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**From:** Tom Hickman  
**Sent:** 24 March 2010 16:28  
**To:** Hazel Kennedy  
**Cc:** Michael Blake; Clare Norman; Michael Jesuarul  
**Subject:** Period Commentry

Hazel,

This is as far as we have got at the moment. Will send an update when information available.

Tom

### *Programme*

- The period 13 forecast is based on BSC report 2-13 received 18Mar10. This shows an OFRS date of 05May2013 which represents a 55 calendar day slippage in the 28 calendar day period.
- **tie's** analysis of the submitted Period 2-12 programme proved to be correct and BSC confirmed with the submission of the Period 2-13 report that there was an error in the programme submitted due to their internal programme calendars not including for the recognised embargoes in 2012 and 2013. The correction of this error combined with the lack of progress has resulted in a 55 calendar day slippage to the Sectional C & D completion dates.
- The delay to Sectional completion A is caused by a direct -28 day slippage in the Depot programme due to the slow progress. **Do we believe that we have lost 28 days in the 28 day period?**
- The -28 day slippage in Sectional completion B is caused by a direct knock-on of lack of progress affecting the completion of the track installation and overhead catenary line in section 7, primarily this delay is caused by track resources working systematically through sections 5c-6-7.
- Sectional Completion C is being driven by the completion of catenary in sections 1A/1C.

### *Proposed Rev 3 Programme*

BSC submitted a revised programme titled Rev 3 Step 3 1<sup>st</sup> Draft to **tie** at cob on Monday 1<sup>st</sup> February 2010. This submission was deemed by BSC to have included their identified mitigation measures and indicated an OFRS date of 5<sup>th</sup> October 2013.

**tie** requested that the Rev 3 Step 3 unmitigated programme be submitted as was the agreement for the 5 step process agreed in late 2009, and pointed out that we would assume that the unmitigated version would have been required first to allow the identified mitigation measure to have been applied to produce the Step 4 programme. The Rev 3 Step 3 unmitigated programme was duly submitted to **tie** on 10<sup>th</sup> February 2010 and indicated an OFRS date of 9<sup>th</sup> April 2014.

A revision entitled Rev 3 Step 4 2<sup>nd</sup> Draft was then submitted on 11<sup>th</sup> February 2010 including further "quick win" mitigation measures and indicated an OFRS date of 9<sup>th</sup> November 2013.

BSC formally submitted and requested acceptance of a Rev 3 Step 4 3<sup>rd</sup> draft programme on 08Mar10 indicating an OFRS date of 12Jan14.

Following a detailed analysis of these submissions supported by Acutus **tie** formally rejected these submissions on 15<sup>th</sup> March 2010 .

BSC continue to deliver the Period programme update electronically but are not meeting the Employers Requirements with regards to submitting a programme complete with resources and/ or man-hours. This will be addressed as part of the agreed process to reach a revised construction Programme where tie and BSC will agree a solution as to how weightings are to be generated and progress is to be measured against the new programme.

- In Period 09 BSC had indicated a commitment to re-commence or commence new works to kick-start the construction programme at the following locations
  - Haymarket Viaduct - start work on 23/11/2009 – works restarted and continue
  - Corridor Haymarket to Russell Road - start work w/c 07/12/2009. Investigative works only. No productive construction works during period 13
  - Edinburgh Park Bridge Ramps - start work w/c 16/11/2009. North approach ramp works ongoing. No progress at South ramp.
  - Corridor Edinburgh Park Bridge to Guided Busway - start work w/c 07/12/2009 (soil strip / drainage). Trail holes have been done by BSC during period 12. Earthworks commenced week 4 of period 12.
  - A8 Underpass – Combined Phase1&2 piling works started. 22 nos piles were done to wc 22/Feb/10. Depot Drainage - works continue,
- Evidence of the required level of progress continues to be slow, although the civil works at Haymarket viaduct appear now to be progressing but this continues to be tempered by the fact that track works from Haymarket to Russell road have yet to commence in any real purpose.
- tie continues to monitor and challenge BSC's failure to mitigate delays and mobilise and is using the topics register to actively track and manage blockers to progress, and have also continued during period 13 submitting clause 65.10 letters where BSC have failed to advise tie of delays that BSC are responsible for.

Population of the Delay Attribution spreadsheets with collective views at the 31Dec09 has been consolidated through the creation of the concurrency gantt charts and continues to be recorded real-time through the use of the Daily Conference Call.

## Programme

- Works progressing at Haymarket viaduct with West abutment and Pier 1 wall base civil works in preparation for completion of bridge piers and superstructure. No works were carried out at the east abutment due to setting out error in the design.
- Works within the City Centre have recommenced with snagging & OLE remedial programme on Princes Street and works at the Crawley Tunnel for Scottish Water.
- Clancy Docwra are working at Haymarket and York Place on the remaining utility works and Cus are working small sites at St Andrews Square & Leith Walk correcting any remaining Telecom defects.
- Utility works continue at Lindsay road and Farrans are progressing works in the Forth port area.
- Building Fixing works to various buildings commenced in Period 12 on Constitution St and is programmed for St Andrews Square.
- McKean's are programmed to commence works in Forth Ports area on the Roundabout on Ocean Drive, Demolition of the Old Britannia Building and tree clearance at Lindsay Road at the end of Period 12.
- Site clearance and earthworks for Trackworks between Haymarket and Roseburn recommenced during Period 12, and trackworks are progressing at the Guided Busway with the outbound track nearing 85% installation.
- Works continues off street on a number of sites inc Russell road retaining wall W4, Edinburgh Park Bridge, Carrick Knowe Bridge, Guided bus way section Track works, and the Depot.
- Areas of concern for programme continue to be:
  - ✓ Late issue of IFC design against the V31 programme
  - ✓ Agreement of a revised contract or construction programme, which with the submission of Rev 3 has not really eased our concerns as there appears to be little desire by BSC to incorporate mitigation ideas or proposals
  - ✓ Infracore Consortium Integrated Design visibility and impact on programme, through introduction of additional IFC requirements.
  - ✓ Redesign requirements for both temporary and permanent works redesign and associated design programme
  - ✓ Late delivery of Utilities On-street programme (Forth Ports, Leith walk, York Place, St Andrew Square and Haymarket)
  - ✓ The impact of resolution of BDDI-IFC commercial issues and their impact on the construction programme
  - ✓ Slow mobilisation

## MUDFA Utility Diversions

Utility works are progressing in York Place and Haymarket and programmes for these areas were received from Clancy Dowcra in Period 11 and agreed with **tie** in period 12. **tie** received an estimate from SDS for Utility design works at Baltic street in Period 12, which **tie** are currently reviewing. Utility work in Picardy Place is pending due to outstanding design information. The required remedial and snagging works in Leith Walk are compounding the delay caused to Infraco as we are unable to commence telecoms re-cabling activities. The delay of telecoms work in St Andrew Square will also delay the commencement of Tram works which are due to commence from Jun.10. Detailed programme reviews continue and a weekly Traffic Management Interface meeting are in place to try to identify opportunities to hand-over part sections of the route to BSC for Infraco works.

#### Leith Walk

Remedial and snagging works continue in Leith walk.

Works to 30-Way telecoms chamber adjacent to the Jane St / Manderson Street junction will be complete in Period 12. BT have commenced 22 week re-cabling programme, after the first 8 weeks of which re-cabling will release the section between ch.100 – 350m. The remaining works will be inaccessible until the completion of the re-cabling works at the end of Jun 2010.

#### York Place to Picardy Place

Utility diversions continue along York Place to Picardy Place with completion including road re-instatement expected April 2010.

This is dependent on the successful solution to the sequencing of Broughton Street and Dublin Street junctions.

Telecoms re-cabling works will continue until August 2010.

#### St. Andrew Square

The section between Waverley bridge and West Register Lane will be available to Infraco from May-10. However, Telecoms cabling works in St Andrews Square are due for completion Nov-10.

#### Haymarket

Utility diversions continue in Haymarket with completion including road re-instatement expected by the end of April 2010.

There is a major TM switch scheduled to take place 27<sup>th</sup> Feb to facilitate the re-opening of Palmerston Place.

Telecoms re-cabling works will continue until Mid June 2010.

#### Non-MUDFA Utility Diversions

Farrans & Clancy Dowcra continue to progress the remaining scoped works in Section 1A which are programmed to be completed by May10.

#### Lindsay Road RW

The works associated with Lindsay Road Retaining Wall continue to programme and will be complete with access available to Infraco from mid March. This will reduce the impact of the delay associated with the Tram construction in this area.

#### Constitution Street

##### Utilities (Baltic Street to Tower Street)

SDS submitted design estimate for utility works at Baltic Street Junction in Period 12 - Tie reviewing. SP diversion works at Academy street will take place early April, delayed from planned start in Period 13 due to Scottish power poor programming. (shown in both MUDFA and Non-Mudfa sections as contract not yet awarded)

#### Side Entry Man-holes

Works to 1010 Man-hole on Constitution St completed in Period 12. Works to the next manhole are under discussion, however, will not be carried out until mid-April due to TM constraints with SP works at Academy Street. The remaining Manholes are dependent on the conclusion of the Baltic Street redesign work.

Regards,

**Tom Hickman**

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