EDINBURGH TRAM PROJECT

Risk Allocation Report

Sim Run P90 1A+1B

Current Period End 08-Dec-07

51647.10 £k

Risk Mean Sum 38634.25 £k Total Allocation £k
Phase 1A Phase 1B
47036.89 4610.21 £k

isk Even 7.3 Infraco 1336.09 159.06 Two stage tender pricing does not Price certainty is not achieved Price creep post tender (during pre-12-Jan-07 03-Jan-12 4,997.26 6680.45 achieve price certainty for works at first construction period). Tender evaluation period exceeds 2 months currently planned. Bidder may attempt to price lov at first stage. 7.2 MUDFA/Utilities 437.44 Re-design and delay as investigation takes 95.00% 2000 31-Dec-08 4 908 40 6561.65 6233.57 328.08 Utilities assets uncovered during Unknown or abandoned assets or place and solution implemented; Increase in Capex cost as a result of additional construction that were not previously unforeseen/contaminated ground conditions affect accounted for; unidentified abandoned utilities assets; asbestos found in scope of MUDFA work. excavation for utilities diversion unknown cellars and basements intrude into works area; other physical obstructions; other contaminated land General delay to programme with various causes e.g. failure to obtain Inflation at 5% causes increased out-turn cost due to delay plus revenue loss 20.00% 5900 1.7 Miscellaneou Delay to completion of project 15200 22600 31-Dec-10 31-Dec-11 2,903.04 3880.85 3104 68 776 17 3880 85 approvals on time; parliamentary processes, delays due to lack of prioritisation of BAA agreement with 7.3 Infraco SDS Designs are late and do not Infraco does not have detail to achieve contract close Delay to due diligence and start on site 94.50% 31-Jan-07 31-Jan-08 1263.30 2.835.00 3789 89 100 3789.89 0.00 without provisional designs and need to appoint aditional design consultants 1.1 Land & Property 352 Higher land compensation claims than anticipated 70.00% 0 5750 05-Mar-07 31-Dec-10 2,015.57 2694.46 100 2694.46 0.00 65.72 7.2 MUDEA/Utilities ocrease in MUDFA costs or delays as a 90.00% 0 139 Utilities diversion outline specification | Uncertainty of Utilities location and consequently 4000 02-Apr-07 31-Dec-08 1,795.70 2400.53 2280.50 120.03 160.04 required diversion work/ unforeseen utility services within LoD result of carrying out more diversions than 5 PALIAMENTARY PROCESS/ APPROVALS ent/Parliament not persuaded Proposed Scottish Executive amendment of the Traffic Public hearing required with additional cost 50.00% 01-May-07 31-Oct-08 1,500.00 2005.23 2005.23 0.00 154.25 of case for amendmnet to Traffic Order Order Regulations fails thereby triggering public hearing (£1m) plus delay to making of TRO(s). Regulations. Requirement for a Public hearing leads to greater risk of mandatory publi hearing for TROs remains adding approximately 1 year to time required to confirm Orders. gap period - some constructed Infraco street features may require to be removed or altered to accord with made TRO. 7.3 Infraco Scope of works relating to Wide Area Uncertainty about extent of construction works required Potential claim from SDS to deal with 95.00% 0 03-Jul-06 158.88 1906.54 100 1906.54 0.00 1,426.17 Modelling (WAM) have not been agreed with SDS because they on road network relating to Wide Area Modelling issues. additional design work; Potential construction costs to deal with WAM consider this to be out with the scope issues (difficult to quantify without design of their contract. over and above those already included. 7.3 Infraco Completion of MUDFA works is delayed (due to late 01-Oct-07 31-Jan-08 565.21 Poor design and review processes; 1695.64 1.268.41 cumbersome approvals process; design/approvals) - late utility diversions in advance of Infraco contract; Infraco could end up reiterative design/approvals process. delay to commencement or with utility diversion and would have to price for or have to carry out unplanned resequencing; Claims from MUDFA as a result of being unable to proceed with Tram alignment at A8 crossing at Gogar co-incides BT data nests/cable A8 crossing tunnel requires special design or BT data nest/cables require to be moved 7.2 MUDEA/Utilities Capex cost to cover BT data nest/cable 80.00% 1000 1250 04-Apr-07 30-Sep-08 12 999.72 1336.44 1336 44 0.00 111 37 move; additional design costs; delay while works to undertake move are carried out; (main coms link between Glasgow and Edinburgh) additional tunnelling costs. 7.3 Infraco SDS does not provide its defined Poor definition of design and Employers Requirements Creates impact on the Infraco ability to 02-Oct-06 900.41 1203.69 1203.69 401.23 deliverables (technical specs) in develop its tender - pricing and supply chain. Increase in time for BAFO and accordance with the SDS contract. Infraco Proposals not fully considered Delay in achievement of TRO(s) due to a large number Requirement to start construction using 31-Dec-09 1203.14 1203.14 42.97 900.00 PROCESS/ APPROVALS statutory consultation process. Large of public objections and/or a legal challenge to using a TTROs number of objections. TRO process is TTRO to construct Infraco 2 PROCUREMENT SDS contractor does not deliver the Late prior aproval consents 1800 30-Jun-06 30-Nov-08 1201.02 1080.92 120.10 85.79 Delay to programme with additional 50.00% 900 2700 898.42 CONSULTANT required prior approval consents resource costs and delay to infraco 7.2 MUDFA/Utilities 02-Mar-07 31-Dec-08 1117.58 1061.70 55.88 74.51 Statutory Utility Companies unable to meet design Additional period required for design 95.00% 836.00 turnaround time does not reflect SUC approval/acceptance turnaround time to meet approval/acceptance turnaround standard practice; SUCs do not have enough resource or process capability to achieve 20 day turnaround 1.1 Land & Property Land and property values experience a Part 1 Claims for land and property - (Noise and net reduction in value as a result of the Vibration) Possible successful claims resulting in increased costs to project with impact after 50.00% 0 30-Dec-15 826.67 1105.11 1105.11 0.00 1105.11 introduction of the Tram

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isk Even 7.3 Infraço 931 Utilities assets uncovered during Unknown or abandoned assets impacts scope of Infraco Re-design and delay as investigation takes 90.00% 500 01-Oct-07 31-Jul-10 675.28 902.73 722.18 180.55 place and solution implemented; Incre in Capex cost as a result of additional utilities assets; known redudant utilities; unknown live utilities; unknown 5 PALIAMENTARY Inadequate quality of submission of Failure to process prior approvals applications within 8 Delay and disruption to Infraco programme 80.00% 750 750 03-Jan-06 29-Aug-08 666.77 891.35 891 35 0.00 81.03 ROCESS/ APPROVALS package. Programme compression. Lack of CEC resources. 3 DESIGN Change in Design Kinematic Envelope Detail design leads to kinematic envelope impact on Realignment of track to accommodate an 50.00% 0 01-Nov-08 844.05 675.24 168.81 64.93 631.38 increased 3 dimensional safe zone around vertical and horizontal alignment the preferred route Delay to programme; Risk transfer 7.3 Infraco Third party consents including Network Rail, CEC 03-Jul-06 31-Dec-09 751.96 83.55 835.51 625.00 response by bidders is to return risk to tie; Increased out-turn cost if transferred and Planning, CEC Roads Department, Historic Scotland. Building Fixing Owner consent is denied or delayed so as a result of any delay due to 5 PALIAMENTARY Inadequate information supplied by tie. CEC failure to sign legal agreement - legal oficer level Delay to commencement of contract 17.50% 2000 26-Nov-07 31-Jan-08 585.82 292.91 2500 3000 438.22 585.82 100 0.00 PROCESS/ APPROVALS Base estimate does not account for 50.00% 100 01-Jan-08 31-Dec-10 112.36 14.40 7.3 Infraco Additional treatment costs and protective 561.78 449.43 Hazardous materials encountered during construction 420.24 ence of hazardous materials on Occurrence of any delay caused by Utilities Works, MUDFA Works, breach of Third Party Agreements, Unplanned City Events, New Utilities and/or any other event referred to as a Compensation Event 7.3 Infraço 12.73 Delay and additional cost 40.00% 1000 27-Sep-07 31-Dec-11 400.00 534.73 507.99 26.74 Tunnel may have to be decommissioned and re-laid in a more suitable location; 7.2 MUDFA/Utilities Scottish Power own and maintain a Presence of Scottish Power tunnel in Leith Walk 80.00% 400 02-Apr-07 31-Oct-08 399.98 534.70 534.70 cable tunnel in the vicinity of Leith Walk that may or may not interfere with tram alignment may require to be adjusted; special foundation soluiton e.g. cantilever Tram construction and operation: exact location and depth of tunnel is unknown; condition of tunnel is may be required; increased capex; potential for tunnel collapse during unknown. operation and consequent disruption for 5 PALIAMENTARY PROCESS/ APPROVALS tie fail to provide CEC with all relevant CEC lack the opportunity for informed decision making Delay to project. Increased financial 13-Aug-07 31-Dec-10 375.04 501.36 451.22 50.14 12.23 iability. Impact on quality. manner. tie fail to follow agreed 7.3 Infraço 178 Procurement Strategy novates SDS to Infraco due diligence process reveals that design rework Bids will be higher than envisaged in base 75.00% InfraCo after Detailed Design; Limited will be required after novation of SDS. 02-Oct-06 31-Jan-08 375.00 501.31 401.05 100.26 167.10 input on buidability from Infraco. 5 PALIAMENTARY SDS are behind programme with design review certificates and tie have decided not to extend programme 167.06 400.94 100.23 CEC carry financial impact of uncertified designs Modifications required to the designs post- 50.00% 500 contract award resulting in additional costs 13-Aug-07 31-Jan-08 374.90 501.17 PROCESS/ APPROVALS eriod to account for this. 7.4 Tramco Not controlled by Project Trams are not delivered; legal costs; delay 1.00% 25000 01-Mar-07 31-Jan-08 250.00 334.21 267.36 66.84 111.40 1.3.1 NR Immunisation Project 935 unisation project not prioritised by Network Rail do not deliver the immunisation works Tram cannot be commissioned to 80.00% 100 30-Apr-09 31-Dec-10 21 239.88 320.68 100 320 68 0.00 15 27 Network Rail; Network Rail resources diverted to other projects or emergencies; Multiple iterations of design development; Tram requirements change as a result of Tram design development; Network Rail standards changes; Tram programme not able to be achieved in 2.2 Transdev Design, construction and/or testing Transdev refuse to operate system on safety ground or Delay to comencement of service. 5.00% 3000 4500 30-Jun-09 31-Dec-10 239.20 59.80 15.74 223.67 299.00 apply overly restrictive procedures that are not directly additional cost both for delay and the responsibility of Infraco (ROGS Competent Person rectification of the issue does not meet Transdev requirement and gain approval from the ROGS Competent Person agrees with this) 7.3 Infraco 132 80.00% 0 03-Jul-06 26-Jan-09 213.71 53.43 Realignment of existing road geometry Increase in off-route junction improvements, certain 267 14 199.83 junctions requiring realignment of kerbs etc 7.3 Infraco 95.00% 100 01-Jan-07 31-Jul-08 172 Area of possible contamination and Tramway runs through area of possible contamination | Increase in costs to provide special 254.00 254.00 190.00 unstable ground (unlicensed tip) has and special foundation is required to cope with unstable foundation solution been highlighted during desk study immediately to east of Gogar Burn-investigation for CERT project indicates that this consists of building rubble and domestic waste. 7.3 Infraco 105 Encountering archaeological finds/burials/munitions during Exhumation of archaeological finds/burials Delay in construction programme 85.00% 0 28-Sep-07 31-Jul-10 183.57 245.40 220.86 24.54 6.82 construction 7.4 Tramco 50.00% 100 01-Mar-07 30-Sep-09 222.62 Trams are manufacturered but Depot unavailable to Trams need to be stored resulting in 222.62 166.53 take delivery storage costs 7.3 Infraco 318 Potential delay to start of Infraco works in 50.00% 100 04-Apr-07 31-Jan-09 160.83 40.21 11.83 Failure to make arrangements with 150.39 201.04 Utilities for the phasing of necessary certain sections connections; Utility Company operational constraints

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isk Even rrent Impact Assessment Ek 7.3 Infraço 302 Steel shortage due to global demand Delay or price increase due to steel shortage Long lead times, additional cost due to 20.00% 500 1000 26-Apr-07 31-Jan-08 149.99 200.51 160.41 40.10 66.84 7.3 Infraco Infraco and Tram systems not 10.00% 0 1000 3000 01-Nov-07 31-Jan-08 132.95 177.73 142.18 35.55 59.24 compatible and/or contracts not between specialist contractors / sub aligned. m Specification for on-board and supervisory equipment 19-Jul-07 01-Oct-09 Base estimate allows only for min 125.75 168 10 on-board supervisory and comms has not been established for Trams on Phase 1A. board supervisory and comms equipment 7.3 Infraco Third party works in Edinburgh impact on Trans CEC may limit the number of workfronts 40.00% 100 30-Sep-07 31-Jul-10 128.08 32.02 Proximity in time and space to other 119.77 160.10 4.45 works within Edinburgh in preliminaries; overall programme delay 7.3 Infraco 173 Uncertainty over extent of Increase in costs to remove material to 2.50% 1368 29-Sep-06 31-Jul-10 127.93 Tramway runs through area of previously unidentified 159.91 119.62 contaminated land on route contamination and material requires to be removed and special and other tip. replaced (dig and dump). Network Rail possessions over and 7.3 Infraco 134 Compensation paid to Train Operating Companies Increased compensation paid to Train 5.00% 500 4000 01-Oct-07 31-Jan-09 108.00 144.38 100 144.38 0.00 8.49 7.3 Infraco 115 Network Rail cancels planned Planned work at interface with Network Rail is delayed Time delay and resulting cost increase 10.00% 350 01-Oct-07 138.66 0.00 8.16 103.73 138.66 7.3 Infraco 1010 Occurrence of termination or omission of Infraco Works Project suspension or cancellation 1 00% 10000 27-Sep-07 31-Jan-11 101.98 136.33 109 06 27.27 3.25 if permission to resume not granted by tie within 6 months 1.1 Land & Property 133.87 Costs of obtaining access rights are Cost associated with obtaining wayleaves creased legal costs relating to obtaining 40.00% 50 02-Apr-07 133.87 100.14 wayleaves 1.1 Land & Property Land reclassification changes value eclassification of land increases value/ 10.00% 1000 20-Mar-07 100.00 133.68 100 133.68 3.18 cost of land. Asbestos found during demolition works and 7.3 Infraco Cost and delay during investigation and 31-Mar-09 94.55 126.40 101.12 25.28 7.44 not uncovered during surveys excavations for construction 7.4 Tramco 5.00% 0 3000 01-Mar-07 31-Jan-08 104.61 100 104.61 0.00 34.87 Currency fluctation Euro/Sterling 1500 Tramco pricing risk between now and awarding contract price may go up/down 78.25 10.07 7.4 Tramco Inadequate definition of availability, creased capex investment is necessary. 30.00% 0 100.65 100.65 Unclear scope of desired performance levels. 75.29 reliability and maintainability 7.1.3 Depot 974 Increased Cost & Programme extension 100 99.85 Innacurate Topo Survey results Increase in levels of Spoil Excavation 25.00% 100 500 14-May-07 74.69 99.85 0.00 9.08 7.4 Tramco 155 20.00% 160 270 19-Jul-07 25 92.62 100 92.62 0.00 3.70 Business case runtime and CEC requirements (change Increased cost of tramsets 01-Oct-09 69.28 Increase in specification over and above assumptions in base estimate regarding equipment and quality specification for tram vehicles in equipment and quality specification Additional management and acquisition costs relating to acquiring land to gain 7.3 Infraco Contractors methodology not Land required for access to workfront not acquired 20.00% 300 08-May-07 30-Jan-09 60.00 80.21 64.17 16.04 5.01 VE process concentrates on reducing Capex to the detriment of Opex 2.9 TEL TEL Business Case becomes les 31-Oct-10 31-Dec-15 16.04 26.74 60.00 80.21 4.3 Business Case Final Design impacts negatively on Final Business Case Could be negative implications on Tram 16.03 31-Mar-07 80.15 8.01 Traffic model identifies areas where 20.00% 100 59.95 design is not compatible with efficient final business case. Potential to negatively impact BCR 7.3 Infraco 74.72 terface with CEC as roads authority Roads maintenance is not carried out CEC is in breach of its statutory duties 31-Jan-08 55.89 74.72 3 DESIGN 10.00% 100 42 73.66 58.93 14.73 Adequate scope and extent of noise Design assumptions lead to Tram noise and vibration 55.10 and vibration prevention measures being inadequate during operation Post contruction elements need to be adjusted or re-constructed or additional measures/requirements are not provided to SDS; Specifications relating o Tram noise provided by noise and vibration measures need to be Tramco are optimistic. 7.4 Tramco 19-Jul-07 01-Oct-09 71.67 71.67 Problems with tram supplier (industrial Delay in supply of vehicles - 18 Time delay to operations, costs relating 25.00% 0 53.61 0.00 2.87 7.4 Tramo 899 Inability to determine and sign off aeshetic requirements | Programme delay in finalising design; 19-Jul-07 31-Jul-08 50.17 67.06 100 0.00 6.71 potential cost impacts 7.3 Infraco 1007 Introduction of alternative Submittal Programme where 10.00% 27-Sep-07 31-Dec-11 50.00 66.84 100 66.84 0.00 tie cannot comply with the original programme (not arising from Infraco default) 13.37 7.3 Infraco Delay to project and additional costs 10.00% 27-Sep-07 31-Dec-11 Failure to liaise with any party, as reasonably required, 66 84 50.00 to produce information required so that the Infraco Works can be progressed properly, according to Programme and in accordance with the Infraco Contract 7.3 Infraco 5.00% 27-Sep-07 31-Dec-11 13.37 1009 Suspension on instructions of ties Representative in 1000 42 66.84 53.47 Delay to project 50.00 circumstances outwith the following: Suspension provided for in the Agreement, Suspension necessary by reason of default of the Infraco, Suspension necessary for the safety of the Infraco Works. 7.3 Infraco 15.00% 01-Mar-07 30-Nov-08 57.82 Delay in detailing of stops, trackway, OLE etc for Phase Time delay and consequent costs 64.25 48.06 from specialist tram manufacturer 3rd party agreements impact on works not accounted for in estimate/ become 7.3 Infraco 30.00% 60 120 03-Jul-06 11.20 18.67 41.89 56.00 apparent during construction

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isk Even 7.4 Tramco 900 SDS & Infraco procurement not familiar Depot design is not compatible with tram Programme delay whilst Infraco modify 15.00% 10 19-Jul-07 01-Oct-09 25 38.39 51.32 51.32 0.00 Landowner disagrees with District
Valuer's Assessment of land value and submits a Certificate of Appropriate 1.1 Land & Property rease in land value for plot 10.00% 03-Apr-06 31-Dec-15 37.50 50.13 50.13 0.00 Alternative Development - Plot 322 Landowner disagrees with District mission of CAAD Claim for plot 327 1.1 Land & Property 10.00% 50.13 37.50 Valuer's Assessment of land value and submits a Certificate of Appropriate 7.4 Tramco 19-Jul-07 Problems with tram supplier (industrial Delay in supply of vehicles - 1A 15.00% 01-Oct-09 47 87 47.87 0.00 Time delay to operations, costs relating 35.81 relations, financial problems etc) 7.3 Infraco Contractor default e.g. insolvency. Construction bond not available in the event of Infraco Increase in cost and progeamme due to 1 00% 0 3300 6300 12-Jan-07 31-Dec-11 31.06 41.52 33 22 8.30 0.90 7.3 Infraco 27-Sep-07 31-Dec-11 Failure to comply with the Submittal Programme 27.00 36.09 timescales 1 GENERAL/OVERALL ncurrent major projects in Edinburgh Other major projects in Edinburgh interface with Tram 50.00% 01-Mar-07 31-Dec-10 33.49 26.80 0.82 25.06 Additional interface project management 1.1 Land & Property 20-Mar-07 21-Mar-12 33.42 Use of legal advisors required beyond current budget Legal/ advisor budget may be exceeded 33 42 25.00 claims, late acquisitions or late claims in relation to land and property Increased legal and management costs to deal with change. Delay to construction 50 1.1 Land & Property CEC fails to manage existing assets or tie required to assume asset management role during 30-Dec-10 31.14 23.30 changes and following construction 7.4 Tramco 19-Jul-07 27.94 Base estimate allows only for minimum | Specification for on-board and supervisory equipment A high specification is required for on-50.00% 0 01-Oct-09 25 27.94 0.00 1.12 20.90 on-board supervisory and comms has not been established for Trams on Phase 1B. board supervisory and comms equipment 7.1.3 Depot Existing Spoil Site Unable to accept Increase in the Lothian Valuation Joint Board rateable New Landfill site will have to be found and 80 00% 0 19-Jul-07 31-Mar-08 20.00 26.74 100 26.74 0.00 agreements reached. Possibility of increased costs 20.00 26.74 against tie or Infraco or because of third party agreements or land consents 1.3.1 NR Immunisation Project 932 Information handed over in draft format SDS gives wrong or insufficient infromation to Network Network Rail design their works 02-Apr-07 30-Oct-09 20.48 5.00% 100 26 20.48 0.00 15.32 as part of continual design development; Downstream Tram design change that impacts on inappropriately for final Tram requirements Network Rail are unable to complete their design in time to meet programme; Cost to requirements: Zone of interference no change design; Delay during redesign; defined adequately Final works are not suitable and 7.3 Infraco Network Rail issue new Group and 01-Oct-07 20.42 Network Rail emerging Group and Company Standards New standards require to be adopted 20.00% 0 31-Aug-10 16.34 0.55 15.28 4.08 Company Standards during construction. Design and constru-is aligned to current Network Rail resulting in re-design, delay and increased construction cost. Group and Company Standards. 7.3 Infraco Supply of commissioning services from Transdev to Delay and costs incurred by Infraco. 1.00% 12.16 16.25 7.3 Infraco 1012 1.00% 27-Sep-07 31-Dec-11 42 10.00 13.37 10.69 2.67 0.32 suspension by ties Representative 100 7.1.3 Depot 876 reement with SEPA fo use Gravity Gravity Drain Proposal Cost & time saving 79.50% 12.5 12.5 12.5 19-Mar-08 08-Jul-08 9.94 13.28 13.28 0.00 3.32 0.77 2.2 Transdev 890 DPOFA amendment is not fully Key performance indicators for DPOFA are not agreed In absence of KPIs, would have to refer to 2 50% 23-Jan-07 7.50 10.03 8.02 2.01 2.1 tie Resources Poor performance (quality) by Infraco Infraco fails to deliver construction quality; latent defects 8.36 6.25 during construction; poor materials; occur during or after Infraco maintenance period PR, programme delay if quality issue occurs during construction, operations latent defects affected by rework, project manager costs to deal with issues 3 DESIGN Delay in design information release Delay in detailing of stops, trackway, OLE etc for Phase Time delay and consequent costs 15.00% 0 01-.lan-07 5.45 7.29 0.00 7 29 0.61 7.1.1 Invasive Species 17-Apr-07 Extent of Invasive Species Area Exceeds Estimate from Underestimating the extent of works; leads 17.50% 0.00 0.25 Surveying team unable to obtain 3.50 4.68 100 access to Network Rail, BAA and othe privately owned land because they were not cleared to access this land (including PTS). Unsuccessful negotiation. TEL believes costs inflated too much. TEL Business Case becomes undeliverable. Potential to undertake 2.9 TEL Target operating costs for Phase D are not agreed. 1.00% 04-Jan-10 4.01 0.31 3.00 Dispute Resolution to gain agreement. 7.3 Infraco Blackspots for radio/mobile Additional remedial equipment required 50.00% 0 30-Sep-09 31-Dec-10 3.31 0.21 2 48 cannot obtain signal e.g. repeater masts, booster packs etc 7.3 Infraco Infrastructure design development e.g. Utilities (diverted by MUDFA or left in place) are found to Additional utilities diversions are required 20.00% 0 01-Oct-07 31-Dec-10 0.16 0.08 2.46 3.29 3.13 to be undertaken by Infraco with additional cost and programme impacts building fixing approvals not achieved be in the path of infrastructure works at time of as designed

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WBS Item	Allocated Risks					Impact Assessment 26 Nov 2007				e Period	No of Periods	Sim Run Risk	P90 Risk Allocation	Proportion	Parameter	P90 Risk Allocation 1A	P90 Risk	P90 Value Per Period
	Risk ID	Cause	Risk Event	Effect	Prob	Current Impact Assessment Ek			Start	End		Mean	Allocation	allocated to 1A	to used to Split 1A/1B	Allocation 1A	Allocation 1B	eriou
					%	Min	Most	Max				£k	£k					Ek
.4 Tramco	319	Trams are not compatiable and interoperable with each other and other parts of the system	Trams found to be incompatible during commissioning	Delay to commissioning, costs to deal with issue	10.00%	0	Cincip	50	01-Oct-09	31-Dec-10	16	2.45	3.28	100		3.28	0.00	0.
PROCUREMENT ONSULTANT	337	Unsuccessful tenderer challenges procurement process (Tramco or Infraco)	OJEU procurement process is challenged	Possible retender; Delays; Legals costs to deal with challenge	5.00%	0		100	12-Jan-07	30-Jan-08	3	2.43	3.25	100		3.25	0.00	1.
.1.2 Badger Relocation	894	Ineffective/Inappropriate Proposals; new setts must be built before old ones can be closed and licenses will not be issued until nearer time of closure; animals must have settled in new home before closure of old one can take place	Roseburn Badger Proposals for closure of old setts not approved by SNH	Delay in accessing land to construct Tram works and hence in Programme	17.50%	0	12.5	25	01-Oct-08	28-Nov-08	2	2.21	2.96	0		0.00	2.96	12
1.1 Construction	994	The design for the lighting has yet to be approved by CECs Street Lighting section	Additional time or cost could be incurred in relation to the street lighting works	Compiance with their requireemnts may incur abortive works resulting in additional cost and delay to programme	17.50%	Ş.	12.5		29-Aug-07	31-Dec-07	2	2.19	2.92	80	-	2.34	0.58	1134
DESIGN	162		Gaining access to land prior to purchase for advanced works	Increased management costs and delays to design	10.00%	0		30	02-Apr-07	28-Sep-08	12	1.50	2.01	80		1.60	0.40	0.1
1.2 Badger Relocation	883	Ineffective/inappropriate Proposals; new setts must be built before old ones can be closed and licenses will not be issued until nearer time of closure; animals must have settled in new home before closure of old one can take place	Gogarburn Badger/Otter Proposals for closure of old setts not approved by SNH/SEERAD	Delay in accessing land to construct Tram works and hence in Programme	10.00%	0	12.5	25	01-Oct-07	30-Nov-07	1	1.26	1,68	100		1.68	0.00	1.9
1.1 Invasive Species	879		Access to land to eradicate invasive species is not available when required	Programme Delay; contractor refuses to take ownership of risk 869 or includes high contingency in tender to allow for.		0	10	20	12-Mar-07	01-Apr-09	19	1.00	1.34	3		0.04	1.30	0.0
PROCUREMENT ONSULTANT	76	Introduction of TEL as client	Change of client during works	Delay and cost during re-negotiation of DPOF contract and additional approvals process	5.00%	12.5		12.5	03-Jul-06	30-Jan-08	3	0.63	0.84	80		0.67	0.17	0.3
1.1 Construction	993	Due to a terrorism event relating to Edinburgh Airport or due to the mitigation of the risk of such an event occuring traffic restrictions introduced in the vicinity of the airport cause unacceptable delays for vehicles accessing and exiting from the site	Free access cannot be guaranteed to the P&R site	Delays to construction vehicles could have impact on completion date and cost of construction, delays for car park users or buses could detract from usefulness and viability of facility	2.50%		12.5		01-Oct-07	31-Mar-09	19	0.31	0.42	100		0.42	0.00	0.0
1.1 Construction	964	Prevarication over scope of project	Delay to start of work thereby jeopardising funding	Funding cannot be realised from SEStran and CEC to complete project	2.50%	12.5	12.5	12.5	01-Apr-08	30-Jun-08	3	0.31	0.42	0	1	0.00	0.42	0.
9 TEL	188	Distribution Network Operator costs of supply are unknown	Power supply costs increase during Operation		0.00%	5	10	15	20-Apr-09	24-Aug-19	23	0.00	0.00			0.00	0.00	0.0
9 TEL	188	Distribution Network Operator costs of supply are unknown	Power supply costs increase during Operation	Opex is not certain	0.00%	5	10	15	20-Apr-09	24-Aug-19	23	0.00	0.00	80		0.00	0.00	0.0

51,647.10 47,037