

## Edinburgh Tram – MUDFA Update

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### Tram Sub Committee

22 March 2010

#### Purpose of report

1. To advise the Tram Sub Committee on the progress to date with the Multi-Utilities Diversion Framework Agreement (MUDFA) contract which was required to move the utility apparatus for the tram project.

#### Main report

- 2 The objective of the MUDFA contract was to appoint a contractor who will act as a single point of responsibility for the construction works associated with the utility diversions for the tram project. This was an innovative approach based upon experience from other tram projects and was designed to avoid the need for future disruption to tram services arising from intrusive utilities related road works.
- 3 On 21 September 2006 the Council approved the appointment of Alfred McAlpine Infrastructure Services (AMIS) as the MUDFA contractor.
- 4 The MUDFA construction work commenced on July 2007 with a planned duration of 70 weeks. The original scope of the works was based upon the information received from individual utility companies, who own and maintain their apparatus, along with surveys undertaken by **tie Ltd**. However, as the works have progressed and the actual size, location and extent of the existing underground equipment was confirmed that has required additional unforeseen works to be complete in many locations.
- 5 During the course of the MUDFA works there was also a take-over of AMIS by Carillion who then took on the responsibilities under the MUDFA contract. These contractual arrangements remained in place until the end of November 2009 when Carillion finished their work package which comprised over 40km of ducting/pipes.
- 6 Agreement on the final account for Carillion remains outstanding and work is ongoing in relation to the final commercial settlement.
- 7 The remaining utilities works are therefore being undertaken by two separate contractors, Clancy Docwra and Farrans.

- 8 The table below provides a comparison between the original planned scope against the actual works undertaken.

<b>Description</b>	<b>Planned</b>	<b>Actual</b>
Chambers	190	295
Pipe/Ducts	27,188m	46,575m

- 9 The amount of the utilities works undertaken represents a significant betterment to the infrastructure in Edinburgh as many of the diverted pipes and cables were very old and were in need of replacement. This benefit should reduce the need for future maintenance and replacement of this infrastructure for decades to come and also provide a faster broadband service in the city. In addition, as a result of this betterment, it is estimated that the utility companies will contribute several million pounds towards the cost of this work. The final settlement with the utilities is currently being concluded.
- 10 The increase in the scope of the utilities works together with the congestion, obstructions and complexity, has resulted in the works taking longer than originally planned. The majority of the utilities works are complete (97%) with the remaining 3% civil engineering construction work being concluded by September 2010. The table below notes the location of the outstanding work, a large part of which is the cabling and transfers that is undertaken by the utility companies directly. This work does not generally require any excavation work to be carried out and therefore should be unlikely to present any significant obstacle to progress on street.

<b>Location</b>	<b>Completion Date (MUDFA) (Civil Engineer Works)</b>	<b>Statutory Utility Work Completion Date (Cabling and Transfers)</b>
Haymarket	April 2010	April 2010
Lothian Road	Complete	Cabling – April 2010
York Place – Annandale Street	April 2010	Cabling and transfers – August 2010
St Andrew Square	Complete	Cabling and transfers – August 2010
Leith Walk	Complete	Cabling and transfers – July 2010
Constitution Street	June 2010	Cabling and transfers – November 2010
Baltic Street	September 2010	Cabling and transfers – November 2010
Lindsay Road – Ocean Drive	May 2010	Cabling and transfers – June 2010

## Financial Implications

- 11 The final account for the MUDFA works is currently being agreed with Carillion. Once the final accounts have been concluded it will be reported to an appropriate Committee of the Council for authorisation.

## Environmental Impact

- 12 There are no adverse environmental impacts arising from this report.

## Equalities Impact

- 13 There are no adverse equalities impacts arising from this report.

## Recommendations

- 14 It is recommended that the Tram Sub Committee notes the progress in the MUDFA works, and that the authorisation of the final accounts will be reported to an appropriate Committee of the Council in due course.



**Dave Anderson**  
Director of City Development

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<b>Appendices</b>	None
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<b>Wards affected</b>	All
<b>Single Outcome Agreement</b>	N/A
<b>Background Papers</b>	A presentation comprising photographs will be presented at the meeting.