



## TRANSPORT

The Council is responsible for the management of Wellington's extensive transport infrastructure, and for planning for the city's future transport needs.

Our transport activities include looking after the city's roads, accessways, footpaths, cycleways and parking facilities, as well as traffic signs and signals, street lighting and pedestrian crossings. We also manage parking areas and have an ongoing programme of safety promotion.

We recognise that an efficient transport system is a critical part of the city's infrastructure, and are committed to working with other local authorities and government agencies to meet Wellington's regional transport needs. To this end, our Regional and Urban Development Strategies will complement and expand on our Transport Strategy and help promote a regional view to our transport needs.

### **Working together**

We have a number of key partners in the transport area with whom we work closely to

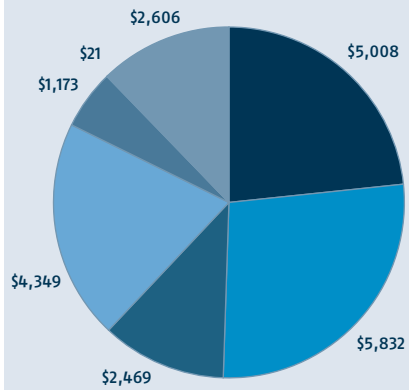
deliver on our objectives. In partnership with the Greater Wellington Regional Council, we provide public transport facilities, including bus shelters, the Lambton Interchange and "park and ride" facilities at suburban rail stations. Central government agencies such as Transit and Transfund work with the Council in delivering high-quality and safe roading projects to make the transport network more effective and efficient, and we have close partnerships with the Land Transport Safety Authority and the Police to promote safety initiatives on our roads.

## STRATEGY TREE – TRANSPORT



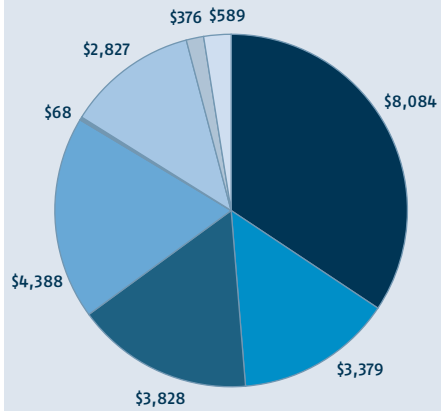
OUTCOME		ACTIVITY	OPERATING PROJECTS		CAPITAL PROJECTS		
8.1 Transport effectiveness	A well-planned and comprehensive transport network supports a compact and highly liveable city where people move about easily and safely.	8.1.1 Service provider – Vehicle network.	A357 C304 C441 C453 C481	Road maintenance, slips and storm cleanup Planned road maintenance Bridges and tunnels maintenance Vehicle network asset stewardship Road protection services	CX086 CX088 CX089 CX090 CX092 CX097 CX101 CX104 CX165 CX311 CX377 CX379 CX383 CX444	Bridge and tunnel renewals Thin asphalt road surface renewals Reseals renewals Preseal preparation renewals Shape and camber corrections Rural road improvements Service lane improvements Research and development upgrades Tunnel and bridge improvements Vehicle network new roads Roading capacity projects Tawa road improvement projects Area wide road maintenance Roading renewals and city centre upgrades	
		8.1.2 Service provider – Roads open space.	C006 C289	Open space vegetation management Street cleaning contract			
		8.1.3 Service provider – Corridor infrastructure (drainage/walls).	C315 C444 C445	Walls general maintenance Drains and walls asset stewardship Kerb and channel maintenance	CX087 CX093 CX098 CX253 CX350	Retaining wall renewals Sumps flood mitigation upgrades Road corridor sea wall renewal Kerb and channel renewal Wall and embankment improvements	
		8.1.4 Service provider – Pedestrian network.	C305 C307 C312 C365 C377 C448 C492	Footpath maintenance Street furniture and special surface Maintenance of Tawa shared driveways Street activity co-ordination Footpaths asset stewardship Pedestrian network maintenance Pedestrian network structures maintenance	CX091 CX094 CX099 CX108 CX109 CX482	Pedestrian network structures renewals Pedestrian network footpath renewals Footpath extensions Street furniture renewals Pedestrian network accessways Special pavement services	
		8.1.5 Service provider – Safety.	C026B C450 C451 C494 C575	Streetlight maintenance Road safety education and promotion School safety projects Fences and guardrails maintenance Safety asset stewardship	CX019 CX096 CX171 CX232 CX351 CX352 CX445	Accident reduction upgrades Safety street lighting renewal Minor safety projects Traffic calming projects Residential street lighting Fences and guardrails renewals SaferRoads project	
		8.1.6 Service provider – Cycleway network.	C493 C577	Cycleways maintenance Cycleway asset stewardship	CX112	Cycle network improvements	
		8.1.7 Service provider – Parking.	C290	Parking services and enforcement	CX102 CX319	Parking asset renewals Roadside parking improvements	
8.2 Transport accessibility	Transport options enable people to easily fulfil their work and lifestyle requirements.	8.2.1 Service provider – Passenger transport network.	C072A C550 C576	Passenger transport facilities Bus shelter contract income Passenger transport asset stewardship	CX135 CX431	Passenger transport network upgrades Bus shelter contract improvements	
8.3 Transport efficiency	Efficient transport contributes to the economic viability and growth of the city.	Several Council activities support this outcome.		A026 A153A C026C C452 P184 P249	Traffic signals system maintenance Traffic control asset stewardship Road marking maintenance Traffic signs maintenance City gateway infrastructure improvement Transport policy projects	CX095 CX353	Traffic and street signs renewals Traffic signal renewals
8.4 Transport sustainability	Transport solutions ensure the wise use of resources and cater for the long-term needs of the community.	8.4.1 Service provider – Network control and management.					

**TRANSPORT:  
NET OPERATIONAL SPENDING (\$'000)**



- Service provider - Vehicle network
- Service provider - Roads open space
- Service provider - Corridor infrastructure (drainage and walls)
- Service provider - Pedestrian network
- Service provider - Safety
- Service provider - Cycleway network
- Service provider - Network control and management

**TRANSPORT:  
CAPITAL SPENDING (\$'000)**



- Service provider - Vehicle network
- Service provider - Corridor infrastructure (drainage and walls)
- Service provider - Pedestrian network
- Service provider - Safety
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- Service provider - Parking
- Service provider - Passenger transport network
- Service provider - Network control and management

**What it costs**

These graphs outline what it costs to provide the activities in this key achievement area. The cost of providing each of the programmes in this area is outlined at the end of this chapter.

*Service provider - Parking returns a \$12,255 net income to the Council.  
Service provider - Passenger transport network returns a \$62 net income to the Council.*



## 8.1 OUTCOME: TRANSPORT EFFECTIVENESS

We aim for a well-planned and comprehensive transport network. This network should support a compact and highly liveable city where people can move about easily and safely.

In the next few years, we will continue with road safety improvements as part of a national strategy that aims to reduce the number of accidents by one-third.

### City outcome indicators

The number of fatal, serious and minor road crashes in Wellington.

The percentage of residents who think that the city's transport system allows easy access from the suburbs to the city.

### 8.1.1 ACTIVITY: VEHICLE NETWORK

The city needs a cost-effective, efficient road network that is maintained in good working order. This will keep traffic moving, reduce vehicle operating costs, save fuel and keep individual users safe.

The Council manages a network that includes 59 bridges, four tunnels, and more than 660km of urban and rural roads, as well as all related pavements and service lanes. The upkeep of these roads is a major task.

Each year, 55km of roads are resurfaced as they begin to crack and deform. We use different types of road surface to meet particular needs. Smooth asphalt is used through shopping centres and in areas where turning stresses on the road are high. Chipseal is used where the road structure is flexible and where there is no need for the other surfaces, which are four times as expensive.

### Activity performance measures

The percentage of travel that occurs on "smooth" roads within the Wellington City Council area. This is measured by the Smooth Travel Exposure Index (STE).

Target 2004/05: At least 65%.

### 8.1.2 ACTIVITY: ROADS OPEN SPACE

This refers to the Council's efforts to keep the roadside corridor attractive and safe. It includes the targeted control of listed pest plants and other weeds.

Residents are encouraged to assist with the maintenance and beautification of road reserves by adopting areas in their street and taking advantage of Council services such as selective vegetation removal and pruning, growth cutting on banks, free supply of plants to residents for planting on road reserve, weed spraying and noxious weed control.

This activity also covers cleaning city and residential streets and sumps, emptying rubbish bins in the central city and removing spills and litter.

### Activity performance measures

The percentage of residents who are satisfied with street cleaning in central Wellington.

Target 2004/05: 98%.

### 8.1.3 ACTIVITY: CORRIDOR INFRASTRUCTURE (DRAINAGE/WALLS)

As steward of the roads in a harbour city, the Council must maintain sea walls, as well as the walls on dry land that make up the "road corridor". Many of these walls around Wellington are more than 90 years old and need repairing often. They also need to be kept clear of graffiti – the Council aims to remove all graffiti from roadside walls within 48 hours of notification (offensive material is normally tackled within two hours).

This part of the budget also covers the drainage work carried out to protect the city's road network. The Council cleans and maintains 600 culverts and water tables, and a network of 1200km of kerb and channel (gutters).

#### Activity performance measures

The percentage of residents who agree that Wellington City Council roads are maintained to a good or very good standard.

Target 2004/05: 80%.

### 8.1.4 ACTIVITY: PEDESTRIAN NETWORK

Safe passage for pedestrians is a crucial aspect of the transport network. The Council maintains over 840km of footpaths, as well

as pedestrian subways, bridges, canopies, seats, bollards and fountains, all of which need regular maintenance and eventual renewal. This maintenance includes the removal of graffiti, which the Council aims to do within 48 hours of notification (or two hours for offensive material).

The Council has a long-term aim for all city roads to have a footpath on at least one side. The schedule for this footpath construction is prioritised according to local need – for example, roads with a school nearby take precedence. Each year, the Council also expects to rebuild two pedestrian accessways that provide useful paths to off-street housing and between streets.

This activity also includes the co-ordination of street events such as marches and parades, and the maintenance of shared driveways in Tawa (the continuation of a Tawa Borough Council programme).

#### Activity performance measures

The percentage of residents who feel that the pedestrian network allows easy, comfortable and safe movement on foot around the city.

Target 2004/05: 75%.

### 8.1.5 ACTIVITY: SAFETY

Road safety is a wider issue than just keeping roads and footpaths dry and clear. Lighting also has to be adequate, and barriers and handrails available where required to protect pedestrians.

The Council proposes to change the focus of its safety works from remedying accident blackspots one-by-one to addressing the safety of an area as a whole. This involves working with the community and other stakeholders to identify and prioritise actions to correct the worst safety issues. The national Road Safety Strategy 2010 targets improvements to Wellington's already low accident rate.

We are planning road safety improvements to coincide with other Council initiatives such as upgrades of suburban centres upgrades and carriageway maintenance works.

#### Activity performance measures

The percentage of Wellington street lights that meet the national standard. (The national standard for street lights is based on lights' level of brightness and coverage).

Target 2004/05: To have remedied 20% of substandard street lights.



### 8.1.6 ACTIVITY: CYCLEWAY NETWORK

As well as pedestrians, cyclists also need special facilities to allow their safe passage on the roads. The Council maintains 10km of cycleways in the city and suburbs – these require regular upkeep to ensure they have smooth surfaces, clear lane markings and signage, as well as cycle stands at appropriate parking points.

#### **Activity performance measures**

The percentage of users who are satisfied with the safety of cycleways and the maintenance of cycleways.

Target 2004/05: Safety 75%; maintenance 75%.

### 8.1.7 ACTIVITY: PARKING

The Council operates a stock of on-street parking spaces. Our aim is to have a regular turnover of these spaces. To achieve this, we enforce maximum parking times and use meters and pay-and-display machines. Income from on-street parking subsidises roading infrastructure projects.

On the fringes of the central city, the Council operates coupon parking zones and resident parking areas to balance the needs of residents, visitors, shoppers and commuters.

A full review of parking fees last occurred in 1998/99. We are proposing to increase the price of on-street parking and extending the boundaries of the city centre parking zone where higher prices are charged for on-street parking in the coming year. Details of the new prices and boundaries are on page 162.

#### **Activity performance measures**

The average number of cars that use any one short-term car park each day (ie the "turnover rate").

Target 2004/05: Weekdays 7.5; weekends 4.5.

## 8.2 OUTCOME: TRANSPORT ACCESSIBILITY

We want the city to have a range of transport options so people can easily fulfil their work and lifestyle requirements.

While many people still use their cars to travel into the city centre, and many feel there are barriers to them using public transport, the use of public transport is increasing, and more people are also walking, cycling and using scooters and skateboards to get into the city.

### City outcome indicators

The percentage of residents who think that there are barriers to using their preferred mode of transport.

The mode of transport used by residents of Wellington city and Wellington region to come into Wellington's central business district.

### 8.2.1 ACTIVITY: PASSENGER TRANSPORT NETWORK

Support for the public transport network around the city is a major commitment for the Council. The aim is to encourage greater use of a bus and rail system that improves traffic efficiency while reducing pollution.

The Council's active support of public transport includes the maintenance of signs, bus shelters, timetables, pedestrian shelters and "park and ride" areas (commuter car parks alongside bus and train stations leading to the central city).

The partnership with Adshel provides the Council with savings as shelters with advertising are provided and maintained at no cost to the Council.

### Activity performance measures

The percentage of residents who are satisfied with the reliability and frequency of public transport.

Target 2004/05: 85%.

## 8.3 OUTCOME: TRANSPORT EFFICIENCY

We aim for an efficient transport system that contributes to the city's economic viability and growth.

### City outcome indicators

The percentage of residents who think that the peak traffic volumes are acceptable.

The peak travel times from Johnsonville to the airport and the central city to the airport.

Cargo loaded and unloaded at Wellington Seaport and Airport.



## 8.4 OUTCOME: TRANSPORT SUSTAINABILITY

We want the city's transport solutions to ensure the wise use of resources and cater for the community's long-term needs.

### City outcome indicators

The total level of fuel used on roads in the Wellington City area.

The levels of carbon monoxide emissions at the intersection of Vivian and Victoria Streets.

### 8.4.1 ACTIVITY: NETWORK CONTROL AND MANAGEMENT

Traffic flow needs to be managed to increase the efficiency of the road network and minimise congestion at busy periods. The Council runs a control system based on 99 sets of traffic lights, 12 closed circuit television camera systems and a central traffic computer system. This system will be further enhanced by its integration with Transit NZ traffic management system on Ngauranga Gorge.

Network management work also involves planning and computer modelling of general travel patterns around the city, including pedestrian, motor vehicle, cycle and parking patterns. Regular surveys are conducted to ensure information is up-to-date, so that the Council can respond to changing trends.

This work also includes the maintenance of road markings, the cats' eyes that highlight lane divisions, and signs that direct motorists around the city, including visitors to tourist attractions.

### Activity performance measures

1. Pedestrian satisfaction with traffic signals.  
Target 2004/05: 85%.
2. The percentage of residents who agree that road markings and signs are maintained to a good or very good standard.  
Target 2004/05: 80%.

## 2004/05 OPERATIONAL SPENDING, FUNDING SOURCES AND TARGETS FOR TRANSPORT

Council Plan 2003/04	Project description	Expenditure 2004/05	User charges and other revenue	Net expenditure before non funded depreciation	Non funded depreciation	Net expenditure/ rates funding requirement	Rates as a % of total funding	Rates funding target	
Net (\$000)		(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(%)	(%)	
415	A357	Road maintenance, slips and storm cleanup	865	(249)	616	616			
215	C304	Planned road maintenance	455	(148)	307	307			
4	C441	Bridges and tunnels maintenance	19	(8)	11	11			
3,781	C453	Vehicle network asset stewardship	7,961	(4,880)	3,081	3,081			
567	C481	Road protection services	1,212	(219)	993	993			
10	C590	Tawa discretionary fund	-	-	-	-			
<b>4,992</b>	<b>8.1.1</b>	<b>Service provider – Vehicle network</b>	<b>10,512</b>	<b>(5,504)</b>	<b>5,008</b>	<b>(1,765)</b>	<b>3,243</b>	<b>31%</b>	<b>60%</b>
1,324	C006	Open space vegetation management	1,788	(271)	1,517	1,517			
3,249	C289	Street cleaning contract	4,890	(575)	4,315	4,315			
<b>4,573</b>	<b>8.1.2</b>	<b>Service provider – Roads open space</b>	<b>6,678</b>	<b>(846)</b>	<b>5,832</b>	<b>-</b>	<b>5,832</b>	<b>87%</b>	<b>90%</b>
26	C315	Walls general maintenance	44	(12)	32	32			
2,174	C444	Drains and walls asset stewardship	3,466	(1,253)	2,213	2,213			
159	C445	Kerb and channel maintenance	344	(120)	224	224			
<b>2,359</b>	<b>8.1.3</b>	<b>Service provider – Corridor infrastructure (drainage and walls)</b>	<b>3,854</b>	<b>(1,385)</b>	<b>2,469</b>	<b>-</b>	<b>2,469</b>	<b>64%</b>	<b>60%</b>
197	C305	Footpath maintenance	260	-	260	260			
274	C307	Street furniture and special surface	310	-	310	310			
24	C312	Maintenance of Tawa shared driveways	18	-	18	18			
134	C365	Street activity co-ordination	239	(37)	202	202			
2,789	C377	Footpaths asset stewardship	3,160	-	3,160	3,160			
193	C448	Pedestrian network maintenance	266	(31)	235	235			
164	C492	Pedestrian network structures maintenance	164	-	164	164			
<b>3,775</b>	<b>8.1.4</b>	<b>Service provider – Pedestrian network</b>	<b>4,417</b>	<b>(68)</b>	<b>4,349</b>	<b>-</b>	<b>4,349</b>	<b>98%</b>	<b>100%</b>

2004/05 OPERATIONAL SPENDING, FUNDING SOURCES AND TARGETS FOR TRANSPORT CONTINUED

Council Plan 2003/04	Project description	Expenditure 2004/05	User charges and other revenue	Net expenditure before non funded depreciation	Non funded depreciation	Net expenditure/ rates funding requirement	Rates as a % of total funding	Rates funding target	
Net (\$000)		(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(%)	(%)	
1,494	C026B	Streetlight maintenance	2,352	(793)	1,559	1,559			
208	C450	Road safety education and promotion	552	(153)	399	399			
50	C451	School safety projects	67	-	67	67			
193	C494	Fences and guardrails maintenance	186	(6)	183	183			
122	C575	Safety asset stewardship	1,023	(2,058)	(1,035)	(1,035)			
<b>2,067</b>	<b>8.1.5</b>	<b>Service provider – Safety</b>	<b>4,180</b>	<b>(3,007)</b>	<b>1,173</b>	<b>-</b>	<b>1,173</b>	<b>28%</b>	<b>20%</b>
21	C493	Cycleways maintenance	18	(5)	13	13			
(2)	C577	Cycleway asset stewardship	44	(36)	8	8			
<b>19</b>	<b>8.1.6</b>	<b>Service provider – Cycleway network</b>	<b>62</b>	<b>(4)</b>	<b>21</b>	<b>-</b>	<b>21</b>	<b>34%</b>	<b>30%</b>
(10,782)	C290	Parking services and enforcement	9,467	(21,722)	(12,255)	(12,255)			
<b>(10,782)</b>	<b>8.1.7</b>	<b>Service provider – Parking</b>	<b>9,467</b>	<b>(21,722)</b>	<b>(12,255)</b>	<b>-</b>	<b>(12,255)</b>		<b>0%</b>
47	C072A	Passenger transport facilities	180	(148)	32	32			
(309)	C550	Bus shelter contract income	-	(338)	(338)	(338)			
234	C576	Passenger transport asset stewardship	244	-	244	244			
<b>(28)</b>	<b>8.2.1</b>	<b>Service provider – Passenger transport network</b>	<b>424</b>	<b>(486)</b>	<b>(62)</b>	<b>-</b>	<b>(62)</b>		<b>0%</b>
381	A026	Traffic signals system maintenance	831	(321)	510	510			
548	A153A	Traffic control asset stewardship	966	(346)	620	620			
325	C026C	Road marking maintenance	678	(247)	431	431			
511	C452	Traffic signs maintenance	714	(262)	452	452			
117	P184	City gateway infrastructure improvement	119	-	119	119			
416	P249	Transport policy projects	474	-	474	474			
<b>2,298</b>	<b>8.4.1</b>	<b>Service provider – Network control and management</b>	<b>3,782</b>	<b>(1,176)</b>	<b>2,606</b>	<b>-</b>	<b>2,606</b>	<b>69%</b>	<b>50%</b>
<b>9,273</b>		<b>Total for 2004/05</b>	<b>43,376</b>	<b>(34,235)</b>	<b>9,141</b>	<b>(1,765)</b>	<b>7,376</b>		

## 2004/05 CAPITAL SPENDING FOR TRANSPORT

<i>Council Plan 2003/04</i>	<i>Project description</i>	<i>Expenditure 2004/05</i>
<i>(\$000)</i>		<i>(\$000)</i>
65	CX086 Bridge and tunnel renewals	62
763	CX088 Thin asphalt road surface renewals	890
1,049	CX089 Reseals renewals	1,408
1,509	CX090 Preseal preparation renewals	1,720
2,089	CX092 Shape and camber corrections	2,568
50	CX097 Rural road improvements	52
149	CX101 Service lane improvements	102
30	CX104 Research and development upgrades	28
315	CX106 Inner city bypass heritage	-
330	CX165 Tunnel and bridge improvements	342
507	CX311 Vehicle network new roads	281
525	CX377 Roading capacity projects	113
41	CX379 Tawa road improvement projects	23
315	CX383 Area wide road maintenance	335
150	CX444 Roading renewals and city centre upgrades	160
<b>7,887</b>	<b>8.1.1 Service provider - Vehicle network</b>	<b>8,084</b>
760	CX087 Retaining wall renewals	776
277	CX093 Sumps flood mitigation upgrades	300
470	CX098 Road corridor sea wall renewal	494
1,292	CX253 Kerb and channel renewal	1,315
495	CX350 Wall and embankment improvements	494
<b>3,294</b>	<b>8.1.3 Service provider - Corridor infrastructure (drainage and walls)</b>	<b>3,379</b>
100	CX091 Pedestrian network structures renewals	103
1,729	CX094 Pedestrian network footpath renewals	2,049
637	CX099 Footpath extensions	930

## 2004/05 CAPITAL SPENDING FOR TRANSPORT CONTINUED



Council Plan 2003/04 (\$000)	Project description	Expenditure 2004/05 (\$000)
256	CX108 Street furniture renewals	245
127	CX109 Pedestrian network accessways	126
-	CX482 Special pavement surfaces	375
<b>2,849</b>	<b>8.1.4 Service provider - Pedestrian network</b>	<b>3,828</b>
457	CX019 Accident reduction upgrades	250
48	CX096 Safety street lighting renewal	214
479	CX171 Minor safety projects	501
227	CX232 Traffic calming projects	134
90	CX351 Residential street lighting	98
267	CX352 Fences and guardrails renewals	300
800	CX445 SaferRoads project	2,891
<b>2,368</b>	<b>8.1.5 Service provider - Safety</b>	<b>4,388</b>
37	CX112 Cycle network improvements	68
<b>37</b>	<b>8.1.6 Service provider - Cycleway network</b>	<b>68</b>
138	CX102 Parking asset renewals	2,659
100	CX319 Roadside parking improvements	168
<b>238</b>	<b>8.1.7 Service provider - Parking</b>	<b>2,827</b>
386	CX135 Passenger transport network upgrades	267
85	CX431 Bus shelter contract improvements	109
<b>471</b>	<b>8.2.1 Service provider - Passenger transport network</b>	<b>376</b>
171	CX095 Traffic and street signs renewals	203
395	CX353 Traffic signal renewals	386
<b>566</b>	<b>8.4.1 Service provider - Network control and management</b>	<b>589</b>
<b>17,710</b>	<b>Total for 2004/05</b>	<b>23,539</b>