SP + FP 6.6kv) and Backfill RC3(a)			0.75	0.75	0%	07-Jun-07	07-Jun-07	0.00														
1A050201-1340	Reinstate RC3(a) Surface (or Plate)			0.25	0.25	0%	07-Jun-07	07-Jun-07	0.00														
1A050201-1350	Move Traffic Management System (in pm)			0.25	0.25	0%	07-Jun-07	07-Jun-07	1.63														
1A050201-1360	Excavate RC3(b) (Stage 'b' = Two lanes + island)			1.00	1.00	0%	08-Jun-07	08-Jun-07	0.00														
1A050201-1370	Install Ducting (SP + FP 6.6kv) and Backfill RC3(b)			1.00	1.00	0%	08-Jun-07	08-Jun-07	0.00														
1A050201-1380	Reinstate RC3(b) Surface (or Plate)			0.25	0.25	0%	08-Jun-07	08-Jun-07	0.00														
1A050201-1390	Move Traffic Management System (in pm)			0.25	0.25	0%	08-Jun-07	08-Jun-07	7.63														
1A050201-1400	Excavate RC3(c) (Stage 'c' = One lane + par. footpath)			1.00	1.00	0%	11-Jun-07	11-Jun-07	0.00														
1A050201-1410	Install Ducting (SP + FP 6.6kv) and Backfill RC3(c)			1.00	1.00	0%	11-Jun-07	11-Jun-07	0.00														
1A050201-1420	Reinstate RC3(c) Surface			0.25	0.25	0%	11-Jun-07	11-Jun-07	0.00														
1A050201-1430	Excavate Footpath (80m) and Install Ducting (SP + FP 6.6kv (Part...)			3.00	3.00	0%	12-Jun-07	12-Jun-07	0.00														
1A050201-1440	Backfill Footpath (80m)			1.00	1.00	0%	15-Jun-07	15-Jun-07	0.00														
Section 1A.06 (ie 24. NER-OCT) - Newmarket Rd (inc) / Ocean Term (excl)				20.00	20.00		25-May-07	22-Jun-07	0.00														
1A06-1000	Prepare TM Plan (RAT 1A2)		TM	20.00	20.00	0%	25-May-07	22-Jun-07	0.00														
SECTOR 1B				40.00	40.00		11-Jun-07	03-Aug-07	0.00														
Section 1B.01 (ie 19. HAS.MDR) - Ballou St (inc) / MacDonald Rd (excl)				40.00	40.00		11-Jun-07	03-Aug-07	0.00														
1B01-0000	SECTION 1B.01 - DIVERSION PRE-REQUISITES			40.00	40.00	0%	11-Jun-07	03-Aug-07	0.00														
1B01-1000	Prepare TM Plan		TM	20.00	20.00	0%	11-Jun-07	06-Jul-07	0.00														
SECTOR 7A				66.00	66.00		27-Apr-07	31-Jul-07	0.00														
Section 7A.04 (ie 4. GOQ.P/R) - Gogarrburn (excl) / Ingliston Park & Ride (inc)				66.00	66.00		27-Apr-07	31-Jul-07	0.00														
Work Site 7A.04.01 - Ingliston Park & Ride - Phase 2 - Non-MUDFA				66.00	66.00		27-Apr-07	31-Jul-07	0.00														
7A0401-0000	INGLISTON PARK & RIDE - PHASE 2 - NON-MUDFA			65.00	65.00	0%	30-Apr-07	31-Jul-07	0.00														
7A0401-0120	AMIS Proposed Start On Work Site 7A.04.01 (per Stakeholder Rev...			0.00	0.00	0%	30-Apr-07	30-Apr-07	0.00														
7A0401-0200	Erect Traffic Management System		TM	1.00	1.00	0%	27-Apr-07	27-Apr-07	769.00														
7A0401-1000	*** AMIS Projects - Work To Be Specified ***		U Oh	65.00	65.00	0%	30-Apr-07	31-Jul-07	0.00														

Remaining Level of Effort
 TIE Stakeholder (Rev.05)
 Remaining Work
 Actual Level of Effort
 Actual Work
 Critical Remaining Work
 Milestone

TIE00261238_0013

Multi-Utilities Diversion Framework Agreement Change Summary

Change Reference	WSS Reference	WSS Code	Notice of Change				Estimate Submission Procedure						Valuation of Change						Change Order Title						
			Date notified by BOR	Date raised by AMS	Letter Ref.	Brief Description	Estimate Received (Clause 46.3)	Date Estimate Provided (Clause 46.4)	Estimate Accepted or Dated (Clause 46.4)	Date Estimate Submitted (Clause 46.4)	Acceptance by BS that no Estimate (Clause 46.3)	£ Estimate	Estimate referred to DRP? Y/N	BOG Rates and Prices (Clause 47.4.1)	Prices obtained from (Clause 47.4.2)	Fair Rates & Prices (Clause 47.4.3)	Schedule 4 Rates (Prov.) CI 48.4.4	£ Submitted (Base Dated)	£ Accepted (Base Dated)	£ AMS Valuation	£ BS Valuation	£ Valuation Agreed	Date Issued by BS	Further Action(s) Required	Action by?
08					AMS letter 128 DEL NUDF A242						356,950.00													Change Order issued	
08		ingalor-Depot			AMS letter 116 AMS letter 127 AMS letter 143						17,756.21													Issue Change Notice (required) AMS to substitute rates detailed in the Change Order	
11	18.1	Godara			AMS letter 135 DEL NUDF A416 AH GB						DAILY RATE													Hours to be deducted	
11	18.1	Godara Depot			AMS letter 135 AMS letter 139 DEL NUDF A417 AH GB																			Hours to be deducted	
11					AMS letter 139 DEL NUDF A210 MH GB						10,724.53													Hours to be deducted	
11					AMS letter 138 DEL NUDF A3421C GB																			Hours to be deducted - AMS to substitute rates obtained with estimate taken transferred from AMS	
11					AMS letter 138 DEL NUDF A373AE GB																			Hours to be deducted - AMS to substitute rates obtained with estimate taken transferred from AMS	