



## Barclay Traffic Planning

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# CURRICULUM VITAE:

## William John BARCLAY

### *EDUCATION*

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|---------|---|
| 1974-77 | <b>University of Canterbury</b><br>Christchurch<br>Bachelor of Engineering (Civil) 1977   |
| 1983-84 | <b>University of Auckland</b><br>Auckland<br>Bachelor of Town Planning 1984<br>(including undergraduate and postgraduate papers in traffic engineering) |

### *OTHER QUALIFICATIONS*

- Transit New Zealand/LTSA Road Safety Engineering Certificate (1998)
- Transit New Zealand accredited Traffic Controller (TC) and Site Traffic Management Supervisor (STMS) for temporary traffic control (2001-2008, valid until 2011)

### *PROFESSIONAL STATUS*

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|--|---|
| <b>Institution of Professional Engineers New Zealand</b> | Admitted to corporate membership 1982 (MIPENZ)<br>Chartered Professional Engineer 2003 (CPEng)<br>International Professional Engineers Register 2003 (IPER) |
| <b>New Zealand Planning Institute</b>                    | Admitted to full membership 1991 (MNZPI)  |

## **EMPLOYMENT**

1996-

### **Barclay Traffic Planning**

Lower Hutt

*Principal*

- Operation and development of Lower Hutt traffic model
- Traffic engineering, project investigation, evaluation
- Resource management advice and assessments

1989-96

### **Hutt City Council**

Lower Hutt

*1. Traffic Engineer Design 1989-94*

*2. Traffic Planning Engineer 1994-96*

#### **Responsibilities:**

- Operation and development of computer traffic model, including complete review and recalibration in 1992-93
- Technical direction of strategic studies
- Traffic management
- Assessment of planning applications
- Involvement in District Plan preparation

1987-89

### **Lower Hutt City Council**

Lower Hutt

*Staff Engineer Streetworks*

#### **Responsibilities:**

- Streetworks design and supervision
- Investigations for Cross Valley Link designation hearing

1985-87	<b>Upper Hutt City Council</b> Upper Hutt <i>Staff Engineer (Registered)</i>
	<b>Responsibilities:</b>
	<ul style="list-style-type: none"><li>• Structural design, investigations and reports</li><li>• Design and supervision of major retaining walls for Upper Hutt Bypass project</li></ul>
1983-84	<b>Auckland Harbour Board</b> Auckland <i>Assistant Engineer (Design)</i> (part time position)
1980-83	<b>Southland Harbour Board</b> Bluff <i>Assistant Civil Engineer</i>
1977-79	<b>E R Garden and Partners</b> (now part of MWH) Invercargill <i>Assistant Engineer</i>

## ***PROJECTS***

2005-2008	Prepared traffic impact assessments for wind farm proposals at Motorimu (Manawatu) and Waverley (South Taranaki). Presented evidence for Motorimu project at Council and Environment Court hearings.
2005-2009	Advised Wanganui office of New Zealand Transport Agency in relation to strategic-level highway projects in and around Palmerston North.
2003-2005	Provided specialist technical support for tourist village proposal at McShanes Road, Richmond, during planning and consent phases.
2004 -	Traffic engineering tutor for Diploma of Engineering (Civil) course, Wellington Institute of Technology, Petone.
1992-95	Assisted in drafting transport provisions of Hutt City Proposed District Plan
2001	Prepared report on possible cycle routes in Wellington City. (Construction of Kilbirnie cycle route is now complete.)
1993 -	Traffic assessment of Hutt City Council planning applications (as employee and consultant)
1991	Prepared cycle policy for Hutt City Council. (Policy now implemented.)

## ***PROFESSIONAL INTERESTS***

- Resource management planning and statutory planning regimes
- Traffic management, including road safety, cycle and pedestrian planning
- Strategic planning, including traffic modelling, highway planning (especially high-volume urban and rural roads)

## ***PUBLICATIONS***

### ***Demographic, economic and technological trends, and their implications for transportation planning***

Paper presented at NZPI conference (Hamilton, May 2003)

### ***Point-to-point microscopic simulation: a discussion of issues***

Paper presented at 1st Western Pacific and 3rd Australia-Japan Workshop on Stochastic Models (Christchurch, September 1999)

### ***Traffic Modelling Techniques and the Territorial Local Authority***

Paper presented at IPENZ conference (Christchurch, February 1992)

### ***A Marine Development Regime for New Zealand***

Research Essay for Bachelor of Town Planning degree

University of Auckland (1984)

(Winner of Auckland Town Planning Association prize for best Research Essay)

30 November 2009

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