

Deliver a Safe Tram



Project Report – Period 11

5.0 Metrics

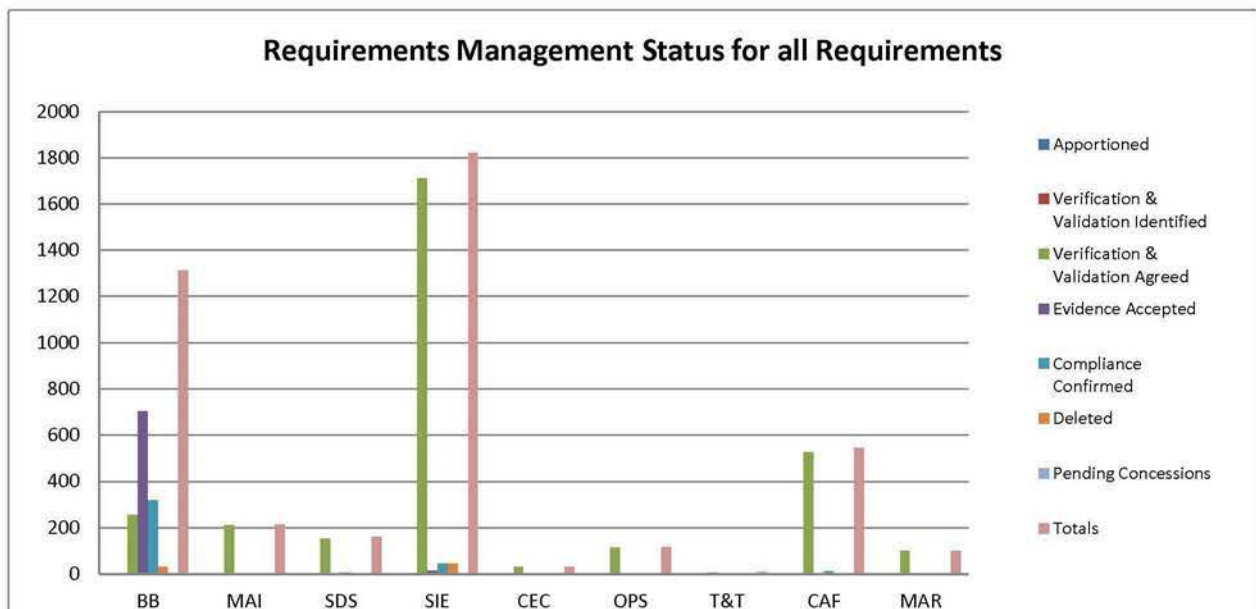
- There was no progress made on the Metrics Inspections this month.

6.0 Requirements Management

Progress

- Review of requirements is currently focusing on requirements associated with Section A handover. Currently 186 out of 435 Section A requirements are deemed 'compliance confirmed' – 43%, discussions are ongoing with BS regarding the remaining Section A requirements.
- In total 390 requirements are now deemed 'compliance confirmed'.
- A house keeping exercise was carried out during the period to ensure all chapters of the employers requirements were fully addressed by an actual requirement, this process took place as a result of concerns relating to items that were assigned as 'prose' when they should have been 'requirements'. As a result 5 requirements were added bringing the total to 4321.
- A meeting was held with all parties on the 22nd January 2013 to discuss the requirements detailed in table 89 and table 90 of the Employers Requirements. It was agreed that the main issues relating to confusion over requirements relate to lighting. B&S are currently detailing proposals that were presented at the meeting, which will be issued to all parties for agreement during the next reporting period.
- A walkround inspection of the depot was carried out with B&S on the 22nd January in order to review a number of requirements which require verification through Process Audit, this walkround resulted in 24 a further 24 requirements being agreed as 'compliance confirmed'.
- A further concession was applied for during the period relating to the removal of the requirement for flush finished concrete within the depot. This is currently being reviewed by TSS and Turner & Townsend commercial.
- The requirements management process is now being controlled by Edinburgh Trams.

Requirements Management Status for all Requirements

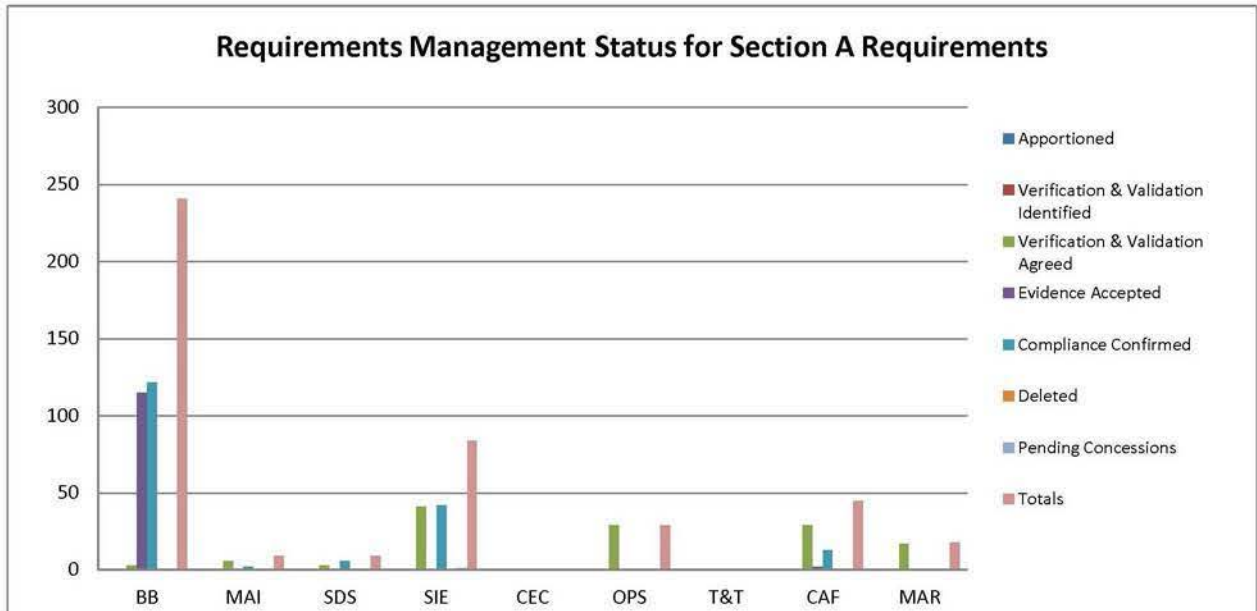


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Requirements Management Status for Section A Requirements



7.0 Deliver a Safe Tram – Required Actions

- Formal report for audit reference TSA/12/03 to be compiled
- Requirements for section A to be progressed to Compliance Confirmed
- Agreement on the revised project roles and responsibilities with respect to SV, testing and commissioning and requirements management is ongoing and is expected to be agreed in the next period.



Agreement Document	Area of Interest	Items to be addressed in Document	Current Status	Current Activities Plan	Risks if not resolved	Action Owner	Action with	Target Date to Close Out
<p>Required to be resolved before operations: Critical for construction between Airport and York Place Not critical for construction or commencement of operations</p>								
3rd Party Consents								
Network Rail - Asset Protection Agreement	Construction	This document governs the design approvals and permits to work controls along the Railway	The existing APA period expired on 30 June 2011. It is requested an extension as is permitted under the Agreement and NR have requested additional funding confirmation, and have indicated they may wish to review the obligations of this agreement. At present the revised APA has not been executed, but access to the site is available to BS.	Revised documentation now issued to NR for acceptance, NR have now responded with comments and revised fee schedule. Signed document now back with Network Rail.	Possible delay risk if NR refuse BS access to the site. To date the Contractor's VVFs have not consistently been submitted to the required standard expected of NR, so the risk remains that NR may seek to revise the APA terms to reflect an Outside Party Role, rather than a Third Party Role. This affords NR greater control over activities on or near the railway network.	Alexander Sim	Network Rail	Jan-13
Substation Wayleaves - Haymarket	Construction	Substation lease agreement between CEC and leaseholder of NR owned land	No physical blockers to the substation construction. Documents now under review by all parties.	CEC to enter into lease drawdowns with NR and then sublease to SP. Working now agreed with SPD.	Potential BSBS design change and delay to construction if not resolved.	Alexander Sim	Scottish Power	Jan-13
Substation Wayleaves - Cathedral Lane	Construction	Standard substation lease agreement	Final if C's issued by BSBS. CEC can now progress substation lease with SPD.	Draft lease agreement now with SPD.	Design delay risk if not resolved.	Alexander Sim	CEC	Jan-13
Network Rail - Bridge Agreement	Operations	Agreement to define responsibilities in relation to the Carrick Knowe and Edinburgh Park Bridges	This agreement is currently on hold. CEC have concerns regarding an unratified indemnities which are implied within the current drafting. CEC have considered progressing communication with ORR to seek advice in this regard. Needs re-engage in the process.	CEC to re-engage with NR, using the TQRBR Bridge Agreement template as a starting position. HBJOW have been approved to provide advice.	CEC cannot operate passenger services without an executed Bridge Agreement (Carrick Knowe and Edinburgh Park)	Alexander Sim	CEC	Aim to move negotiations forward during 2013.
Network Rail - Operating Agreement	Operations	An agreement setting out the areas of communication and responsibilities between the tram operations and the national rail network	This agreement is currently on hold. CEC have concerns regarding an unratified indemnities which are implied within the current drafting. CEC have considered progressing communication with ORR to seek advice in this regard. Needs re-engage in the process.	Action on CEC to re-engage with NR.	LB cannot operate passenger services without an executed Operating Agreement	Alexander Sim	Network Rail	Aim to move negotiations forward during Q1 2013.
Network Rail - EMC and Minimisation approval			Testing and report to be issued on completion.		LB cannot operate passenger services without an Network Rail Approval	Colin Kier	BSB Michael Wilson	Mid 2013
Edinburgh Airport L3 - EMC approval			Testing and report to be issued on completion.		LB cannot operate passenger services without an LAL approval	Colin Kier	BSB Michael Wilson	Mid 2013
Network Rail & First Scot Rail Car Park Compensation Agreements	Compensation	Payment to indemnify FSR and NR against loss of car parking at Haymarket Station Car Park	Within available budget allowances. No of parking spaces affected is agreed with NR and FER.	The matter cannot be completely closed out until BSBS complete the works and the timeline over which compensation applies can be determined. The programme is now 18 months overdue in this area.	No construction risk as this is a compensation matter.	Alexander Sim	CEC	Unknown at this point. Construction programme not agreed/completed.
Network Rail - Servitudes	Land	Various servitude arrangements to be entered into between CEC and NR. These are all agreed and set out in the Framework Agreement.	HBJOW appointed, work can get underway in registering these servitudes.	HBJOW are ready to submit documents to NR - awaiting Robert Little to confirm NR legal advice.	HBJOW have forwarded servitude documents to NR's legal advisor.	Alexander Sim	Network Rail	Mid 2013
Compensation - HIL	Land	Compensation as a result of CPO of land	Negotiations underway between the former landowner and CEC.	CEC have initiated the SAAD process in West Edinburgh.	No project risk as this is a compensation matter.	Alexander Sim	CEC	Unknown - depends on claimant.
HIL - Building Rights	Construction	Modified building rights agreements for 75 Princes St and House of Fraser.	All three agreements have been modified with BSBS consent. Currently with the relevant owners advisors for final review and issue for signature.	Awaiting response from building owners, agreement imminent.	If not resolved, CEC will seek a Sheriff Court decision.	Alexander Sim	CEC	Unknown - depends on claimant.
North Leith Storage Site Lease Extension	Construction	Storage area in Leith Docks for rail - site currently occupied by Siemens	Lease has expired, and CEC seeking extension to end 2013. CEC legal and owner's agent exchanging draft legal drafting in progress.	CEC Legal and the Licensor exchanging drafting at present. No showstoppers envisaged.	CEC Legal discussing some drafting points with Bridge Systems.	Alexander Sim	CEC	Risk of delay to Siemens if not resolved.
Site Sharing Licence at Edinburgh Castle	Operations	This agreement is for a licence to permit the installation of radio equipment on Edinburgh Castle (required by Siemens)	CEC Legal and the Licensor exchanging drafting at present. No showstoppers envisaged.	CEC Legal discussing some drafting points with Bridge Systems.	Risk of delay to Siemens if not resolved.	Alexander Sim	CEC	Close out by mid Jan 2013.
Section 21 Agreements - SW Haymarket	Construction	Scottish Water approval	Review been under take of all sewer crossing along the off street section of the route 2 required.	Draft working for Edinburgh gateway with Scottish water, draft working for Haymarket with Network Rail. Both nearing completion. Systemwide SW to provide a bid for agreement.	Delay to formal approval from Scottish water.	Alexander Sim	SWRR	Mid August 13
Technical Informatives								
3rd Party Consents	Design	Location drawings to be provided.	Comment 4856	Framework Signage has now been agreed, with Clean copy sent to ICP for HMR approval, informative closed December 2012. ORR approval awaited. Comments received from ORR, description required for each sign. Informatives can now be closed.	Final agreement will not be obtained if not resolved.	Robin Goodwin	ICP	Closed
72 Lighting and Bonding Details	Design	Full details of all earthing and bonding requirements that impact on CEC infrastructure needs to be provided for review and approval.	Comment 11244 to be closed Comment 11500 to be closed	Design with BSBS, mock up of lamp column installation to be considered, attention should be given to Princes Street interface. CEC have commissioned informative for E&S consent. Letter required from CEC to close out Lighting element. To close the design, the street lighting details should be completed early 2013. Informatives to be closed, technical issues to be resolved on site.	Construction delay risk if not resolved.	Robin Goodwin	BSB Michael Wilson	Closed
Other Approvals								
Notification of Development By Laws	Construction	Letter to be issued to third party	Notice required for New Ingestion	Notice of completion to be provided to CEC planning, by CEC following section B completion.	None	Andy Conroy	CEC bus M & C/Fairly	Apr-13
By Laws	Operations	System wide	Document currently being drafted.	Bye laws to be agreed, and submitted to Council meeting in November 2012. Bye Laws agreed at CEC meeting now with M	Operational running	Andy Conroy	CEC bus M & C/Fairly	Mar-13
Legal Agreements								
Program Software Escrow Agreement	Clause 10.1.18	Within 30 days of accepting the program that infraCo will provide under the infraCo Contract, infraCo must place the source code in escrow with the NCC (Close of Manchester Technology for	TO BE SIGNED WITHIN 30 DAYS OF THE ACCEPTING THE INFRACO SOFTWARE - Siemens are to clarify these position	Siemens to provide details of agreement. By April 12. Draft due at the end of October 2012.		CEC, infraCo and escrow provider.	Patrick Gouy	Jul-14
ISA Reliability Bond	On the certification of the twenty seventh certificate of Train Compensation CAF must provide a reliability bond for 5% of the Aggregate Train Price (approx £2,798,000,000)	Clause 44.3 and part A of Schedule 10	NA/CEC	With rider to be delivered to CEC before 20th November 2012, until date agreed at Market according to BSBS programme review 15.05.13, rider to an earlier date shall be agreed. Bond Now received until 19th May 2013	THE BOND SHOULD BE PROVIDED ON THE ISSUE OF THE TWENTY SEVENTH CERTIFICATE OF TRAIN COMPENSATION	CEC, CAF and escrow provider.	Alexandro Urtica	May-13
ISA Trans Supplier Collateral Warranty	A collateral warranty to be granted by the Trans Supplier to the CEC, Transport Scotland, TEL and any other reasonably party at the request of the Client.	Clause 44.5	CAF, BS/CEC, Transport Scotland, TEL and any other parties receiving the collateral warranty	Contractual document signed by CAF on may 2008	STATUS OF THE COLLATERAL WARRANTIES TO BE CONFIRMED BY CEC/TET	CEC, CAF and escrow provider.	CEC	Feb-13
ISA Escrow Agreement	Within 30 days of accepting software provided by CAF under the TSA, CAF must place the source code in escrow with the NCC (Close of Manchester Technology for another escrow agent). He is required to enter into a standard escrow agreement for the escrow services. All costs will be met by the client.	Clause 41.19.3 and Schedule 9	CAF, BS/CEC and NCC	Positive feedback from Acta and Kope. Awaiting answer from Sapsa. If E & F already and signed.	TO BE SIGNED WITHIN 30 DAYS OF THE ACCEPTING SOFTWARE FROM CAF. SEE PREVIOUS NOTE ON THIS ISSUE RELATIVE TO THE INFRACO CONTRACT.	CEC, CAF and escrow provider.	CAF	Feb-13
ISA Sub-Contractor Direct Agreement	Specification (see the Train Employer's Requirements) indicates that a Sub-Contractor Direct Agreement is required, the CAF must obtain a Sub-Contract Direct	Clause 69.6 and Schedule 19	Sub-Contractor, BS/CEC and CAF	CAF awaits an answer to e-mail dated 11 June 2012 with the proposal given by Kiepe, in order to proceed with outstanding agreements (Giese, Sopran, and IPE). Comments returned to CAF	DEPENDENT ON SUB-CONTRACTING ARRANGEMENTS. T&T TO CONFIRM WHAT IS SPECIFIED IN THE TRAM EMPLOYER'S REQUIREMENTS.	CEC, CAF and escrow provider.	CEC	Feb-13
TMA Performance Bond	In the event that any part of the TMA is assigned, novated or otherwise transferred by the contractor after the date of commencement of the operation of the tram by Transfer (see Train Employer's Requirement)	Clause 45.1 and part 1 of Schedule 23	NA	Not applicable to be checked	ONGOING OBLIGATION. DEPENDENT ON RELEVANT ASSIGNMENT OCCURRING. THE CEC TO NOTE IN THE CONTEXT OF POTENTIAL FUTURE INVOLVEMENT OF THE OPERATOR.	CEC, CAF and escrow provider.	CEC	Feb-13
TMA Trans Supplier Collateral Warranty	Collateral warranties to be granted at the be is required by CAF in favour of CEC, Transport Scotland, TEL and any other party reasonably requested by the client.	46.4 and part 2 of Schedule 23	CAF, BS/CEC, Transport Scotland, TEL and any other parties receiving the collateral warranty	Contractual document signed by CAF on may 2008	STATUS OF THE COLLATERAL WARRANTIES TO BE CONFIRMED BY CEC/TET	CEC, CAF and escrow provider.	CEC	Jul-14
TMA Escrow Agreement	Within 30 days of accepting software provided by CAF under the TSA, CAF must place the source code in escrow with the NCC (Close of Manchester Technology for another escrow agent). He is required to enter into a standard escrow agreement for the escrow services. All costs will be met by the client.	Clause 50.21 and Schedule 8 (of the Train Supply Agreement)	CAF, BS/CEC and NCC	See TSA	TO BE SIGNED WITHIN 30 DAYS OF THE ACCEPTING SOFTWARE FROM CAF. SEE PREVIOUS NOTE ON THIS ISSUE RELATIVE TO THE INFRACO CONTRACT.	CEC, CAF and escrow provider.	Alexandro Urtica	Jul-14
TMA Sub-Contract Direct Agreement	Specification (see the Train Employer's Requirements) indicates that a Sub-Contractor Direct Agreement is required, the CAF must	Clause 57.6 and Schedule 6	Sub-Contractor, BS/CEC and CAF	See TSA	DEPENDENT ON SUB-CONTRACTING ARRANGEMENTS. T&T TO CONFIRM WHAT IS SPECIFIED IN THE TRAM EMPLOYER'S REQUIREMENTS.	CEC, CAF and escrow provider.	CEC	Feb-13

Appendix 3 – Cost Report

Section 1 - Project Summary

	Budget Information			Committed			Forecast					Third Party Contributions		Variance		Actuals	
	A	B	C = A + B	D	E	F = D + E	G	H	I	J	K = F + G + H + I + J	L	M = K - L	N = M - C	O = M / C - 1	P	Q
	Original Budget	Budget Variation	Current Budget	Original Contract Value	Approved Contract Changes	Current Contract Value	Changes in Progress	Anticipated Change	Opportunities	Risk / Mitigated	Anticipated Final Cost	Estimated Contribution Value	Anticipated Final Project Cost	Budget Variance (Value)	Budget Variance (%)	COWD to Date	Outstanding Amount
Edinburgh Tram Programme	500,154	0	500,154	479,660	24,785	504,445	4,665	4,014	0	3,545	516,669	-7,931	508,738	8,584	2%	453,518	50,927
1 Infraco - Off Street	360,060	6,725	366,785	362,501	6,725	369,226	5,671	230	0	0	375,127	-5,812	369,315	2,530	1%	342,372	26,854
2 Infraco - On Street	38,817	3,064	41,881	47,384	3,064	50,448	-1,041	248	0	0	49,655	-1,631	48,024	6,143	15%	29,793	20,655
3 Infraco - Other	3,218	0	3,218	3,218	0	3,218	0	0	0	0	3,218	0	3,218	0	0%	679	2,539
2.1 York Place Direct Works	0	0	0		1,015	1,015		325			1,340		1,340	1,340		1,300	-285
4.1 Utilities (Post Mediation)	1,812	13,665	15,477	1,812	13,665	15,477	0	2,011	0	0	17,488	-188	17,300	1,823	12%	16,108	-631
4.2 Legacy Utilities (Revised Tram Route)	0	1,411	1,411	0	1,411	1,411	0	0	0	0	1,411	0	1,411	0	0%	1,383	28
4.3 Legacy Utilities (Leith Walk)	1,100	-1,100	0	1,100	-1,100	0	0	900	0	0	900	0	900	900		90	-90
5 Tram vehicles	62,400	5	62,405	63,645	5	63,650	35	300	0	0	63,985	-300	63,685	1,280	2%	61,793	1,857
6 Project Management (refer to CEC Report)		0	0			0					0		0	0			
7 Preparing for Operations (refer to CEC Report)		0	0			0					0		0	0			
8 Specified Risk Allowance	32,747	-23,770	8,977	0	0	0	0			3,545	3,545		3,545	-5,432	-61%	0	0

Comments:
Report excludes Enabling work packages reported under T19 and utilities reported under T18
Contributions include amounts relevant to reported budgets only. Any further contributions are reported by CEC.
Includes changes issued to 15/9/12

Risk:
No allowance included for ex-contract payments

Actions
Ongoing risk mitigation of major risks.
Realisation of opportunities associated with specification reductions (road surfacing) and time (York Place)

Infracost Report Section 1 - Commercial Summary

	Budget Information			Committed			Forecast					Third Party Contributions		Variance		Actuals	
	A	B	C = A + B	D	E	F = D + E	G	H	I	J	K = F + G + H + I + J	L	M = K - L	N = M - C	O = M / C - 1	P	Q
	Original Budget	Budget Variation	Current Budget	Original Contract Value	Approved Contract Changes	Current Contract Value	Changes in Progress	Anticipated Change	Opportunities	Risk / Provision	Anticipated Final Cost	Estimated Contribution Value	Anticipated Final Project Cost	Budget Variance (Value)	Budget Variance (%)	COWD to Date	Outstanding Amount
Infracost Contract	402,095	9,789	411,884	413,103	9,789	422,892	4,630	478	0	0	428,000	-7,443	420,557	8,673	3.91%	372,844	50,048
Off Street	360,060	6,725	366,785	362,501	6,725	369,226	5,671	230	0	0	375,127	-5,812	369,315	2,530	2.27%	342,372	26,854
00 Preliminaries and Other Items	150,408	6,336	156,744	150,409	6,336	156,745	5,324	0	0		162,069	0	162,069	5,325	3.40%	134,886	21,859
01 Newhaven Road to Haymarket	85,368	-3,136	82,232	87,738	-3,136	84,602	126	0	0		84,728	-318	84,410	2,178	3.04%	88,049	-3,447
02 Haymarket Corridor	8,692	-10	8,682	8,692	-10	8,682	117	0	0		8,799	-13	8,786	104	1.35%	8,288	394
05 Roseburn Junction to Gogar	80,035	3,395	83,430	80,105	3,395	83,500	103	230	0		83,833	-4,381	79,452	-3,978	0.48%	76,480	7,020
06 Depot	19,979	345	20,324	19,979	345	20,324	-2	0	0		20,322	0	20,322	-2	-0.01%	19,276	1,048
07 Gogar to Edinburgh Airport	15,578	-205	15,373	15,578	-205	15,373	3	0	0		15,376	-1,100	14,276	-1,097	0.02%	15,393	-20
On Street	38,817	3,064	41,881	47,384	3,064	50,448	-1,041	248	0	0	49,655	-1,631	48,024	6,143	18.56%	29,793	20,655
00 Preliminaries and Other Items	21,837	95	21,932	21,837	95	21,932	0	0	0		21,932	0	21,932	0	0.00%	11,971	9,961
01 Newhaven Road to Haymarket	16,980	2,969	19,949	25,547	2,969	28,516	-1,041	248	0		27,723	-1,631	26,092	6,143	38.97%	17,822	10,694
Other	3,218	0	3,218	3,218	0	3,218	0	0	0	0	3,218	0	3,218	0	0.00%	679	2,539
00 Maintenance & Mobilisation	2,205	0	2,205	2,205	0	2,205	0	0	0		2,205	0	2,205	0	0.00%	679	1,526
00 Spare Parts	1,013	0	1,013	1,013	0	1,013	0	0	0		1,013	0	1,013	0	0.00%	0	1,013

Comments:

Summary sheet values in £k. All other sheet values in £.
 Opportunities include for time saving based on current QSRA.
 Excludes £3.2m phase 1b payment (refer to budget T19.C)

Risk

Refer to Risk register for risks identified against infracost programme
 All risk is held at programme level. This section of the cost report makes no allowance for risk.
 Refer to the outputs of the QCRA/QSRA for further information on risk.

Actions

Infracost Report Section 2A - Approved Change - Clause 80

TNC No.	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
501	Hawthornevale Cycle Link - Change the design to widen the footway alongside the south side of Lindsay Road	20,021	20,021	0		01	01
502	Amend the design of Ocean Drive to reinstate the footpath to the north of Ocean Drive	10,231	10,231	0		01	01
503	OLE temporary portals at depot access bridge to allow finalisation without Edinburgh Gateway	67,646	67,646	0	Edinburgh Gateway funding	05	01
504	Review of the banned right turn into Blenheim Place as part of the design for Section 1C2 roads	46,247	46,247	0		01	01
505	York Place Terminal Point - Production of a feasibility report, initial feasibility design for option ii), run time modelling etc	228,653	228,653	0		01	01
506	Design for providing a new cycleway from the Mound to Princes Street	9,437	9,437	0		01	01
506.1	Design for providing a new cycleway from the Mound to Princes Street	1,669	1,669	0		01	01
507	Provide a clarification report and completion of the St. Andrew's Square Public Realm design	135,143	134,947	197	Included within contributions	01	01
508	Obtain EAL approval for the highways design drawings at Eastfield Avenue tram crossing	10,025	10,025	0		07	01
509	Design of Cathedral Lane Substation	233,596	233,596	0		01	01
511	Storm Water Connection from Gogar Lodge to the landowners new septic tank	5,750	5,750	0		05	01
512	Re-design of Ocean Terminal Bypass Road	53,685	53,685	0		01	01
513	Revised design to minimise utility diversions / conflicts - used for slit trenching and trial holes	156,870	156,870	0		01	02
514	Utility Mapping	92,756	92,756	0	Time chargeable costs. L&M Surveys and Class One. Complete	01	02
516	Additional Water main requirement at Depot and Mini Test Track	51,282	51,282	0		06	01
517	Additional BT Ducts at Depot and Mini Test Track	2,996	2,996	0		06	01
520	Valve chamber access and alteration works to 800mm water main at the Depot	105,326	105,326	0		06	01
524	Airport to Gyle - NIL Design Finalisation (also includes Construction)	-40,559	-40,559	0		07	01
526	Airport to Gyle - Tram Delivery Temporary Works	6,878	6,878	0		07	01
529	Design Gogar Castle Access Road tram crossing and approaches	31,308	31,308	0		05	01

Infracost Report Section 2A - Approved Change - Clause 80

TNC No.	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
530	Amend the design of the Depot Road turning head as per RDC191. Option 2	30,458	30,458	0		06	01
531	Edinburgh Gateway - Advance Temporary Works design	9,349	9,349	0		05	01
534	SP Insurance Ducts - Install Insurance ducts at various locations	5,637	5,637	0		07	01
536	System Wide - Tramstop Cabinets - reduction in 10 years maintenance liability	0	0	0	No saving to contract	01	01
538	Depot - Tramwash Continuous Mode - Requirement for additional hand lances washers	0	0	0	Change rejected - included within contract	06	01
539	System Wide - Delay in signing - impact on commencement and completion - costs incurred at front end of programme	1,639,237	1,397,409	241,827	Amount relates to costs incurred by BBS due to delay in contract signing for early mobilisation. T&T have requested further evidence of these costs. However, BBS have refused to provide any further information.	00	04
540	Section 7 - Plot 304 - Omit Landscaping works	-201,120	-201,120	0		07	01
541	Princes Street - City Chamber - Annandale Street Communication Links. Usage of CEC available BT-Lines to avoid provision of direct FO link from Princes Street to City Chambers	180,000	180,000	0	Off and on street combined under Clause 80. Returned estimate £165,642.28. However, this excludes spares which need to be added	01	01
544	Extension to Edinburgh Park Office to accommodate CEC / Transport Scotland	159,900	159,900	0		00	01
546	Increased number of drainage boxes including installation	21,482	21,482	0		00	02
550	Shandwick Place OLE & Landscape Design Revision	0	0	0	Design costs to be grouped under tnc 562 (BBS PMC 045)	01	01
553	SDS to provide the services of Matt Fell until August 2012	153,000	145,000	8,000		00	02
555	Haymarket - OLE 196B design revision to avoid main sewer	0	0	0	Design costs to be grouped under tnc 562 (BBS PMC 045)	01	02
557	Haymarket 1 - OLE Base Relocations (Design mods)	0	0	0	Design costs to be grouped under tnc 562 (BBS PMC 045)	01	02
558	Site Wide - Provision of a CAD Technician	1,693	1,693	0		01	02
559	Detailed Design of York Place	56,438	56,438	0	tnc issued - awaiting BBS estimate	01	01
561	Omit all works at the Forth Ports area	-2,443,000	-2,443,000	0	Work deleted from scope.	01	01

Infracost Report Section 2A - Approved Change - Clause 80

TNC No.	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
562	On Street Generally - OLE Design Changes for On Street Section (PMC 045) - SIEMENS DESIGN WORKS	155,000	160,000	-5,000	Includes original tnc 550, 555, 563	01	02
563	On Street - Amend pile caps from square / rectangular to circular	0	0	0	Design costs to be grouped under tnc 562 (BBS PMC 045)	01	02
565	Advanced design works for Edinburgh Gateway Minimum Option	2,599	2,599	0		05	01
565.1	Advanced design works for Edinburgh Gateway Minimum Option	3,350	3,350	0		05	01
566	On Street Generally - Ducting Design Changes Due to Utilities Conflicts	70,000	60,000	10,000		00	02
567	On Street Generally - Drainage Design Changes Due to Utilities Conflicts	155,000	125,000	30,000		00	02
568	On Street Generally - Trackform Design Changes Due to Utilities Conflicts	40,000	30,000	10,000		00	02
569	Additional Running Costs associated with the extension to the Edinburgh Park offices	79,200	79,200	0		00	01
571	Hope Street Junction Design	22,061	22,061	0		01	01
572	Cathedral Lane Substation - Retaining Wall Design	34,459	34,459	0		01	01
574	Haymarket Station - Delete viaduct cladding	-5,571	-5,571	0		02	01
576	Depot - Reinstatement to 250mm Water main Remedial Works	36,788	36,788	0		07	01
577	Haymarket Viaduct - Deletion of Sub Station Retaining Wall and Plinth	-4,608	-4,608	0		02	01
578	SI Provisional Sum Allowance	-57,984	-57,984	0		01	02
580	Cancellation of trackwork materials York Place to Newhaven	-1,100,000	-1,100,000	0	Change resulting from value engineering exercise	01	02
581	Omit Siemens work to Tower Place and Victoria Dock bridges	-100,000	-100,000	0	Change resulting from value engineering exercise	01	02
582	Delete proposed cladding installation costs on Roseburn Viaduct Structures	-308,004	-308,004	0	Change resulting from value engineering exercise	05	01
585	Descope of Service Vehicle	-21,565	-21,565	0		00	01
586	St Andrew Square - tie in detail	15,228	15,228	0	Change resulting from value engineering exercise	01	01
587	Revise design for amendments to setts areas and specification	15,512	15,512	0	Subject to separate CEC budget	01	01

Infracost Report Section 2A - Approved Change - Clause 80

TNC No.	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
589	Descoping airport tramstop kiosk and canopy	-150,000	-150,000	0		07	01
591	Diversion of Scottish Power Cable at Haymarket Viaduct	19,842	21,789	-1,947	NR contribution	05	01
593	Secondary Phase 1a - Cessation of Design Work North of York Place	0	0	0	Saving opportunity being investigated in relation to future ownership of design etc prior to finalising value.	01	01
594	Edinburgh Gateway slope option - design costs	0	0	0	Costs included in tNC 643	05	01
595	Haymarket Viaduct - Deletion of fitting out of Crew Relief Facility	-74,001	-74,001	0		05	01
597	Section 1D - Omit disconnection of Bus Tracker	-14,928	-14,928	0		01	01
601	Clarification on length of shelter to RBS tram stop (8m)	27,863	27,863	0		05	01
602	Omit purchase of poles for PIDs North of York Place	-23,740	-23,740	0		01	01
603	Bus Tracker Interface Specification	11,535	11,535	0	Cost based on option 2	01	01
605	Depot - Sub-Station Switching	81,250	80,000	1,250	Includes allowance up to Section B completion date (8/3/13)	06	03
607	Delete 110v sockets on On Street Tram Stops	-6,154	-6,154	0		01	01
608	Delete 110v sockets on Off Street Tram Stops	-36,851	-36,851	0		05	01
609	Traffic Management provision in section 1A	133,140	133,140	0		01	03
610	Edinburgh Gateway - Siemens Long Lead Items	0	0	0	Costs included in tNC 643	05	01
615	Haymarket Viaduct - design wall for blocking off void under the bridge deck as a result of the crew relief facility being omitted	1,900	1,900	0		05	01
616	Haymarket Viaduct - construct wall for blocking off void under the bridge deck as a result of the crew relief facility being omitted	10,798	10,798	0		05	01
617	Tram stops branding changes. Requirement for etched glass to be confirmed	0	0	0	Value TBC	05	01
618	Gogar Depot 1800 mm Diameter Manhole - TQ736	6,176	6,176	0		06	01
619	Omit Track Welding Equipment	-14,420	-14,420	0		06	01

Infracost Report Section 2A - Approved Change - Clause 80

TNC No.	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
620	Airport Tram Stop Design	17,784	17,784	0		05	01
621	Amend the dates of the HV meter installation at substations	12,507	12,507	0		05	01
622	LV power for sub-station and Tramstop.	-1,000	-1,000	0	Power bills paid by CEC to be recovered from Infracost	05	01
623	Repair minor damage to Depot (Intercom, fence panel and broken slabs)	1,867	1,867	0		07	01
624	Compressed Air Supply to Depot Gantry Road and workshop	4,646	5,576	-930		07	01
627	Delete pedestrian guardrail in the area outside St John's Church (Design)	0	0	0	No costs related to tNC	01	01
632	Resolve Depot Building water ingress	0	0	0	Assumed to be BBS liability	06	01
636	Twin Crossing at Lochside Avenue	37,152	37,152	0	Includes abortive cost of work carried out to date. Full forecast £140k as assumed work will no longer be carried out.	05	01
640	Unimog Insurance	-1,000	-1,000	0		00	01
643	Edinburgh Gateway Construction	3,416,010	3,416,010	0	Construction costs; excludes fees and OLE Poles (refer to tNC 594 & 610). Excludes any contingency which is reported separately by Transport Scotland	05	01
647	Design work to support VE on carriageway reconstruction & kerb realignment	50,000	50,000	0		01	01
648	Cabinet Position For Street Lighting - design	10,000	10,000	0	Provision of as-built drawings	01	01
652	Maintenance of The Depot Workshop Equipment	49,633	49,633	0		06	01
653	Provision of IFC Drawings in DWG CAD format	4,924	4,924	0		01	01
655	Revise CCTV & PA coverage at Murrayfield tram stop	19,975	38,158	-18,183		05	01
657	Drainage As Built Drawings - Princes Street	3,271	3,271	0		00	01
662	Eastfield Avenue Topographical Survey	2,587	2,587	0		07	01
663	Heras fencing at depot	6,424	6,424	0		06	01

Infraco Cost Report Section 2A - Approved Change - Clause 80

TNC No.	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
664	Gogar Castle Access Road - Additional High Friction Surfacing	3,186	3,186	0	Requirements being investigated	07	01
666	Pedestrian gate next to the vehicle access gate at the ScotRail Depot.	4,906	4,906	0		05	01
667	Call off service to respond to Network Rail TQs and interface issues	20,000	20,000	0		05	01
668	De-scoping of Infraco works in York Place to be undertaken direct by Crummock.	-1,015,156	-1,015,156	0		01	01
669	SGN Remedial Works - backfill at New Ingliston Land	16,064	16,064	0		07	03
670	SDS Response to Road Safety Audit for Princes St	1,611	1,611	0		01	01
671	ScotRail car park security fence	10,000	10,000	0	Contribution from ScotRail to be reviewed	05	01
672	Amend drainage drawings to incorporate changes introduced through redesign process	21,000	15,000	6,000	Not to be provided by Infraco	06	01
673	Cancel order for OLE poles required for Secondary Phase 1a	-41,789	-41,789	0		01	01
674	Topographical survey at Eastfield avenue - DESIGN	0	0	0		07	01
679	Works to prevent water stagnation at Depot (L8 Compliance)	0	0	0		06	01
683	Carry out trial holes to locate 125mm diameter pipe at Depot	3,348	5,000	-1,652		06	01
684	Repair works to utility trough cover slabs damaged by tram deliveries	938	938	0	Potential opportunity to recharge to CAF contract	06	01
685	Provide technical information on Lindsay Road works	7,681	7,681	0		01	01
689	CAD resource and engineering support to revise drawings to show the layout required for Road Sign Bases, Street Light Columns, Traffic Signal Poles, Ducting and Chambers to avoid utilities	106,000	50,000	56,000		01	01
690	Remedial work to repair West Shunt line at Haymarket Depot	76,413	76,413	0		05	01
691	Cathedral Lane re-design	48,000	35,000	13,000		01	01
694	Traffic Light de-scope to West St Andrew St	-189,460	-189,460	0		01	01
695	Tanker Access Edinburgh Airport	2,500	2,500	0		07	01

Infracost Report Section 2A - Approved Change - Clause 80

TNC No.	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
701	Reinstatement works at the Airport	23,500	20,000	3,500		07	01
702	Eastfield Avenue Pedestrian Crossing	49,123	24,562	24,562		07	01
703	Repair Switch Rail at Depot	831	831	0		06	01
704	Redesign of St Andrew Square - East	15,000	15,000	0		01	01
705	Re-design works due to NWR fence encroaching into the LoD	13,669	13,669	0		05	01
708	RailCom Software Interface	0	0	0	No cost impact	00	01
709	ScotRail Car park landscaping	0	0	0	No cost impact	05	01
711	Delete fence at Murrayfield tramstop and installation of fence at Royal Mail and ScotRail car park.	0	0	0	nil cost impact forecast - to be agreed with BBS	05	01
712	New fence and ramp at Murrayfield Wanderers FC	34,762	34,762	0		05	01
717	Cost Engineering in respect of the Programme (22 week saving)	4,037,382	3,768,223	269,159	Instructed by CEC. Refer to T&T letter dated 31/10/2012	00	01
719	Clarification of requirements for installation of fare collection equipment	13,710	0	13,710		05	01
721	Installation of section isolators on the MTT.	23,519	29,825	-6,306		07	01
724	Murrayfield SW pipe - provide design calculations	0	0	0		05	01
725	Provision of DWG drainage drawings for handover to Scottish Water	1,280	1,000	280		05	01
726	Remove Murrayfield Thistle	-6,120	-10,000	3,880		05	01
731	Murrayfield SW pipe - provide CAD drawing to allow McNicolas to mark up the position on the sewer	120	0	120		05	01
737	Lower BT chambers at South Gyle to sit flush with ground level	-37,870	0	-37,870		05	01
Total		6,724,837	6,105,241	619,596			

Edinburgh Trams
City of Edinburgh Council



Reporting Period: 12-11 - Rev 0 - 02/02/2013

Page 9 of 27

Infraco Cost Report Section 2B - Approved Change - Schedule 45

IC Ref No	Description	Agreed Amount	Previous Period	Change from Previous Period	Notes	Section Code
001	Independent Certifiers Schedule Part 45 Period End Change Order to 15/10/2011	8,593	8,593	0	Includes TNC 513, TNC 543, TNC 521	01
002	Independent Certifiers Schedule Part 45 Period End Change Order to 12/11/2011	102,135	102,135	0	Includes TNC513, TNC 521, TNC 528, TNC 535, TNC 543, TNC 547, TNC 548, TNC 549	01
003	Independent Certifiers Schedule Part 45 Period End Change Order to 10/12/2011	357,140	357,140	0	Includes TNC535, TNC543, TNC548, TNC549, TNC551	01
004	Independent Certifiers Schedule Part 45 Period End Change Order to 6/1/2012	158,870	158,870	0	Includes TNC535, TNC543	01
005	Independent Certifiers Schedule Part 45 Period End Change Order to 4/2/2012	332,812	332,812	0	Includes TNC535, 543, 551, 554, 596, 598	01
006	Independent Certifiers Schedule Part 45 Period End Change Order to 3/3/2012	244,645	244,645	0	Includes TNC543, 547, 554, 600, 604, 606	01
007	Independent Certifiers Schedule Part 45 Period End Change Order to 31/3/2012	209,363	209,363	0	Includes TNC 543, 547, 554, 600, 604, 606, 629, 630	01
008	Independent Certifiers Schedule Part 45 Period End Change Order to 28/4/2012	235,258	235,258	0	Includes TNC 543, 554, 590, 596, 600, 604, 606, 629, 630, 631	01
009	Independent Certifiers Schedule Part 45 Period End Change Order to 26/5/2012	-33,988	-33,988	0	Includes TNC 543, 547, 549, 554, 570, 584, 590, 596, 600, 604, 606, 629, 630, 635, 645	01
010	Independent Certifiers Schedule Part 45 Period End Change Order to 23/6/2012	286,757	286,757	0	Includes TNC 547, 549, 554, 596, 599, 600, 606, 613, 629, 630, 635, 637, 639, 645	01
011	Independent Certifiers Schedule Part 45 Period End Change Order to 21/7/2012	169,141	169,141	0	Includes TNC 543, 547, 554, 583, 600, 606, 629, 630, 635, 639, 645	01
012	Independent Certifiers Schedule Part 45 Period End Change Order to 18/8/2012	129,875	129,875	0	Includes TNC 547, 554, 600, 606, 639, 645, 698	01
013	Independent Certifiers Schedule Part 45 Period End Change Order to 15/9/2012	286,456	286,456	0	Includes tNC 554, 584, 596, 599, 600, 606, 639, 641, 645, 693	01
014	Independent Certifiers Schedule Part 45 Period End Change Order to 13/10/2012	111,120	111,120	0	Includes tNC 543, 554, 584, 596, 599, 600, 604, 606, 639, 641, 681, 693	01
015	Independent Certifiers Schedule Part 45 Period End Change Order to 10/11/2012	195,887	195,887	0	Includes tNC 543, 547, 554, 564, 583, 584, 599, 600, 606, 637, 639, 641, 665, 678, 680, 682, 687, 693	01
016	Independent Certifiers Schedule Part 45 Period End Change Order to 8/12/2012	269,773	0	269,773	Includes TNC 543, 554, 583, 584, 599, 606, 629, 639, 641, 665, 678, 682, 687, 693, 700, 735	01
		0				
Total		3,063,836	2,794,063	269,773		

Infraco Cost Report Section 3A - Change in Progress - Clause 80

TNC No.	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
525	Airport to Gyle - Site Access for Remedial Works	0	0	0	all costs associated with this change allocated to TNC 576	07	01
527	Ingliston - Reimbursement of Costs paid directly to SGN for the diversion of approximately 120m of 10" steel IP gas main to accommodate the new Edinburgh Tram at Ingliston	0	0	0	Saving from Infraco, not included during the period as cost not shown in utility budget	07	01
539.1	System Wide - Delay in signing - impact on commencement and completion - prolongation costs at end of programme	2,901,924	3,143,752	-241,827	Amount relates to delay at end of Rev 3c programme.	00	04
556	Track Work Materials York Place to Newhaven - Price Fixing for Rheda City C and D	0	0	0	Included in VE register	01	01
573	Roseburn Delta - Non DDA Compliant Footpath	0	0	0	Item mitigated resulting in zero cost.	05	01
575	Haymarket Station - Take Down Viaduct Staircase and Parapet. TNC now withdrawn - Network Rail carrying out work	0	0	0	Work to be carried out by Network Rail	02	01
592	Haymarket Yards - Realign kerbs at Car Park Entrance	0	0	0	Currently on hold pending A. Sim review.	05	01
625	Engineering attendance on site at Cathedral Lane.	0	0	0	All costs captured against tNC 566	01	01
626	Advanced procurement of Edinburgh Gateway Materials and Equipment.	0	0	0	Costs included in tNC 643	05	01
628	Prepare MUDFA As Built drawings	125,000	100,000	25,000	Requirements to be confirmed	01	01
649	Princes Street Blister - Design Works	0	0	0	No cost impact	01	01
651	Defer Off Street Tramstop Shelter Installation and Fit-out	50,000	50,000	0		05	01
661	Blank off signage to Depot	10,000	10,000	0	On hold - may not be required	05	01
675	Remove concrete around the water meter at the ScotRail Depot.	12,507	12,507	0		05	01
676	Design associated with work to Lord Bodo's Bar	0	0	0	BBS confirmed that the design work associated with this has been incorporated into PMC46 (tNC566). (25.1.201/SN/9826)	01	01
696	SGN as Builts for New Ingliston Limited	3,414	3,000	414		07	01
710	Gogar Depot - Repair areas of damaged flooring	3,000	3,000	0		06	01
713	Haymarket - construction works outwith LOD	117,347	117,347	0		02	01
714	Edinburgh Park Central - Amend design to utilise CEC control panel	10,000	10,000	0		05	01

Infraco Cost Report Section 3A - Change in Progress - Clause 80

TNC No.	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
715	Amend cladding on Edinburgh Park Viaduct North abutment	0	0	0	nil cost impact	05	01
717.1	Cost Engineering in respect of the Programme (22 week saving)	2,422,429	2,691,588	-269,159	Instructed by CEC. Refer to T&T letter dated 31/10/2012	00	01
720	Resolution of clash between security gate and trash compactor gate - ScotRail Depot	2,000	2,000	0		05	01
723	Princes Street road safety audit for release of full Princes St plug	675	5,000	-4,326		01	01
727	Remove maintenance staircase to Roseburn Viaduct	0	-6,000	6,000	Requirement reinstated as staircase had already been procured	05	01
732	Roseburn Street road build up - descope	0	0	0		05	01
742	South Gyle junction site survey	10,000	0	10,000		05	01
743	Gogar Depot construction	-5,000	0	-5,000		06	01
744	Carrickknowe golf course - flooding	10,000	0	10,000		05	01
745	Remove buff coloured HFS from Carrick Knowe Bridge and Edinburgh Park Viaduct	-2,000	0	-2,000		05	01
746	Undertake imprinted prismo works at Murrayfield Tramstop.	0	0	0		05	01
Total		5,671,296	6,142,193	-470,897			

Infracost Report Section 3B - Change in Progress - Schedule 45

TNC No.	Description	In Progress	Certified	Total Forecast	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
513.1	Revised design to minimise utility diversions / conflicts - used for slit trenching and trial holes	0	17,210	17,210	17,210	0		01	02
521	Haymarket - Temporary Accommodation	0	1,543	1,543	1,543	0		01	02
522	Haymarket 1 - Road Reconstruction	0	0	0	0	0	Included in VE register	01	02
523	Haymarket 1 - Additional CBR / Plate Testing	0	0	0	0	0	Included within on street priority works (contract milestones)	01	02
528	Haymarket 1 - Slit trench excavation to validate utilities	0	6,565	6,565	6,565	0	Included within on street priority works (contract milestones)	01	02
532	Princes Street - Temporary traffic management design - WITHDRAWN	0	0	0	0	0	No costs	01	02
533	Princes Street - 500mm Water Main Diversion	0	0	0	0	0	Costs contained within 535	01	02
535	Princes Street - 500mm Water Main Diversion - rev 3 dwg	0	252,986	252,986	252,986	0		01	02
537	Haymarket 1 - Additional visit of Tar planer to facilitate slewing of BT ducts - WITHDRAWN	0	0	0	0	0	Withdrawn	01	02
543	Haymarket H1 - Utilities affecting the construction of OHLE foundations	0	272,070	272,070	272,070	0	Only covers section H1. H2 to YP included in item 7 of Anticipated Change.	01	02
545	Site Wide - Power to bus trackers affecting the ability to remove site clearance items	0	0	0	0	0	McNicholas to remove. Contra charge BBS; allowance included for BBS attendance	00	02
547	Haymarket H1 - Third Party (McNicholas) affecting ability to progress the works	0	12,022	12,022	12,022	0		00	02
548	Haymarket H1 - BT Fibre Optic Service requires diverting	0	83,053	83,053	83,053	0		00	02
549	Princes Street - Amend the design of the St. Johns Church OLE bases	0	32,642	32,642	32,642	0		01	02
551	Princes Street - 2011 Christmas Embargo - Temporary Surfacing of Track Infills	0	203,511	203,511	203,511	0		01	02
552	Princes Street - BT diversion @ junction of Princes Street and South St. David Street	0	0	0	0	0	Costs included within TNC 535	01	02
554	St Andrew Square & Shandwick Place - Traffic Management Requirements	10,748	271,897	282,645	273,885	8,760	Refer to Revised issue of TNC	01	02
560	St. Andrew Square - Omit work North South & West St Andrew Square and St David Street	-2,050,000	0	-2,050,000	-2,050,000	0	Includes all descoped works	01	02
564	Worksite Modelling - (TM)	0	6,023	6,023	6,023	0		01	03

Infracost Report Section 3B - Change in Progress - Schedule 45

TNC No.	Description	In Progress	Certified	Total Forecast	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
570	Omit the Removal of Trees in Shandwick Place	-9,066	3,299	-5,767	-5,767	0		01	02
579	Removal of embargo and revised traffic management	0	0	0	0	0	Change resulting from value engineering exercise	01	02
583	Ordering setts for on street works	-86,691	66,691	-20,000	-20,000	0	Saving based on spreadsheet issued to CEC (GE to AC 22/05/2012). Final value still to be agreed with BBS	01	02
584	Road Reconstruction specification	-496,881	131,360	-365,520	-340,000	-25,520	Change resulting from value engineering exercise	01	02
588	Stafford St Return of Parking Spaces	0	0	0	0	0		01	02
590	New cycleway from The Mound into Princes Street	0	30,375	30,375	30,375	0		01	02
596	Section 1D - Costs associated with amended drainage design	0	-6,644	-6,644	18,123	-24,767		01	02
598	Section 1D - Incorporate geotextile liner into Clifton Terrace void in accordance with requirements from Archaeologist	0	1,760	1,760	1,760	0		01	02
599	Floating track slab	242,942	252,783	495,725	500,000	-4,275	Bilfinger have agreed to deduct risk allowance and add actual scope only. Final detailed scope and price agreed with Siemens	01	01
600	Shandwick place - OLE bases affecting utilities (Piling)	0	338,509	338,509	338,509	0		01	02
604	St Andrew Sq - OLE bases affecting utilities (Piling)	0	43,429	43,429	43,429	0		01	02
606	York Place - Waverley Bridge - Works Delayed and disrupted as a result of works carried out by Third parties	74,384	305,723	380,107	338,695	41,412		01	02
611	Excavation of Track Slab to be carried out by McNicholas	-100,000	0	-100,000	-100,000	0	Refer to Anticipated change section for costs	01	01
612	Tram stops branding changes. Requirement for etched glass to be confirmed (cost excluded)	0	0	0	0	0	Value TBC	00	01
613	Temporary Bus Station at St Andrew Square/Waterloo Place - design	40,293	8,885	49,178	49,178	0		01	01
614	Rothesay Place Traffic Management Amendment	10,000	0	10,000	10,000	0		01	01
629	Utilities affecting Track Excavation at Shandwick Place (S1)	0	41,030	41,030	41,331	-302		01	02
630	Utilities affecting Track Excavation at Shandwick Place (S2)	0	26,867	26,867	26,867	0		01	02
631	Third parties affecting progress at Shandwick Place (S2)	0	7,161	7,161	7,161	0		01	02

Infracost Report Section 3B - Change in Progress - Schedule 45

TNC No.	Description	In Progress	Certified	Total Forecast	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
633	Ponding on Princes St at junctions of Frederick St/Castle St	0	0	0	0	0	Costs included in OSWE - allocated to other tNCs	01	01
634	Descope duct installation at Cathedral Lane	0	0	0	0	0	Part of York Place descope	01	01
635	Amend on street drainage scope	0	9,044	9,044	9,044	0		01	02
637	St Andrew Square Pedestrian Crossing	0	5,213	5,213	5,213	0		01	01
638	Remove pedestrian guardrail outside St John's Church	5,000	0	5,000	5,000	0		01	01
639	York Place - Traffic Management Design	57,874	173,046	230,920	225,738	5,182		01	01
641	Cathedral Lane substation - scope change to suit Henderson Global requirements. Excludes demolition.	599,208	25,792	625,000	625,000	0	This allowance is for the extra over cost included in the contract for construction of the new tram substation. It includes allowances for the revised substation and associated retaining wall.	01	01
642	York Place temporary Tram Stop	944,000	0	944,000	944,000	0	Excludes design work (see tNC 505) and sheet piling work to strengthen basement (included in risk allowance).	01	01
644	Finials for On Street Poles	0	22,880	22,880	22,880	0		01	01
645	Princes Street Outstanding Works	0	238,136	238,136	238,136	0		01	01
646	Cabinet Position For Street Lighting	20,000	0	20,000	20,000	0	Relates to locations only - assume no additional work	01	01
650	Princes Street Blister	0	0	0	0	0	Costs covered elsewhere in OSWE	01	01
654	De-scope coloured high friction surfacing at Princes / Sth St David Street Jctn	0	0	0	0	0	Savings contained in tNC 560	01	01
656	Defer On Street Tramstop Shelter Installation and Fit-out	10,000	0	10,000	10,000	0		01	01
658	Clarification of scope to Shandwick Place Wall	0	0	0	0	0	Work to be descope from BBS. No adjustment as work will be carried out by others.	01	01
659	Road signage at Junction of Manor Place / Melville Street	2,000	0	2,000	2,000	0		01	01
660	Princes Street Traffic Management	10,080	0	10,080	10,000	80		01	01
665	Removal of Princes Street "plug"	0	4,840	4,840	9,840	-5,000	Current requirements to be established	01	02

Infracost Report Section 3B - Change in Progress - Schedule 45

TNC No.	Description	In Progress	Certified	Total Forecast	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
677	Install 20mph roundels on Lansdowne Crescent	1,500	0	1,500	1,500	0		01	01
678	Temporary traffic management design at York Place to keep bus station access open	0	14,185	14,185	14,185	0		01	01
680	Coates Crescent - Bus running single lane	8,105	1,895	10,000	10,000	0	Feasibility study	01	01
681	Hoarding design for York Place	0	0	0	0	0		01	01
682	Descope work associated with street lighting, road signage & traffic signals	-503,771	5,873	-497,898	-496,787	-1,111	Previously included in anticipated change section	01	01
686	Alter kerbs next to CEC Connection Manhole	1,000	0	1,000	1,000	0		01	01
687	Relaxation of specification Appendix 11/1 to allow new in lieu of recovered whin kerbs	11,204	49,501	60,705	60,705	0		01	01
688	Descope footways outside Atholl & Coates Crescent	0	0	0	0	0	Included in forecast for road reconstruction saving	01	01
692	Installation of additional traffic management measures around St. James Centre car park	15,000	0	15,000	15,000	0		01	01
693	Footway and kerbing reinstatement in Shandwick Place	1,751	24,863	26,614	24,880	1,734		01	01
697	Remedials to Clifton Terrace kerb and footway	10,000	0	10,000	10,000	0		01	01
698	Removal of Contaminated Material in SP4	0	61,619	61,619	61,619	0		01	01
699	Pedestrian walkway from Haymarket Station	5,000	0	5,000	5,000	0		01	01
700	Hope Street Junction Works	22,500	7,521	30,021	30,000	21		01	01
707	Traffic Management adjacent Apple store (Princes St)	10,000	0	10,000	10,000	0		01	01
716	On Street Building Fixings	0	0	0	0	0	Schedule E Exclusion form the contract	01	02
718	De-Scope High Friction Surfacing on Waverley Bridge	-5,654	0	-5,654	-5,654	0		01	01
722	De-scope bus shelters, bus trackers and associated power supplies	-20,000	0	-20,000	0	-20,000		01	01
728	Pedestrian management requirements over Christmas shutdown	16,637	0	16,637	5,000	11,637		01	01
729	Princes St/South St Andrew St - Traffic Light Alterations	40,000	0	40,000	40,000	0		01	01

Infracost Report Section 3B - Change in Progress - Schedule 45

TNC No.	Description	In Progress	Certified	Total Forecast	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
730	De-scope tram duct crossing at Haymarket	-5,000	0	-5,000	-5,000	0		01	01
733	Palmerston Place/West Maitland St/Torphichen Pl - Tactile Paving	0	0	0	0	0		01	01
734	West Maitland Street / Manor Place traffic signals	4,000	0	4,000	4,000	0		01	01
735	Additional walls required at Queensferry Street/Hope St Junction	40,000	8,679	48,679	40,000	8,679		01	01
736	Road Markings for Bus Stops and Loading Bays on Shandwick Place	2,500	0	2,500	0	2,500		01	01
738	Descope Site Clearance Items	0	0	0	0	0		01	01
739	Dublin St Steps - clarification of scope	0	0	0	0	0		01	01
740	Haymarket Island - amend levels	5,000	0	5,000	0	5,000		01	01
741	Street Lighting poles - clarification of scope	15,000	0	15,000	0	15,000		01	01
Total		-1,041,337	3,063,836	2,022,499	2,003,468	19,031			

Infraco Cost Report Section 4 - Anticipated Change

Ref No	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
4	Pricing Assumptions - 6.4.2.6 Dublin Street	70,000	70,000	0	Excludes piling if required. Includes allowance for works to adjacent properties.	01	02
6	Track Lowering - bridging trackform over utilities in St Andrew Square	75,000	150,000	-75,000	Requirement for 30m section in St Andrews Square. Costs included in OSW Estimate	01	02
14	Roseburn Delta - non DDA footpath	30,000	30,000	0	No design required. Temporary footpath alignment to be agreed on site. Potential modifications to surface water drainage resulting from revised earthworks and Scottish Water approvals.	05	01
24	Remove drainage from Infraco scope	-80,000	-80,000	0	Section 1D now included in tNC 68. Remaining allowance for section 1C to be finalised	01	01
28	Opportunity to reduce cost associated with the temporary tram stop at York Place	-150,000	-150,000	0	Design optimisation - still to be realised	01	01
30	Schedule Part E, Item 8. Trackside Signage	37,320	37,320	0	Includes allowance for additional signage requirements identified during the testing and commissioning	01	01
32	Schedule Part E, Item 11. Unsuitable building fixings Section 1A	118,258	118,258	0	Initial verbal quote received from Siemens indicating that cost will be within this total	01	01
33	Schedule Part E, Item 12. SDS Lighting Design update impacts OLE combined poles	62,200	62,200	0	Current requirements to be established	01	01
41	Additional SDS Preliminaries (25.65%)	0	200,000	-200,000	Originally £200k Now transferred to respective design tNCs	00	01
42	Re ballast shunt line	75,000	75,000	0		05	01
45	TVM Installation - Off Street	125,000	125,000	0	Includes allowance for additional TVM's from contract requirements, relocating power and comms supplies as required to accommodate design and provision of bases.	05	01
46	TVM Installation - On Street	30,000	30,000	0	Includes allowance for additional TVM's from contract requirements, relocating power and comms supplies as required to accommodate design and provision of bases.	01	01
48	Additional track drainage boxes in St Andrew Square as per BS PMC 231	10,000	10,000	0	Notified on BBS letter ref 060288 dated 13/11/12	01	02

Edinburgh Trams
City of Edinburgh Council



Reporting Period: 12-11 - Rev 0 - 02/02/2013

Page 18 of 27

Infraco Cost Report Section 4 - Anticipated Change

Ref No	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
49	Rescoping of work included in York Place Crummock contract	75,000	75,000	0	This is likely to include excavation of road outside of area excavated by Crummock and any fill required to make up levels not carried out as part of the Crummock contract	01	01
51	Russell Road Retaining Wall	0		0	Work required to resolve proximity to Network Rail asset. Liability for change currently under investigation. Allowance in risk register.	05	01
Total		477,778	752,778	-275,000			

Edinburgh Trams
City of Edinburgh Council



Reporting Period: 12-11 - Rev 0 - 02/02/2013

Page 19 of 27

Infraco Cost Report Section 5 - Opportunities

Ref No	Description	Approved Changes	Changes in Progress	Anticipated Changes	Contributions	Secured	To be secured	Total Opportunity	Value per CS report Jan 2012	Notes
01	Remove embargoes and revised TM	0	0	0	0	0		0	-6,460,000	Subject to completion of sections in advance of contract dates. Initial opportunity based on 22 week time saving assumed in the Rev 4C programme. Current master programme indicates 4 week saving as a result of York Place
02	Edinburgh Gateway	0	0	0	-3,416,010	-3,416,010	0	-3,416,010	0	Awaiting instruction from Transport Scotland
03	St Andrew Square Public Realm (separate CEC budget)	0	-20,000	0	-1,025,600	-1,045,600	0	-1,045,600	-1,000,000	Funded by separate CEC budget (added to contributions register)
04	De-scope public realm at St Andrew Sq	0	-2,050,000	0	0	-2,050,000	0	-2,050,000	-700,000	Instructed
05	Contributions 3rd Party Agreements	0	0	0	-3,000,783	-3,000,783	0	-3,000,783	-2,500,000	Refer to contributions register
06	De-scope works at Forth Ports	-2,443,000	0	0	0	-2,443,000	0	-2,443,000	-2,450,000	Instructed
07	Omit Airport Tram Kiosk and Canopy	-150,000	0	0	0	-150,000	0	-150,000	-150,000	Approved, replacement materials t.b.c
08	Temporary tram stop at York Place	0	0	-150,000	0	-150,000		-150,000	-150,000	Design optimisation
09	Redeployment of Trams	0	0	0	0	0	0	0	-5,000,000	Included in CEC budget code
10	Cancel track York Place to Newhaven	-1,100,000	0	0	0	-1,100,000	0	-1,100,000	-1,100,000	Instructed
11	Omit Siemens works at Tower Place	-100,000	0	0	0	-100,000	0	-100,000	-100,000	Instructed
12	Turner & Townsend / CEC resources	0	0	0	0	0	0	0	0	Ongoing
13	Shared recovery vehicle	0	0	0	0	0	0	0	0	Not taken forward
14	Road re-construction depth	0	-365,520	0	0	-365,520	0	-365,520	-700,000	Principles instructed, saving subject to site conditions
15	Design freeze north of York Place	0	0	0	0	0	0	0	-250,000	Infraco design costs expended
16	Reduced requirement for storage	0	0	0	0	0	0	0	-1,000,000	Included in CEC budget code
17	Lay off TM at Forth Ports/Leith Walk	0	0	0	0	0	0	0	-180,000	TM not included in Infraco budget provision
18	Roseburn Viaduct Cladding	-308,004	0	0	0	-308,004	0	-308,004	-300,000	Instructed

Edinburgh Trams
City of Edinburgh Council



Reporting Period: 12-11 - Rev 0 - 02/02/2013

Page 20 of 27

Infracost Report Section 5 - Opportunities

Ref No	Description	Approved Changes	Changes in Progress	Anticipated Changes	Contributions	Secured	To be secured	Total Opportunity	Value per CS report Jan 2012	Notes
19	Delete Crew Relief Facility	-74,001	0	0	0	-74,001		-74,001		Instructed
Total		-4,175,005	-2,435,520	-150,000	-7,442,393	-14,202,918	0	-14,202,918	-22,040,000	

Infracost Cost Report Section 6 - Credits & Contributions

Ref No	Description	Included in Contract Sum	Approved Changes	Changes in Progress	Anticipated Changes	Total Forecast	Previous Period	Change from Previous	Contribution Received	Notes	Section Code	Change Code
01	Edinburgh Gateway Feasibility	861,943	82,944	0		944,887	944,887	0	944,887	£1.2m in total. Remainder of the costs included in CEC sections of the project budget.	05	01
02	New Ingliston Future Proof measures	540,000	0	0		540,000	540,000	0		Construction works element of overall settlement with NIL. Remaining amount contained in Land budget	07	01
03	Henderson Global - Cathedral Lane substation	-44,596	259,388	599,208	-344,000	470,000	470,000	0		Full extent of agreement with Henderson Global to be established. Allowance assumes all design costs and proportion of construction costs associated with future substation will be borne by Henderson Global. Cost of £470k has been submitted to Henderson Global	01	01
04	RBS Tramstop	560,000	0	0		560,000	560,000	0		Agreement reached with RBS 11/06/2012	07	01
05	St Andrew Square Public Realm design		135,143	0		135,143	134,947	197	133,000	As per agreed change value. Assumed to be recovered from separate budget	01	01
06	Forth Ports		0	0		0	0	0		Forth Ports work removed from scope - no further contribution from Forth Ports assumed	01	01
07	CEC Miscellaneous. Mainly George Street CEC costs (£298k)	318,213	0	0		318,213	318,213	0	318,213	CEC finance have confirmed that a credit has been received in the amount shown. The extent of the workscope associated with this credit is not clear.	01	01
08	Network Rail - Haymarket station refurbishment	0	12,698	0		12,698	12,698	0		Majority of this work now being carried out by Network Rail. Remaining allowance for wall to crew relief facilities	02	01
09	Contribution from CEC for public realm work (granite setts) at St Andrews Square	788,600	0	0		788,600	788,600	0		Setts funded by CEC. Saving based on spreadsheet issued to CEC (MM to AC 20/11/12).	01	01
10	Network Rail - Scottish Power Cable diversion - Haymarket Station (TNC 591)		19,842	0		19,842	21,789	-1,947			05	01
11	Edinburgh Gateway Construction		3,416,010	0		3,416,010	3,416,010	0		Cost based on agreed TCO. No contingency included (TS carrying their own contingency)	05	01
12	St Andrew Square Public Realm Footways (Scoutmoor)	237,000	0	0		237,000	0	237,000		Offset by risk on basis that this may be claimed by Bilfinger as an extra	01	01
Total		3,261,160	3,926,026	599,208	-344,000	7,442,393	7,207,143	235,250	1,396,100			

Edinburgh Trams
City of Edinburgh Council



Reporting Period: 12-11 - Rev 0 - 02/02/2013

Page 22 of 27

Infraco Cost Report Section 7 - Change Summary

Change Code	Description	Approved Change	Change in Progress	Anticipated Change	Contributions	Total
01	Scope Change	5,895,551	4,285,540	322,778		10,503,869
02	PAVs (Utilities, etc)	1,744,760	-2,557,506	155,000		-657,746
03	Miscellaneous Client Risk Items	236,478	0	0		236,478
04	Time Delay	1,639,237	2,901,924	0		4,541,161
05	Project Contributions	0	0	0	-7,442,393	-7,442,393
Total		9,516,026	4,629,958	477,778	-7,442,393	7,181,369

Notes:

Some CE's have costs which relate to more than one change code. In such instances they have been allocated to the predominant reason.

Edinburgh Trams
City of Edinburgh Council



Reporting Period: 12-11 - Rev 0 - 02/02/2013

Page 23 of 27

Infraco Cost Report Section 8 - Period Movement

Ref No.	Description	Approved Off	Approved On	In Progress Off	In Progress On	Total
507	Provide a clarification report and completion of the St. Andrew's Square Public Realm design	197		0	0	197
539	System Wide - Delay in signing - impact on commencement and completion - costs incurred at front end of programme	241,827		0	0	241,827
539.1	System Wide - Delay in signing - impact on commencement and completion - prolongation costs at end of programme	0		-241,827	0	-241,827
546	Increased number of drainage boxes including installation	21,482		-21,482	0	0
553	SDS to provide the services of Matt Fell until August 2012	8,000		0	0	8,000
554	St Andrew Square & Shandwick Place - Traffic Management Requirements	0		0	8,760	8,760
562	On Street Generally - OLE Design Changes for On Street Section (PMC 045) - SIEMENS DESIGN WORKS	-5,000		0	0	-5,000
566	On Street Generally - Ducting Design Changes Due to Utilities Conflicts	10,000		0	0	10,000
567	On Street Generally - Drainage Design Changes Due to Utilities Conflicts	30,000		0	0	30,000
568	On Street Generally - Trackform Design Changes Due to Utilities Conflicts	10,000		0	0	10,000
584	Road Reconstruction specification	0		0	-25,520	-25,520
591	Diversion of Scottish Power Cable at Haymarket Viaduct	-1,947		0	0	-1,947
596	Section 1D - Costs associated with amended drainage design	0		0	-24,767	-24,767
599	Floating track slab	0		0	-4,275	-4,275
605	Depot - Sub-Station Switching	81,250		-80,000	0	1,250

Edinburgh Trams
City of Edinburgh Council



Reporting Period: 12-11 - Rev 0 - 02/02/2013

Page 24 of 27

Infraco Cost Report Section 8 - Period Movement

Ref No.	Description	Approved Off	Approved On	In Progress Off	In Progress On	Total
606	York Place - Waverley Bridge - Works Delayed and disrupted as a result of works carried out by Third parties	0		0	41,412	41,412
624	Compressed Air Supply to Depot Gantry Road and workshop	-930		0	0	-930
628	Prepare MUDFA As Built drawings	0		25,000	0	25,000
629	Utilities affecting Track Excavation at Shandwick Place (S1)	0		0	-302	-302
639	York Place - Traffic Management Design	0		0	5,182	5,182
655	Revise CCTV & PA coverage at Murrayfield tram stop	-18,183		0	0	-18,183
660	Princes Street Traffic Management	0		0	80	80
665	Removal of Princes Street "plug"	0		0	-5,000	-5,000
672	Amend drainage drawings to incorporate changes introduced through redesign process	6,000		0	0	6,000
682	Descope work associated with street lighting, road signage & traffic signals	0		0	-1,111	-1,111
683	Carry out trial holes to locate 125mm diameter pipe at Depot	-1,652		0	0	-1,652
689	CAD resource and engineering support to revise drawings to show the layout required for Road Sign Bases, Street Light Columns, Traffic Signal Poles, Ducting and Chambers to avoid utilities	56,000		0	0	56,000
691	Cathedral Lane re-design	13,000		0	0	13,000
693	Footway and kerbing reinstatement in Shandwick Place	0		0	1,734	1,734

Edinburgh Trams
City of Edinburgh Council



Reporting Period: 12-11 - Rev 0 - 02/02/2013

Page 25 of 27

Infraco Cost Report Section 8 - Period Movement

Ref No.	Description	Approved Off	Approved On	In Progress Off	In Progress On	Total
695	Tanker Access Edinburgh Airport	2,500		-2,500	0	0
696	SGN as Builts for New Ingliston Limited	0		414	0	414
700	Hope Street Junction Works	0		0	21	21
701	Reinstatement works at the Airport	23,500		-20,000	0	3,500
702	Eastfield Avenue Pedestrian Crossing	24,562		0	0	24,562
704	Redesign of St Andrew Square - East	15,000		-15,000	0	0
712	New fence and ramp at Murrayfield Wanderers FC	34,762		-34,762	0	0
717	Cost Engineering in respect of the Programme (22 week saving)	269,159		0	0	269,159
717.1	Cost Engineering in respect of the Programme (22 week saving)	0		-269,159	0	-269,159
719	Clarification of requirements for installation of fare collection equipment	13,710		0	0	13,710
721	Installation of section isolators on the MTT.	23,519		-29,825	0	-6,306
722	De-scope bus shelters, bus trackers and associated power supplies	0		0	-20,000	-20,000
723	Princes Street road safety audit for release of full Princes St plug	0		-4,326	0	-4,326
725	Provision of DWG drainage drawings for handover to Scottish Water	1,280		-1,000	0	280
726	Remove Murrayfield Thistle	-6,120		10,000	0	3,880

Edinburgh Trams
City of Edinburgh Council



Reporting Period: 12-11 - Rev 0 - 02/02/2013

Page 26 of 27

Infraco Cost Report Section 8 - Period Movement

Ref No.	Description	Approved Off	Approved On	In Progress Off	In Progress On	Total
727	Remove maintenance staircase to Roseburn Viaduct	0		6,000	0	6,000
728	Pedestrian management requirements over Christmas shutdown	0		0	11,637	11,637
731	Murrayfield SW pipe - provide CAD drawing to allow McNicolas to mark up the position on the sewer	120		0	0	120
735	Additional walls required at Queensferry Street/Hope St Junction	0		0	8,679	8,679
736	Road Markings for Bus Stops and Loading Bays on Shandwick Place	0		0	2,500	2,500
737	Lower BT chambers at South Gyle to sit flush with ground level	-37,870		0	0	-37,870
740	Haymarket Island - amend levels	0		0	5,000	5,000
741	Street Lighting poles - clarification of scope	0		0	15,000	15,000
742	South Gyle junction site survey	0		10,000	0	10,000
743	Gogar Depot construction	0		-5,000	0	-5,000
744	Carricknowe golf course - flooding	0		10,000	0	10,000
745	Remove buff coloured HFS from Carrick Knowe Bridge and Edinburgh Park Viaduct	0		-2,000	0	-2,000
Total		814,166	0	-665,466	19,031	167,730
Anticipated Change				-200,000	-75,000	-275,000

Edinburgh Trams
City of Edinburgh Council



Reporting Period: 12-11 - Rev 0 - 02/02/2013

Page 27 of 27

Infraco Cost Report Section 8 - Period Movement

Ref No.	Description	Approved Off	Approved On	In Progress Off	In Progress On	Total
	Opportunities			0	0	0
	Change to Anticipated Final Cost	814,166	0	-865,466	-55,969	-107,270
	Contributions			-1,947	237,197	235,250
	Change to Anticipated Final Project Cost	814,166	0	-863,519	-293,166	-342,520

Utilities Cost Report: Section 1 - Utilities Summary

	Budget Information			Committed			Forecast					Third Party Contributions		Variance		Actuals	
	A	B	C = A + B	D	E	F = D + E	G	H	I	J	K = F + G + H + I + J	L	M = K - L	N = M - C	O = M / C - 1	P	Q
	Original Budget	Budget Variation	Current Budget	Original Contract Value	Approved Contract Changes	Current Contract Value	Changes in Progress	Anticipated Change	Opportunities	Risk / Provision	Anticipated Final Cost	Estimated Contribution Value	Anticipated Final Project Cost	Budget Variance (Value)	Budget Variance (%)	Cost of Work Done	Outstanding Amount
Post Settlement Utilities	2,912	13,976	16,888	2,912	13,976	16,888	0	2,911	0	0	19,799	-188	19,611	2,723	16.1%	17,581	-693
McNicholas	1,812	13,310	15,122	1,812	13,310	15,122	0	1,177	0	0	16,299	-188	16,111	989	6.5%	15,078	44
01 Conflicts	1,812	4,066	5,878	1,812	4,066	5,878		208			6,086	0	6,086	208	3.5%	5,903	-25
01A Drainage		2,543	2,543		2,543	2,543		-62			2,481	0	2,481	-62	-2.4%	2,307	236
01B Grosvenor St / Haymarket Sewer Collapse		178	178		178	178		0			178	-188	-10	-188	-105.6%	-10	188
01C Tower Place Bridge		71	71		71	71		0			71	0	71	0	0.0%	71	0
01D Princes Street Outstanding Works		108	108		108	108		0			108	0	108	0	0.0%	108	0
01E Priority 2 Works		2,559	2,559		2,559	2,559		412			2,971	0	2,971	412	16.1%	2,557	2
01F Public Realm Works		67	67		67	67		0			67	0	67	0	0.0%	67	0
02 Legacy Works		1,411	1,411		1,411	1,411		0			1,411	0	1,411	0	0.0%	1,383	28
03 Standby Team		0	0		0	0		0			0	0	0	0	0.0%	0	0
04 Management Team		1,064	1,064		1,064	1,064		436			1,500	0	1,500	436	41.0%	1,380	-316
05 Design Team		1,213	1,213		1,213	1,213		144			1,357	0	1,357	144	11.9%	1,248	-35
06 Accomodation		30	30		30	30		39			69	0	69	39	130.0%	63	-33
Statutory Utility Companies	0	1,766	1,766	0	1,766	1,766	0	834	0	0	2,600	0	2,600	834	47.2%	2,413	-647
01 Scottish Power		126	126		126	126		-6			120		120	-6	-4.8%	103	23
02 Scottish Gas Networks		55	55		55	55		-35			20		20	-35	-63.6%	19	36
03 Scottish Water		943	943		943	943		487			1,430		1,430	487	51.6%	1,331	-388
04 Virgin Media		184	184		184	184		136			320		320	136	73.9%	271	-87
05 Verizon		20	20		20	20		-15			5		5	-15	-75.0%	2	18
06 Cable & Wireless		49	49		49	49		8			57		57	8	16.3%	46	3
07 Fibrenet		250	250		250	250		-62			188		188	-62	-24.8%	188	62
08 BT		139	139		139	139		311			450		450	311	223.7%	446	-307
09 Siemens		0	0		0	0		10			10		10	10		7	-7
12 Contributions (all companies)		0	0		0	0		0			0		0	0		0	0
00 Legacy Works	1,100	-1,100	0	1,100	-1,100	0		900			900		900	900		90	-90

Comments:
All values are in £k.

Risk
Refer to Risk register for risks identified against McNicholas

Actions

Tramco Cost Report Section 1 - Tramco Commercial Summary

		Budget Information			Committed			Forecast					Third Party Contributions		Variance		Actuals	
		A	B	C = A + B	D	E	F = D + E	G	H	I	J	K = F + G + H + I + J	L	M = K - L	N = M - C	N = M / C - 1	O	P
		Original Budget	Budget Variation	Current Budget	Original Contract Value	Approved Contract Changes	Current Contract Value	Changes in Progress	Anticipated Change	Opportunities	Risk / Provision	Anticipated Final Cost	Estimated Contribution Value	Anticipated Final Project Cost	Budget Variance (Value)	Budget Variance (%)	COWD to Date	Outstanding Amount
Trams		62,400	5	62,405	63,645	5	63,650	35	300	0	0	63,985	-300	63,685	1,280	2.53%	61,793	1,857
CAF		62,400	5	62,405	63,581	5	63,586	35	300	0	0	63,921	-300	63,621	1,216	2.43%	61,729	1,857
01	Trams	55,042	0	55,042	55,042	0	55,042	0	0			55,042	0	55,042	0	0.00%	53,170	1,872
02	Tram Maintenance Mobilisation	2,276	0	2,276	2,276	0	2,276	0	0			2,276	0	2,276	0	0.00%	2,116	160
03	Depot Equipment	740	0	740	740	0	740	0	0			740	0	740	0	0.00%	740	0
04	Miscellaneous	73	0	73	73	0	73	0	0			73	0	73	0	0.00%	73	0
05	Modification 1 - Interior Layout	300	0	300	300	0	300	0	0			300	0	300	0	0.00%	300	0
06	Modification 2 - Delivery First Tram	38	0	38	38	0	38	0	0			38	0	38	0	0.00%	38	0
07	Phoenix and Prioritised Works	3,931	0	3,931	5,112	0	5,112	0	0			5,112	0	5,112	1,181	30.04%	5,112	0
10	Post Mediation Change		5	5		5	5	35	300			340	-300	40	35	6700.00%	180	-175
Non CAF		0	0	0	64	0	64	0	0	0	0	64	0	64	64	#DIV/0!	64	0
01	Miscellaneous Costs		0	0	64		64					64		64	64	#DIV/0!	64	0

Comments:

Miscellaneous costs were expended prior to mediation and have been allocated to this budget

Risk

Refer to Risk register for risks identified against infraco programme
 All risk is held at programme level. This section of the cost report makes no allowance for risk.
 Refer to the outputs of the QCRA/QSRA for further information

Actions

Tramco Cost Report Section 2 - Approved Change

TNC No.	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Group	Change Code
001	Provision of sand for commissioning	5,417	5,417	0		10	01
002	Blanking plate to cover bus tracker location	0		0	Zero cost change	10	01
003	Replace tie logo with Edinburgh Tram logo on screen saver within each tram	0		0	Zero cost change	10	01
Total		5,417	5,417	0			

Tramco Cost Report Section 3 - Change in Progress

TNC No.	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Group	Change Code
004	Bus Tracker - Termination of Wiring	35,000	35,000	0		10	01
Total		35,000	35,000	0			

Edinburgh Trams
City of Edinburgh Council



Reporting Period: 12-11 - Rev 0 - 02/02/2013

Tramco Cost Report Section 4 - Anticipated Change

TNC No.	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Change Code
1	Tram Integration Manager	300,000	300,000	0	Based on requirement for one year. Additional cost if requirement extends beyond 2 years. Offset by contribution	10
				0		
				0		
				0		
				0		
				0		
				0		
				0		
				0		
				0		
				0		
				0		
				0		
				0		
				0		
				0		
				0		
				0		
Total		300,000	300,000	0		

Edinburgh Trams
City of Edinburgh Council



Reporting Period: 12-11 - Rev 0 - 02/02/2013

Page 5 of 5

Tramco Cost Report Section 5 - Credits & Contributions

TNC No.	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Change Code
1	Tram Integration Manager	-300,000	-300,000	0	Assumed contribution from Transport Scotland	10
				0		
				0		
				0		
				0		
				0		
				0		
				0		
				0		
				0		
				0		
				0		
				0		
				0		
				0		
				0		
				0		
				0		
				0		
				0		
Total		-300,000	-300,000	0		

Appendix 4 – Change Log

RIC No.	PMR No.	TCO No.	Location	Description	Reason For Change	On Street / Off Street	Close 88 / Schedule 45 / Restriction	T&T Change / Owner	Change Category / DK, DL, CL, CR	Date TMC Issued	Letter Ref	Defr Estimate / Doc	Estimate Returned / NY	Date Estimate Received	Estimate Change Value / On Sign	Estimate Change Value / Execution	Time Implications	Date Issued to CEC	Approved BY CEC / TR	Date Approved in Subject	Agreed To for Approved Contract / Changes	Date TCO Issued	TCO Letter Ref	TCO RETURNED / NY / CLOSED / OUT	Comments
8394	144		On Street	Progress with Brighton 16/Adams Street traffic signal/location implementation. Take all necessary actions to facilitate the implementation of revised TMC in York Place.	York Place - Rev D TMC implementation.	On Street	Schedule 45	NL	CR	04/09/2012	RF CORR 8551	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	TBA	05/09/2012	CEC	05/09/2012		N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	
8395	144		On Street	Traffic Plan - Change from MAAT Barrier to Asset/Volunguard.	TMC requirements.	On Street	Schedule 45	NL	LC	19/01/2012	RF CORR 8779	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	TBA	19/01/2012	CEC	19/01/2012		N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	
8396	144		On Street	Traffic Plan TMC - Additional Signage	TMC requirements.	On Street	Schedule 45	NL	CR	12/12/2011	RF CORR 8821	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	TBA	10/12/2012	CEC	10/12/2012		N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	
840	140	585	Off/On Street - Insurance of Utehog	Agreement on Method of Recovery for Utehog Insurance.	Method of Recovery for Insurance Premium	Off Street	Clause 88	DL	UC	30/06/2012	RF CORR 8342	06/06/2012	N	19/06/2012	N/A	TBA	None	26/06/2012	CEC	26/06/2012	TCO FOR CEC APPROVAL 3.7.12	11/07/2012	RF CORR 8445	CO	COST TRANSFER BETWEEN CEC AND B&I, CEC APPROVED TCO
841	147_224	638	On Street - Cathedral Lane	Direct - Refurbishment and Change of Use to Train sub-station of Existing Footpath at Cathedral Lane. Add - Following Demolition by Others of Existing Footpath at Cathedral Lane, New build of Train sub-station.	Construction TMC	On Street	Schedule 45	NL	DC	12/08/2012	RF CORR 8380	N/A	N	SCHEDULE 46 NOW CLAUSE 80	N/A	SCHEDULE 46 NOW CLAUSE 80	TBA	11/04/2012	CEC	11/04/2012	TCO FOR CEC APPROVAL 26.11.12	27/01/2012	RF CORR 8790	Y	
841.1	147_224	638 Rev A	On Street - Cathedral Lane	TCO 838 Rev A Progress and practical work associated with the construction of the Cathedral Lane sub-station (construction of the Building Structure)	Construction TMC	On Street	Schedule 49	NL	DC	See TMC 641	See TMC 641	N/A	N	SCHEDULE 46 NOW CLAUSE 80	N/A	SCHEDULE 46 NOW CLAUSE 80	TBA	08/12/2012	CEC	08/12/2012	TCO FOR CEC APPROVAL 3.22.12	04/12/2012	RF CORR 8601	Y	
842	139		On Street - York Place Temporary Train Stop	Direct - Agree 66 m of outboard track and associated temporary traffic management, site logistics, site clearance, road and pavement construction, drainage, road markings, Traffic Signals to provide space for Temporary Train Stop. Add - Construct temporary Train Stop and associated site logistics, site clearance, road and pavement construction, drainage, road markings, temporary traffic management and Traffic Signals to create York Place Temporary Train Stop in accordance with IPC Design.	Change of Scope for York Place	On Street	Schedule 45	NL	DC	14/08/2012	RF CORR 8556	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A	SCHEDULE 45	TBA	15/08/2012	CEC	15/08/2012		N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	
843	148	572	Off Street - Edinburgh Gateway	Edinburgh Gateway Construction 1. Testing and Provisional Works on the Scottish Water Lower 2. Excavation for and placement of the Attenuation Tank 3. To work on Foundations for the permanent Radio Mast.	Construction TMC	Off Street	Clause 88	NL	DC	11/09/2012	RF CORR 8394	09/07/2012	N	SEE 577 REV B	SEE 572 REV B	SEE 572 REV B	TBA	18/04/2012	CEC	18/04/2012	SEE 577 REV B	13/06/2012	RF CORR 8384	Y	Clause 88 TCO Issued
843.1	148	572.1	Off Street - Edinburgh Gateway	Edinburgh Gateway Construction - proceed with the procurement of the Edinburgh Gateway " Slope Solution" as per the IFA drawings for the earth retaining structure.	Construction TCO	Off Street	Clause 88	NL	DC	ISSUED AS TCO	ISSUED AS TCO	ISSUED AS TCO	N	SEE 577 REV B	SEE 572 REV B	SEE 572 REV B	TBA	26/06/2012	CEC	26/06/2012	SEE 577 REV B	26/06/2012	RF CORR 8389	Y	Clause 88 TCO Issued
843.2	148	572.2	Off Street - Edinburgh Gateway	Under the Edinburgh Gateway works as per BS report dated 18/08/2012, the options during meeting on 29/8/2012 and the revised Construction Works Price revised under cover letter 25.1.2012/04/01/44 dated 20/8/2012	Progress with Edinburgh Gateway works	Off Street	Clause 88	NL	DC	ISSUED AS TCO	ISSUED AS TCO	ISSUED AS TCO	Y	18/08/2012	£126,106.00	£3,289,814.40	None	27/08/2012	CEC	27/08/2012	£3,461,010.40	29/08/2012	RF CORR 8508	CO	New Includes Design Costs from previous TMC's
844	98	863	On Street - On Street (CL) joint	Prove for On Street poles	Construction TCO - Proves etc part of Schedule 45 Exclusions	On Street	Clause 88	NL	DC	27/06/2012	RF CORR 8411	N/A - already provided	Y	29/05/2012	N/A	£25,422.00	TBA	29/06/2012	CEC	29/06/2012	1.26.432.00	27/04/2012	RF CORR 8411	CO	AGREED PRIOR TO ISSUE, ANTICIPATE NO ISSUES, HOWEVER WILL NEED TO UP REV AS THERE IS PROBLEMS ON CLASH WITH VERIFY HOUSE ROOF.
845	145, 146, 142, 143, 145, 146, 200	N/A	On Street - Princes St	Subsiding works	Client instruction to meet 29th June deadline	On Street	Schedule 45	NL	CR	30/06/2012	RF CORR 8384	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	TBA	11/06/2012	CEC	11/06/2012		N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	ISSUE NOT ISSUE TMC, EMAIL ISSUED 11/6/12, UNDER COVER LETTER 6/06/2012.
846	149	N/A	On Street - Princes St	Cabinet Position for Street Lighting - Construction	Design Change	On Street	Schedule 45	NL	DC	12/06/2012	RF CORR 8382	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	TBA	11/06/2012	CEC	11/06/2012		N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	
847	150	577	On Street	Design work for VE on Canisvogue Reconstruction & Kerb Realignement	Design Change	On Street	Clause 88	NL	DC	12/06/2012	RF CORR 8379	06/07/2012	Y	SEE 447 REV B	SEE 647 REV B	N/A	TBA	11/06/2012	CEC	11/06/2012	INCLUDE D577 REV D	12/06/2012	RF CORR 8378	Y	
847.1	150	577.1	On Street	Design work for VE on Canisvogue Reconstruction & Kerb Realignement, Rev A - Specific requirements for St Andrew Square North Cycle 36 to north of West Register Street.	Design Change	On Street	Clause 88	NL	DC	10/07/2012	RF CORR 8438	03/08/2012	Y	SEE 447 REV B	SEE 647 REV B	N/A	TBA	09/07/2012	CEC	09/07/2012	INCLUDE D577 REV D	10/07/2012	RF CORR 8438	Y	
847.2	150	577.2	On Street	REV B Design work for VE on Canisvogue Reconstruction & Kerb Realignement, Rev A - Specific requirements for St Andrew Square North Cycle 36 to north of West Register Street revised to include the Utility Trial Release on cross sections.	Design Change	On Street	Clause 88	NL	DC	06/09/2012	RF CORR 8449	30/09/2012	Y	20/09/2012	See Update for TCO 577.3	N/A	TBA	30/07/2012	CEC	30/07/2012	INCLUDE D577 REV D	06/09/2012	RF CORR 8449	Y	
847.3	150	577.3	On Street	Review of Road Design - west side of South Andrew Street	Design Change	On Street	Clause 88	NL	DC	14/08/2012	RF CORR 8509	07/09/2012	Y	see TCO 577 Rev D	see TCO 577 Rev D	N/A	TBA	06/09/2012	CEC	06/09/2012	INCLUDE D577 REV D	14/08/2012	RF CORR 8509	Y	
847.4	150	577.4	On Street	Review of Road Design - west side of South Andrew Street - TCO to agree estimates take to date.	Design Change	On Street	Clause 88	NL	DC	14/08/2012	RF CORR 8509	07/09/2012	Y	24/09/2012	£23,866.74	N/A	TBA	06/09/2012	CEC	06/09/2012	£23,866.74	11/09/2012	RF CORR 8680	CO	
847.5	150	577.5	On Street	Further Development of Design for West side of St Andrews Square.	Design Change	On Street	Clause 88	NL	DC	14/01/2012	RF CORR 8761	10/12/2012	Y	SEE TCO 577 Rev F	SEE TCO 577 Rev F	N/A	TBA	09/11/2012	CEC	13/11/2012		14/11/2012	RF CORR 8761	Y	
847.6	150	577.6	On Street	Further Development of Design for West side of St Andrews Square - TCO to confirm agreement of estimates	Design Change	On Street	Clause 88	NL	DC	14/01/2012	RF CORR 8763	10/12/2012	Y	05/12/2012	£27,577.45	N/A	TBA	07/01/2013	CEC	07/01/2013		09/01/2013	RF CORR 8851	N	
849	151	579	On Street - Princes St	Cabinet Position for Street Lighting - Design	Design Change	On Street	Clause 88	NL	DC	12/06/2012	RF CORR 8383	06/07/2012	N		N/A	TBA	11/06/2012	CEC	11/06/2012		19/06/2012	RF CORR 8393	Y		
849				Blank TMC, number not to be used in future.																					
850	152		On Street - Princes St/Blair	Construction	Client instruction to meet 29th June deadline	On Street	Schedule 45	NL	CR	19/06/2012	RF CORR 8394	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	TBA	18/06/2012	CEC	18/06/2012		N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	
851	153		Off Street - Translops	Translop Shelter Installation and Fit-out deferral.	Reduce Risk of Damage	Off Street	Clause 88	DM	CR	23/06/2012	RF 8396	17/07/2012	N	N/A	N/A	TBA	18/06/2012	CEC	18/06/2012					SEE TCO 625	
851.1	153	625	On and Off Street - Translops	Translop Shelter Installation and Fit-out deferral - Protection of translops	Reduce Risk of Damage	On & Off Street	Clause 88	DM	CR	31/07/2012	RF CORR 8750	26/11/2012	Y	22/01/2013	N/A	£130,033.78	TBA	22/04/2012	CEC	22/04/2012		31/01/2012	RF CORR 8750	Y	
852	122	580	Off Street - Depot	Maintenance of The Depot Workshop Equipment.	Depot Maintenance Services do not form part of the Infrastructure Maintenance Services	Off Street	Clause 88	CL	CR	26/06/2012	RF CORR 8409	N/A	Y	N/A	N/A - Maintenance Cost	None	26/06/2012	CEC	26/06/2012		£49,633.41	26/06/2012	RF CORR 8408	CO	
853	156	585	On Street - York Place	Provides IPC Drawings in DWG CAD format.	Planning Requirements	On Street	Clause 88	NL	DC	22/06/2012	RF CORR 8406	17/07/2012	N	09/08/2012	£4,922.55	N/A	TBA	18/06/2012	CEC	18/06/2012		10/06/2012	RF CORR 8404	Y	TMC + TCO withdrawn, no longer a requirement.
854			On Street - Princes St	On-sign required parking	Avoidance potential Maintenance issue	On Street	Schedule 46	NL	DC					18/04/2012	680	18/04/2012								N/A	DO NOT ISSUE IN SIGNED ALREADY COVERED
855	136	632	Off Street - Murrainfield Train Stop	Additional CCTV & RA coverage - Installation Cost Only	Following condition 2 for TMC's relocated from translop platform to the ground floor requiring another CCTV to be placed to cover TMC	Off Street	Clause 88	CL	DC	10/07/2012	RF CORR 8449	03/08/2012	Y	31/08/2012	N/A	£381,588.00	TBA	03/07/2012	CEC	03/07/2012	£31,975.00	22/01/2013	RF CORR 8886	N	

TRC No.	PAC No.	TCO No.	Location	Description	Reason For Change	On Street / Off Street	Clause 80 / Schedule 45 Restriction	T&I Change Design	Change Category CR, DR, UR, CR	Date TMC Issued	Letter Ref	Date Estimate Due	Estimate Returned N/Y	Date Estimate Received	Estimate Change Value (Dr-Uplift)	Estimate Change Value (Execution)	Time Implications	Date Issued to CEC	Approved BY CEC / TA	Date Agreement Adjusted	Approved For Approved Contract Change	Date TCO Issued	TCO Letter Ref	TCO RETURNED N/Y / CLOSED OUT	Comments	
606	154		On Street - Transcona	Transfer Matter Installation and Fit-out equipment - REFER TO TNC 655	Reduce Risk of Damage	On Street	Clause 80	RL	CR	22/06/2012	MF CORR 899	17/07/2012	N	SEE TNC 651	N/A	SEE TNC 651	SEE TNC 651	26/06/2012	CEC	26/06/2012	SEE TNC 651	SEE TNC 651	N	REFER TO TNC 651, DEFERRMENT FOR OFF AND ON STREET TRUCK STOP NOW UNDER TNC 651		
607	155	502	On Street - Princes St	Scottish Water As Built Drawings	Clear instruction to meet 23th June deadline	On Street	Clause 80	RL	CR	22.8.12	MF CORR 840	17/07/2012	Y	SEE TCO 582 Rev A	SEE TCO 582 Rev A	N/A	TBA	26/06/2012	CEC	26/06/2012	SEE TCO 582 Rev A	22/06/2012	MF CORR 840	CO		
607.1	155	502.1	On Street - Princes St	Scottish Water As Built Drawings, TCO 582 Rev A, raised to agree estimate submitted under TMC	Clear instruction to meet 23th June deadline	On Street	Clause 80	RL	CR	22.8.12	MF CORR 840	17/07/2012	Y		£3,271.30	N/A	TBA	08/06/2012	CEC	08/06/2012	£3,271.30	11/03/2012	MF CORR 840.1	CO		
608	165		On Street - Sherbrook Place	Sherbrook Place W&B - De scope	Transfer Works to others	On Street	Schedule 45	RL	UC	15/09/2012	MF CORR 820	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	TBA	11/09/2012	CEC	13/09/2012	N/A - Schedule 45	N/A - Schedule 45	N/A			
609	175		On Street - Shawanika	Road Signage - Junction Major Place/White St	Road Closure Ahead	On Street	Schedule 45	RL	CR	26/12/2012	MF CORR 847	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	None	25/06/2012	CEC	25/06/2012	N/A - Schedule 45	N/A - Schedule 45	N/A			
660	176		On Street - Princes St	Princes St - Traffic Management	Traffic Management Update	On Street	Schedule 45	RL	CR	28/12/2012	MF CORR 854	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	01/07/2012	CEC	03/07/2012	N/A - Schedule 45	N/A - Schedule 45	N/A			
660.1	176		On Street - Princes St	Princes St - Traffic Management, Rev A Maintenance of temporary CAT posts at Princes St to develop	Maintenance Requirements for Temporary CAT posts	On Street	Schedule 45	RL	CR	14/09/2012	MF CORR 851	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	06/03/2012	CEC	06/03/2012	N/A - Schedule 45	N/A - Schedule 45	N/A			
660.2	176		On Street - Princes St	Princes St - Traffic Management, Rev B Removal of Princes St Warning Signs for Cyclists	Maintenance Requirements for Temporary CAT posts	On Street	Schedule 45	RL	CR	02/10/2012	MF CORR 857	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	01/06/2012	CEC	01/06/2012	N/A - Schedule 45	N/A - Schedule 45	N/A			
661			Off Street - Gage Roundabout Signage	Blaze off the Train Depot tent on all signage associated with the Gage Roundabout, A67/Edinburgh Bypass Interchange		Off Street	Clause 80	SM	CR									01/07/2012							ON HOLD - NEED FURTHER INFORMATION ON REASON	
662	169	590	Off Street - Section 7A	Earfhead Avenue - Topographical Survey	Carry out check on levels	Off Street	Clause 80	SM	CR	11/07/2012	MF CORR 842	05/08/2012	Y	09/03/2012	SEE TCO 590 Rev A	N/A	TBA	09/07/2012	CEC	09/07/2012	SEE TCO 590 Rev A	11/07/2012	MF CORR 842	CO	30.15 TCO issued	
662.1	169	590 Rev A	Off Street - Section 7A	Earfhead Avenue - Topographical Survey	Carry out check on levels	Off Street	Clause 80	SM	CR	11/07/2012	MF CORR 842	05/08/2012	Y	See TNC 642	£2,586.99	N/A	TBA	10/12/2012	CEC	10/12/2012	£2,586.99	11/12/2012	MF CORR 842.1	CO	TCO issued with agreed value, also covers TNC 644	
663	121	568	Off Street - Depot	Purchase of Heats Fencing surrounding Mink Test Track at Gage Depot	Prevent access to mink test track during Train Testing and Commissioning	Off Street	Clause 80	SM	UC	14/07/2012	MF CORR 844	N/A	Y	ILS 2012	N/A	£6,429.88	None	09/07/2012	CEC	09/07/2012	£6,429.88	14/07/2012	MF CORR 844	Y		
664	203	595	Off Street - Gage Cable Access Road	Additional Area of High Friction Surfacing	Construction Works Following Road Safety Audit	Off Street	Clause 80	DL	DC	04/09/2012	MF CORR 862	01/10/2012	Y	09/10/2012	N/A	SEE TCO 591 Rev A		09/09/2012	CEC	09/09/2012	SEE TCO 591 Rev A	06/09/2012	MF CORR 862	N		
664.1	203	591 Rev A	Off Street - Gage Cable Access Road	Additional Area of High Friction Surfacing, TCO 591 Rev A related to agreed charge	Construction Works Following Road Safety Audit	Off Street	Clause 80	DL	DC	see TNC 664	see TNC 664	see TNC 664	see TNC 664	see TNC 664	see TNC 664	N/A	£3,186.34		22/10/2012	CEC	22/10/2012	£3,186.34	06/11/2012	MF CORR 862.1	CO	
665	184		On Street - Princes St	Removal of Princes Street "plug"	Additional works required to decommission equipment required to facilitate the plug	On Street	Schedule 45	RL	UC	14/09/2012	MF CORR 858	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	TBA	11/09/2012	CEC	13/09/2012	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45			
665.1	184		On Street - Princes St	Removal of Princes Street "plug". Rev A Additional dimension sign set for the closure of York Place should be modified to reflect that the signed route to/from Queen St will be via North/South St David Street and Princes St	Additional works required to decommission equipment required to facilitate the plug	On Street	Schedule 45	RL	UC	21/09/2012	MF CORR 858	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	TBA	20/09/2012	CEC	20/09/2012	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45			
665.2	184		On Street - Princes St	Removal of Princes Street "plug". Rev B Further works required east of plug	Additional works required to decommission equipment required to facilitate the plug	On Street	Schedule 45	RL	UC	24/09/2012	MF CORR 858	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45	TBA	10/09/2012	CEC	10/09/2012	N/A - Schedule 45	N/A - Schedule 45	N/A - Schedule 45			
666	173	591	Off Street - Section 5A	Provide a Pedestrian Gate next to the Vehicle access gate at the Scot's Depot	Request to Provide Pedestrian Access	Off Street	Clause 80	SM	UC	19/07/2012	MF CORR 848	14/08/2012	Y	09/10/2012	N/A	£4,397.64		14/07/2012	CEC	14/07/2012	19/07/2012	MF CORR 848	Y	MF CORR 848 (30.15 TCO)		
666.1	173	591 Rev A	Off Street - Section 5A	Provide a Pedestrian Gate next to the Vehicle access gate at the Scot's Depot	Request to Provide Pedestrian Access	Off Street	Clause 80	SM	UC	19/07/2012	MF CORR 848	14/08/2012	Y	09/10/2012	N/A	£4,397.64	TBA	17/12/2012	CEC	17/12/2012	10/12/2012	MF CORR 848.1	N			
667	170	594	Off Street - Site Wide	Call off Service to respond to Network Rail Technical Queries and Interface Issues on the ETLs	Set up call off service to deal with ongoing Network Rail Technical Queries and Interface Issues	Off Street	Clause 80	DL	UC	11/07/2012	MF CORR 846	TIME CHARGE TNC	Y	07/05/2012	N/A	£9,456.49	N/A	TBA	09/07/2012	CEC	09/07/2012	11/07/2012	MF CORR 846	Y	TMC/TCO for Call Off Service to deal with Network Rail Queries, some items incorrectly allocated, estimate should be reduced to £ 5k, remainder re-allocated to TNC 635	
667.1	170	594.1	Off Street - Site Wide	Call off Service to respond to Network Rail Technical Queries and interface issues on the ETLs, Rev A - Uplift n/needed value to £ 15k	Set up call off service to deal with ongoing Network Rail Technical Queries and Interface Issues	Off Street	Clause 80	DL	UC	04/09/2012	MF CORR 863	TIME CHARGE TNC	N		N/A	TBA		01/09/2012	CEC	01/09/2012	06/09/2012	MF CORR 863	Y	Nil to exceed value increased to £ 15k		
667.2	170	594.2	Off Street - Site Wide	Call off Service to respond to Network Rail Technical Queries and interface issues on the ETLs, Rev B - Additional scope item to move traffic light	Deal with air access to Margen Onsite site office	Off Street	Clause 80	DL	UC			TIME CHARGE TNC	Y	06/12/2012	N/A	£9,892.67	TBA	25/09/2012	CEC	25/09/2012						
668	171	595	On Street - York Place	De-scope of Intrao works for Transfer to Crummock	Programme Mitigation and Cost Engineering Proposals	On Street	Clause 80	RL	CR	11/07/2012	MF CORR 847	N/A - AGREED	Y	N/A - AGREED	N/A	£1,035,155.80	TBA	14/07/2012	CEC	14/07/2012	£1,035,155.80	12/07/2012	MF CORR 847	CO	URGENT TMC/TCO FOR YORK PLACE, CEC APPROVED TO ISSUE	
669	159	622	Off Street - Section 6	159 Remedial Works - cracked at flow regulation Land	Backfill following CDR diversion works	Off Street	Clause 80	DL	UC	17/07/2012	MF CORR 849	10/08/2012	Y	10/10/2012	N/A	£34,563.99	TBA	14/07/2012	CEC	14/07/2012	14/08/2012	MF CORR 849	N			
670	177	592	On Street - Princes St Road Safety Audit	177 Respondents RSA for Princes St	Required to enable CEC to conclude Road Safety Audit	On Street	Clause 80	RL	CR	06/08/2012	MF CORR 848	10/08/2012	Y	SEE TCO 592 Rev A	SEE TCO 592 Rev A	N/A	TBA	21/07/2012	CEC	21/07/2012	06/08/2012	MF CORR 848	Y	ISSUED AS CLAUSE 80 15 TCO		
670.1	177	592.1	On Street - Princes St Road Safety Audit	177 Respondents RSA for Princes St, TCO 592 Rev A to agree estimate amount submitted under TMC	Required to enable CEC to conclude Road Safety Audit	On Street	Clause 80	RL	CR	06/08/2012	MF CORR 848	10/08/2012	Y	04/09/2012	£1,630.71	N/A	TBA	08/10/2012	CEC	08/10/2012	£1,630.71	11/03/2012	MF CORR 848.1	CO		
671		597	Off Street - ScotRail	ScotRail (new) Car Park Security Fence	Prevent unauthorised access to car park	Off Street	Clause 80	SM	UC	22/07/2012								25/07/2012							TMC AND TCO IN DRAFT CURRENTLY UNDER DISCUSSION	
672	207	608	On Street - Drainage Design	Review and revise Drains ULR9230-01 - CNE 0056, 17, 18, 22, 23 and 24 to show the layout required to avoid obstructions	Significant utilities located within this area impacting this current proposed design	On Street	Clause 80	RL	UC	06/09/2012	MF CORR 857	02/10/2012	N		N/A	TBA	27/09/2012	CEC	27/09/2012	TCO for CEC Approval on 0.10.12	05/09/2012	MF CORR 857	Y			
672.1	207	608.1	On Street - Drainage Design	Review and revise Drains ULR9230-01 - CNE 0056, 17, 18, 22, 23 and 24 to show the layout required to avoid obstructions. Rev A TCO with n/needed value of £ 6k	Significant utilities located within this area impacting the current proposed design	On Street	Clause 80	RL	UC	See TNC 672 + TCO 608	See TNC 672 + TCO 608	See TNC 672 + TCO 608	N		N/A	TBA				TCO for CEC Approval on 8.10.12	11/03/2012	MF CORR 857.1	Y			

TRC No.	PAC No.	TEO No.	Location	Description	Reason For Change	On Street / Off Street	Classified By / Schedule 15 Reference	T&E Change Class	Change Category DR, DL, CR, OR	Date T&E Issued	Letter Ref	Date Estimate Due	Estimate Returned N.Y.	Date Estimate Received	Estimate Change Value (Dr-Ups)	Estimate Change Value (Construction)	Tax Implications	Date Issued to CEC	Approved BY CEC / SA	Date Approved or Rejected	Agreed To for Approved Contract Changes	Date TCO Issued	TCO Letter Ref	TCO RETURNED N.Y./CLOSED OUT	Comments
745			Off Street	Remove Buff coloured H&S from Canick Knave Bridge and Edinburgh Park Viaduct	No technical requirement for surfacing at these locations. V&T opportunity.	Off Street	Classified 00	SM	CR									26/01/2013	CEC	26/01/2013					
746		643	Off Street	Underline approved signage work at MurrayHill Transitg.	Not cost	Off Street	Classified 00	SM	CR									28/01/2013	CEC	28/01/2013					

Appendix 5 – Risk Register

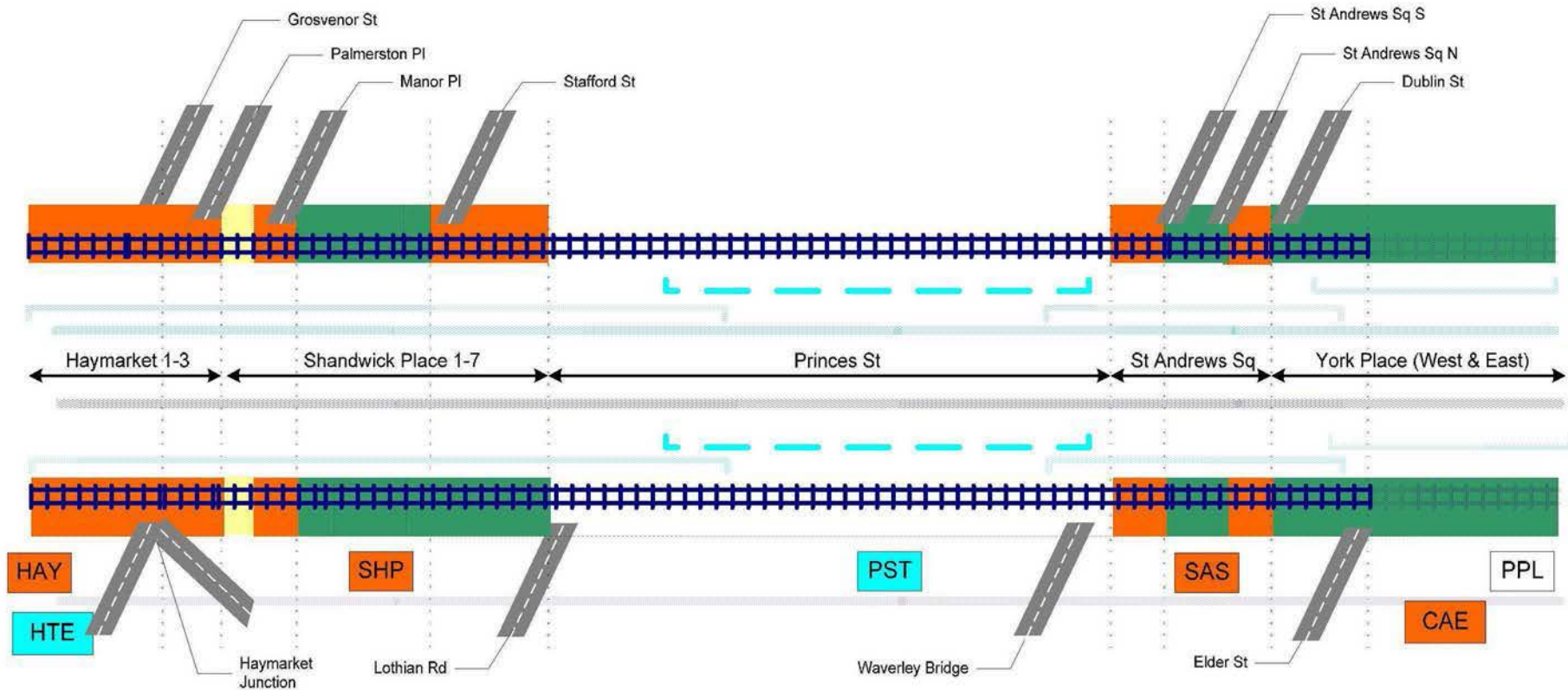
Risk Name		Risk Description		Risk Category		Risk Status		Risk Priority		Risk Impact		Risk Mitigation		Risk Monitoring		Risk Reporting	
ID	Title	Category	Description	Phase	Priority	Impact	Frequency	Severity	Score	Owner	Start	End	Update	Next Review	Reporting Period	Reporting Method	Reporting Frequency
E001
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Risk Title		Risk Description		Risk Category		Risk Status		Risk Priority		Risk Impact		Risk Mitigation		Risk Owner		Risk Update		Risk Review		
ID	Title	Description	Category	Status	Priority	Impact	Frequency	Severity	Score	Owner	Start	End	Update	Review	Owner	Start	End	Update	Review	
R001	System integration with legacy systems	Integration of new system with existing legacy systems may cause data loss or system downtime.	Integration	Active	High	Severe	Medium	High	15	IT Department	2023-01-01	2023-03-31	2023-03-15	2023-03-31	IT Department	2023-01-01	2023-03-31	2023-03-15	2023-03-31	
R002	Hardware procurement delays	Delays in procuring hardware components could impact project timeline.	Procurement	Active	Medium	Medium	Low	Medium	8	Procurement Dept	2023-02-01	2023-04-30	2023-03-20	2023-04-30	Procurement Dept	2023-02-01	2023-04-30	2023-03-20	2023-04-30	
R003	Security vulnerabilities	Identified security vulnerabilities in the application could be exploited by attackers.	Security	Active	High	Critical	High	High	18	Security Team	2023-01-15	Ongoing	2023-03-10	Ongoing	Security Team	2023-01-15	Ongoing	2023-03-10	Ongoing	2023-03-10
R004	Resource allocation issues	Key personnel are over-allocated to other projects, affecting progress.	Resource	Active	Medium	Medium	Medium	Medium	10	Project Manager	2023-01-01	2023-05-31	2023-03-15	2023-05-31	Project Manager	2023-01-01	2023-05-31	2023-03-15	2023-05-31	
R005	Scope creep	Uncontrolled changes to project requirements could lead to budget overruns.	Scope	Active	Medium	Medium	High	Medium	12	Product Owner	2023-01-01	Ongoing	2023-03-15	Ongoing	Product Owner	2023-01-01	Ongoing	2023-03-15	Ongoing	2023-03-15
R006	Vendor performance	Third-party vendors are not meeting quality standards or delivery schedules.	Vendor	Active	Medium	Medium	Medium	Medium	9	Vendor Management	2023-02-01	2023-06-30	2023-03-20	2023-06-30	Vendor Management	2023-02-01	2023-06-30	2023-03-20	2023-06-30	
R007	Regulatory compliance	Changes in industry regulations may require system updates.	Compliance	Active	Medium	Medium	Low	Medium	7	Legal/Compliance	2023-03-01	Ongoing	2023-03-15	Ongoing	Legal/Compliance	2023-03-01	Ongoing	2023-03-15	Ongoing	2023-03-15
R008	Market competition	New market entrants are offering similar services at lower prices.	Market	Active	Medium	Medium	Medium	Medium	10	Marketing	2023-01-01	Ongoing	2023-03-15	Ongoing	Marketing	2023-01-01	Ongoing	2023-03-15	Ongoing	2023-03-15
R009	Customer churn	Increasing number of customers canceling subscriptions.	Customer	Active	High	Medium	High	High	14	Customer Support	2023-01-01	Ongoing	2023-03-15	Ongoing	Customer Support	2023-01-01	Ongoing	2023-03-15	Ongoing	2023-03-15
R010	Supply chain disruptions	Global supply chain issues affecting component availability.	Supply Chain	Active	Medium	Medium	Medium	Medium	9	Supply Chain Mgmt	2023-02-01	2023-07-31	2023-03-20	2023-07-31	Supply Chain Mgmt	2023-02-01	2023-07-31	2023-03-20	2023-07-31	
R011	Intellectual property	Potential infringement of patents or trademarks.	IP	Active	High	Critical	High	High	17	Legal	2023-01-15	Ongoing	2023-03-10	Ongoing	Legal	2023-01-15	Ongoing	2023-03-10	Ongoing	2023-03-10
R012	Partnership dissolution	Key business partners are considering exiting the market.	Partnership	Active	Medium	Medium	Medium	Medium	11	Business Dev	2023-02-01	2023-08-31	2023-03-20	2023-08-31	Business Dev	2023-02-01	2023-08-31	2023-03-20	2023-08-31	
R013	Disaster recovery	Insufficient disaster recovery plan for critical data.	Disaster	Active	High	Critical	High	High	16	IT Operations	2023-01-01	Ongoing	2023-03-15	Ongoing	IT Operations	2023-01-01	Ongoing	2023-03-15	Ongoing	2023-03-15
R014	Employee turnover	High attrition rate among key technical staff.	HR	Active	Medium	Medium	Medium	Medium	10	HR Department	2023-01-01	Ongoing	2023-03-15	Ongoing	HR Department	2023-01-01	Ongoing	2023-03-15	Ongoing	2023-03-15
R015	Brand reputation	Negative publicity from a recent incident.	Brand	Active	High	Medium	High	High	13	PR/Marketing	2023-02-01	Ongoing	2023-03-20	Ongoing	PR/Marketing	2023-02-01	Ongoing	2023-03-20	Ongoing	2023-03-20
R016	ESG (Environmental, Social, Governance)	Failure to meet ESG targets could affect investor confidence.	ESG	Active	Medium	Medium	Medium	Medium	9	ESG Team	2023-03-01	2023-09-30	2023-03-15	2023-09-30	ESG Team	2023-03-01	2023-09-30	2023-03-15	2023-09-30	
R017	AI integration	AI implementation is slower than expected, affecting productivity.	AI	Active	Medium	Medium	Medium	Medium	10	AI Research	2023-01-01	Ongoing	2023-03-15	Ongoing	AI Research	2023-01-01	Ongoing	2023-03-15	Ongoing	2023-03-15
R018	Blockchain adoption	Blockchain technology adoption is slower than anticipated.	Blockchain	Active	Medium	Medium	Medium	Medium	10	Blockchain Dev	2023-02-01	Ongoing	2023-03-20	Ongoing	Blockchain Dev	2023-02-01	Ongoing	2023-03-20	Ongoing	2023-03-20
R019	Quantum computing	Quantum computing research is advancing rapidly, posing future threats.	Quantum	Active	High	Critical	High	High	17	Quantum Research	2023-01-01	Ongoing	2023-03-15	Ongoing	Quantum Research	2023-01-01	Ongoing	2023-03-15	Ongoing	2023-03-15
R020	Space exploration	Space exploration programs are increasing, requiring new infrastructure.	Space	Active	Medium	Medium	Medium	Medium	10	Space Program	2023-03-01	Ongoing	2023-03-15	Ongoing	Space Program	2023-03-01	Ongoing	2023-03-15	Ongoing	2023-03-15
R021	Autonomous vehicles	Autonomous vehicle development is progressing, affecting transportation.	Autonomous	Active	Medium	Medium	Medium	Medium	10	Autonomous Dev	2023-02-01	Ongoing	2023-03-20	Ongoing	Autonomous Dev	2023-02-01	Ongoing	2023-03-20	Ongoing	2023-03-20
R022	Biotechnology	Biotechnology breakthroughs are accelerating, impacting healthcare.	Biotech	Active	Medium	Medium	Medium	Medium	10	Biotech Research	2023-01-01	Ongoing	2023-03-15	Ongoing	Biotech Research	2023-01-01	Ongoing	2023-03-15	Ongoing	2023-03-15
R023	Renewable energy	Renewable energy adoption is increasing, affecting power generation.	Renewable	Active	Medium	Medium	Medium	Medium	10	Renewable Energy	2023-02-01	Ongoing	2023-03-20	Ongoing	Renewable Energy	2023-02-01	Ongoing	2023-03-20	Ongoing	2023-03-20
R024	Artificial intelligence	AI advancements are reshaping various industries.	AI	Active	Medium	Medium	Medium	Medium	10	AI Applications	2023-01-01	Ongoing	2023-03-15	Ongoing	AI Applications	2023-01-01	Ongoing	2023-03-15	Ongoing	2023-03-15
R025	Cloud migration	Cloud migration projects are complex and time-consuming.	Cloud	Active	Medium	Medium	Medium	Medium	10	Cloud Migration	2023-02-01	Ongoing	2023-03-20	Ongoing	Cloud Migration	2023-02-01	Ongoing	2023-03-20	Ongoing	2023-03-20
R026	5G network	5G network deployment is accelerating, changing connectivity.	5G	Active	Medium	Medium	Medium	Medium	10	5G Network	2023-03-01	Ongoing	2023-03-15	Ongoing	5G Network	2023-03-01	Ongoing	2023-03-15	Ongoing	2023-03-15
R027	Edge computing	Edge computing is enabling new applications and services.	Edge	Active	Medium	Medium	Medium	Medium	10	Edge Computing	2023-02-01	Ongoing	2023-03-20	Ongoing	Edge Computing	2023-02-01	Ongoing	2023-03-20	Ongoing	2023-03-20
R028	IoT devices	IoT device proliferation is increasing, raising security concerns.	IoT	Active	Medium	Medium	Medium	Medium	10	IoT Security	2023-01-01	Ongoing	2023-03-15	Ongoing	IoT Security	2023-01-01	Ongoing	2023-03-15	Ongoing	2023-03-15
R029	AR/VR	AR/VR technologies are being used in education and training.	AR/VR	Active	Medium	Medium	Medium	Medium	10	AR/VR Development	2023-02-01	Ongoing	2023-03-20	Ongoing	AR/VR Development	2023-02-01	Ongoing	2023-03-20	Ongoing	2023-03-20
R030	Metaverse	Metaverse platforms are gaining traction, changing digital experiences.	Metaverse	Active	Medium	Medium	Medium	Medium	10	Metaverse Development	2023-03-01	Ongoing	2023-03-15	Ongoing	Metaverse Development	2023-03-01	Ongoing	2023-03-15	Ongoing	2023-03-15

San Joaquin Hills Project Risk Register																																							
ID	Title	Description	Status	Owner	Risk Category	Risk Level	Risk Analysis - Pre Mitigation									Risk Analysis - Post Mitigation																							
							Probability			Impact			Overall			Probability			Impact			Overall																	
							Low	Medium	High	Low	Medium	High	Low	Medium	High	Low	Medium	High	Low	Medium	High	Low	Medium	High															
830	Construction of the new water plant	Design and construction of the new water plant	Construction	San Joaquin Hills	Construction	Medium	5	3	8	8	8	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
831	Construction of the new water plant	Design and construction of the new water plant	Construction	San Joaquin Hills	Construction	Medium	5	3	8	8	8	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15

Appendix 6 – On Street Schematic

On Street Schematic



Legend			
Utilities Works		Rail Systems	
Track Civils		OHLE / E&M	
		Carriageway/Civils	
		Signalling	
		Comms	
		Stop/Station Complete	

Appendix 7 – Organisation Chart

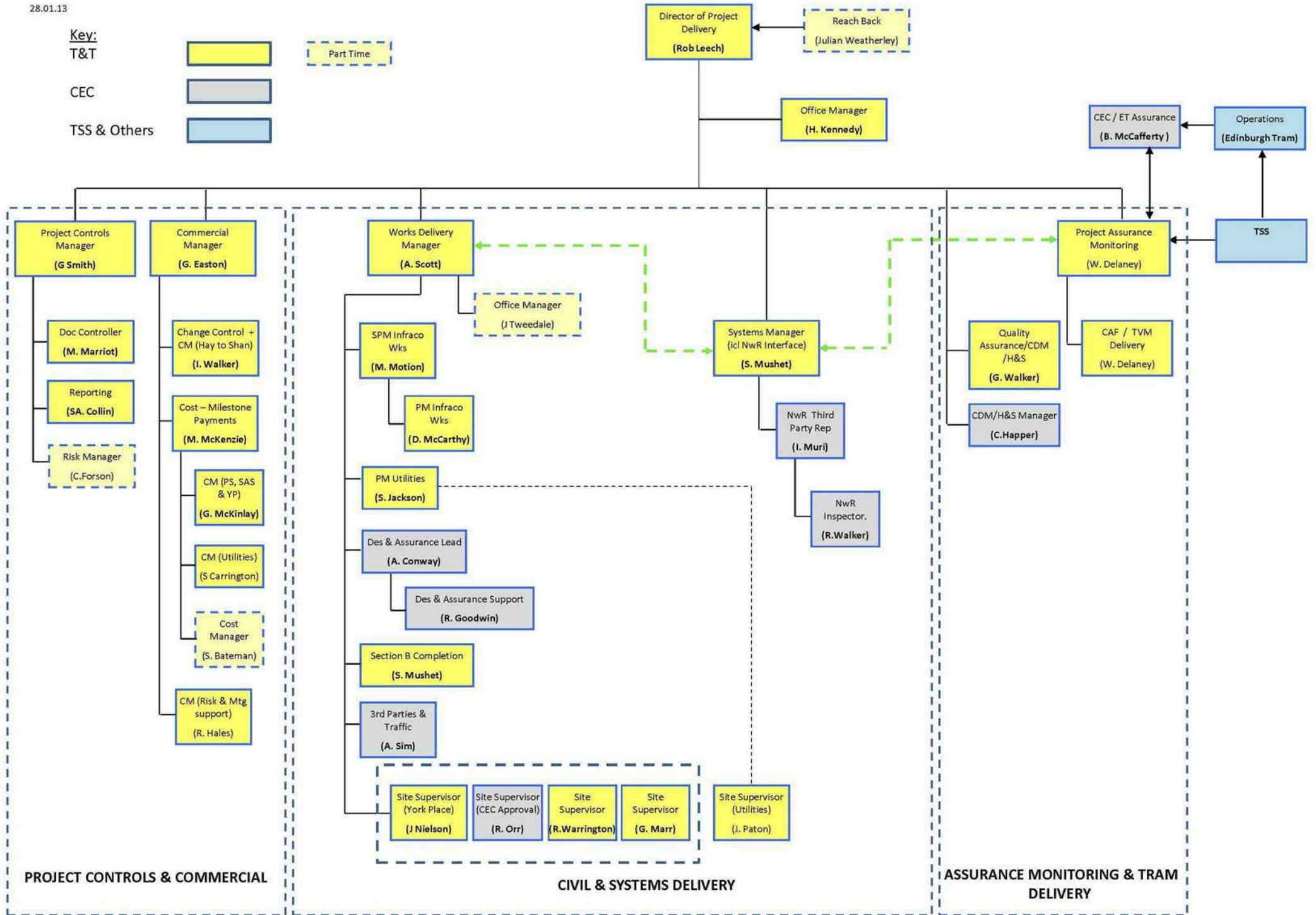
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Key:

T&T Part Time

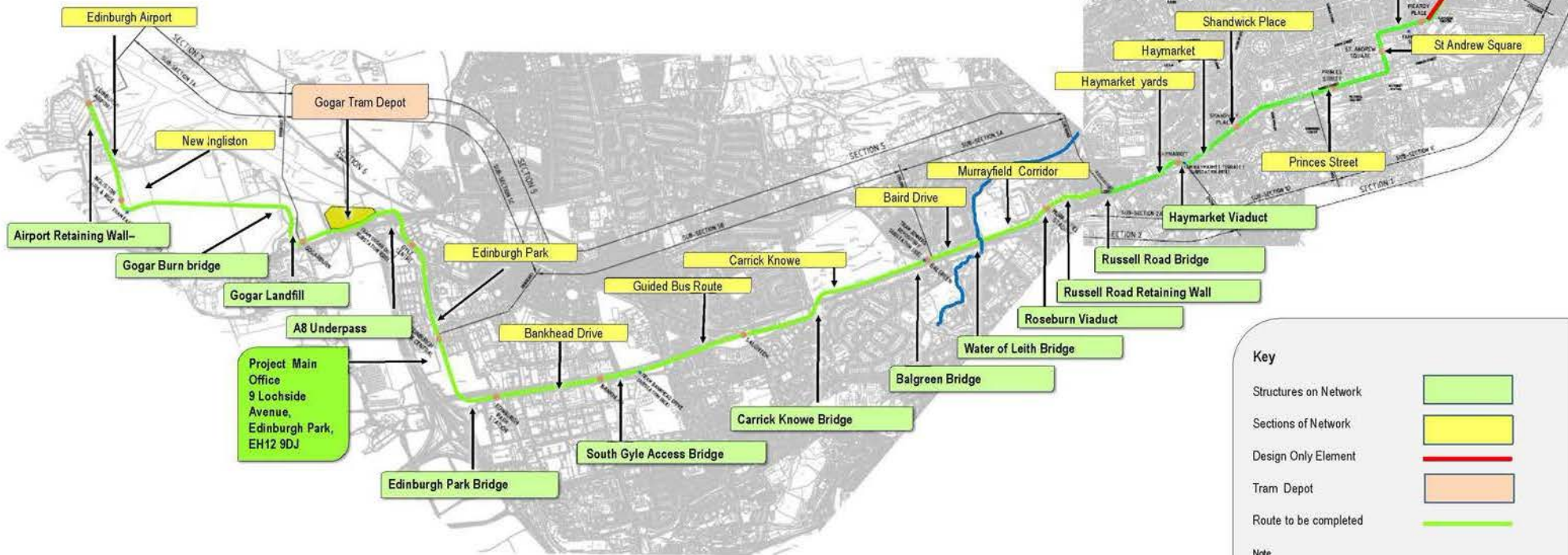
CEC

TSS & Others



Appendix 8 – Route Map

Edinburgh Tram Network – Route Map & Key Locations



CEC02085657_0123

Appendix 9 – Acronyms

ACRONYMS

ACCB	Accommodation and Boundary Works
AiP	Approval in Principle
ANC	Advice of Non Compliance
APPP	Prior Approvals – Detail Design
APPR	Approvals
APPT	Technical Approvals – Detail Design
ARCH	Architecture
AUXI	Auxilliary Power
BAA	British Airports Authority
BBS	Bilfinger Berger Siemens
BLDS	Buildings
BRDG	Bridges
BSC	Bilfinger Berger / Siemens / CAF - previous consortium
CAF	Tram Provider - (Construcciones y Auxiliar de Ferrocarriles)
CAR	Corrective Action Request
CAR	Water Environment (Controlled Activities) Regulations 2011
CDM	Construction (Design and Management) Regulations 2007
CEC	City of Edinburgh Council
CECS	CEC Services
CFS	Case for Safety
CHAR	Charette Changes
COCP	Code of Construction Practice
COMM	Commissioning
CVI	Confirmation of Verbal Instruction
DAS	Design Assurance Statement
DASB	Design – As Built
DaST	Deliver a Safe Tram
DDAP	Detailed Design Assurance Plan
DEMO	Demolition
DEPO	Depot
DKE	Dynamic Kinetic Envelope
DoC	Declaration of Conformity
DRAN	Drainage
DtTS	Deliver the Tram Safely
E&M	Electrical & Mechanical
EAL	Edinburgh Airport Limited
EART	Earthworks / Embankments
ELEC	Electricity
EMC	Electromagnetic Compatability
ENVI	Environmental
ER's	Employers Requirements
ESM	Engineering Safety Management
FAT	Factory Acceptance Test
FATs	Factory Acceptance Tests
GASS	Gas
GEOT	Geotechnical
HAZID	Hazard Identification Study
HAZOP	Hazard and Operability Study
HIGH	Highways
HIRA	Hazard Identification and Risk Assessment
HMRI	Railway Inspectorate
HS	Historic Scotland
HSE	Health and Safety Executive
HV	High Voltage
ICCO	Independent Certifiers Change Order
ICP	Independent Competent Person

IDC	Inter Disciplinary Check
IDR	Inter Disciplinary Review
Infraco	Infrastructure contract
ISA	Independent Safety Assessor
ISRP	Infrastructure Safety Review Panel
ITP	Inspection and Test Plan
JNCS	Junctions
KPI	Key Performance Indicator
LAND	Landscaping
LIGH	Lighting
LOLER	Lifting Operations and Lifting Equipment Regulations 1998
MANA	Management
MECH	Mechanical
MILE	Milestones
MISC	Miscellaneous
MODL	Modelling
MUDFA	Multi-Utility Diversions Framework Agreement
MUDFA	Multi Utility Diversions Framework Agreement
MULT	Multi-Discipline
NCR	Non Conformance Report
NR	Network Rail
NWR	Network Rail
O&M	Operation and Maintenance
OCC	Operational Control Centre
OCIP	Owner Controlled Insurance Policy
OCL	Overhead Catenary Line
OLE	Overhead Line Equipment
ORA	Operational Risk Assessment
ORR	Office of Rail Regulation
ORS	Operational Radio System
OTHW	Other Works
PHA	Preliminary Hazard Analysis
PLAT	Platforms
PM	Planned Maintenance
POWR	Power (Traction)
PSCC	Project Safety Certification Committee
QCRA	Quantified Cost Risk Analysis
QRA	Quantified Risk Analysis
QSRA -	Quantative Schedule Risk Analysis
RAIB	Rail Accident Investigation Branch
RAM	Reliability Availability Maintainability
REL	Railway Electrification
RFI	Request for Information
RFO	Request for Opinion
RIDDOR	Reporting of Injuries, Diseases and Dangerous Occurences Regulations 1995
ROGS	The Railway and other Guided Transport System (Safety) Regulations 2006
RSA	Road Safety Audit
RSAR	Road Safety Audit Report
S&T	Signalling and Telecoms
SAC	Safety Application Condition
SAT	System Acceptance Test
SATs	Site Acceptance tests
SCADA	Supervisory Control and Data Acquisition
SDS	System Design Services
SEPA	Scottish Environmental Protection Agency
SEWR	Sewerage
SFAIRP	So Far As Is Reasonably Practicable
SGN	Scotland Gas Networks
SI	Site Instruction
SIGN	Signalling
SIT	System Integration Test
SMS	Safety Management System
SNH	Scottish Natural Heritage
SP	Scottish Power
STAK	Stakeholder
STRL	Street Lighting
STRU	Structures / Retaining Structures
SUBM	Submissions
SUBS	Sub-Stations
SURV	Surveys

SW	Scottish Water
TPS	Traction Power Supply
T&T	Turner & Townsend
TCO	Tie Change Order
TM	Traffic Management
TNC	Tie Notice of Change
TS	Transport Scotland
TSS	Technical Support Services
UCO	Utilities Change Order
UNC	Utilities Notice of Change