

MUDFA Contract Review Report

Period 9 (10/11/08 – 7/12/08)

1.0 Executive Summary

Overall progress in the period has been affected by preparatory work for impending embargos within the city centre and Leith Walk. In addition, rev 07.9 programme identifies works ongoing at Newhaven, Ocean terminal and the north end of Constitution Street, which are all stalled awaiting IFC drawings. This translates into 1691 lm achieved against the planned 4421 lm. (ref. Progress table for sectional breakdown).

The report includes details of progress for all sections of work, highlighted below are key items of work:

- Chainage 100 to 350 on Leith Walk is completed with the remainder up to McDonald road due for completion by 12th december'08, commencement of the Leith Walk embargo.
- All city centre sites cleared and TM provisions in place prior to embargo implementation on Saturday 29th November '08.
- Options for 30" gas main diversion at the Mound, presented to SGN for discussion. Preferred option to be design detailed and approved by SGN (Advantica).
- Lothian road junction TM proposals to integrate the MUDFA/INFRACO works to run concurrent to be presented to TMWG 4/12/09 for a TMRP approval on the 8/12/09. Works to commence at Lothian road junction 5th January'09 (trial holes).
- 6 week delay to Haymarket programme due to Manor place TM deferment (CEC request).
- SGN and SW diversionary issues related to track realignment at Haymarket resolved. SDS redrafting IFA's for approval by SUC's.
- 100lm of pipe jacking complete on first leg A8 underpass, 1500mm sewer diversion. Completion of the 130lm stretch targeted prior to Xmas shutdown.
- 150lm of 800mm watermain replaced at Gogar depot. Targeting completion of the pipeline by 19th December'08.
- Resource requirements to be assessed by CUS for post embargo period and action accordingly.

Carillion responded by email on 28/11 to the list of quality issues raised by tie. MUDFA management are reviewing their response.

Further reconciliation of anticipated total diversion quantities for project, carried out, based on latest drawings and information resulted in a re-measure of approximately 50,000lm against Carillion reported 52,700lm. Quantity includes 1,000m of abortive works in Section 5C following post IFC issue changes and the 800 Water Main at Gogar. The above quantities take no cognisance of de-scoping in the sections. Analysis of de-scoping will be carried out during the next period. Assessment of variance between respective parties to be carried out similarly within the next period.

2.0 Progress

2.1 Period/Overall progress

	Period 09 (10.11.08 - 07.12.08)			Overall Performance to Date		
	Plan	Actual	Variance	Plan	Actual	Variance
Section 1A	14.3%	0.3%	-14.0%	65.6%	33.6%	-32.0%
Section 1B	2.8%	2.2%	-0.6%	100.0%	97.7%	-2.3%
Section 1C	9.4%	8.1%	-1.3%	78.2%	42.1%	-36.1%
Section 1D	5.1%	4.7%	-0.4%	88.2%	70.5%	-17.7%
On-Street (1A, 1B, 1C, 1D)	8.9%	3.5%	-5.4%	80.3%	56.1%	-24.2%
Section 2A	41.9%	7.4%	-34.5%	100.0%	27.1%	-72.9%
Section 5A	0.0%	0.0%	0.0%	100.0%	100.0%	0.0%
Section 5B	0.0%	1.6%	1.6%	100.0%	100.0%	0.0%
Section 5C	0.0%	5.4%	5.4%	100.0%	94.5%	-5.5%
Section 6A	0.0%	0.0%	0.0%	100.0%	97.4%	-2.6%
Section 7A	10.9%	0.0%	-10.9%	23.8%	0.0%	-23.8%
Off-Street (2A, 5A, 5B, 5C, 6A, 7A)	6.8%	2.2%	-4.6%	75.7%	63.6%	-12.1%
Full Route Phase 1A	8.4%	3.2%	-5.2%	79.3%	57.6%	-21.7%

Section	Commentary
Section 1a Newhaven to Foot of the Walk	<ul style="list-style-type: none"> Proposals agreed with FPA regarding re-sequencing works. IFC's awaited for plates 1-5 and 6-10. SDS progressing with drawings for January/February'09 issue. BTO and SW works continue outside of LOD Queen Charlotte Street TM proposals being designed by Faber Maunsell – likely to be submitted for approval to run concurrent to Baltic Street works
Section 1b Foot of the Walk to McDonald Road	<ul style="list-style-type: none"> Critical works to complete with SGN and BT. Escalating SGN design issue as unable to resolve at PM level. Meeting planned for Monday 1st December Integrated programme being developed with INFRACO with regard to when and where MUDFA and INFRACO contractors can work on Leith Walk 20% (as of 27/11) of BTO diversion work scope signed off and accepted by BTO CUS to carryout CCTV survey all drains to ascertain extent of (if any) blockages and to confirm CUS installed gullies are compliant. Jane Street BTO works delayed until after embargo – works require closure of Jane Street. No further closure of Jane Street required for MUDFA works Structural report of BTO chamber at 113 Leith Walk required from CUS – outstanding. Expected 28/11 Option paper to de-scope 500mm MP crossing at Jane Street/Manderston Street discussed with SGN. Escalation required to resolve.
Section 1c McDonald Road to Princes Street West	<ul style="list-style-type: none"> The Mound, St Andrew Square and York Place worksites and TM cleared for city centre embargo commencing on 28th November 2008 MUDFA/INFRACO programming ongoing with regard to Lothian Road and The Mound Discussions with SGN held regarding The Mound 24th MP

	<p>gas diversions – further meeting scheduled for Monday 8th December to present proposed design</p> <ul style="list-style-type: none"> Unknown underground structure at London Road – structural survey carried out, report and associated recommendations awaited. City Archaeologist informed. Structural integrity under review. Structure impacts both Mudfa and Infracore works.
Section 1d Princes Street West to Haymarket	<ul style="list-style-type: none"> Water mains south side of junction 80% complete awaiting meter by-pass completion. Water mains twin crossing – complete. Final commissioning outstanding. The traffic management arrangements with respect to the retaining wall were agreed and Phase 2 implemented. Track realignment. Proposed solution for gas main and water main discussed both parties – accepted in principle. Solution requires the demolition of ex BT chamber. TM not installed at Manor Place. CEC cancelled late Friday 28th at the request from CEC. Potential 6 week delay to Haymarket works.
Section 2 Haymarket to Roseburn Junction	<ul style="list-style-type: none"> Work commenced on the gas main Scottish Power diversion D/02 on north side of Haymarket Yards commenced TMRP approval is required for the Virgin Media . Proposals to be submitted to TMRP on Monday 1st December 08.
Section 5a Roseburn Junction to Balgreen Road	COMPLETE
Section 5b Balgreen Road to Edinburgh Park Central	<ul style="list-style-type: none"> Utility diversion works complete and BT snagging ongoing. IFC for sewer manholes have been issued to CUS. Work has commenced on a further 2 of the 6 remaining manholes. Utility works complete. Resolution of the proposed sewer diversions design at South Gyle access bridge achieved. Following escalation meeting, SW accept proposal to pile around ex sewer.
Section 5c Edinburgh Park Central to Gogarburn	<ul style="list-style-type: none"> 1500mm Sewer diversion on programme for completion prior to the commencement of Phase 3 of A8 Underpass in February 2009.TOF targeted for 23/2/09. The 450mm Gyle water main has progressed to only 90% complete following problems with the fusion joints. No progress has been made in the period due to the problems with the fusion and coupled joints. BT 24-way progressed as far as possible and restricted only by the SP Wayleave agreement, however, significant section of these diversion require full remedial works which are ongoing. Wayleave for Scottish Power jointing for the 33kV cable diversion remains outstanding.
Section 6 Gogar Depot	<ul style="list-style-type: none"> 800mm Water Main remedial to incorrectly fitted gaskets continues approximately 150lm of the affected 600lm replaced. Thrust block removal critical to programme completion. Revised programme due 5/12/08 to account for thrust block breakout works.
Section 7a Gogarburn to Edinburgh Airport	<ul style="list-style-type: none"> Trial hole works commenced with BAA contractor Works programmed completion tied in with BBA programmed works start of 12/3/09

3.0 Headline Cost Report

3.1 Gap Report and PM Report attached.

COWD YTD

The COWD to date is

	AFP 23	Accrual	Total
MUDFA	£31,076,492	£4,898,080	£35,974,572
Utilities	£10,094,000	£1,000,281	£11,094,281
Total			£47,068.853

Note: As discussed and agreed previously the reported MUDFA works total within the Period 9 reports is £37,579,549 the balance between this and the above £35,974,572 amounting to £1,604,977 is in respect of the previous over accrual which will be neutral by Period 11 report.

The £4,898,080 accrual includes £3.5m in respect of CUS measured works and the £1.398m balance made up from the following additional items which have been included in the AFC in the interim as discussed:

- £90k resource/stakeholder management
- £558k logistics support costs estimated to date
- £750k proposed transfer from INFRACO to MUDFA

3.1.1 AFC

AFC excluding risk has increased by **£1.491k to £53,143,552.**

The £1.491k comprises the following items:

- £90k resource/stakeholder management in addition to the £80k already incorporated in previous AFC,
- £650k logistics support costs
- £750k proposed transfer from INFRACO to MUDFA in addition to the previous transfer allowances

The current AFC is based upon the proposed increased prelims levels and durations amounting to circa 63 CUS posts to complete the works and the claims settlement of £1.2m all as discussed as part of the settlement discussions up to September 2008.

3.1.2 Outturn

The current anticipated outturn cost for the works taking into account the potential risks and opportunities etc is **£57.919m**

3.1.3 Potential Changes/Risk Drawdown

The attached GAP and reconciliation reports details the potential changes and risk draw down items but those varied from last period can be summarised as follows:

Logistical Support Costs Forecast to Complete	£650k
Resource Stakeholder Management	£90k
Proposed transfer from INFRACO	£750k
Total Variance in Period	£1.490m

4.0 Health & Safety

- 0 RIDDORs reported in period 9.
- The AFR for MUDFA at the end of period 8 is 1.34, for 74,875 hours worked.
- The year to date AFR for MUDFA is 0.43.
- From the 18 events reported period 9, 18 are open.
- There was 1* accident, 7 service damages, 4 near misses/unsafe conditions, 5 incidents involving members of the public (MOP) and 1 RTA reported in Period 9 to date.

MUDFA	Total Hours	RIDDOR	Accidents	Incidents	Near Miss	Service Strikes	Total Events	AFR	SFR
Period 8	74,875	0	2*	10	4	7	37	1.34	28.0 4
Year to Date	461,892	2	11	49	33	134	229	0.43	29.0 1
13 period rolling	562,183	2	21	74	37	156	290	0.36	27.7 4

- There were 2 safety tours in the period against 2 planned.
- There were 2 Project Managers/Assistant Project Managers safety inspections in the period against 4 planned.

Safety Alerts/Bulletins

- No Alerts/Bulletins issued this period

Improvements & Initiatives

- Implementation of Interim Completion Certificate and checklist for MUDFA sites.
- Carillion have existing safety/culture programmes such as; Target Zero, Don't Walk By and Awareness, Competence, Compliance and Excellence (AC²E) model philosophy.
- Carillion have initiated a Behaving Safety Programme, this has been briefed to all Carillion staff and also briefed to the tie MUDFA team.
- Utility strike investigation responsibility has been removed from the FLM and will now be completed by the Delivery Managers.
- Confined Space Awareness Training, this training is ongoing, and extended to new operatives.
- Introduction of new suite of quality check sheets (ITP). tie PMs/ APMs and Site Inspectors have been briefed on the new ITP process, tie carrying on with ongoing monitoring on site, to assess effectiveness of this process .
- Carillion have deployed 4 excavators fitted with the Easy Dig System (boom mounted CAT scan). This system will help identify uncharted/ unidentified utilities. Carillion are in discussions with their plant supplier to fit this system to all excavators.

5.0 Risk Management

See attached Risk Register

Risk Review

The risks were reviewed in Period 9 with by the Risk Manager and the MUDFA Commercial Manager. The following amendments were made to existing risks:

Risk Id 164 – *Unknown or abandoned assets or unforeseen/contaminated ground conditions affect scope of MUDFA work.* The capex impact of this risk was reduced to reflect the scope of the works which are now complete. The risk allocation for this item reduced from £3100k to £1548k.

Risk Id 139 – *Uncertainty of utilities location and consequently required diversion work/unforeseen utility services within LoD.* Again, the capex impact of this risk was reduced to reflect the scope of remaining works. The risk allocation for this item reduced from £1337k to £731k.

Risk Id 914 – *SUCs unable to meet design approval/acceptance turnaround time to meet programme.* Over 95% of IFC drawings have been approved by the SUCs therefore the impact of this risk was reduced and the allocation was reduced from £527k to £116k.

There were 3 new risks added in the period:

- Additional cost relating to indexation for programme past July 2008
- Additional Traffic Management and enabling works to meet stakeholder constraints applied post-contract
- Increased scope of utility diversions out with that allowed for in tender and budget allowances

These new risks will be funded from the reduction in the risk allocation of the 3 existing risks.