

542/1487

Hoon Hay Road/Sparks Road Intersection



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

Total	Renewal	Backlog	Unallocated	Growth
\$384,746	\$76,950	\$132,352	0	\$175,444
(\$180,831)	(\$36,166)	(\$62,206)		(\$82,459)

COST ALLOCATION

Primary Driver:	Limited capacity means Level of Service will decrease
Secondary Driver:	Safety at existing roundabout
Capacity discussion:	
References:	

ATTRIBUTES

Project Manager:	tbc
Work Planned:	Remove existing roundabout and install traffic signals
Location:	
Special features being addressed:	
A statement of the outcomes being addressed (LoS, Community Outcomes):	Improved network efficiency and capacity Improved Level of Service Improved Safety
Options considered:	
Implications of not doing the project:	Limited capacity means Level of Service will decrease Continued safety concerns
Linkages with other projects:	
Location of other relevant supporting information:	

Project Cost Allocation Summary

Background

Project No	542/1487	Activity	Transport and City Streets
Project Name	Hoon Hay/Sparks Intersection		
Project Manager	tbc		
Year first spend on the project	2012	Project Scope	tbc
Year of first cost allocation	2006		
Year of current cost allocation	2006		
Project cost	\$384,746		

Level of Service Definitions

Measure	Ratio	Primary Driver	tbc
Existing Capacity	100.0		
Existing Demand	143.0		
Total Capacity	200.0	Secondary Driver	
Design Capacity Year	2038		
End of Life Year	2053		
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	comment
Hoon Hay	100	

Operations and Maintenance

O&M Cost Share	\$0
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Renewal

Stand Alone Renewal Cost	\$76,950	Renewal Scope	Standard assumption for renewal component of Road Network Improvements
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New Works

Stand Alone New Works Cost	\$384,746	New Works Scope	Standard assumption for new work component of Road Network Improvement.
Renewal Cost Share	\$76,950		
New Work Cost Share	\$384,746		

Preliminary Cost Shares

Backlog Cost Share	\$132,352
Growth Cost Share	\$175,444

Growth project

Stand Alone Growth Cost	\$384,746	Growth Project Scope	Standard assumption for growth component of Road Network Improvements.
Growth Cap	\$384,746		

Unallocated costs

Unallocated Cost Share	\$0
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Project funding

External Funding	\$203,915
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Summary of Cost Allocation

	%	Total Cost	Net Cost
O&M		\$0	\$0
Renewal	20%	\$76,950	\$36,166
Backlog	34.4%	\$132,352	\$62,206
Growth	45.6%	\$175,444	\$82,459
Unallocated	0%	\$0	\$0
External Funding			\$203,915
Project Total	100%	\$384,746	\$180,831

Note: costs shown here may have been inflated for 2007/08 LTCCP.

Project: Hoon Hay Sparks Signals - VROC 31/10/06						
Item Description	Unit	Length/m	Rate	Amount	Contingency	Total
1 Preliminary and General						
1.1 Establishment				\$ 25,000	\$ 5,000	\$ 30,000
2 Road Construction						
2.1	LS		1 \$ 250,000	\$ 250,000	\$ 50,000	\$ 300,000
2.2			0 \$ -	\$ -	\$ -	\$ -
2.3			0 \$ -	\$ -	\$ -	\$ -
2.4			0 \$ -	\$ -	\$ -	\$ -
2.5			0 \$ -	\$ -	\$ -	\$ -
2.6			0 \$ -	\$ -	\$ -	\$ -
2.7			0 \$ -	\$ -	\$ -	\$ -
2.8			0 \$ -	\$ -	\$ -	\$ -
2.9			0 \$ -	\$ -	\$ -	\$ -
			RC Subtotal	\$ 250,000	\$ 50,000	\$ 300,000
3 Miscellaneous						
3.1			0 \$ -	\$ -	\$ -	\$ -
3.2			0 \$ -	\$ -	\$ -	\$ -
			TOTAL	\$ 275,000	\$ 55,000	\$ 330,000
4 Land Purchase						
4.1	LS		0 \$ -	\$ -	\$ -	\$ -
4.2			0 \$ -	\$ -	\$ -	\$ -
4.3			0 \$ -	\$ -	\$ -	\$ -
4.4			0 \$ -	\$ -	\$ -	\$ -
4.5			0 \$ -	\$ -	\$ -	\$ -
5 Land Legalisation						
			TOTAL	\$ -	\$ -	\$ -
6 Professional Fees						
6.1 I&R				\$ 8,250	\$ 2,475	\$ 10,725
6.2 D&PD				\$ 13,750	\$ 2,749	\$ 16,499
6.3 MS&QA				\$ 8,250	\$ 1,650	\$ 9,900
			(D&PD + MS&QA)	\$ 22,000	\$ 4,399	\$ 26,399
			TOTAL	\$ 30,250	\$ 6,874	\$ 37,124
			TOTAL	\$ 305,250	\$ 61,874	\$ 367,124

Note: costs shown here may have been inflated for 2007/08 LTCCP.

10% road construction cost
 20% contingencies
 Assumes no land required - might be?
 10% of land cost
 2.5%, 0.75%, 3.25% of sum 1,2&3
 4.167%, 0.833%, 5.0% of sum 1,2&3
 2.5%, 0.50%, 3.0% of sum 1,2&3