

Project Title: HPE98494A CIF Scheme Teignbridge - Newton Abbot Infrastructure Package
 Project Manager: Tim Obee
 Version: 08/05/2009

Very High	VH	> 75%	> £6M	Scoring
High	H	50% - 75%	£3M - £6M	20+
Medium	M	20% - 50%	£1M - £3M	>9 - <20
Low	L	5% - 20%	£500k - £1M	<9
Very Low	VL	0% - 5%	£0k - £500k	

General Scheme Risks

ID	Title	Description	Cause	Effect	Risk Owner	Category	Current Probability	Current Impact	Current Score	Mitigation Description	Mitigation Owner	Deadline	% Complete	Mitigated Probability	Mitigated Impact	Mitigated Score	Delay Risk	Defer Risk	Status	Date Reviewed
R1	Project Management	Client project resources	Inadequate resource or change in key staff	Scheme delay	DCC	Organisational	L	L	6	Key staff succession plan.	DCC			VL	L	2	Y		Open	12/11/2008
R2	Project Management	Consultant process and design resources.	Inadequate resource	Scheme delay	PB	Organisational	L	L	6	Internal priority scheme. Produce resourced programme. Employ Agency staff for work peaks	PB			VL	L	2	Y		Open	12/11/2008
R3	Project Management	Type of procurement contract selected for construction	Inappropriate form of contract selected for construction	Delay, Increased Costs	PB	Technical, Financial	L	M	9	Examine procurement options for project and select on basis of appropriateness for scheme and risk.	PB			VL	L	2	Y		Open	12/11/2008
R4	Project Management	Funding / Developer Contributions	Delay in funding / developer contributions agreements	Scheme delay	DCC	Financial	M	H	20	Early progression of developer / grant agreement.	DCC			L	H	12		Y	Open	12/11/2008
R5	Project Management	Stakeholders	Withdrawal of support or additional requirements	Scheme deferment or delay, increased cost	DCC	Political	VL	M	3	Maintain communication and consultation routes	DCC			VL	L	2	Y		Open	12/11/2008
R6	Project Management	Legislation	Changes in National legislation	Scheme delay, increased cost	DCC	Strategic	L	L	6		DCC			L	L	6	Y		Open	12/11/2008
R7	Project Management	Protestors	Protestor direct action	Scheme delay	DCC	Political	VL	VL	1	Undertake consultation with public, stakeholders and interested parties throughout process.	DCC			VL	VL	1	Y		Open	12/11/2008
R9	Design	Scheme layout	Stage 2 safety audit changes	Scheme delay, increased cost	DCC	Technical	M	L	10	Undertake stage 2 audit prior to tender	DCC			L	L	6	Y		Open	12/11/2008
R10	Design	Scheme layout	Changes in design standards	Scheme delay, increased cost	DCC	Technical	VL	L	2	Monitor HA website for new publications	DCC			VL	L	1	Y		Open	12/11/2008
R11	Estimates	Quantities	Errors and undermeasures	Increased cost	PB	Financial	L	M	9	Design and measurements to be independently checked	PB			VL	M	3	Y		Open	12/11/2008
R12	Estimates	Inflation	Actual inflation higher than estimate assumption	Increased cost	DCC	Financial	M	L	10	Monitor Government websites for updated information	DCC			L	L	6	Y		Open	12/11/2008
R13	Estimates	Legislation	Tax changes (landfill, aggregate)	Increased cost	DCC	Strategic	L	L	6		DCC			L	L	6			Open	12/11/2008
R14	Construction	Weather	Exceptional weather	Construction delay, increased cost	DCC	Technical	M	VL	5	Adjust start date to avoid likely periods of inclement weather	DCC			VL	VL	1	Y		Open	12/11/2008
R15	Construction	Ground conditions	Unforeseen soil conditions	Construction delay, increased cost	DCC	Technical	L	M	9	Undertake / Review Ground Investigation	DCC			L	L	6	Y		Open	12/11/2008
R16	Construction	Ground conditions	Contaminated land	Construction delay, increased cost	DCC	Environmental	L	L	6	Consult contaminated land register	DCC			VL	L	2	Y		Open	12/11/2008
R17	Construction	Topographical survey	Inaccurate detail on plans	Construction delay, increased cost	DCC	Technical	L	L	6	Site check at tie in locations	DCC			VL	L	2	Y		Open	12/11/2008
R18	Construction	Traffic management	Restrictions on traffic management	Construction delay, increased cost	DCC	Technical	M	L	10	Check with DCC TMU and HA prior to contract award	DCC			VL	L	2	Y		Open	12/11/2008
R19	Construction	Environmental	Japanese Knotweed	Construction delay, increased cost	DCC	Environmental	L	M	9	Re-survey prior to contract award	DCC			VL	M	3	Y		Open	12/11/2008
R20	Construction	Environmental	Foot and Mouth disease	Construction delay, increased cost	DCC	Strategic	L	L	6		DCC			L	L	6	Y		Open	12/11/2008
R21	Construction	Environmental	Discovery of protected species	Construction delay, increased cost	DCC	Environmental	L	M	9	Review environmental surveys and undertake additional surveys if required. Provide mitigation measures within scheme, if required. Further ecologist check prior to tender acceptance.	DCC			VL	M	3	Y		Open	12/11/2008
R22	Construction	Environmental	Extension of nesting season	Construction delay, increased cost	DCC	Environmental	L	VL	3	Undertake site clearance in winter.	DCC			VL	VL	1	Y		Open	12/11/2008
R23	Construction	Archaeology	Discovery of archaeological artefacts	Construction delay, increased cost	DCC	Environmental	VL	L	2	Undertake archaeological study in site area.	DCC			VL	L	2	Y		Open	12/11/2008
R24	Construction	Health and Safety	Stage 3 safety audit changes	Increased cost	DCC	Technical	M	VL	5	Interim audits during construction to be arranged.	DCC			L	VL	3	Y		Open	12/11/2008
R25	Construction	Health and Safety	Change in legislation	Construction delay, increased cost	DCC	Strategic	VL	VL	1		DCC			VL	VL	1	Y		Open	12/11/2008
R26	Construction	Contractor	Contractor goes into receivership	Construction delay, increased cost	DCC	Financial	M	M	15	Financial checks prior to tender acceptance	DCC			L	M	9	Y		Open	12/11/2008
R27	Construction	Noise levels	Excess noise from construction	Construction delay	DCC	Technical	VL	VL	1	Restrictions put into contract after checks with EHO	DCC			VL	VL	1	Y		Open	12/11/2008

Specific Risks for Work Package 1 Broadway Road to Greenhill Way Link Road

ID	Title	Description	Cause	Effect	Risk Owner	Category	Current Probability	Current Impact	Current Score	Mitigation Description	Mitigation Owner	Deadline	% Complete	Mitigated Probability	Mitigated Impact	Mitigated Score	Delay Risk	Defer Risk	Status	Date Reviewed
WP1-R1	Planning Authority Approval	Additional information required by Highway / Planning Authority for approval	Environmental Impact Assessment has already been undertaken for this work package as part of the East Golds to New Cross Masterplan. Additional Information may be required, for example additional ecological surveys.	Scheme delay	DCC	Technical, Legal & Regulatory	H	M	21	Liaise with Highway / Planning Authority and Statutory Consultees to determine further requirements. Provide additional information if required. Continue with consultation with public, stakeholders and interested parties throughout the process.	DCC			L	M	9	Y		Open	12/11/2008
WP1-R2	Highway Authority Approval	Highway Authority delay / refuses approval for works	Insufficient information provided.	Scheme delay	PB	Technical	L	M	9	Continue consultation with the Highway Authority to confirm technical details.	PB			VL	L	2	Y		Open	08/05/09
WP1-R3	Environment Agency Approval	Scheme approval required from Environment Agency	Environmental Impact Assessment has already been undertaken for this work package as part of the East Golds to New Cross Masterplan. Additional Information and requirements may be requested by the Environment Agency for this package as a stand alone scheme.	Scheme delay	DCC	Technical, Legal & Regulatory	H	M	21	Liaise with Environment Agency to determine requirements. Continual involvement throughout design process.	DCC			L	M	9	Y		Open	08/05/09
WP1-R4	Land required for scheme (including re-housing of residents of 17-20 Homers Crescent)	Unable to acquire sufficient landtake	Landowner unwilling to transfer land to DCC and exercise option on 17-20 Homers Crescent.	Scheme delay. Possible abandonment of works.	DCC	Technical, Financial	L	H	12	Landowner (Arnold White Estates Ltd - Developer for proposed Newcross & Rackerhayes residential / employment areas) has agreed in principle to transfer the land required to DCC at no cost. Early progression of developer / grant agreement.	DCC			VL	H	4		Y	Open	08/05/09
WP1-R5	Subsoil data for design and construction	Insufficient subsoil data for design or risk of unforeseen ground conditions.	Geotechnical Investigation did not option sufficient subsoil data obtained for embankment design.	Scheme delay	DCC	Technical	L	L	6	Review ground investigation factual report. Undertake further ground investigation if required..	DCC			VL	L	2	Y		Open	12/11/2008
WP1-R6	Environmental - Landscaping	Loss of existing trees / hedgerows. Further information may be requested.	Environmental Impact Assessment has already been undertaken for this work package as part of the East Golds to New Cross Masterplan. Additional Information may be required on loss of existing trees / hedgerows require and mitigation measures. Site clearance clashes with nesting season	Scheme delay	DCC	Technical	M	M	15	Liaise with Planning Authority and Statutory Consultees to determine further requirements. Provide additional information if required. Advance site clearance contract if required.	DCC			L	L	6	Y		Open	08/05/09
WP1-R7	Environmental - Loss of playing fields / open space	Loss of playing fields / open space.	Environmental Impact Assessment has already been undertaken for this work package as part of the East Golds to New Cross Masterplan. Additional information may be required on mitigation for loss of playing fields and open space.	Scheme delay	DCC	Technical	M	M	15	Planning consent granted for new playing fields / open space at Broadway and Jetty Marsh. Environmental Impact Assessment has been undertaken for this work package as part of the East Golds to New Cross Masterplan. Liaise with Planning Authority and Statutory Consultees to determine if additional information is required on mitigation for loss of playing fields and open space.	DCC			L	L	6	Y		Open	12/11/2008
WP1-R8	Environmental - Ecology	Ecological Impact of scheme. Further information may be requested.	Environmental Impact Assessment has already been undertaken for this work package as part of the East Golds to New Cross Masterplan. Additional ecological surveys may be requested, for example further bat surveys.	Scheme delay	DCC	Technical	M	M	15	Liaise with Planning Authority and Statutory Consultees to determine further requirements. Undertake additional surveys if required and further details on mitigating measures.	DCC			L	L	6	Y		Open	12/11/2008
WP1-R9	Environmental - Air Quality	Impact on Air Quality of scheme. Further information may be requested	Environmental Impact Assessment has already been undertaken for this work package as part of the East Golds to New Cross Masterplan. Additional information on the impact on air quality may be required.	Scheme delay	DCC	Technical	M	M	15	Liaise with Planning Authority and Statutory Consultees to determine further requirements. Provide additional information if required and further details on mitigating measures.	DCC			L	L	6	Y		Open	12/11/2008

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Low	L	5% - 20%	£500k - £1M	<9
Very Low	VL	0% - 5%	£0k - £500k	

Specific Risks for Work Package 2: Connect 2 Cycle Route 9

ID	Title	Description	Cause	Effect	Risk Owner	Category	Current Probability	Current Impact	Current Score	Mitigation Description	Mitigation Owner	Deadline	% Complete	Mitigated Probability	Mitigated Impact	Mitigated Score	Delay Risk	Defer Risk	Status	Date Reviewed
WP2-R1	Planning Authority Approval: Insufficient information submitted	Information required by Planning Authority to grant approval	Providing insufficient information could defer or hinder approval	Scheme delay	PB	Political, Technical, Legal & Regulatory	L	M	9	Liaise with Planning Authority and determine requirements.	PB			L	L	6	Y		Open	08/05/09
WP2-R2	Planning Authority Approval: Bridge Design	Approval refused due to bridge design / environmental (flooding) issues	Bridge design do not meet expectations of Highway / Planning Authority and Stakeholders. Environment Agency objects to bridge on flooding issues	Scheme delay. Possible abandonment of works	PB	Technical & Political	L	H	12	Liaise with Planning Authority, stakeholders and interested parties to determine concept and design of bridge. Continued liaison with Environment Agency regarding bridge design. Continual involvement throughout design process	PB			L	L	6	Y		Open	08/05/09
WP2-R3	Environment Agency / Network Rail Approval	Delay in scheme approval required from Environment Agency and Network Rail	Scheme design does not meet requirements of Environment Agency and Network Rail	Scheme delay	DCC	Technical, Legal & Regulatory	M	H	20	Liaise with Environment Agency / Network Rail to determine requirements. Continual involvement throughout design process.	DCC			L	H	12	Y		Open	08/05/09
WP2-R4	Land required for scheme from six parties	Unable to acquire sufficient landtake	Landownership unwilling to surrender / sell land	Scheme delay. Possible abandonment of works.	DCC	Technical, Financial	L	H	12	Negotiations with Landowners already undertaken, who have agreed in principle to sell the land required. Finalise land agreement at early stage	DCC			VL	H	4		Y	Open	08/05/09
WP2-R5	Buildability	Buildability issues with design of bridge and boardwork.	Bridge and boardwalk design does not take into account site restrictions and construction methodology	Scheme delay. Increased costs	PB	Technical	L	M	9	Develop construction methodology at early stage. Input from specialist contractor.	PB			VL	L	2	Y		Open	08/05/09
WP2-R6	Subsoil data for design and construction	Insufficient subsoil data for design or risk of unforeseen ground conditions.	Geotechnical Investigation did not option sufficient subsoil data obtained for bridge and boardwork design.	Scheme delay	PB	Technical	L	L	6	Ensure specification of ground investigation meets requirements for the bridge design and construction.	PB			VL	L	2	Y		Open	08/05/09
WP2-R7	Tender / Construction Cost	Bridge Tender / Construction Costs exceed CIF funding	Inaccurate cost estimate	Increased costs, Scheme delay	PB	Financial, Technical	L	M	9	Cost estimate to be independently checked	PB			L	L	6			Open	08/05/09
WP2-R8	Environmental	Site clearance of trees for scheme	Existing trees requires removal for scheme. Site clearance clashes with nesting season	Construction delay	DCC	Technical	M	M	15	Initial Environmental Appraisal undertaken and mitigation measures proposed. Scheme design to retain existing trees if possible. Advance site clearance contract if required.	DCC			VL	M	3	Y		Open	08/05/09
WP2-R9	Existing Utilities	Diversion / protection work required for existing utilities.	Unknown services located within site area	Increased costs, Construction delay	DCC	Technical, Financial	L	M	9	Prepare existing utilities plan and liaise with Utility Companies. Undertake trial holes.	DCC			L	L	6	Y		Open	08/05/09

Specific Risks for Work Package 3: Proposed Signalised Junction at Old Exeter Road / Chudleigh Road & Improvements to Old Exeter Road

ID	Title	Description	Cause	Effect	Risk Owner	Category	Current Probability	Current Impact	Current Score	Mitigation Description	Mitigation Owner	Deadline	% Complete	Mitigated Probability	Mitigated Impact	Mitigated Score	Delay Risk	Defer Risk	Status	Date Reviewed
WP3-R1	Highway Authority Approval	Highway Authority delay / refuses approval for works	Insufficient information provided. Insufficient consultation with Public, stakeholders and interested parties.	Scheme delay	PB	Technical	L	M	9	Continue consultation with the Highway Authority to confirm requirements and scope of works. Discussions have confirmed that a planning application is not required. Continue with consultation with public, stakeholders and interested parties throughout the process.	PB			VL	L	2	Y		Open	08/05/09
WP3-R2	Land required for scheme	Unable to acquire sufficient landtake	Landownership unwilling to transfer land	Scheme delay. Possible abandonment of works.	DCC	Technical, Financial	L	H	12	Landowner (Arnold White Estates Ltd - Developer for Newcross Residential) has agreed in principle to transfer the land required to DCC at no cost. Early progression of developer / grant agreement	DCC			VL	H	4		Y	Open	08/05/09
WP3-R3	Traffic Regulation Orders	Objections to Traffic Regulation Order.	Objections from Public, stakeholders and interested parties. Insufficient consultation with public and stakeholders	Scheme delay	DCC	Political, Technical, Legal & Regulatory	L	H	12	Undertake consultation with public, stakeholders and interested parties throughout process.	DCC			L	L	6	Y	Y	Open	12/11/2008
WP3-R4	Environmental	Loss of existing trees / hedgerows	Existing trees / hedgerows require removal for scheme. Site clearance clashes with nesting season	Construction delay	DCC	Technical	M	M	15	Environmental Impact Assessment for this work package already undertaken, (required for Newcross Residential Development) and mitigation measures proposed. Advance site clearance contract if required.	DCC			VL	M	3	Y		Open	08/05/09
WP3-R5	Existing Utilities	Diversion / protection work required for existing utilities.	Unknown services located with site area	Increased costs, Construction delay	DCC	Technical	L	M	9	Prepare existing utilities plan and liaise with Utility Companies. Undertake trial holes.	DCC			L	L	6	Y		Open	08/05/09

Specific Risks for Work Package 4: Strap Lane Junction Improvements

ID	Title	Description	Cause	Effect	Risk Owner	Category	Current Probability	Current Impact	Current Score	Mitigation Description	Mitigation Owner	Deadline	% Complete	Mitigated Probability	Mitigated Impact	Mitigated Score	Delay Risk	Defer Risk	Status	Date Reviewed
WP4-R1	Highway Authority Approval	Highway Authority delay / refuses approval for works	Insufficient information provided. Insufficient consultation with Public, stakeholders and interested parties.	Scheme delay	PB	Technical	L	M	9	Continue consultation with the Highway Authority to confirm requirements and scope of works. Discussions have confirmed that a planning application is not required. Continue with consultation with public, stakeholders and interested parties throughout the process.	PB			VL	L	2	Y		Open	08/05/09
WP4-R2	Traffic Regulation Orders	Objections to Traffic Regulation Order.	Objections from Public, stakeholders and interested parties. Insufficient consultation with public and stakeholders	Scheme delay	DCC	Political, Technical, Legal & Regulatory	L	H	12	Undertake consultation with public, stakeholders and interested parties throughout process.	DCC			L	L	6	Y	Y	Open	12/11/2008
WP4-R3	Existing Utilities	Diversion / protection work required for existing utilities.	Unknown services located with site area	Increased costs, Construction delay	DCC	Technical	L	M	9	Prepare existing utilities plan and liaise with Utility Companies. Undertake trial holes.	DCC			L	L	6	Y		Open	08/05/09

Specific Risks for Work Package 5: Southbound Bus Lane on Newton Road

ID	Title	Description	Cause	Effect	Risk Owner	Category	Current Probability	Current Impact	Current Score	Mitigation Description	Mitigation Owner	Deadline	% Complete	Mitigated Probability	Mitigated Impact	Mitigated Score	Delay Risk	Defer Risk	Status	Date Reviewed
WP5-R1	Highway Authority Approval	Highway Authority delay / refuses approval for works	Insufficient information provided. Insufficient consultation with Public, stakeholders and interested parties.	Scheme delay	PB	Technical	L	M	9	Continue consultation with the Highway Authority to confirm requirements and scope of works. Discussions have confirmed that a planning application is not required. Continue with consultation with public, stakeholders and interested parties throughout the process.	PB			VL	L	2	Y		Open	08/05/09
WP5-R2	Traffic Regulation Orders	Objections to Traffic Regulation Order for bus lane.	Objections from Public, stakeholders and interested parties. Insufficient consultation with public and stakeholders	Scheme delay	DCC	Political, Technical, Legal & Regulatory	L	H	12	Undertake consultation with public, stakeholders and interested parties throughout process.	DCC			L	L	6	Y	Y	Open	12/11/2008
WP5-R3	Existing Utilities	Diversion / protection work required for existing utilities.	Unknown services located with site area	Increased costs, Construction delay	DCC	Technical	L	M	9	Prepare existing utilities plan and liaise with Utility Companies. Undertake trial holes.	DCC			L	L	6	Y		Open	08/05/09