542/1340



# COSTS (Costs net of thirds-party contributions in brackets)

Total	Renewal	Backlog	Unallocated	Growth
\$6,016,623	0	\$2,587,148	0	\$3,429,475
(\$2,827,813)		(\$1,215,960)		(\$1,611,853)

## **COST ALLOCATION**

Primary Driver:	It was determined in deficiency analysis that the 2021 do-minimum road network will not provide sufficient capacity to accommodate the traffic demands for the next 20 years.
Secondary Driver:	
Capacity discussion:	
References:	

## **ATTRIBUTES**

Project Manager:	David Robinson, Stuart Woods
Work Planned:	Construction of a new two-lane arterial and intersection upgrades.
Location:	Hills Road – Innes Road to QE2 Drive
Special features being addressed:	Planning for future network capacity growth and providing a secondary corridor to the north of Christchurch.
A statement of the outcomes being addressed (LoS, Community Outcomes):	Increased Level of Service Increased network capacity
Options considered:	NROSS investigated many options for increasing capacity in north of Christchurch and developed six strategies for consultation.
Implications of not doing the project:	It was determined in deficiency analysis that the 2021 do-minimum road network will not provide sufficient capacity to accommodate the traffic demands for the next 20 years.
Linkages with other projects:	Part of NROSS project

Location of other relevant supporting information:	CCC website page link below summarises the NROSS project and links to the consultant's report considered by the City Council on 26 June 2003 and the City Council decision minutes of 26 June 2003.				
	http://www.ccc.govt.nz/northernroadingstudy/				

# SPM Project

Project Cost Allocati	on Summa	u <b>ry</b>			
Background					
Project No	542/1340		Activity	Transport and City Stree	ts
Project Name		Extension – Innes to	QE2 – NROSS		
Project Manager	David Robins	on, Stuart Woods			
Year first spend on the project	2008	Project Scope	Construction of a new two	-lane arterial and intersection up	ogrades.
Year of first cost allocation	2006	_			
Year of current cost allocation	2006	_			
Project cost	\$6,016,623	_			
Level of Service Definition	S				
Measure	Ratio	Primary Driver		iency analysis that the 2021 do- mmodate the traffic demands fo	minimum road network will not provide
Existing Capacity	100.0	_	sufficient capacity to acco	innodate the traffic demands to	i the next 20 years.
Existing Demand	143.0	_			
Total Capacity	200.0	Secondary Driver			
Design Capacity Year	2043	_			
End of Life Year	2058	_			
Backlog Capacity	43	Capacity Discussion			
Growth Capacity	57	_			
New Work Capacity	100	_			
% Backlog of New Work	43	References			
% Growth of New Work	57	_			
Localities:					
	locality	percentage comm	ent		
	Mairehau	100			
<b>Operations and Maintena</b>	100				
O&M Cost Share	\$0				
Renewal		-			
Stand Alone Renewal Cost	\$0	Renewal Scope	No renewal component		
Stand Alone Kenewal Cost	30	_ Kenewai Scope	No renewar component		
New Works					
Stand Alone New Works Cost	\$5,804,949	New Works Scope	Standard assumption for n	ew work component of Road No	etwork Improvement.
Renewal Cost Share	\$0				
New Work Cost Share	\$5,804,949	-			
Preliminary Cost Shares	-	-			
Backlog Cost Share	\$2,587,148				
Growth Cost Share	\$3,429,475	-			
Growth project		-			
Stand Alone Growth Cost	\$5,804,949	Growth Project Scope	Standard assumption for a	rowth component of Road Netw	ork Improvements.
Growth Cap	\$6,016,623				
oro nur cup	\$6,616,625	-			
Unallocated costs					
Unallocated Cost Share	\$0				
Project funding	<b>\$</b> 0	-			
External Funding	\$3,188,810				
-		_			
Summary of Cost Allocation	UII				
		%	Total Cost	Net Cost	
O&M	1		\$0	\$0	
Renewal		0%	\$0	\$0	
Backlog		43%	\$2,587,148	\$1,215,960	
Growth		57%	\$3,429,475	\$1,611,853	
Unallocated		0%	\$0	\$0	
External Funding Project Total	I	1000 L		\$3,188,810	
rioject rotal		100%	\$6,016,623	\$2,827,813	

### TRANSPORT PROJECT SCOPING BRIEF

Project Initiator:	Date:
NROSS Strategy	23/1/2007
Project Name:	WBS if created:
Hills Road Extension	542/1340

#### **Background Data:**

(include project source – study, strategy, public enquiry, resource consent, etc.) (include/append data needed for prioritisation process)

It is proposed to extend Hills Road from Innes Road to connect to QEII Drive as part of the NROSS Strategy and undertake a traffic mamagement upgrade of Hills Road between Aylesford St and Innes Road. Council has resolved to take the project to scheme assessment stage given the completion of the transport study (project feasibility)

The project includes a traffic management upgrade of Hills Road between Aylesford St and Akaroa St, probable signalisation of the Akaroa/Hills intersection, a traffic management upgrade of Hills Road between Akaroa St and Innes Road, probable widening of the Innes intersection, a new deviation of Hills Rd across the corner of Walter Park, traffic management upgrade of East Ellington Drive and it's extension to a new roundabout on QEII Drive.

The Hills Extension is part of the overall NROSS strategy package, however a formal B/C analysis may/will be required by LTNZ.

Funds are programmed in the first 3 year period to secure purchase of land between QEII Drive and the proposed termination point of East Ellington Drive to secure the route.

See the developer contributions file <u>http://www.ccc.govt.nz/LTCCP/2007-17/542-1340 Hills Road Extension (Innes-QE2).pdf</u> Note that the costs in the above file have been reworked

Date last reviewed: 10/4/2007

#### Issue, Problem or Deficiency to be addressed:

Transport strategy for northern Christchurch for the next 20-25 years.

Date last reviewed: 23/1/2007 Possible solutions/suggestions:

(attach conceptual sketches<sup>1</sup>, if appropriate)

Traffic management upgrade and extension of Hills Road.

Date last reviewed: 23/1/2007 **Proposed Budget Category:** Road Network Improvements Date last reviewed: 23/1/2007

Priority Rating (if relevant):

Needed to support urban growth in Belfast.

Date last reviewed: 23/1/2007

Strategy or Strategic Objective(s) that the project will satisfy:-NROSS Strategy

Date last reviewed: 23/1/2007

**Cost Estimate (include how this was derived and the level of accuracy and year of \$\$):** \$7,879,050, Very Rough Order Cost, Oct 2006. See electronic (S:\Budget preparation and monitoring\0708\Road Network Improvements VROCs.xls) Budget or hardcopy(as yet unpacked David Robinson files) developer contributions worksheets.

Date last reviewed: 23/1/2007 Note: Costs have been inflated for 2007/08 LTCCP. Proposed Funding Method (for unbudgeted projects):

Date last reviewed:

Project Received by Capital Programme Team:

<sup>&</sup>lt;sup>1</sup> This is not to be a scheme plan drawn up by City Solutions, but more a transport planners pencil sketch that may be used for City Solutions to provide a Very Rough Order Costing if required. Its only purpose is for future reference as to what was the basis of the initial cost estimate. The project team should develop the scheme design. S:\Transport Planning\Templates\Project Scoping Template\Project Scopes\2007\_2008\Road Network Improvements\Project Scope - Hills Rd Extension.doc

								HIL	IS EXT	TM T
			······································	File No:	Z1296700	Prepared by:	B Browne			
		) MWH		Date:	11.12.05	Checked by:	D Stevens		·····	
	L Estimate for:	Hills Rd			25/10/06	, David (	معتطئ			
	Estimate for.	QEII to Innes	Ypd		23/14/05					
		New Two Lane Carriage	wav			Rough O	rder Øapital	Costs		
								martin ang panga	Contingency	Total
	Item	Descripti	on	Unit	Length/m	Rate	Amo	unt 35, 833	\$ 47,1676	\$ 283,000
7	1	Preliminary and General		LS				00,000	\$ 20,000	\$120,000
	1.1	Establishment						/	· · · · ·	
	2	Road Construction					\$	750,000	\$ 150,000	\$ 900,000
	2.1	QEII/Hills Traffic Signals	Or K'bout	LS				,50,000		-\$-3,300,000-
	2.2	QEIL/Hills Rd link	Hs /Akana	Lک		· · · · · · · · · · · · · · · · · · ·	× *	0,000	60,000	360,000
	3	Miscellaneous		\$M/km	50	2.50		25.000	125,000	150,000
	2.2a	A AND NO. Park	7	sm'/km	140	2.50		\$50,000	70,000	420,000
	2.25 2.2c	Changing rooms, Kell	ys Rd etc	LS		0.25 /		00,000 50,000	20,000 130,000	220,000
	2.2.4	Changing rooms, Kell Traffic management	ypgrade-Shirly-GEI	\$M/km	2600	TOTAL /		600,000		
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		Land Purchase		LS	/		6,	200,000	-\$1,200,000- -\$120,000-	<del>-\$-7,9</del> 20,000
		Land legalisation		<u> </u>		TPOTAL				-\$-7,920,000 -\$-7,920,000
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		Professional Fees		<u></u>	/			108,000		
	5.2	D&PD	/	LS				180,000 198,000		
	5:3	MS&QA		<u>LS</u>		TOTAL		396,000		
	L			<u>.                                    </u>	/					
	1				V	TOTAL	<u>\$10;</u>	<del>596,000</del>	-\$-2,130,000-	+ 5 591 052
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				<del>2</del> 4 <del>,000-</del>	\$ <del>250.00</del>	<del>-\$ 6,000,000.0</del>	<del>0</del> 	1	1.2	1.ess \$9 1.ess \$9
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		Land cost - Tricogle - Watte	er Perk (Internal-tra		140m 1500m <sup>2</sup>	\$250 × 22m \$150 × 22m 1 \$100	215, 461, 250 625	000 000 600	55,000 92,400 50,000 125,000	Jaid
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Note: costs shown here have been reworked for Ellington Land and inflated for 2007/08 LTCCP: see spreadsheet 20061124 Draft 2007 10 Year Major Network Improvements & Safety & First Order Structural Renewal Programme.xls