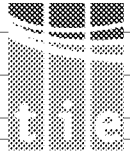


	A	B	C	D	E	F	G	H	I
1	<b>tie Limited</b>								
2	<b>Line 1 and 2 Tram Schemes</b>								
3	<b>Project Risk Register</b>								
4									
5									
6									
7									
8									
9	<b>Revision</b>	<b>Date</b>	<b>Prepared By</b>					<b>Comments</b>	
10									
11									
12	21	25-Mar-04	Mark Bourke					Risks re-referenced according to significance Optimism Bias re-calculated for scheme at March 2004 with comparison against October 2003 Calculation included in STAG and PFCs New worksheet added to indicate profile of Optimism Bias	
13									
14									
15									
16									
17	23	10-Sep-04	Mark Bourke					TET Comments added	
18								Description of Risk Ref.5 refined to avoid duplication with Risk Ref.4, Ref.27 expanded to include running adjacent to NR, Ref.167 to funding shortfall, Ref.51 expanded to cover results, Ref.127 extended to cover operational phase, Ref. 84 to cover up to submission of Bill to Parliament	
19								Timing of Risk ref.136 amended to commence during construction	
20								New Risks Ref. 176, 177 and 178 added regarding Airport EMC issues, Development impacts and emerging transport competition	
21								Mitigations refined for Risks Ref.1,2,4,5,10,12,174,15,16,17,24,25,28,31,32,36,169,46,50,52,53,65,74,79,84,87,91,96,97,171,103,122,139,141,146,148 and 155.	
22								Responsibilities for D&W refined to ease reporting	
23									
24	24	29-Oct-04	Mark Bourke					Worksheet Added to Check Capex Risk - Expected Value and Columns to Risk Register for high level review only.	
25									
26	25	08-Nov-04	Mark Bourke					Responsibilities refined for funding and finance risks to tie (CFM).	
27									
28	26	25-Jan-05	Mark Bourke					<b>Updated with comments from TET, tie (PAE), tie (OME) and DLA</b>	
29								<b>TET comments added. New risks relating to interfaces, revenue, alignment, integration and Regulatory matters added Ref. 180 to 196</b>	
30								<b>tie (OME) comments on risk strategy for ref.5,174,175,30,38,44,70,79,110 and 139 added. New risk ref.179 added. Responsibility for risk mitigation for risks ref.133,106,72,70,38 and 44 transferred from BDB to tie (OME).</b>	
31								<b>tie (PAE) comments on risk strategy for ref.4,5,6 and 130 added. Likelihood reduced post mitigation on all tie (PAE) risks. Mitigation factor increased on risk ref.4,5,6,34,177 and 130.</b>	
32								<b>DLA comments included incorporating revised mitigations, factors and description to risks Ref.20,41,68,71,72,172,87,95,165,110,142 and 147. New infraco procurement risks added ref.198 to 212</b>	
33								<b>OB Profile Updated to Reflect OB for November 2004</b>	
34									
35	<b>Updated from Comments to end of November 2004</b>								





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Company Name	Project Name	Project Location	Project Type	Project Status	Project Start Date	Project End Date	Project Budget	Project Cost	Project Revenue	Project Profit	Project Risk	Project Complexity	Project Uncertainty	Project Interdependence	Project Integration	Project Communication	Project Collaboration	Project Teamwork	Project Leadership	Project Management	Project Organization	Project Structure	Project Processes	Project Procedures	Project Policies	Project Practices	Project Principles	Project Practices	Project Principles	Project Practices	Project Principles	Project Practices



Project Name		Project Number		Project Location		Project Status		Project Type		Project Category		Project Sub-Category		Project Phase		Project Start Date		Project End Date		Project Budget		Project Funding Source		Project Sponsor		Project Manager		Project Contact		Project Description		Project Objectives		Project Risks		Project Benefits		Project Impact		Project Evaluation		Project Review		Project Approval		Project Sign-off	
Project Name		Project Number		Project Location		Project Status		Project Type		Project Category		Project Sub-Category		Project Phase		Project Start Date		Project End Date		Project Budget		Project Funding Source		Project Sponsor		Project Manager		Project Contact		Project Description		Project Objectives		Project Risks		Project Benefits		Project Impact		Project Evaluation		Project Review		Project Approval		Project Sign-off	
Project Name		Project Number		Project Location		Project Status		Project Type		Project Category		Project Sub-Category		Project Phase		Project Start Date		Project End Date		Project Budget		Project Funding Source		Project Sponsor		Project Manager		Project Contact		Project Description		Project Objectives		Project Risks		Project Benefits		Project Impact		Project Evaluation		Project Review		Project Approval		Project Sign-off	







Project Name	Project Number	Project Location	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Description	Project Objectives	Project Deliverables	Project Milestones	Project Risks	Project Issues	Project Changes	Project Communications	Project Stakeholders	Project Governance	Project Reporting	Project Review	Project Closure



Project Name	Project Number	Project Location	Project Type	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Impact	Project Description	Project Details	Project Notes	Project Comments	Project Actions	Project Status	Project Date	Project User	Project Version

Project Name	Project Number	Project Description	Location	Start Date	End Date	Responsible Party	Risk Level	Mitigation Measures	Status	Notes
<p>Identified By: Mark Boswell, TE Date: 26 January 2009</p>										

Project Name	Project Number	Project Location	Project Type	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Impact	Project Description	Project Details	Project Notes	Project Comments	Project Actions	Project Status	Project Date	Project User	Project Version











Project Name	Project Number	Project Location	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Description	Project Objectives	Project Deliverables	Project Milestones	Project Risks	Project Issues	Project Changes	Project Communications	Project Stakeholders	Project Governance	Project Reporting	Project Review	Project Closure

Project Name	Project Number	Project Location	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Description	Project Objectives	Project Deliverables	Project Milestones	Project Risks	Project Issues	Project Changes	Project Communications	Project Stakeholders	Project Governance	Project Reporting	Project Review	Project Closure

Project Name	Project Number	Project Location	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Impact	Project Description	Project Objectives	Project Deliverables	Project Milestones	Project Risks	Project Issues	Project Changes	Project Communications	Project Stakeholders	Project Governance	Project Reporting	Project Review	Project Closure







Project Name	Project Number	Project Location	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Impact	Project Description	Project Objectives	Project Deliverables	Project Milestones	Project Risks	Project Issues	Project Changes	Project Communications	Project Stakeholders	Project Governance	Project Reporting	Project Review	Project Closure

Approved By: Mark Boyette, TIE  
Date: 22 January 2009



Project Name			Project Location			Project Type			Project Status			Project Dates			Project Manager			Project Sponsor			Project Budget			Project Risk			Project Comments						
Project ID	Project Name	Project Location	Project Type	Project Status	Project Dates	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Comments	Project ID	Project Name	Project Location	Project Type	Project Status	Project Dates	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Comments	Project ID	Project Name	Project Location	Project Type	Project Status	Project Dates	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Comments	



Project Name	Project Number	Project Location	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Description	Project Objectives	Project Deliverables	Project Milestones	Project Risks	Project Issues	Project Changes	Project Communications	Project Stakeholders	Project Governance	Project Reporting	Project Review	Project Closure

Project Name	Project Number	Project Location	Project Type	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Impact	Project Description	Project Details	Project Notes	Project Comments	Project Actions	Project Status	Project Date	Project User	Project Version

<p>           Identified By: Mark Rogatta, TIE            Date: 22 January 2003         </p>																																						
<p>           Project Risk Register         </p>																																						
ID	Description	Risk Category	Risk Level	Risk Rating	Risk Owner	Risk Status	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description	Risk Description			

Project Name	Project Number	Project Location	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Description	Project Objectives	Project Deliverables	Project Milestones	Project Risks	Project Issues	Project Changes	Project Communications	Project Stakeholders	Project Governance	Project Reporting	Project Review	Project Closure

Approved By: Mark Boyette, TIE  
Date: 22 January 2009



Project Name		Project Number		Project Location		Project Start Date		Project End Date		Project Status		Project Manager		Project Sponsor		Project Budget		Project Risk Register	
<p>Project Name: [Blank]</p> <p>Project Number: [Blank]</p> <p>Project Location: [Blank]</p> <p>Project Start Date: [Blank]</p> <p>Project End Date: [Blank]</p> <p>Project Status: [Blank]</p> <p>Project Manager: [Blank]</p> <p>Project Sponsor: [Blank]</p> <p>Project Budget: [Blank]</p> <p>Project Risk Register: [Blank]</p>																			

Company Name			Project Name		Project Location		Project Start/End		Project Budget		Project Status		Project Risk		Project Description	
ABC Limited			XYZ Project		DEF Location		GHI Start - JKL End		MNO Budget		PQR Status		STU Risk		VWX Description	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
City of Los Angeles		Water		Sanitation		Wastewater		Solid Waste		Air Quality		Noise		Seismicity		Cultural Resources		Biological Resources		Geology/Soils		Paleontology		Mineral Resources		Historic Resources		Aesthetics		Cumulative Impacts		Greenhouse Gas Emissions		Public Utilities		Transportation		Public Safety		Community Development		Housing		Environmental Justice		Other		Total		Total	
Project Name		Project Location		Project Description		Project Status		Project Phase		Project Impact		Project Mitigation		Project Monitoring		Project Reporting		Project Review		Project Approval		Project Compliance		Project Enforcement		Project Remediation		Project Restoration		Project Reclamation		Project Rehabilitation		Project Maintenance		Project Operation		Project Closure		Project Decommissioning		Project Demolition		Project Relocation		Project Relinquishment		Project Surrender			

Project Name	Project Number	Project Location	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Description	Project Objectives	Project Deliverables	Project Milestones	Project Risks	Project Issues	Project Changes	Project Communications	Project Stakeholders	Project Governance	Project Reporting	Project Review	Project Closure

Approved By: Mark Boyette, TIE  
Date: 22 January 2009

Project Name	Project Number	Project Location	Project Type	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Impact	Project Description	Project Details	Project Notes	Project Comments	Project Actions	Project Status	Project Date	Project User	Project Version



Table with multiple columns and rows, mostly empty. Headers include: Project Name, Location, Start Date, End Date, Risk Category, Risk Level, Description, and Mitigation Measures. The table is currently blank, with only the header information visible.

Project Name	Project No.	Project Description	Project Location	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Impact	Project Compliance	Project Reporting
<p>Approved By: Mark Boyette, TIE Date: 25 January 2003</p>													
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Project Name	Project ID	Project Manager	Project Status	Project Start Date	Project End Date	Project Budget	Project Risk	Project Description	Project Location	Project Type	Project Category	Project Sub-Category	Project Phase	Project Milestone	Project Deliverable	Project Stakeholder	Project Sponsor	Project Approval	Project Review	Project Audit	Project Compliance	Project Security	Project Privacy	Project Accessibility	Project Sustainability	Project Innovation	Project Scalability	Project Flexibility	Project Resilience	Project Adaptability	Project Agility	Project Speed	Project Quality	Project Cost	Project Value	Project Impact	Project Legacy
<p>Project Name: [Redacted]</p> <p>Project ID: [Redacted]</p> <p>Project Manager: [Redacted]</p> <p>Project Status: [Redacted]</p> <p>Project Start Date: [Redacted]</p> <p>Project End Date: [Redacted]</p> <p>Project Budget: [Redacted]</p> <p>Project Risk: [Redacted]</p> <p>Project Description: [Redacted]</p> <p>Project Location: [Redacted]</p> <p>Project Type: [Redacted]</p> <p>Project Category: [Redacted]</p> <p>Project Sub-Category: [Redacted]</p> <p>Project Phase: [Redacted]</p> <p>Project Milestone: [Redacted]</p> <p>Project Deliverable: [Redacted]</p> <p>Project Stakeholder: [Redacted]</p> <p>Project Sponsor: [Redacted]</p> <p>Project Approval: [Redacted]</p> <p>Project Review: [Redacted]</p> <p>Project Audit: [Redacted]</p> <p>Project Compliance: [Redacted]</p> <p>Project Security: [Redacted]</p> <p>Project Privacy: [Redacted]</p> <p>Project Accessibility: [Redacted]</p> <p>Project Sustainability: [Redacted]</p> <p>Project Innovation: [Redacted]</p> <p>Project Scalability: [Redacted]</p> <p>Project Flexibility: [Redacted]</p> <p>Project Resilience: [Redacted]</p> <p>Project Adaptability: [Redacted]</p> <p>Project Agility: [Redacted]</p> <p>Project Speed: [Redacted]</p> <p>Project Quality: [Redacted]</p> <p>Project Cost: [Redacted]</p> <p>Project Value: [Redacted]</p> <p>Project Impact: [Redacted]</p> <p>Project Legacy: [Redacted]</p>																				<p>Approved By: [Redacted]</p> <p>Date: 25 January 2025</p>																	

Project Name		Project Number		Project Location		Project Start Date		Project End Date		Project Status		Project Manager		Project Sponsor		Project Budget		Project Risk Register	

Title		Author		Date		Version		Status		Comments		Approval		Signature		Date		Initials		Remarks	
Approved By: Mark Boyette, TIE Date: 25 January 2005																					
This section contains the main body of the table, which is mostly empty in the provided image.																					

Project Name	Project Number	Project Status	Project Location	Project Start Date	Project End Date	Project Budget	Project Funding Source	Project Manager	Project Sponsor	Project Description	Project Objectives	Project Risks	Project Deliverables	Project Milestones	Project Progress	Project Issues	Project Changes	Project Communications	Project Stakeholders	Project Governance	Project Reporting	Project Evaluation	Project Review	Project Closure

Project Name	Project Number	Project Location	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Description	Project Objectives	Project Deliverables	Project Milestones	Project Risks	Project Issues	Project Changes	Project Communications	Project Stakeholders	Project Governance	Project Reporting	Project Review	Project Closure

Table with columns for Risk Register details. Headers include: Risk ID, Risk Description, Risk Category, Risk Status, Risk Rating, Risk Owner, Risk Mitigation Strategy, Risk Review Date, and Risk Review Status. The table contains multiple rows of data, with the first few rows having shaded headers. The table is mostly empty, suggesting it is a template or a very sparse dataset.

Project Name		Project Number		Project Location		Project Status		Project Start Date		Project End Date		Project Manager		Project Sponsor		Project Budget		Project Risk		Project Compliance		Project Audit		Project Review		Project Approval		Project Sign-off			
Project ID	Project Name	Project Number	Project Location	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Compliance	Project Audit	Project Review	Project Approval	Project Sign-off	Project ID	Project Name	Project Number	Project Location	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Compliance	Project Audit	Project Review	Project Approval	Project Sign-off



Project Name	Project Number	Project Location	Project Status	Project Type	Project Description	Project Start Date	Project End Date	Project Budget	Project Funding Source	Project Manager	Project Sponsor	Project Stakeholders	Project Risks	Project Issues	Project Deliverables	Project Milestones	Project Performance	Project Compliance	Project Reporting	Project Documentation	Project Communication	Project Governance	Project Evaluation	Project Review	Project Audit	Project Improvement	Project Innovation	Project Sustainability	Project Social Impact	Project Environmental Impact	Project Economic Impact	Project Cultural Impact	Project Historical Impact	Project Future Impact	Project Legacy	Project Success	Project Failure	Project Lessons Learned	Project Best Practices	Project Case Studies	Project Research	Project Publications	Project Conferences	Project Workshops	Project Seminars	Project Webinars	Project Podcasts	Project YouTube	Project Twitter	Project Facebook	Project LinkedIn	Project Instagram	Project Snapchat	Project TikTok	Project Other
[Empty]																												Identified By: Mark Boyette, TIE		Date: 22 January 2009																									

Table with multiple columns and rows, containing various headers and data fields. The top row includes the following text: "City Limited", "City of Orange Transportation", "Project Risk Register", "Approved By: Mark Boukita, PE", and "Date: 22 January 2003". The table is mostly empty, with a grid pattern.

Project Name		Project Number		Project Location		Project Description		Project Start Date		Project End Date		Project Status		Project Risk Rating		Project Risk Category		Project Risk Level		Project Risk Mitigation		Project Risk Monitoring		Project Risk Reporting		Project Risk Review		Project Risk Update		Project Risk Approval		Project Risk Sign-off	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
Project Name	Project Number	Project Location	Project Status	Project Type	Project Category	Project Sub-Category	Project Phase	Project Start Date	Project End Date	Project Duration	Project Manager	Project Sponsor	Project Stakeholders	Project Risks	Project Issues	Project Changes	Project Budget	Project Actuals	Project Variance	Project Performance	Project Compliance	Project Reporting	Project Documentation	Project Communication	Project Collaboration	Project Innovation	Project Sustainability	Project Social Impact	Project Environmental Impact	Project Economic Impact	Project Cultural Impact	Project Historical Impact	Project Future Impact	Project Overall Impact	Project Success Rate	Project Satisfaction	Project Loyalty	Project Retention	Project Growth	Project Innovation	Project Sustainability	Project Social Impact	Project Environmental Impact	Project Economic Impact	Project Cultural Impact	Project Historical Impact	Project Future Impact	Project Overall Impact			
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Project Name	Project Number	Project Location	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Description	Project Objectives	Project Deliverables	Project Milestones	Project Risks	Project Issues	Project Changes	Project Communications	Project Stakeholders	Project Governance	Project Reporting	Project Review	Project Closure

Project Name	Project Number	Project Location	Project Type	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Impact	Project Description	Project Objectives	Project Deliverables	Project Milestones	Project Risks	Project Issues	Project Changes	Project Communications	Project Governance	Project Reporting	Project Review	Project Closure

Project Name	Project Number	Project Location	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Description	Project Objectives	Project Risks	Project Budget	Project Resources	Project Deliverables	Project Milestones	Project Dependencies	Project Stakeholders	Project Communication	Project Reporting	Project Review	Project Approval	Project Sign-off	Project Closure
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Title: Project Risk Register			Project Name												Version		Date		Page		Author		Reviewer		Approver	
ID	Category	Description	Impact	Severity	Probability	Current Status	Target Status	Owner	Start Date	End Date	Assigned To	Assigned To Contact	Assigned To Email	Assigned To Phone	Assigned To Address	Assigned To City	Assigned To State	Assigned To Zip	Assigned To Country	Assigned To Fax	Assigned To Website	Assigned To Social Media	Assigned To Other			

Project Name		Project Number		Project Location		Project Description		Risk Category		Risk Level		Risk Mitigation		Risk Status		Risk Owner		Risk Review		Risk Update	
<p>Project Name: [Redacted]</p> <p>Project Number: [Redacted]</p> <p>Project Location: [Redacted]</p> <p>Project Description: [Redacted]</p> <p>Risk Category: [Redacted]</p> <p>Risk Level: [Redacted]</p> <p>Risk Mitigation: [Redacted]</p> <p>Risk Status: [Redacted]</p> <p>Risk Owner: [Redacted]</p> <p>Risk Review: [Redacted]</p> <p>Risk Update: [Redacted]</p>																					







Table with 49 columns and multiple rows. The top row contains header information including 'City Limited', 'City of Los Angeles Trans-Sector', 'Project Risk Register', and 'Updated By: Mark Rosales, TE' and 'Date: 23 January 2021'. The main body of the table is a grid of empty cells, likely intended for data entry.



Project Name		Project Number		Project Location		Project Status		Project Start Date		Project End Date		Project Budget		Project Funding		Project Risk		Project Impact		Project Notes	





Project Name	Project Number	Project Location	Project Status	Project Type	Project Category	Project Sub-Category	Project Phase	Project Start Date	Project End Date	Project Duration	Project Budget	Project Funding Source	Project Lead	Project Manager	Project Sponsor	Project Stakeholders	Project Risks	Project Issues	Project Deliverables	Project Milestones	Project Performance	Project Compliance	Project Reporting	Project Documentation	Project Communication	Project Collaboration	Project Innovation	Project Sustainability	Project Impact	Project Legacy	Project Success
<p>Approved By: Mark Boyette, TIC Date: 25 January 2009</p>																															

Project Name	Project Number	Project Location	Project Status	Project Type	Project Description	Project Start Date	Project End Date	Project Budget	Project Funding Source	Project Manager	Project Sponsor	Project Stakeholders	Project Risks	Project Issues	Project Deliverables	Project Milestones	Project Performance	Project Compliance	Project Reporting	Project Documentation	Project Communication	Project Evaluation	Project Review	Project Audit	Project Closure

Project Name		Project Number		Project Location		Project Start Date		Project End Date		Project Status		Project Manager		Project Sponsor		Project Budget		Project Risk		Project Impact		Project Description		Project Details		

Project Name		Project Number		Project Location		Project Status		Project Type		Project Risk		Project Impact		Project Mitigation		Project Monitoring		Project Reporting		Project Review		Project Approval		Project Sign-off		Project Closure			
Project ID	Project Name	Project Number	Project Location	Project Status	Project Type	Project Risk	Project Impact	Project Mitigation	Project Monitoring	Project Reporting	Project Review	Project Approval	Project Sign-off	Project Closure	Project ID	Project Name	Project Number	Project Location	Project Status	Project Type	Project Risk	Project Impact	Project Mitigation	Project Monitoring	Project Reporting	Project Review	Project Approval	Project Sign-off	Project Closure



No.	Description	Risk	Impact	Likelihood	Severity	Control	Residual	Residual Risk	Priority	Status	Owner	Action	Due Date	Reviewed	Reviewed Date	Approved	Approved Date	Updated	Updated Date	Version	Remarks	Date	Time	User	IP	Browser	Device

Approved By: Mark Boyette, TIE  
 Date: 23 January 2009

Table with multiple columns and rows. Visible header text includes "Project Risk Register", "Approved By: Mark Skelton, TIE", and "Date: 23 January 2009".



Project Name		Project Number		Project Location		Project Status		Project Type		Project Risk		Project Impact		Project Mitigation		Project Monitoring		Project Reporting		Project Review			
Project ID	Project Name	Project Number	Project Location	Project Status	Project Type	Project Risk	Project Impact	Project Mitigation	Project Monitoring	Project Reporting	Project Review	Project ID	Project Name	Project Number	Project Location	Project Status	Project Type	Project Risk	Project Impact	Project Mitigation	Project Monitoring	Project Reporting	Project Review

Project Risk Register

Approved By: Mark Boulton, TIC  
Date: 23 January 2010

Serial	Risk	Category	Impact	Priority	Start Date	End Date	Owner	Responsible	Approved	Reviewed	Last Update
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Project Name		Project ID		Project Description		Project Status		Project Start Date		Project End Date		Project Budget		Project Location		Project Manager		Project Sponsor		





Prepared By: Mark Boyette, T.E.  
Date: 22 January 2005

Category	Item	Description	Impact	Frequency	Severity	Control Measures	Responsible Party	Status



Table with multiple columns and rows, mostly empty. Headers include: Project Name, Location, Description, Risk Category, Risk Level, and Mitigation Measures. A small text box in the upper right corner of the table area reads: "Updated By: Mark Boyette, TIE Date: 28 January 2009".



Project Name	Project Number	Project Location	Project Type	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Description	Project Objectives	Project Deliverables	Project Milestones	Project Risks	Project Issues	Project Changes	Project Communications	Project Stakeholders	Project Governance	Project Reporting	Project Review	Project Closure

Table with 100 columns and 100 rows. The header row contains the following text from left to right: "Project Name", "Project Number", "Project Location", "Project Status", "Project Start Date", "Project End Date", "Project Manager", "Project Sponsor", "Project Description", "Project Objectives", "Project Risks", "Project Deliverables", "Project Budget", "Project Resources", "Project Stakeholders", "Project Communications", "Project Governance", "Project Performance", "Project Compliance", "Project Security", "Project Sustainability", "Project Innovation", "Project Resilience", "Project Flexibility", "Project Scalability", "Project Portability", "Project Interoperability", "Project Reliability", "Project Availability", "Project Security", "Project Privacy", "Project Integrity", "Project Confidentiality", "Project Accuracy", "Project Consistency", "Project Timeliness", "Project Cost-Effectiveness", "Project Quality", "Project Customer Satisfaction", "Project Employee Satisfaction", "Project Stakeholder Satisfaction", "Project Overall Satisfaction", "Project Return on Investment", "Project Risk Rating", "Project Compliance Rating", "Project Security Rating", "Project Sustainability Rating", "Project Innovation Rating", "Project Resilience Rating", "Project Flexibility Rating", "Project Scalability Rating", "Project Portability Rating", "Project Interoperability Rating", "Project Reliability Rating", "Project Availability Rating", "Project Security Rating", "Project Privacy Rating", "Project Integrity Rating", "Project Confidentiality Rating", "Project Accuracy Rating", "Project Consistency Rating", "Project Timeliness Rating", "Project Cost-Effectiveness Rating", "Project Quality Rating", "Project Customer Satisfaction Rating", "Project Employee Satisfaction Rating", "Project Stakeholder Satisfaction Rating", "Project Overall Satisfaction Rating", "Project Return on Investment Rating".

Table with columns for Project, Description, Risk, and other details. Includes header information such as 'Approved By: Mark Boyette, TIE' and 'Date: 22 January 2008'. The table body is mostly empty.





Project		General Information												Financial Information								Risk Assessment			
Project Name		Location				Description				Status				Budget		Actuals		Variance		Impact		Likelihood		Mitigation	
Project ID	Project Name	County	City/Town	Zip Code	Project Type	Project Description	Project Start	Project End	Project Status	Budget (YTD)	Budget (Est.)	Actuals (YTD)	Actuals (Est.)	Variance (YTD)	Variance (Est.)	Impact Score	Impact Description	Likelihood Score	Likelihood Description	Mitigation Strategy	Mitigation Status				



Project Name		Project Number		Project Location		Project Status		Project Type		Project Description		Project Details		Project Dates		Project Contact		Project Notes		Project History		Project Summary			
Project ID	Project Name	Project Number	Project Location	Project Status	Project Type	Project Description	Project Details	Project Dates	Project Contact	Project Notes	Project History	Project Summary	Project ID	Project Name	Project Number	Project Location	Project Status	Project Type	Project Description	Project Details	Project Dates	Project Contact	Project Notes	Project History	Project Summary

Project Name		Project Number		Project Description		Project Start Date		Project End Date		Project Status		Project Manager		Project Sponsor		Project Budget		Project Risk		

Project Information												Risk Assessment												Mitigation Measures												Monitoring and Reporting												Approval and Sign-off											
Project Name: [Project Name]												Risk Level: [Risk Level]												Mitigation Strategy: [Mitigation Strategy]												Monitoring Frequency: [Monitoring Frequency]												Approval Date: [Approval Date]											
Project Manager: [Project Manager]												Risk Analyst: [Risk Analyst]												Mitigation Lead: [Mitigation Lead]												Monitoring Lead: [Monitoring Lead]												Approval Authority: [Approval Authority]											
Project Start: [Project Start]												Risk Assessment Date: [Risk Assessment Date]												Mitigation Start: [Mitigation Start]												Monitoring Start: [Monitoring Start]												Approval Date: [Approval Date]											
[Detailed description of project risks and mitigation measures]												[Detailed description of risk assessment methodology and findings]												[Detailed description of mitigation measures and implementation plan]												[Detailed description of monitoring and reporting procedures]												[Detailed description of approval and sign-off process]											

Project Name	Project Number	Project Location	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Description	Project Objectives	Project Deliverables	Project Milestones	Project Risks	Project Issues	Project Changes	Project Communications	Project Stakeholders	Project Governance	Project Reporting	Project Review	Project Closure

Project Name	Project Number	Project Location	Project Start Date	Project End Date	Project Status	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Impact	Project Description	Project Objectives	Project Deliverables	Project Milestones	Project Risks	Project Issues	Project Changes	Project Communications	Project Stakeholders	Project Governance	Project Reporting	Project Review	Project Closure

Project Name	Project Number	Project Location	Project Status	Project Start Date	Project End Date	Project Budget	Project Manager	Project Sponsor	Project Risk Register	Project Description	Project Objectives	Project Deliverables	Project Risks	Project Issues	Project Changes	Project Communications	Project Governance	Project Reporting	Project Review	Project Closure	

Project	Activity	Task	Start	End	Duration	Type	Priority	Risk Level	Risk Category	Risk Description	Impact	Likelihood	Control Measures	Residual Risk	Status	Owner	Last Update	Next Update	Reviewed By	Reviewed Date	Comments
<div style="display: flex; justify-content: space-between; align-items: center;"> <span>City of Los Angeles Department of Transportation</span> <span>Approved By: Mark Beckett, T.E. Date: 25 January 2010</span> </div>																					

Project Name		Project Number		Project Location		Project Start Date		Project End Date		Project Status		Project Manager		Project Sponsor		Project Budget		Project Risk Register	
Item ID	Description	Category	Sub-Category	Priority	Severity	Impact	Frequency	Root Cause	Control Measures	Responsible Party	Start Date	End Date	Current Status	Last Updated	Updated By	Next Review	Residual Risk	Initial Risk	Final Risk
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Project Name		Project Number		Project Location		Project Status		Project Start Date		Project End Date		Project Manager		Project Sponsor		Project Budget		Project Risk Register	
<p>Project Name: [Blank]</p> <p>Project Number: [Blank]</p> <p>Project Location: [Blank]</p> <p>Project Status: [Blank]</p> <p>Project Start Date: [Blank]</p> <p>Project End Date: [Blank]</p> <p>Project Manager: [Blank]</p> <p>Project Sponsor: [Blank]</p> <p>Project Budget: [Blank]</p> <p>Project Risk Register: [Blank]</p>																			



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
1. Project Name: <u>San Joaquin Hills</u> 2. Project Location: <u>San Joaquin Hills</u> 3. Project Description: <u>San Joaquin Hills</u> 4. Project Owner: <u>San Joaquin Hills</u> 5. Project Manager: <u>San Joaquin Hills</u> 6. Project Start Date: <u>San Joaquin Hills</u> 7. Project End Date: <u>San Joaquin Hills</u> 8. Project Budget: <u>San Joaquin Hills</u> 9. Project Status: <u>San Joaquin Hills</u> 10. Project Phase: <u>San Joaquin Hills</u> 11. Project Risk Level: <u>San Joaquin Hills</u> 12. Project Risk Category: <u>San Joaquin Hills</u> 13. Project Risk Sub-Category: <u>San Joaquin Hills</u> 14. Project Risk Description: <u>San Joaquin Hills</u> 15. Project Risk Impact: <u>San Joaquin Hills</u> 16. Project Risk Mitigation: <u>San Joaquin Hills</u> 17. Project Risk Monitoring: <u>San Joaquin Hills</u> 18. Project Risk Reporting: <u>San Joaquin Hills</u> 19. Project Risk Review: <u>San Joaquin Hills</u> 20. Project Risk Approval: <u>San Joaquin Hills</u> 21. 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Project Name	Project Number	Project Location	Project Description	Project Status	Project Start Date	Project End Date	Project Budget	Project Funding Source	Project Manager	Project Sponsor	Project Stakeholders	Project Risks	Project Issues	Project Deliverables	Project Milestones	Project Performance	Project Compliance	Project Reporting	Project Documentation	Project Communication	Project Evaluation	Project Review	Project Audit	Project Closure

Project Name	Project Number	Project Location	Project Description	Project Status	Project Start Date	Project End Date	Project Budget	Project Funding Source	Project Manager	Project Sponsor	Project Stakeholders	Project Risks	Project Issues	Project Deliverables	Project Milestones	Project Performance	Project Compliance	Project Reporting	Project Documentation	Project Communication	Project Evaluation	Project Review	Project Audit	Project Closure



Project Name		Location		Status		Risk Level		Mitigation Measures		Impact Assessment		Responsible Party		Reporting Period		Last Updated	



Project Name	Project Number	Project Location	Project Type	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Impact	Project Description	Project Objectives	Project Deliverables	Project Milestones	Project Risks	Project Issues	Project Changes	Project Communications	Project Governance	Project Reporting	Project Review	Project Closure

Approved By: Mark Boyette, TIE  
Date: 22 January 2009

Project Name	Project Number	Project Location	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Description	Project Objectives	Project Deliverables	Project Milestones	Project Risks	Project Issues	Project Change Requests	Project Communications	Project Stakeholders	Project Governance	Project Reporting	Project Review	Project Closure

Project Risk Register													Updated By: Mark Beckett, TIC Date: 25 January 2007												
Item No.	Description	Risk Category	Impact	Probability	Current Risk Level	Residual Risk Level	Control Measures	Responsible Party	Start Date	End Date	Update Frequency	Update Status	Item No.	Description	Risk Category	Impact	Probability	Current Risk Level	Residual Risk Level	Control Measures	Responsible Party	Start Date	End Date	Update Frequency	Update Status

Project Name	Project Number	Project Location	Project Type	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Impact	Project Description	Project Details	Project Notes	Project Comments	Project Actions	Project Status	Project Date	Project User	Project Version

Project Name	Project Number	Project Location	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Impact	Project Description	Project Objectives	Project Deliverables	Project Milestones	Project Risks	Project Issues	Project Changes	Project Communications	Project Governance	Project Reporting	Project Review	Project Closure

Approved By: Mark Boyette, TIE  
Date: 22 January 2009





Order Number	Order Description	Order Date	Order Status	Order Type	Order Category	Order Sub-Category	Order Item Code	Order Item Description	Order Item Quantity	Order Item Unit	Order Item Price	Order Item Total	Order Item Tax	Order Item Net Total	Order Item Discount	Order Item Freight	Order Item Shipping	Order Item Handling	Order Item Insurance	Order Item Other	Order Item Total Tax	Order Item Net Total Tax	Order Item Net Total After Tax	Order Item Net Total After Freight	Order Item Net Total After Insurance	Order Item Net Total After Other	Order Item Net Total After All	Order Item Net Total After All Tax	Order Item Net Total After All Freight	Order Item Net Total After All Insurance	Order Item Net Total After All Other	Order Item Net Total After All Tax Freight Insurance Other	Order Item Net Total After All Tax Freight Insurance Other				
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Project Name		Project Number		Project Location		Project Start Date		Project End Date		Project Status		Project Manager		Project Sponsor		Project Budget		Project Risk Register		







Title Limited		Title 1882A - Trans. Schemes													Title 1882B - Trans. Schemes																		
Project Risk Register		Title 1882A - Trans. Schemes													Title 1882B - Trans. Schemes																		
No.	Description	Category	Phase	Priority	Impact	Severity	Frequency	Duration	Complexity	Interdependency	Resource	Skills	Knowledge	Experience	Availability	Capacity	Cost	Value	Priority	Impact	Severity	Frequency	Duration	Complexity	Interdependency	Resource	Skills	Knowledge	Experience	Availability	Capacity	Cost	Value





No.	Description of Risk	Cause	Effect	Likelihood	Severity	Mitigation Measures	Residual Risk	Status	Assigned By	Date	Reviewed By	Date	Reviewed By	Date	Reviewed By	Date	Reviewed By	Date	Reviewed By	Date	Reviewed By	Date	Reviewed By	Date	Reviewed By	Date	Reviewed By	Date	Reviewed By	Date	Reviewed By	Date	Reviewed By	Date	Reviewed By	Date	Reviewed By	Date	Reviewed By	Date
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Project Name	Risk Category	Risk Description	Impact	Probability	Mitigation Strategy	Responsible Party	Status	Update Date
[This table is mostly blank with a dense grid of cells for data entry.]								

Approved By: [Name] Title

Date: 25 January 2008

Table with 28 columns and 1 header row. The header row contains the following text: "Prepared By: Mark S. ...", "Date: 22 January 2009", "Project Risk Register", "Risk ID", "Risk Description", "Risk Category", "Risk Level", "Risk Status", "Risk Owner", "Risk Mitigation", "Risk Impact", "Risk Frequency", "Risk Priority", "Risk Score", "Risk Rating", "Risk Trend", "Risk Action", "Risk Review", "Risk Update", "Risk Change", "Risk Approval", "Risk Sign-off", "Risk Acknowledgment", "Risk Acceptance", "Risk Closure", "Risk Archiving", "Risk Retention", "Risk Release", "Risk Transfer", "Risk Retention", "Risk Release", "Risk Transfer", "Risk Retention", "Risk Release", "Risk Transfer".



Project Name		Project Description		Project Location		Project Status		Project Risk		Project Impact		Project Benefit		Project Cost		Project Revenue		Project Profit		Project Loss		Project Total	

Project Name	Project Number	Project Location	Project Status	Project Type	Project Description	Project Start Date	Project End Date	Project Budget	Project Funding Source	Project Manager	Project Sponsor	Project Stakeholders	Project Risks	Project Issues	Project Deliverables	Project Milestones	Project Performance	Project Compliance	Project Reporting	Project Documentation	Project Communication	Project Evaluation	Project Review	Project Audit	Project Closure

Project Name		Project Number		Project Location		Project Start Date		Project End Date		Project Status		Project Manager		Project Sponsor		Project Budget		Project Risk		Project Impact		Project Notes			
Project ID	Project Name	Project Number	Project Location	Project Start Date	Project End Date	Project Status	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Impact	Project Notes	Project ID	Project Name	Project Number	Project Location	Project Start Date	Project End Date	Project Status	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Impact	Project Notes

Project Name		Project Number		Project Location		Project Start Date		Project End Date		Project Status		Project Manager		Project Sponsor		Project Budget		Project Risk Register	
Project ID	Project Name	Project Number	Project Location	Project Start Date	Project End Date	Project Status	Project Manager	Project Sponsor	Project Budget	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register



Title Limited				Title Limited - Trans. Scheme				Project Risk Register				Licensed By: Mark Bowyer, TIL Date: 25 January 2005																	
No.	Activity	Start Date	End Date	Risk	Cause	Effect	Priority	Control	Status	Risk Rating	Risk Score		Risk Level		Risk Category		Risk Type		Risk Impact		Risk Frequency		Risk Consequence		Risk Mitigation				
											Initial	Final	Low	High	High	Low	High	Low	High	Low	High	High	Low	High	Low	High	High	Low	







Table with 28 columns and 1 row. Header row contains text: "The Limited", "California High-Speed Rail Authority", "Project Risk Register", "Approved By: Mark Boudreau, CEO", "Date: 22 January 2009".

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100		
City Limited																						Updated By: Mark Bosatta, TE																																																																															
City of Los Angeles Transit Authority																						Date: 25 January 2009																																																																															
Transit Risk Register																																																																																																					

Project Name	Project Number	Project Location	Project Type	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Impact	Project Description	Project Details	Project Notes	Project Comments	Project Actions	Project Status	Project Date	Project User	Project Version

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52									
Project Name		Project Number	Project Status	Project Type	Project Category	Project Sub-Category	Project Location	Project Start Date	Project End Date	Project Budget	Project Funding Source	Project Manager	Project Sponsor	Project Lead	Project Team	Project Description	Project Objectives	Project Risks	Project Issues	Project Deliverables	Project Milestones	Project Progress	Project Performance	Project Compliance	Project Reporting	Project Documentation	Project Communication	Project Stakeholders	Project Partners	Project Suppliers	Project Contractors	Project Vendors	Project Consultants	Project Advisors	Project Experts	Project Specialists	Project Technicians	Project Workers	Project Staff	Project Volunteers	Project Contractors	Project Vendors	Project Consultants	Project Advisors	Project Experts	Project Specialists	Project Technicians	Project Workers	Project Staff	Project Volunteers	Project Contractors	Project Vendors	Project Consultants	Project Advisors	Project Experts	Project Specialists	Project Technicians	Project Workers	Project Staff	Project Volunteers
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Project Name Project ID Project Manager Date Version	Risk Category Risk ID Risk Description	Risk Level Risk Score Risk Impact	Risk Mitigation Risk Status Risk Owner	Risk Frequency Risk Probability Risk Consequence	Risk Identification Risk Detection Risk Monitoring	Risk Assessment Risk Analysis Risk Evaluation	Risk Management Risk Control Risk Communication	Risk Reporting Risk Documentation Risk Review	Risk Closure Risk Sign-off Risk Archiving	Risk Metrics Risk Indicators Risk Trends	Risk History Risk Changes Risk Updates	Risk Audit Risk Compliance Risk Standards	Risk Governance Risk Policies Risk Procedures	Risk Culture Risk Awareness Risk Training	Risk Improvement Risk Innovation Risk Resilience
Project Name: [Blank] Project ID: [Blank] Project Manager: [Blank] Date: [Blank] Version: [Blank]	Risk Category: [Blank] Risk ID: [Blank] Risk Description: [Blank]	Risk Level: [Blank] Risk Score: [Blank] Risk Impact: [Blank]	Risk Mitigation: [Blank] Risk Status: [Blank] Risk Owner: [Blank]	Risk Frequency: [Blank] Risk Probability: [Blank] Risk Consequence: [Blank]	Risk Identification: [Blank] Risk Detection: [Blank] Risk Monitoring: [Blank]	Risk Assessment: [Blank] Risk Analysis: [Blank] Risk Evaluation: [Blank]	Risk Management: [Blank] Risk Control: [Blank] Risk Communication: [Blank]	Risk Reporting: [Blank] Risk Documentation: [Blank] Risk Review: [Blank]	Risk Closure: [Blank] Risk Sign-off: [Blank] Risk Archiving: [Blank]	Risk Metrics: [Blank] Risk Indicators: [Blank] Risk Trends: [Blank]	Risk History: [Blank] Risk Changes: [Blank] Risk Updates: [Blank]	Risk Audit: [Blank] Risk Compliance: [Blank] Risk Standards: [Blank]	Risk Governance: [Blank] Risk Policies: [Blank] Risk Procedures: [Blank]	Risk Culture: [Blank] Risk Awareness: [Blank] Risk Training: [Blank]	Risk Improvement: [Blank] Risk Innovation: [Blank] Risk Resilience: [Blank]





Project Name		Project Number		Project Location		Project Start Date		Project End Date		Project Status		Project Manager		Project Sponsor		Project Budget		Project Risk Register		
Project ID	Project Name	Project Number	Project Location	Project Start Date	Project End Date	Project Status	Project Manager	Project Sponsor	Project Budget	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register



Project Name	Project Number	Project Location	Project Type	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Impact	Project Description	Project Details	Project Notes	Project Comments	Project Actions	Project Status	Project Date	Project User	Project Version







Project Name		Project Number		Project Location		Project Status		Project Start Date		Project End Date		Project Budget		Project Funding		Project Risk		Project Impact		Project Description	







Project Name	Project Number	Project Location	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Description	Project Objectives	Project Deliverables	Project Milestones	Project Risks	Project Issues	Project Changes	Project Communications	Project Stakeholders	Project Governance	Project Reporting	Project Review	Project Closure

Approved By: Mark Boyette, TIE  
Date: 22 January 2009

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												Identified By: Mark Bosatta, TIE	Date: 25 January 2007																																					

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Title Limited														Approved By: Mark Boyette, TIE													
Title Limited - Trans Services														Date: 25 January 2009													
Project Risk Register																											
ID	Category	Description	Impact	Severity	Probability	Current Risk	Residual Risk	Owner	Start Date	End Date	Status	Comments	Notes														

Project Name			Project Location			Project Type			Project Status			Project Budget			Project Dates			Project Contact		
Project ID			Project Description			Project Category			Project Phase			Project Cost			Project Start			Project End		

Project Name		Project Number		Project Location		Project Start Date		Project End Date		Project Status		Project Manager		Project Sponsor		Project Budget		Project Risk Register		
Project ID	Project Name	Project Number	Project Location	Project Start Date	Project End Date	Project Status	Project Manager	Project Sponsor	Project Budget	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register	Project Risk Register



Title		Author		Date		Version		Status		Comments		References		Attachments		History		Approval		Signature		Date		Initials		Remarks	
Project Risk Register		Mark Boyette, TIE		2008		1.0		Draft																			

Title Limited																		Approved By: Mark Rogala, T.E.			
Title 18822 - Trans-Scholarship																		Date: 23 January 2009			
Project Risk Register																					
Item	Description	Phase	Start	End	Category	Priority	Severity	Impact	Probability	Score	Owner	Responsible	Status	Update	Comments	Notes	Version	Revision	Created	Modified	







Project Name	Project Number	Project Location	Project Status	Project Type	Project Description	Project Start Date	Project End Date	Project Budget	Project Funding Source	Project Manager	Project Sponsor	Project Stakeholders	Project Risks	Project Issues	Project Deliverables	Project Milestones	Project Performance	Project Compliance	Project Reporting	Project Documentation	Project Communication	Project Evaluation	Project Review	Project Archiving	Project Termination	Project Success	Project Lessons Learned	Project Best Practices	Project Innovation	Project Sustainability	Project Impact	Project Legacy	Project Reputation	Project Branding	Project Marketing	Project Sales	Project Customer Service	Project Support	Project Training	Project Development	Project Operations	Project Maintenance	Project Upgrades	Project Expansion	Project Diversification	Project Globalization	Project Digitalization	Project Automation	Project AI/ML	Project Blockchain	Project IoT	Project AR/VR	Project Robotics	Project Drones	Project Smart Cities	Project Smart Homes	Project Smart Cars	Project Smart Factories	Project Smart Agriculture	Project Smart Energy	Project Smart Water	Project Smart Health	Project Smart Education	Project Smart Retail	Project Smart Logistics	Project Smart Manufacturing	Project Smart Services	Project Smart Infrastructure	Project Smart Governance	Project Smart Society	Project Smart Future
<p>Project Name: [Blank]</p> <p>Project Number: [Blank]</p> <p>Project Location: [Blank]</p> <p>Project Status: [Blank]</p> <p>Project Type: [Blank]</p> <p>Project Description: [Blank]</p> <p>Project Start Date: [Blank]</p> <p>Project End Date: [Blank]</p> <p>Project Budget: [Blank]</p> <p>Project Funding Source: [Blank]</p> <p>Project Manager: [Blank]</p> <p>Project Sponsor: [Blank]</p> <p>Project Stakeholders: [Blank]</p> <p>Project Risks: [Blank]</p> <p>Project Issues: [Blank]</p> <p>Project Deliverables: [Blank]</p> <p>Project Milestones: [Blank]</p> <p>Project Performance: [Blank]</p> <p>Project Compliance: [Blank]</p> <p>Project Reporting: [Blank]</p> <p>Project Documentation: [Blank]</p> <p>Project Communication: [Blank]</p> <p>Project Evaluation: [Blank]</p> <p>Project Review: [Blank]</p> <p>Project Archiving: [Blank]</p> <p>Project Termination: [Blank]</p> <p>Project Success: [Blank]</p> <p>Project Lessons Learned: [Blank]</p> <p>Project Best Practices: [Blank]</p> <p>Project Innovation: [Blank]</p> <p>Project Sustainability: [Blank]</p> <p>Project Impact: [Blank]</p> <p>Project Legacy: [Blank]</p> <p>Project Reputation: [Blank]</p> <p>Project Branding: [Blank]</p> <p>Project Marketing: [Blank]</p> <p>Project Sales: [Blank]</p> <p>Project Customer Service: [Blank]</p> <p>Project Support: [Blank]</p> <p>Project Training: [Blank]</p> <p>Project Development: [Blank]</p> <p>Project Operations: [Blank]</p> <p>Project Maintenance: [Blank]</p> <p>Project Upgrades: [Blank]</p> <p>Project Expansion: [Blank]</p> <p>Project Diversification: [Blank]</p> <p>Project Globalization: [Blank]</p> <p>Project Digitalization: [Blank]</p> <p>Project Automation: [Blank]</p> <p>Project AI/ML: [Blank]</p> <p>Project Blockchain: [Blank]</p> <p>Project IoT: [Blank]</p> <p>Project AR/VR: [Blank]</p> <p>Project Robotics: [Blank]</p> <p>Project Drones: [Blank]</p> <p>Project Smart Cities: [Blank]</p> <p>Project Smart Homes: [Blank]</p> <p>Project Smart Cars: [Blank]</p> <p>Project Smart Factories: [Blank]</p> <p>Project Smart Agriculture: [Blank]</p> <p>Project Smart Energy: [Blank]</p> <p>Project Smart Water: [Blank]</p> <p>Project Smart Health: [Blank]</p> <p>Project Smart Education: [Blank]</p> <p>Project Smart Retail: [Blank]</p> <p>Project Smart Logistics: [Blank]</p> <p>Project Smart Manufacturing: [Blank]</p> <p>Project Smart Services: [Blank]</p> <p>Project Smart Infrastructure: [Blank]</p> <p>Project Smart Governance: [Blank]</p> <p>Project Smart Society: [Blank]</p> <p>Project Smart Future: [Blank]</p>																																																																							

Project Name		Project Number		Project Location		Project Start Date		Project End Date		Project Status		Project Manager		Project Sponsor		Project Budget		Project Risk		Project Impact	
ID	Name	Code	Ref	City	State	Start	End	Phase	Progress	Lead	Support	Allocated	Actual	Forecast	Category	Level	Value	Score	Rating	Notes	Comments

Table with columns: Risk ID, Risk Description, Risk Category, Risk Status, Risk Rating, Risk Owner, Risk Mitigation, Risk Review Date, Risk Review Status, Risk Review Comments, Risk Review Date, Risk Review Status, Risk Review Comments.

Table with 16 columns and 1 row: Risk ID, Risk Description, Risk Category, Risk Status, Risk Rating, Risk Owner, Risk Mitigation, Risk Review Date, Risk Review Status, Risk Review Comments, Risk Review Date, Risk Review Status, Risk Review Comments, Risk Review Date, Risk Review Status, Risk Review Comments.

Title Limited Title 18824 - Trans. System Project Risk Register		Identified By: Mark Boyette, TIE Date: 28 January 2003																					

<b>City of Los Angeles - Transportation - Project Risk Register</b>																																									Approved By: Mark Boukaya, TE																									
Date: 11 January 2023																																																																		

Table with 28 columns and 1 header row. The header row contains the following text: "The Limited", "Title 1802 - Trans. Schemes", "Project Risk Register", "Updated By: Mark Boyette, TIE", "Date: 28 January 2008". The table body is empty.



Title	Number	Description	Risk	Priority	Status	Responsible	Start Date	End Date	Last Update	Version	Created By	Created Date	Last Modified By	Last Modified Date
[Empty grid area for risk register data]														



Table with multiple columns and rows, mostly empty, containing header information at the top.



Table with 28 columns and 1 header row. The header row contains the following text: "Prepared By: Mark S. ...", "Date: 22 January 2009", "Project Name: ...", "Project Number: ...", "Project Location: ...", "Project Description: ...", "Project Start Date: ...", "Project End Date: ...", "Project Status: ...", "Project Manager: ...", "Project Sponsor: ...", "Project Stakeholders: ...", "Project Risks: ...", "Project Opportunities: ...", "Project Challenges: ...", "Project Objectives: ...", "Project Deliverables: ...", "Project Milestones: ...", "Project Budget: ...", "Project Resources: ...", "Project Communication: ...", "Project Governance: ...", "Project Compliance: ...", "Project Security: ...", "Project Privacy: ...", "Project Accessibility: ...", "Project Sustainability: ...".



Table with 40 columns and 1 row. Headers include: Name, Address, City, State, Zip, Phone, Fax, E-mail, Web, Project Name, Project No., Project Description, Risk Category, Risk Rating, Risk Level, Risk Mitigation, and Date. The table is mostly blank with some faint text in the first row.



Project Name	Project Number	Project Location	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Description	Project Objectives	Project Deliverables	Project Milestones	Project Risks	Project Issues	Project Changes	Project Communications	Project Stakeholders	Project Governance	Project Reporting	Project Review	Project Closure

Project Name		Project Number		Project Location		Project Start Date		Project End Date		Project Status		Project Manager		Project Sponsor		Project Budget		Project Risk Register		



Project Information					Risk Assessment										Approval	
ID	Name	Category	Priority	Status	Source	Impact	Frequency	Severity	Mitigation	Owner	Responsible	Start	End	Reviewed	Approved	Date



Table with multiple columns and rows, containing headers and data. The table is mostly empty with a grid pattern.





Project Name	Project Number	Project Location	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Description	Project Objectives	Project Deliverables	Project Milestones	Project Risks	Project Issues	Project Change Requests	Project Communications	Project Stakeholders	Project Governance	Project Reporting	Project Review	Project Closure



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Company Name	Project Name	Project Location	Project Type	Project Status	Project Start Date	Project End Date	Project Budget	Project Cost	Project Revenue	Project Profit	Project Risk	Project Complexity	Project Duration	Project Team	Project Manager	Project Sponsor	Project Stakeholders	Project Objectives	Project Deliverables	Project Milestones	Project Risks	Project Issues	Project Changes	Project Communications	Project Documentation	Project Reports	Project Meetings	Project Reviews	Project Audits	Project Evaluations	Project Feedback
[Empty grid area for project data]																															

Updated By: Mark Boyette, TE  
Date: 25 January 2009



Table with columns for Risk ID, Risk Description, Risk Category, Risk Status, Risk Rating, Risk Owner, Risk Mitigation, Risk Review, and Risk Update. The table is mostly empty, with only a few header rows visible.



Project Name	Project Number	Project Location	Project Status	Project Description	Project Start Date	Project End Date	Project Budget	Project Funding Source	Project Manager	Project Sponsor	Project Stakeholders	Project Risks	Project Issues	Project Changes	Project Performance	Project Compliance	Project Reporting	Project Communication	Project Documentation	Project Evaluation	

Title	No.	Date	Description	Status	Priority	Risk	Impact	Mitigation	Owner	Reviewer	Approved
[Empty grid rows]											

Approved By: Mark Sokatka, TI  
Date: 28 January 2009



Title		Author		Date		Version		Status		Comments		Approved By		Date	
Title		Author		Date		Version		Status		Comments		Approved By		Date	
Title		Author		Date		Version		Status		Comments		Approved By		Date	
[Empty grid area for data entry]															







Project Name		Project Location		Project Type		Project Status		Project Start/End		Project Manager		Project Sponsor		Project Budget		Project Risk	

Approved By: Mark Boyette, TIE  
Date: 22 January 2009



Title		Author		Date		Version		Project		Status		Risk		Impact		Mitigation		Owner		Responsible		Approved		Reviewed	
<p>This document is a template for a Risk Register. It contains a large grid for recording risks, including their identification, analysis, and mitigation strategies.</p>																									

Table with 10 columns and multiple rows. Headers include: Project Name, Location, Description, Risk, Severity, Date, Status, and Assigned To. The table is currently empty of data.

Project Name	Project Number	Project Description	Project Status	Project Start Date	Project End Date	Project Budget	Project Funding Source	Project Risk Level	Project Lead	Project Manager	Project Coordinator	Project Sponsor	Project Steering Committee	Project Governance	Project Reporting	Project Communication	Project Documentation	Project Performance	Project Evaluation	Project Review	Project Closure	Project Archiving	Project Retention	Project Disposal

Table with columns for Risk ID, Risk Description, Risk Category, Risk Rating, and Risk Status. The table is mostly empty, with only a few rows of data visible at the top.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500
<p>By Limited          Title 19.502 - Trans. Schemes          Fraud Risk Register</p>										<p>Updated By: Mark Bouatta, TIE          Date: 23 January 2020</p>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

Project Information		Risk Identification		Risk Assessment		Risk Mitigation		Risk Monitoring		Risk Reporting	
Project Name	Project ID	Risk Category	Risk Description	Probability	Impact	Mitigation Strategy	Mitigation Owner	Monitoring Frequency	Reporting Period	Status	Responsible Party
<p>The following table is a template for a Risk Register. It is currently blank, with the header information populated above. The table is designed to capture and track risks throughout the project lifecycle.</p>											



Project Name		Project Location		Project Type		Project Status		Project Description		Project Risk		Project Impact		Project Mitigation		Project Monitoring		Project Reporting		Project Review		Project Approval		Project Sign-off		
ID	Name	Address	City	State	Country	Phase	Start Date	End Date	Details	Level	Category	Severity	Frequency	Responsible	Start Date	End Date	Frequency	Responsible	Start Date	End Date	Frequency	Responsible	Start Date	End Date	Frequency	Responsible

Approved By: Mark Boyette, TIE  
Date: 22 January 2009

3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
Project Risk Register																									Identified By: Mark Rozema, T.E.																									Date: 28 January 2005																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

Table with 27 columns and 1 header row. The header row contains the following text: "Prepared By: Mark Boyette, TIE", "Date: 22 January 2003", "Title: Project Risk Register", "Project Name: Trans-Scholar", "Company: [Redacted]". The table body is empty.

Title			Organization				Priority				Status				Risk				Impact				Mitigation						
Project	Phase	Activity	Area	Department	Division	Section	Team	Lead	Owner	Priority	Severity	Frequency	Complexity	Uncertainty	Consequence	Reputation	Financial	Operational	Legal	Environmental	Health	Safety	Compliance	Other	Strategy	Action	Responsible	Timeline	

Project Name		Project Number		Project Location		Project Status		Project Start Date		Project End Date		Project Budget		Project Manager		Project Sponsor		Project Stakeholders		Project Risks		Project Issues		Project Comments		
Project Name		Project Number		Project Location		Project Status		Project Start Date		Project End Date		Project Budget		Project Manager		Project Sponsor		Project Stakeholders		Project Risks		Project Issues		Project Comments		

Project Name	Project No.	Project Location	Project Description	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk Rating	Project Risk Category	Project Risk Description	Project Risk Mitigation	Project Risk Owner	Project Risk Update Date	Project Risk Review Date	Project Risk Reviewer	Project Risk Reviewer Title	Project Risk Reviewer Email	Project Risk Reviewer Phone	Project Risk Reviewer Fax	Project Risk Reviewer Address	Project Risk Reviewer City	Project Risk Reviewer State	Project Risk Reviewer Zip
<p>Project Name: [Blank]</p> <p>Project No.: [Blank]</p> <p>Project Location: [Blank]</p> <p>Project Description: [Blank]</p> <p>Project Status: [Blank]</p> <p>Project Start Date: [Blank]</p> <p>Project End Date: [Blank]</p> <p>Project Manager: [Blank]</p> <p>Project Sponsor: [Blank]</p> <p>Project Budget: [Blank]</p> <p>Project Risk Rating: [Blank]</p> <p>Project Risk Category: [Blank]</p> <p>Project Risk Description: [Blank]</p> <p>Project Risk Mitigation: [Blank]</p> <p>Project Risk Owner: [Blank]</p> <p>Project Risk Update Date: [Blank]</p> <p>Project Risk Review Date: [Blank]</p> <p>Project Risk Reviewer: [Blank]</p> <p>Project Risk Reviewer Title: [Blank]</p> <p>Project Risk Reviewer Email: [Blank]</p> <p>Project Risk Reviewer Phone: [Blank]</p> <p>Project Risk Reviewer Fax: [Blank]</p> <p>Project Risk Reviewer Address: [Blank]</p> <p>Project Risk Reviewer City: [Blank]</p> <p>Project Risk Reviewer State: [Blank]</p> <p>Project Risk Reviewer Zip: [Blank]</p>																									

Project Name	Project Number	Project Location	Project Type	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Impact	Project Description	Project Details	Project Notes	Project Comments	Project Actions	Project Status	Project Date	Project User	Project Version

Project Name		Project Number		Project Location		Project Start Date		Project End Date		Project Status		Project Manager		Project Sponsor		Project Budget		Project Risk		Project Impact		Project Notes	
<p>Project Name: [Empty]</p> <p>Project Number: [Empty]</p> <p>Project Location: [Empty]</p> <p>Project Start Date: [Empty]</p> <p>Project End Date: [Empty]</p> <p>Project Status: [Empty]</p> <p>Project Manager: [Empty]</p> <p>Project Sponsor: [Empty]</p> <p>Project Budget: [Empty]</p> <p>Project Risk: [Empty]</p> <p>Project Impact: [Empty]</p> <p>Project Notes: [Empty]</p>																							



Project Name	Project Number	Project Location	Project Type	Project Status	Project Start Date	Project End Date	Project Budget	Project Funding Source	Project Manager	Project Sponsor	Project Lead	Project Stakeholders	Project Risks	Project Issues	Project Deliverables	Project Milestones	Project Progress	Project Performance	Project Compliance	Project Reporting	Project Documentation	Project Communication	Project Governance	Project Evaluation	Project Review	Project Audit	Project Lessons Learned	Project Best Practices	Project Innovation	Project Sustainability	Project Social Impact	Project Environmental Impact	Project Economic Impact	Project Cultural Impact	Project Historical Impact	Project Future Outlook	Project Recommendations	Project Conclusions
<p>Project Name: [Blank]</p> <p>Project Number: [Blank]</p> <p>Project Location: [Blank]</p> <p>Project Type: [Blank]</p> <p>Project Status: [Blank]</p> <p>Project Start Date: [Blank]</p> <p>Project End Date: [Blank]</p> <p>Project Budget: [Blank]</p> <p>Project Funding Source: [Blank]</p> <p>Project Manager: [Blank]</p> <p>Project Sponsor: [Blank]</p> <p>Project Lead: [Blank]</p> <p>Project Stakeholders: [Blank]</p> <p>Project Risks: [Blank]</p> <p>Project Issues: [Blank]</p> <p>Project Deliverables: [Blank]</p> <p>Project Milestones: [Blank]</p> <p>Project Progress: [Blank]</p> <p>Project Performance: [Blank]</p> <p>Project Compliance: [Blank]</p> <p>Project Reporting: [Blank]</p> <p>Project Documentation: [Blank]</p> <p>Project Communication: [Blank]</p> <p>Project Governance: [Blank]</p> <p>Project Evaluation: [Blank]</p> <p>Project Review: [Blank]</p> <p>Project Audit: [Blank]</p> <p>Project Lessons Learned: [Blank]</p> <p>Project Best Practices: [Blank]</p> <p>Project Innovation: [Blank]</p> <p>Project Sustainability: [Blank]</p> <p>Project Social Impact: [Blank]</p> <p>Project Environmental Impact: [Blank]</p> <p>Project Economic Impact: [Blank]</p> <p>Project Cultural Impact: [Blank]</p> <p>Project Historical Impact: [Blank]</p> <p>Project Future Outlook: [Blank]</p> <p>Project Recommendations: [Blank]</p> <p>Project Conclusions: [Blank]</p>																																						

Project Name	Project Number	Project Location	Project Description	Project Status	Project Start Date	Project End Date	Project Budget	Project Funding Source	Project Manager	Project Sponsor	Project Stakeholders	Project Risks	Project Issues	Project Deliverables	Project Milestones	Project Performance	Project Compliance	Project Reporting	Project Documentation	Project Communication	Project Governance	Project Evaluation	Project Review	Project Audit	Project Improvement	Project Innovation	Project Sustainability	Project Social Impact	Project Environmental Impact	Project Economic Impact	Project Cultural Impact	Project Historical Impact	Project Future Impact	Project Legacy	Project Success	Project Failure	Project Lessons Learned	Project Best Practices	Project Case Studies	Project Research	Project Publications	Project Conferences	Project Workshops	Project Seminars	Project Webinars	Project Podcasts	Project YouTube	Project Twitter	Project Facebook	Project LinkedIn	Project Instagram	Project Snapchat	Project TikTok	Project Other
[Empty grid area for project data]																																																						





Table with multiple columns and rows. The top row contains headers such as 'Project Name', 'Risk Category', 'Risk Description', 'Risk Rating', 'Risk Mitigation', and 'Risk Owner'. The table is mostly empty, with only a few rows of data visible at the top. The text 'Approved By: Mark Boyette, TIE' and 'Date: 22 January 2023' is visible in the top right corner of the table area.

Project Name		Project ID		Project Location		Project Status		Project Start Date		Project End Date		Project Budget		Project Funding		Project Risk		Project Impact		Project Description	
[Empty body rows]																					



Company Name		Project Name		Risk Category		Risk Description		Risk Assessment		Risk Mitigation		Risk Status		Risk Owner		Risk Update	
Code	Name	Code	Name	Code	Name	Description	Severity	Impact	Frequency	Control Measures	Residual Risk	Current Status	Assigned To	Last Update	Next Review	Notes	Comments







Table with 47 columns and 1 header row. The header row contains the following text:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	
																																				Identified By: Mark Douglas, T.E.											
																																				Date: 22 January 2003											

Table with 28 columns and 1 header row. The header row contains the following text: "Prepared By: Mark S. ...", "Date: 22 January 2009", and "Approved By: Mark S. ...". The table body is mostly empty with a grid pattern.

Project Name	Project Number	Project Location	Project Type	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Impact	Project Description	Project Details	Project Notes	Project Comments	Project Actions	Project Status	Project Date	Project User	Project Version

Table with columns for Project Name, Location, Status, and other project details. Includes a header section with text like 'Approved By: Mark Boyette, TIE' and 'Date: 22 January 2009'.

Title		Author		Date		Version		Status		Comments		Reviewed		Approved		Signed		Date		Signature	
Project Risk Register																					

Table with a header row containing the following text: "City Limited", "Title 18822 - Trans-Services", "Project Risk Register", and "Updated By: Mark Boyette, TIE Date: 25 January 2009". The table body is a large grid with many columns and rows.





Project Name: [Blank]														Project Location: [Blank]													Project Description: [Blank]										Project Start/End: [Blank]										
Risk Category												Risk Sub-Category										Risk Assessment								Risk Mitigation						Risk Monitoring						Risk Reporting					
Risk ID		Risk Name		Risk Description		Risk Severity		Risk Priority		Risk Status		Risk Owner		Risk Date		Risk Impact		Risk Likelihood		Risk Mitigation Strategy		Risk Mitigation Action		Risk Mitigation Start		Risk Mitigation End		Risk Monitoring Frequency		Risk Monitoring Method		Risk Reporting Frequency		Risk Reporting Method													
[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]											
[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]										

Project Name	Project Number	Project Location	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Description	Project Objectives	Project Deliverables	Project Milestones	Project Risks	Project Issues	Project Change Requests	Project Communications	Project Stakeholders	Project Governance	Project Reporting	Project Review	Project Closure



Project Name		Project Number		Project Location		Project Status		Project Type		Project Risk		Project Impact		Project Mitigation		Project Monitoring		Project Reporting		Project Review		Project Approval		Project Sign-off		Project Closure			
Project ID	Project Name	Project Number	Project Location	Project Status	Project Type	Project Risk	Project Impact	Project Mitigation	Project Monitoring	Project Reporting	Project Review	Project Approval	Project Sign-off	Project Closure	Project ID	Project Name	Project Number	Project Location	Project Status	Project Type	Project Risk	Project Impact	Project Mitigation	Project Monitoring	Project Reporting	Project Review	Project Approval	Project Sign-off	Project Closure

Project Name		Description		Start Date	End Date	Status	Risk Level	Identification		Mitigation	Owner	Last Update
								By Whom	Date			
Project A								John Doe	2023-01-15		John Doe	2023-01-15
Project B								Jane Smith	2023-02-20		Jane Smith	2023-02-20
Project C								Michael Chen	2023-03-10		Michael Chen	2023-03-10
Project D								Sarah Lee	2023-04-05		Sarah Lee	2023-04-05
Project E								David Kim	2023-05-20		David Kim	2023-05-20
Project F								Emily White	2023-06-15		Emily White	2023-06-15
Project G								Robert Brown	2023-07-30		Robert Brown	2023-07-30
Project H								Lisa Green	2023-08-10		Lisa Green	2023-08-10
Project I								Kevin Black	2023-09-25		Kevin Black	2023-09-25
Project J								Amanda Gray	2023-10-20		Amanda Gray	2023-10-20

Project Name	Project Number	Project Location	Project Description	Project Status	Project Start Date	Project End Date	Project Budget	Project Funding Source	Project Manager	Project Sponsor	Project Stakeholders	Project Risks	Project Issues	Project Deliverables	Project Milestones	Project Performance	Project Compliance	Project Reporting	Project Documentation	Project Communication	Project Evaluation	Project Review	Project Lessons Learned	Project Best Practices	Project Innovation	Project Sustainability	Project Impact	Project Legacy

Project Name	Project Number	Project Location	Project Type	Project Status	Project Start Date	Project End Date	Project Manager	Project Sponsor	Project Budget	Project Risk	Project Impact	Project Description	Project Details	Project Notes	Project Comments	Project Actions	Project Status	Project Date	Project User	Project Version



Table with 40 columns and 1 row. Headers include: Project Name, Project ID, Project Manager, Project Start Date, Project End Date, Project Budget, Project Status, Project Risk, Project Description, Project Location, Project Type, Project Category, Project Sub-category, Project Phase, Project Milestone, Project Deliverable, Project Stakeholder, Project Sponsor, Project Steering Committee, Project Governance, Project Communication, Project Reporting, Project Documentation, Project Change Management, Project Risk Management, Project Quality Management, Project Resource Management, Project Procurement Management, Project Contract Management, Project Financial Management, Project Information Management, Project Legal Management, Project Environmental Management, Project Health & Safety Management, Project Compliance Management, Project Sustainability Management, Project Social & Environmental Impact, Project Stakeholder Engagement, Project Monitoring & Evaluation, Project Review & Reporting, Project Archiving, Project Closeout, Project Post-Mortem, Project Lessons Learned, Project Success Metrics, Project Overall Rating, Project Approval Status, Project Approval Date, Project Approval Authority, Project Approval Conditions, Project Approval Comments, Project Approval Signature, Project Approval Date, Project Approval Authority, Project Approval Conditions, Project Approval Comments, Project Approval Signature.

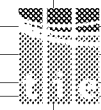
Sl. No.	Project Name	Project Location	Project Type	Project Status	Project Description	Project Start Date	Project End Date	Project Budget (Rs. Lakhs)	Project Funding Source	Project Progress (%)	Project Risk	Project Impact	Project Stakeholders

Title: Project Risk Register																				
Item ID	Item Description	Category	Sub-category	Start Date	End Date	Status	Owner	Assigned To	Priority	Severity	Impact	Mitigation Strategy	Current Status	Next Review Date	Review Status	Comments	Created By	Created Date	Last Modified	

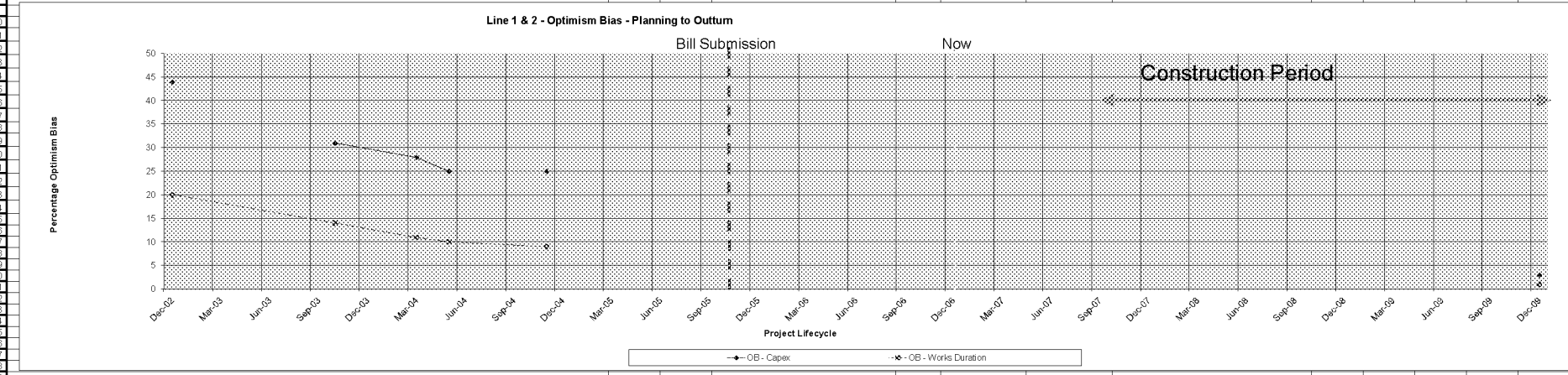
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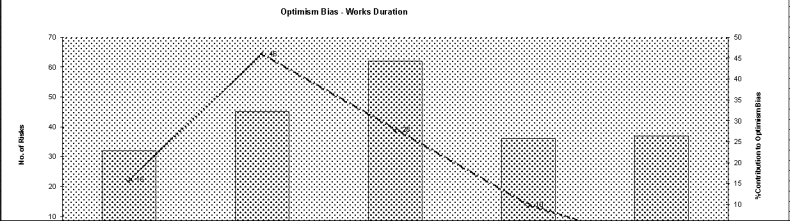
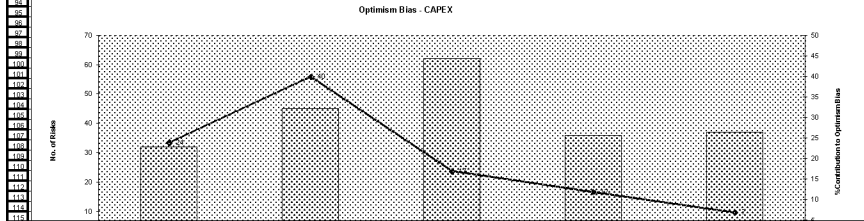
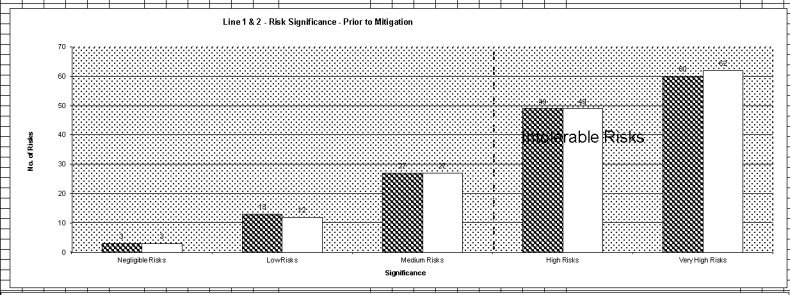
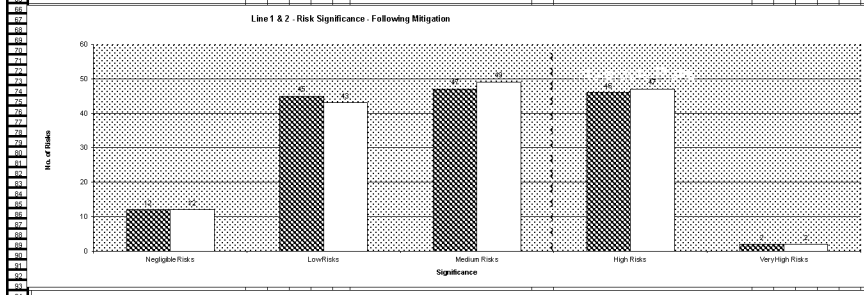
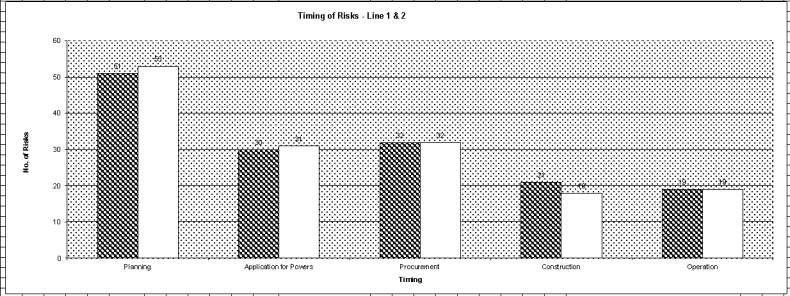
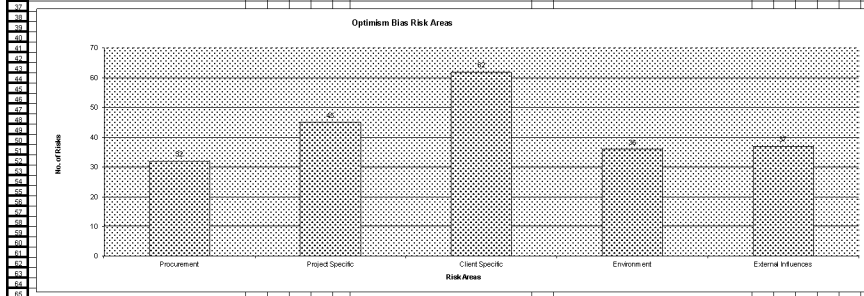
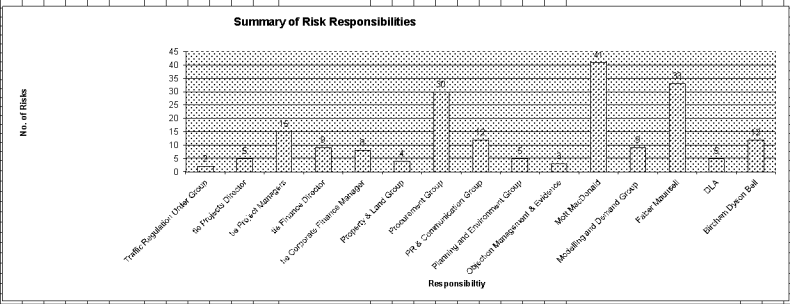
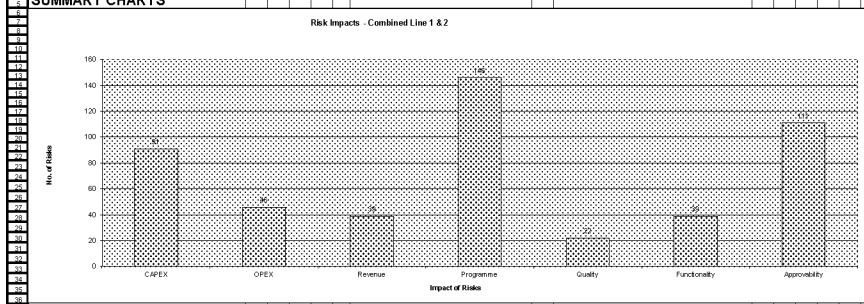
tie Limited  
 Line 1 and 2 Tram Schemes  
 Project Risk Register  
 Profile of Optimism Bias



A summary chart of the progress of reducing Optimism Bias is shown below that indicates a measure of progress in risk management.



Event	Date	OB - capex	OB - works	
Appointment of Advisors	Dec-02	44	20	Upper Bound Starting Values (HM Treasury)
Calculation of OB for STAG & PFCs	Oct-03	31	14	
OB Refresh	Mar-04	28	11	
OB Refresh	May-04	25	10	
OB Refresh	Nov-04	25	9	
Application for Funds	May-05			
Commencement of Construction	Jul-06			
Completion of Construction	Dec-09	3	1	Minimum Values (HM Treasury)



Row	Column	Risk Areas																Risk Areas										Risk Areas										Group																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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		P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36		P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P69	P70	P71	P72	P73	P74	P75	P76	P77	P78	P79	P80	P81	P82	P83	P84	P85	P86	P87	P88	P89	P90	P91	P92	P93	P94	P95	P96	P97	P98	P99	P100	P101	P102	P103	P104	P105	P106	P107	P108	P109	P110	P111	P112	P113	P114	P115	P116	P117	P118	P119	P120	P121	P122	P123	P124	P125	P126	P127	P128	P129	P130	P131	P132	P133	P134	P135	P136	P137	P138	P139	P140	P141	P142	P143	P144	P145	P146	P147	P148	P149	P150	P151	P152	P153	P154	P155	P156	P157	P158	P159	P160	P161	P162	P163	P164	P165	P166	P167	P168	P169	P170	P171	P172	P173	P174	P175	P176	P177	P178	P179	P180	P181	P182	P183	P184	P185	P186	P187	P188	P189	P190	P191	P192	P193	P194	P195	P196	P197	P198	P199	P200	P201	P202	P203	P204	P205	P206	P207	P208	P209	P210	P211	P212	P213	P214	P215	P216	P217	P218	P219	P220	P221	P222	P223	P224	P225	P226	P227	P228	P229	P230	P231	P232	P233	P234	P235	P236	P237	P238	P239	P240	P241	P242	P243	P244	P245	P246	P247	P248	P249	P250	P251	P252	P253	P254	P255	P256	P257	P258	P259	P260	P261	P262	P263	P264	P265	P266	P267	P268	P269	P270	P271	P272	P273	P274	P275	P276	P277	P278	P279	P280	P281	P282	P283	P284	P285	P286	P287	P288	P289	P290	P291	P292	P293	P294	P295	P296	P297	P298	P299	P300	P301	P302	P303	P304	P305	P306	P307	P308	P309	P310	P311	P312	P313	P314	P315	P316	P317	P318	P319	P320	P321	P322	P323	P324	P325	P326	P327	P328	P329	P330	P331	P332	P333	P334	P335	P336	P337	P338	P339	P340	P341	P342	P343	P344	P345	P346	P347	P348	P349	P350	P351	P352	P353	P354	P355	P356	P357	P358	P359	P360	P361	P362	P363	P364	P365	P366	P367	P368	P369	P370	P371	P372	P373	P374	P375	P376	P377	P378	P379	P380	P381	P382	P383	P384	P385	P386	P387	P388	P389	P390	P391	P392	P393	P394	P395	P396	P397	P398	P399	P400	P401	P402	P403	P404	P405	P406	P407	P408	P409	P410	P411	P412	P413	P414	P415	P416	P417	P418	P419	P420	P421	P422	P423	P424	P425	P426	P427	P428	P429	P430	P431	P432	P433	P434	P435	P436	P437	P438	P439	P440	P441	P442	P443	P444	P445	P446	P447	P448	P449	P450	P451	P452	P453	P454	P455	P456	P457	P458	P459	P460	P461	P462	P463	P464	P465	P466	P467	P468	P469	P470	P471	P472	P473	P474	P475	P476	P477	P478	P479	P480	P481	P482	P483	P484	P485	P486	P487	P488	P489	P490	P491	P492	P493	P494	P495	P496	P497	P498	P499	P500	P501	P502	P503	P504	P505	P506	P507	P508	P509	P510	P511	P512	P513	P514	P515	P516	P517	P518	P519	P520	P521	P522	P523	P524	P525	P526	P527	P528	P529	P530	P531	P532	P533	P534	P535	P536	P537	P538	P539	P540	P541	P542	P543	P544	P545	P546	P547	P548	P549	P550	P551	P552	P553	P554	P555	P556	P557	P558	P559	P560	P561	P562	P563	P564	P565	P566	P567	P568	P569	P570	P571	P572	P573	P574	P575	P576	P577	P578	P579	P580	P581	P582	P583	P584	P585	P586	P587	P588	P589	P590	P591	P592	P593	P594	P595	P596	P597	P598	P599	P600	P601	P602	P603	P604	P605	P606	P607	P608	P609	P610	P611	P612	P613	P614	P615	P616	P617	P618	P619	P620	P621	P622	P623	P624	P625	P626	P627	P628	P629	P630	P631	P632	P633	P634	P635	P636	P637	P638	P639	P640	P641	P642	P643	P644	P645	P646	P647	P648	P649	P650	P651	P652	P653	P654	P655	P656	P657	P658	P659	P660	P661	P662	P663	P664	P665	P666	P667	P668	P669	P670	P671	P672	P673	P674	P675	P676	P677	P678	P679	P680	P681	P682	P683	P684	P685	P686	P687	P688	P689	P690	P691	P692	P693	P694	P695	P696	P697	P698	P699	P700	P701	P702	P703	P704	P705	P706	P707	P708	P709	P710	P711	P712	P713	P714	P715	P716	P717	P718	P719	P720	P721	P722	P723	P724	P725	P726	P727	P728	P729	P730	P731	P732	P733	P734	P735	P736	P737	P738	P739	P740	P741	P742	P743	P744	P745	P746	P747	P748	P749	P750	P751	P752	P753	P754	P755	P756	P757	P758	P759	P760	P761	P762	P763	P764	P765	P766	P767	P768	P769	P770	P771	P772	P773	P774	P775	P776	P777	P778	P779	P780	P781	P782	P783	P784	P785	P786	P787	P788	P789	P790	P791	P792	P793	P794	P795	P796	P797	P798	P799	P800	P801	P802	P803	P804	P805	P806	P807	P808	P809	P810	P811	P812	P813	P814	P815	P816	P817	P818	P819	P820	P821	P822	P823	P824	P825	P826	P827	P828	P829	P830	P831	P832	P833	P834	P835	P836	P837	P838	P839	P840	P841	P842	P843	P844	P845	P846	P847	P848	P849	P850	P851	P852	P853	P854	P855	P856	P857	P858	P859	P860	P861	P862	P863	P864	P865	P866	P867	P868	P869	P870	P871	P872	P873	P874	P875	P876	P877	P878	P879	P880	P881	P882	P883	P884	P885	P886	P887	P888	P889	P890	P891	P892	P893	P894	P895	P896	P897	P898	P899	P900	P901	P902	P903	P904	P905	P906	P907	P908	P909	P910	P911	P912	P913	P914	P915	P916	P917	P918	P919	P920	P921	P922	P923	P924	P925	P926	P927	P928	P929	P930	P931	P932	P933	P934	P935	P936	P937	P938	P939	P940	P941	P942	P943	P944	P945	P946	P947	P948	P949	P950	P951	P952	P953	P954	P955	P956	P957	P958	P959	P960	P961	P962	P963	P964	P965	P966	P967	P968	P969	P970	P971	P972	P973	P974	P975	P976	P977	P978	P979	P980	P981	P982	P983	P984	P985	P986	P987	P988	P989	P990	P991	P992	P993	P994	P995	P996	P997	P998	P999	P1000	P1001	P1002	P1003	P1004	P1005	P1006	P1007	P1008	P1009	P1010	P1011	P1012	P1013	P1014	P1015	P1016	P1017	P1018	P1019	P1020	P1021	P1022	P1023	P1024	P1025	P1026	P1027	P1028	P1029	P1030	P1031	P1032	P1033	P1034	P1035	P1036	P1037	P1038	P1039	P1040	P1041	P1042	P1043	P1044	P1045	P1046	P1047	P1048	P1049	P1050	P1051	P1052	P1053	P1054	P1055	P1056	P1057	P1058	P1059	P1060	P1061	P1062	P1063	P1064	P1065	P1066	P1067	P1068	P1069	P1070	P1071	P1072	P1073	P1074	P1075	P1076	P1077	P1078	P1079	P1080	P1081	P1082	P1083	P1084	P1085	P1086	P1087	P1088	P1089	P1090	P1091	P1092	P1093	P1094	P1095	P1096	P1097	P1098	P1099	P1100	P1101	P1102	P1103	P1104	P1105	P1106	P1107	P1108	P1109	P1110	P1111	P1112	P1113	P1114	P1115	P1116	P1117	P1118	P1119	P1120	P1121	P1122	P1123	P1124	P1125	P1126	P1127	P1128	P1129	P1130	P1131	P1132	P1133	P1134	P1135	P1136	P1137	P1138	P1139	P1140	P1141	P1142	P1143	P1144	P1145	P1146	P1147	P1148	P1149	P1150	P1151	P1152	P1153	P1154	P1155	P1156	P1157	P1158	P1159	P1160	P1161	P1162	P1163	P1164	P1165	P1166	P1167	P1168	P1169	P1170	P1171	P1172	P1173	P1174	P1175	P1176	P1177	P1178	P1179	P1180	P1181	P1182	P1183	P1184	P1185	P1186	P1187	P1188	P1189	P1190	P1191	P1192	P1193	P1194	P1195	P1196	P1197	P1198	P1199	P1200	P1201	P1202	P1203	P1204	P1205	P1206	P1207	P1208	P1209	P1210	P1211	P1212	P1213	P1214	P1215	P1216	P1217	P1218	P1219	P1220	P1221	P1222	P1223	P1224	P1225	P1226	P1227	P1228	P1229	P1230	P1231	P1232	P1233	P1234	P1235	P1236	P1237	P1238	P1239	P1240	P1241	P1242	P1243	P1244	P1245	P1246	P1247	P1248	P1249	P1250	P1251	P1252	P1253	P1254	P1255	P1256	P1257	P1258	P1259	P1260	P1261	P1262	P1263	P1264	P1265	P1266	P1267	P1268	P1269	P1270	P1271	P1272	P1273	P1274	P1275	P1276	P1277	P1278	P1279	P1280	P1281	P1282	P1283	P1284	P1285	P1286	P1287	P1288	P1289	P1290	P1291	P1292	P1293	P1294	P1295	P1296	P1297	P1298	P1299	P1300	P1301	P1302	P1303	P1304	P1305	P1306	P1307	P1308	P1309	P1310	P1311	P1312	P1313	P1314	P1315	P1316	P1317	P1318	P1319	P1320	P1321	P1322	P1323	P1324	P1325	P1326	P1327	P1328	P1329	P1330	P1331	P1332	P1333	P1334	P1335	P1336	P1337	P1338	P1339	P1340	P1341	P1342	P1343	P1344	P1345	P1346	P1347	P1348	P1349	P1350	P1351	P1352	P1353	P1354	P1355	P1356	P1357	P1358	P1359	P1360	P1361	P1362	P1363	P1364	P1365	P1366	P1367	P1368	P1369	P1370	P1371	P1372	P1373	P1374	P1375	P1376	P1377	P1378	P1379	P1380	P1381	P1382	P1383	P1384	P1385	P1386	P1387	P1388	P1389	P1390	P1391	P1392	P1393	P1394	P1395	P1396	P1397	P1398	P1399	P1400	P1401	P1402	P1403	P1404	P1405	P1406	P1407	P1408	P1409	P1410	P1411	P1412	P1413	P1414	P1415	P1416	P1417	P1418	P1419	P1420	P1421	P1422	P1423	P1424	P1425	P1426	P1427	P1428	P1429	P1430	P1431	P1432	P1433	P1434	P1435	P1436	P1437	P1438	P1439	P1440	P1441	P1442	P1443	P1444	P1445	P1446	P1447	P1448	P1449	P1450	P1451	P1452	P1453	P1454	P1455	P1456	P1457	P1458	P1459	P1460	P1461	P1462	P1463	P1464	P1465	P1466	P1467	P1468	P1469	P1470	P1471



	A	B	C	D	E	F	G	H	I
1	tie Limited								
2	Line 1 and 2 Tram Schemes								
3	Review of CAPEX Risk - Version 24 Update								
4									
5									
6	The following expected values have been assessed following assumed capex impacts on Line 1 and 2.								
7									
8	If we review the current likelihood (reviewing starting and planned likelihood and consider where we are now from use of the mitigation factors) we can assess Current Likelihood								
9									
10	The Advisors have categorised each risk...								
11									
12	Line 1 & 2 Project								
13									
14	Level	Impact	Financial	Assumed Financial Impact					
15	1	Insignificant	Up to £25k	£ 12,500					
16	2	Minor	>£25k to £100k	£ 62,500					
17	3	Moderate	>£100k to £500k	£ 300,000					
18	4	Significant	>£500k to £1m	£ 750,000					
19	5	Major	>£1m	£ 2,500,000					
20									
21									
22	When reviewed in the context of a combined Line 1 CAPEX of £220m excluding risk the potential has an impact of approximately 28% (£62m).								
23	When reviewed in the context of a combined Line 2 CAPEX of £255m excluding risk the potential has an impact of approximately 28% (£66m).								
24									
25	This compares with an upper bound potential CAPEX Optimism Bias of 44% (£158m) from historic projects assuming no mitigation.								
26									
27									
28		Line 1 - CAPEX risks					Line 2		
29									
30		Current Likelihood	Assumed Impact	Expected Value			Current Likelihood	Assumed Impact	Expected Value
31		0.98	£ 2,500,000	£ 2,450,000			0.98	£ 2,500,000	£ 2,450,000
32		0.80	£ 2,500,000	£ 2,000,000			0.80	£ 2,500,000	£ 2,000,000
33		0.60	£ 2,500,000	£ 1,500,000			0.60	£ 2,500,000	£ 1,500,000
34		0.80	£ 2,500,000	£ 2,000,000			0.80	£ 2,500,000	£ 2,000,000
35		0.84	£ 2,500,000	£ 2,100,000			0.84	£ 2,500,000	£ 2,100,000
36		0.88	£ 2,500,000	£ 2,200,000			0.88	£ 2,500,000	£ 2,200,000
37		0.92	£ 2,500,000	£ 2,300,000			0.92	£ 2,500,000	£ 2,300,000
38		0.92	£ 2,500,000	£ 2,300,000			0.92	£ 2,500,000	£ 2,300,000
39		0.92	£ 2,500,000	£ 2,300,000			0.92	£ 2,500,000	£ 2,300,000
40		0.76	£ 2,500,000	£ 1,900,000			0.76	£ 2,500,000	£ 1,900,000
41		0.88	£ 2,500,000	£ 2,200,000			0.88	£ 2,500,000	£ 2,200,000
42		0.58	£ 2,500,000	£ 1,450,000			0.58	£ 2,500,000	£ 1,450,000
43		0.70	£ 2,500,000	£ 1,750,000			0.68	£ 2,500,000	£ 1,700,000
44		0.62	£ 2,500,000	£ 1,550,000			0.74	£ 2,500,000	£ 1,850,000
45		0.68	£ 2,500,000	£ 1,700,000			0.62	£ 2,500,000	£ 1,550,000
46		0.60	£ 2,500,000	£ 1,500,000			0.64	£ 2,500,000	£ 1,600,000
47		0.70	£ 2,500,000	£ 1,750,000			0.68	£ 2,500,000	£ 1,700,000
48		0.74	£ 2,500,000	£ 1,850,000			0.60	£ 2,500,000	£ 1,500,000
49		0.72	£ 2,500,000	£ 1,800,000			0.70	£ 2,500,000	£ 1,750,000
50		0.76	£ 2,500,000	£ 1,900,000			0.74	£ 2,500,000	£ 1,850,000
51		0.70	£ 2,500,000	£ 1,750,000			0.76	£ 2,500,000	£ 1,900,000
52		0.66	£ 2,500,000	£ 1,650,000			0.66	£ 2,500,000	£ 1,650,000
53		0.74	£ 2,500,000	£ 1,850,000			0.70	£ 2,500,000	£ 1,750,000
54		0.88	£ 750,000	£ 660,000			0.74	£ 2,500,000	£ 1,850,000
55		0.72	£ 750,000	£ 540,000			0.88	£ 750,000	£ 660,000
56		0.80	£ 750,000	£ 600,000			0.72	£ 750,000	£ 540,000
57		0.48	£ 2,500,000	£ 1,200,000			0.80	£ 750,000	£ 600,000
58		0.66	£ 750,000	£ 495,000			0.52	£ 2,500,000	£ 1,300,000
59		0.80	£ 750,000	£ 600,000			0.76	£ 2,500,000	£ 1,900,000
60		0.60	£ 750,000	£ 450,000			0.80	£ 750,000	£ 600,000
61		0.76	£ 750,000	£ 570,000			0.60	£ 750,000	£ 450,000
62		0.76	£ 750,000	£ 570,000			0.76	£ 750,000	£ 570,000
63		0.94	£ 300,000	£ 282,000			0.76	£ 750,000	£ 570,000
64		0.98	£ 300,000	£ 294,000			0.94	£ 300,000	£ 282,000
65		0.54	£ 2,500,000	£ 1,350,000			0.98	£ 300,000	£ 294,000
66		0.56	£ 2,500,000	£ 1,400,000			0.54	£ 2,500,000	£ 1,350,000
67		0.88	£ 300,000	£ 264,000			0.56	£ 2,500,000	£ 1,400,000
68		0.52	£ 2,500,000	£ 1,300,000			0.88	£ 300,000	£ 264,000
69		0.20	£ 2,500,000	£ 500,000			0.52	£ 2,500,000	£ 1,300,000

	A	B	C	D	E	F	G	H	I
70		0.32	£ 2,500,000	£ 800,000			0.20	£ 2,500,000	£ 500,000
71		0.52	£ 2,500,000	£ 1,300,000			0.32	£ 2,500,000	£ 800,000
72		0.72	£ 300,000	£ 216,000			0.52	£ 2,500,000	£ 1,300,000
73		0.40	£ 750,000	£ 300,000			0.72	£ 300,000	£ 216,000
74		0.50	£ 750,000	£ 375,000			0.44	£ 750,000	£ 330,000
75		0.42	£ 750,000	£ 315,000			0.40	£ 750,000	£ 300,000
76		0.40	£ 750,000	£ 300,000			0.50	£ 750,000	£ 375,000
77		0.50	£ 750,000	£ 375,000			0.42	£ 750,000	£ 315,000
78		0.48	£ 750,000	£ 360,000			0.40	£ 750,000	£ 300,000
79		0.58	£ 750,000	£ 435,000			0.50	£ 750,000	£ 375,000
80		0.60	£ 300,000	£ 180,000			0.48	£ 750,000	£ 360,000
81		0.64	£ 300,000	£ 192,000			0.58	£ 750,000	£ 435,000
82		0.72	£ 300,000	£ 216,000			0.44	£ 300,000	£ 132,000
83		0.58	£ 300,000	£ 174,000			0.64	£ 300,000	£ 192,000
84		0.24	£ 750,000	£ 180,000			0.72	£ 300,000	£ 216,000
85		0.56	£ 750,000	£ 420,000			0.64	£ 300,000	£ 192,000
86		0.22	£ 2,500,000	£ 550,000			0.56	£ 300,000	£ 174,000
87		0.54	£ 300,000	£ 162,000			0.24	£ 750,000	£ 180,000
88		0.56	£ 300,000	£ 168,000			0.58	£ 300,000	£ 174,000
89		0.56	£ 300,000	£ 168,000			0.22	£ 2,500,000	£ 550,000
90		0.56	£ 300,000	£ 168,000			0.48	£ 300,000	£ 144,000
91		0.56	£ 300,000	£ 168,000			0.56	£ 300,000	£ 168,000
92		0.68	£ 62,500	£ 42,500			0.56	£ 300,000	£ 168,000
93		0.46	£ 62,500	£ 28,750			0.56	£ 300,000	£ 168,000
94		0.24	£ 300,000	£ 72,000			0.68	£ 62,500	£ 42,500
95		0.36	£ 300,000	£ 108,000			0.36	£ 300,000	£ 108,000
96		0.30	£ 300,000	£ 90,000			0.30	£ 300,000	£ 90,000
97		0.20	£ 750,000	£ 150,000			0.20	£ 750,000	£ 150,000
98									
99				£ 62,838,250					£ 66,106,500

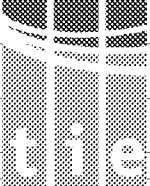


The image shows a detailed technical drawing of a wall assembly, presented as a symmetrical cross-section. The drawing is divided into two main vertical sections, labeled 'LWS 1' on the left and 'LWS 2' on the right. Each section depicts multiple layers of construction materials, including insulation, structural panels, and finishing layers. The drawing uses various hatching patterns (dots, lines, and cross-hatching) to distinguish between different materials. Numerous small text labels and dimensions are scattered throughout the drawing, providing specific technical information for each component. The overall layout is precise and follows standard architectural drawing conventions for wall sections.

The image shows a small, dense grid table with multiple columns and rows. The table is oriented vertically on the page. It appears to be a data table or a small spreadsheet with a header row and several data rows. The content is too small to read, but it consists of a grid of cells, some of which may contain text or numerical values.

NO.	DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL PRICE	NO.	DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL PRICE
1	CONCRETE					1	CONCRETE				
2	FORMWORK					2	FORMWORK				
3	REINFORCEMENT					3	REINFORCEMENT				
4	PAINT					4	PAINT				
5	ROOFING					5	ROOFING				
6	MECHANICAL					6	MECHANICAL				
7	ELECTRICAL					7	ELECTRICAL				
8	PLUMBING					8	PLUMBING				
9	FINISHES					9	FINISHES				
10	LANDSCAPE					10	LANDSCAPE				
11	UTILITIES					11	UTILITIES				
12	FOUNDATION					12	FOUNDATION				
13	STRUCTURE					13	STRUCTURE				
14	ROOF					14	ROOF				
15	WALLS					15	WALLS				
16	FLOORS					16	FLOORS				
17	CEILING					17	CEILING				
18	MECHANICAL					18	MECHANICAL				
19	ELECTRICAL					19	ELECTRICAL				
20	PLUMBING					20	PLUMBING				
21	FINISHES					21	FINISHES				
22	LANDSCAPE					22	LANDSCAPE				
23	UTILITIES					23	UTILITIES				
24	FOUNDATION					24	FOUNDATION				
25	STRUCTURE					25	STRUCTURE				
26	ROOF					26	ROOF				
27	WALLS					27	WALLS				
28	FLOORS					28	FLOORS				
29	CEILING					29	CEILING				
30	MECHANICAL					30	MECHANICAL				
31	ELECTRICAL					31	ELECTRICAL				
32	PLUMBING					32	PLUMBING				
33	FINISHES					33	FINISHES				
34	LANDSCAPE					34	LANDSCAPE				
35	UTILITIES					35	UTILITIES				
36	FOUNDATION					36	FOUNDATION				
37	STRUCTURE					37	STRUCTURE				
38	ROOF					38	ROOF				
39	WALLS					39	WALLS				
40	FLOORS					40	FLOORS				
41	CEILING					41	CEILING				
42	MECHANICAL					42	MECHANICAL				
43	ELECTRICAL					43	ELECTRICAL				
44	PLUMBING					44	PLUMBING				
45	FINISHES					45	FINISHES				
46	LANDSCAPE					46	LANDSCAPE				
47	UTILITIES					47	UTILITIES				
48	FOUNDATION					48	FOUNDATION				
49	STRUCTURE					49	STRUCTURE				
50	ROOF					50	ROOF				
51	WALLS					51	WALLS				
52	FLOORS					52	FLOORS				
53	CEILING					53	CEILING				
54	MECHANICAL					54	MECHANICAL				
55	ELECTRICAL					55	ELECTRICAL				
56	PLUMBING					56	PLUMBING				
57	FINISHES					57	FINISHES				
58	LANDSCAPE					58	LANDSCAPE				
59	UTILITIES					59	UTILITIES				
60	FOUNDATION					60	FOUNDATION				
61	STRUCTURE					61	STRUCTURE				
62	ROOF					62	ROOF				
63	WALLS					63	WALLS				
64	FLOORS					64	FLOORS				
65	CEILING					65	CEILING				
66	MECHANICAL					66	MECHANICAL				
67	ELECTRICAL					67	ELECTRICAL				
68	PLUMBING					68	PLUMBING				
69	FINISHES					69	FINISHES				
70	LANDSCAPE					70	LANDSCAPE				
71	UTILITIES					71	UTILITIES				
72	FOUNDATION					72	FOUNDATION				
73	STRUCTURE					73	STRUCTURE				
74	ROOF					74	ROOF				
75	WALLS					75	WALLS				
76	FLOORS					76	FLOORS				
77	CEILING					77	CEILING				
78	MECHANICAL					78	MECHANICAL				
79	ELECTRICAL					79	ELECTRICAL				
80	PLUMBING					80	PLUMBING				
81	FINISHES					81	FINISHES				
82	LANDSCAPE					82	LANDSCAPE				
83	UTILITIES					83	UTILITIES				
84	FOUNDATION					84	FOUNDATION				
85	STRUCTURE					85	STRUCTURE				
86	ROOF					86	ROOF				
87	WALLS					87	WALLS				
88	FLOORS					88	FLOORS				
89	CEILING					89	CEILING				
90	MECHANICAL					90	MECHANICAL				
91	ELECTRICAL					91	ELECTRICAL				
92	PLUMBING					92	PLUMBING				
93	FINISHES					93	FINISHES				
94	LANDSCAPE					94	LANDSCAPE				
95	UTILITIES					95	UTILITIES				
96	FOUNDATION					96	FOUNDATION				
97	STRUCTURE					97	STRUCTURE				
98	ROOF					98	ROOF				
99	WALLS					99	WALLS				
100	FLOORS					100	FLOORS				

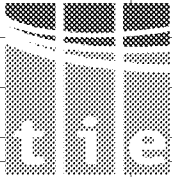
A small, dense grid or table with many rows and columns, possibly a data table or a technical drawing grid. The grid is composed of many small cells, some of which contain faint, illegible text or symbols. The overall appearance is that of a highly detailed and complex data structure.

	A	B	C
1	<b>tie Limited</b>		
2	<b>Line 1 and 2 Tram Schemes</b>		
3	<b>Project Risk Register</b>		
4			
5	<b>RESPONSIBILITIES</b>		
6			
7	The responsibilities for ensuring that the actions identified to mitigate the risk exposure have been identified in the risk register, and detailed as follows.		
8			
9	<b>Actionee</b>	<b>Company/Group</b>	<b>Person Responsible</b>
10	tie (TRO)	Traffic Regulation Order Group	<b>Ann Faulds (Dundas &amp; Wilson)</b>
11	tie (PRO)	Procurement Group	<b>Ian Kendall</b>
12	tie (PR)	PR & Communication Group	<b>Lesley Clark (Weber Shandwick)</b>
13	tie (PMs)	tie Project Managers	<b>Kevin Murray (Line 1) &amp; Geoff Duke (Line 2)</b>
14	tie (PD)	tie Projects Director	<b>Alex Macaulay</b>
15	tie (PAL)	Property and Land Group	<b>Matthew Edgar (Colliers CRE)</b>
16	tie (PAE)	Planning and Environment Group	<b>Ray McMaster (Dundas &amp; Wilson)</b>
17	tie (OME)	Objection Management and Evidence Group	<b>Trudi Craggs (Dundas &amp; Wilson)</b>
18	tie (MAD)	Modelling and Demand Group	<b>Jeff Knight</b>
19	tie (FD)	tie Financial Director	<b>Graeme Bissett</b>
20	tie (CFM)	tie Corporate Finance Manager	<b>Pat Diamond</b>
21	tie (CEO/Chair)	tie Chief Executive/Chairman	<b>Michael Howell</b>
22	TET	Transdev Edinburgh Trams	<b>Jim Harries</b>
23	MM	Mott MacDonald	<b>Gary Turner</b>
24	FM	Faber Maunsell	<b>Doug Blenkey</b>
25	DLA	DLA	<b>Andrew Fitchie</b>
26			
27	For Distribution Purposes it is noted that MM/FM request the additional distribution, as follows.		
28			
29	<i>Andrew Oldfield, MM Project Manager (line 1)</i>		
30	<i>Gavin Murray, FM Project Manager (line2)</i>		
31	<i>Michael Lax, FM Project Manager (line 3)</i>		





	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB																				
83		Completeness of Contract	Low Containment for Design	Peer Containment Capabilities Government Capabilities	Design & Claims Occurred	Information Management	Other Procurement Areas	Design Complexity	Design Complexity	Design Complexity	Performance Against	Other Project Specific Areas	Performance of the Business Unit	Large Numbers of Stakeholders	Funding or Liability	Project Management Tools	Peer Project Intelligence	Other Client Specific Areas	Public Relations	Site Characteristics	Permits, Consents & Approvals	Other Environmental Areas	Political	Financial	Legislation & Regulatory	Technology	Other External Influences																					
84		Works Duration	3	16	21						16	22	18	10	6	14	7	8	10																													
85		CAPEX																																														
86		It is noted that these figures represent percentages of the Upper Bound Optimism Bias Scores																																														
87		<b>Step 12: Determine the Mitigation Factor per Risk</b>																																														
88		Determine the Mitigation Factor for each of risks identified in the Risk Register																																														
89		Mitigation Factor	Description																																													
90		0.0	Risks are not mitigated																																													
91		0.0 to 1.0	Partial mitigation of risks																																													
92		1.0	All risks are fully mitigated																																													
93		The Mitigation Factor should be reported for each risk identified by the Persons Responsible for each of the organisations and groups who are responsible for mitigating each risk as 0.0, 0.2, 0.4, 0.6, 0.8 or 1.0. The greater the mitigation factor the less the overall Optimism Bias.																																														
94		<b>Step 13: Review of Evidence</b>																																														
95		A review of the evidence to justify the advised Mitigation Factor is to be carried out to independently verify proposed reductions.																																														
96		It is proposed that the Risk Manager carries out this review with support from the Project Managers.																																														
97		<b>Step 14: Determine the Mitigation Factor per Risk Area</b>																																														
98		The Mitigation Factor for each area contributing to Optimism Bias shall be determined by the Risk Manager for Works Duration and CAPEX.																																														
99		This will be calculated as an average value of the individual Mitigation Factors for each Project Risk Area.																																														
100		<b>Step 15: Determine the Optimism Bias</b>																																														
101		The above published indicative Upper Bound Figures for %Contribution of Optimism Bias shall be modified by the Mitigation Factor per Risk Area (see example)																																														
102			PROC.										PROJ. SPECIFIC					CLIENT SPECIFIC					ENV.		EXT. INFL.																							
103			Completeness of Contract	Low Containment for Design	Peer Containment Capabilities Government Capabilities	Design & Claims Occurred	Information Management	Other Procurement Areas	Design Complexity	Design Complexity	Design Complexity	Performance Against	Other Project Specific Areas	Performance of the Business Unit	Large Numbers of Stakeholders	Funding or Liability	Project Management Tools	Peer Project Intelligence	Other Client Specific Areas	Public Relations	Site Characteristics	Permits, Consents & Approvals	Other Environmental Areas	Political	Financial	Legislation & Regulatory	Technology	Other External Influences																				
104		Works Duration	16	3	21							16	22	18	10	6	14	7	8	10																												
105		Average Mitigation Factor	0.4									0.4																																				
106		Reduction in Optimism Bias	6.4									10.4																																				
107		The above mitigation factors and the following calculations are for illustrative purposes only.																																														
108		From the above example, it can be seen that approximately 40% (Sum of the Reduction in optimism bias) has been managed. This leaves approximately 60% of the potential upper bound optimism bias on Works Duration i.e. 12% Optimism Bias to be considered.																																														
109		If the works duration was 30months, then there is an upper bound Works Duration Optimism Bias of 6 months (20%). The above example illustrates that this would reduce to just over 3.5 months (12%) after implementing risk mitigation strategies to achieve the above Mitigation Factors.																																														
110		<b>Step 16: Lower Bound Check</b>																																														
111		A check that the CAPEX Programme impacts have not been reduced below the lower bound values as resorted above is to be carried out by the Risk Manager.																																														
112		<b>Step 17: Final Estimated Optimism Bias with Risk Management</b>																																														
113		Combine the cost of risk management and anticipated Optimism Bias on CAPEX.																																														
114		<b>Step 18: Check CAPEX/Programme Risk Allowance</b>																																														
115		A check on the anticipated risk potential from the financial and programme gradings shall be carried out as a check.																																														
116		<b>Step 19: Decision to Proceed</b>																																														
117		A review of the output shall be undertaken by the Projects Director and a decision made whether to proceed or instruct further mitigation.																																														
118		<b>Step 20: Financial Model</b>																																														
119		The CAPEX including Optimism Bias and Risk Management shall be considered in the Financial Model.																																														
120		The application of O&B to the Financial Model is to be reviewed relative to Scottish Executive guidelines and requirements. O1 to develop paper on how the Optimism Bias is to be taken forward. O2 to arrange meeting with SE																																														

	A	B	C	D	E	F
1	<b>tie Limited</b>					
2	<b>Line 1 and 2 Tram Schemes</b>					
3	<b>Project Risk Register</b>					
4						
5	<b>DEFINITIONS</b>					
6	The significance of each risk will be classified by means of a 5-point AS/NZS system for combining 'impact' and 'likelihood' aspects of each risk in order to prioritise actions.					
7						
8						
9	The following financial and programme tolerances are proposed.					
10	<b>Level</b>	<b>Impact</b>	<b>CAPEX (£)</b>	<b>OPEX/ Life-cycle/ Revenue (£ per annum)</b>	<b>Programme</b>	
11	1	Insignificant	Up to £25k	Up to £25k	Up to 1 week	
12	2	Minor	>£25k to £100k	>£25k to £100k	>1 week to 2 weeks	
13	3	Moderate	>£100k to £500k	>£100k to £500k	>2 weeks to 1 month	
14	4	Significant	>£500k to £1m	>£500k to £1m	>1 month to 3 months	
15	5	Major	>£1m	>£1m	>3 months	
16						
17	The following range of likelihoods are proposed					
18	<b>Level</b>	<b>Likelihood</b>				
19	1	Remote				
20	2	Unusual				
21	3	Possible				
22	4	Probable				
23	5	Expected				
24						
25	The likelihood of risks and impacts can be combined in a 2-dimensional table as follows					
26						
27	<b>Likelihood/ Impact</b>	<b>Insignificant</b>	<b>Minor</b>	<b>Moderate</b>	<b>Significant</b>	<b>Major</b>
28	Remote	1	2	3	4	5
29	Unusual	2	4	6	8	10
30	Possible	3	6	9	12	15
31	Probable	4	8	12	16	20
32	Expected	5	10	15	20	25
33						
34	The following significance of risk has been adopted.					
35						
36	<b>Significance</b>	<b>Range</b>	<b>Colour</b>			
37	Negligible Risk	>=0 <4	WHITE			
38	Low Risk	>=4 <8	WHITE			

	A	B	C	D	E	F
39	Medium Risk	>=8 <12	ORANGE			
40	High Risk	>=12 <16	ORANGE			
41	Very High Risk	>=16				
42						
43						
44	<b>Mitigation Factor</b>	<b>Description</b>				
45						
46	0.0	Risks are not mitigated				
47	0.0 to 1.0	Partial mitigation of risks				
48	1.0	All risks are fully mitigated				
49						
50						
51						
52						

- Risk Type**
- 1 Generic TIE Strategic Risk
  - 2 Generic TIE Project Risk
  - 3 Generic Tram Project Risk
  - 4 Specific Tram Project Risk