

542/585

Linwood Ave/Dyers Road Signalisation



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

Total	Renewal	Backlog	Unallocated	Growth
\$59,594	\$11,616	\$20,630	0	\$27,347
(\$30,989)	(\$6,041)	(\$10,728)		(\$14,221)

COST ALLOCATION

Primary Driver:	More congestion over time.
Secondary Driver:	
Capacity discussion:	
References:	

ATTRIBUTES

Project Manager:	Chris Collins
Work Planned:	Removal of existing roundabout. Installation of median strips Installation of traffic signals Installation of additional turning lanes at upgraded intersection Replacement and new planting Realignment of existing utility waterway (Linwood Drain) Extension of existing culvert southwest of the intersection
Location:	Linwood Ave/Dyers Road Intersection
Special features being addressed:	Limited Access nature of road Level of Service – current roundabout often congested due to single approach lanes.

A statement of the outcomes being addressed (LoS, Community Outcomes):	Increased Level of Service Improve safety
Options considered:	
Implications of not doing the project:	More congestion over time.
Linkages with other projects:	
Location of other relevant supporting information:	CCC project file

Project Cost Allocation Summary

Background

Project No	542/585	Activity	Transport and City Streets
Project Name	Linwood Ave/Dyers Road Signalisation		
Project Manager	Chris Collins		
Year first spend on the project	2000	Project Scope	Removal of existing roundabout. Installation of median strips Installation of traffic signals Installation of additional turning lanes at upgraded intersection Replacement and new planting Realignment of existing utility waterway (Linwood Drain) Extension of existing culvert southwest of the intersection
Year of first cost allocation	2006		
Year of current cost allocation	2006		
Project cost	\$59,594		

Level of Service Definitions

Measure	Ratio	Primary Driver	More congestion over time.
Existing Capacity	100.0		
Existing Demand	143.0		
Total Capacity	200.0	Secondary Driver	
Design Capacity Year	2026		
End of Life Year	2041		
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
Linwood	100	

Operations and Maintenance

O&M Cost Share	\$0
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Renewal

Stand Alone Renewal Cost	\$11,616	Renewal Scope	Standard assumption for renewal component of Road Network Improvements
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New Works

Stand Alone New Works Cost	\$59,594	New Works Scope	Standard assumption for new work component of Road Network Improvement.
Renewal Cost Share	\$11,616		
New Work Cost Share	\$59,594		

Preliminary Cost Shares

Backlog Cost Share	\$20,630
Growth Cost Share	\$27,347

Growth project

Stand Alone Growth Cost	\$59,594	Growth Project Scope	Standard assumption for growth component of Road Network Improvements.
Growth Cap	\$59,594		

Unallocated costs

Unallocated Cost Share	\$0
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Project funding

External Funding	\$28,605
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Summary of Cost Allocation

	%	Total Cost	Net Cost
O&M		\$0	\$0
Renewal	19.5%	\$11,616	\$6,041
Backlog	34.6%	\$20,630	\$10,728
Growth	45.9%	\$27,347	\$14,221
Unallocated	0%	\$0	\$0
External Funding			\$28,605
Project Total	100%	\$59,594	\$30,989

Report on Non-Notified
Resource Consent Application

Consent Number:	RMA 20009380
Applicant:	Christchurch City Council, c/-City Solutions
Site address:	92F Linwood Avenue and Dyers Road Intersection
Legal Description:	Road Reserve and Reserve 59
Transitional District Plan zoning:	Residential 1
Proposed District Plan Classifications:	Limited Access Roads Major Arterial Roads
Type of Activity:	Non-Complying
Proposed City Plan zoning:	Special Purpose Road Zone and Living 1 Zone
Proposed City Plan Classifications:	Limited Access Roads Major Arterial Roads
Type of Activity:	Discretionary
Description of Application:	<p>To upgrade the Linwood Avenue and Dyers Road intersection and undertake works in and adjacent to an environmental asset and utility waterway. The proposed activity includes the following components:</p> <ul style="list-style-type: none">• The removal of existing amenity trees within the road reserve of Linwood Avenue and Dyers Road and within road to be closed located on the western side of Linwood Avenue and north of Dyers Road;• Replacement and new amenity planting of trees, shrubs and grasses within the road reserve, road to be closed and adjoining land;• Realignment of an existing utility waterway (Linwood Drain) located on the western side of Linwood Avenue and north of Dyers Road;• The extension of the existing culvert under Dyers Road immediately south-west of the Linwood Ave/Dyers Road intersection;• The upgrading of Linwood Avenue and Dyers Road including: the removal of an existing roundabout; the installation of median strips; erection and operation of traffic light controls; installation of additional turning lanes at upgraded intersection.
Reasons for Application:	<p>The above proposed development requires resource consent before proceeding because it fails to comply with the relevant minimum roadway widths, the minimum number of traffic lanes, the non-removal of trees in the road zone, and the undertaking of filling and excavation</p>