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REAAA[®]
Driving Progress

ROAD ENGINEERING ASSOCIATION OF ASIA & AUSTRALASIA (NZ)

**SPECIAL
POINTS OF
INTEREST:**

- Corporate member article
- 2006 REAAA NZ Chapter Committee
- REAAA NZ Roadshow 2006
- Upcoming Conferences
- Chairman's Annual Report

80th Governing Council Meeting

The REAAA Governing Council meets twice a year to plan future conferences, activities and publications. The REAAA Governing Council held its 80th Council meeting in Auckland from Tuesday 14 - Friday 17 March 2006. Delegates travelled from Asia and Australia for the Council meeting and attended various meetings during the four days. These activities included a reception on the Tuesday evening to welcome the delegates, a joint meeting with LTNZ and Transit followed by the partners tour



for the delegate's wives and the Council meeting with formal dinner on the Wednesday, and a technical tour for the Council delegates to major projects around Auckland on Thursday. The technical tour included site visits to the Northern Busway Project, Upper Harbour Bridge Duplication and Causeway and a presentation on the Central Motorway Junction, and Grafton Gully Projects. The delegates then had a free day on the Friday.

2006 REAAA Roadshow

Once again the annual REAAA Roadshow begins in Auckland.

Auckland – Wednesday 13 September 2006
Taupo – Thursday 14 September 2006
Wellington – Friday 15 September 2006
Dunedin – Monday 18 September 2006
Christchurch – Tuesday 19 September 2006

Registration packs for the roadshow will be sent to all members via post shortly. Please forward details of anyone you know who would be interested in receiving a registration pack to lisapallister@reaaa.co.nz or tell them to access the programme and registration form on www.reaaa.co.nz

2006 Committee

On 14 March 2006 the REAAA New Zealand Chapter held its Annual General Meeting in Auckland. The meeting was followed by a very interesting presentation from Prof Ian Johnston, Monash University on road safety.

This year there were five resignations from the committee, Bob Alkema, Bob Fulton, Graeme Henderson, Chris Tolley, and Warwick Walbran. However joining the existing committee of Mike Rudge (Chairperson), Muir Coup, Richard Steel, Janice Brass, Onno Mulder and Peter Scott are Brendan Bisley, Anthony Brennand, Bill Caradus, Peter Mortimer, Chris Olsen and Allan Tuck. Chris Parkman from Transit has also joined the committee since the AGM.

The new committee have already had a few strategic meetings on raising the profile of the REAAA NZ Chapter and enhancing the benefits of the chapters' members. Focusing on a redesign and expansion of the chapter's website, hosting regional forums and developing international relationships are just some of the elements of the chapter's strategic plan.

Below is a brief introduction of the committee's new members.

BRENDAN BISLEY, Christchurch Transportation Manager, Maunsell Ltd,

Prior to joining Maunsell, Brendan was employed with the Christchurch City Council for 9 years in a variety of positions from structural engineering, roading design, construction management to project management.

Brendan has for the last five years been managing the Transportation Team located in Maunsell's Christchurch office, with responsibility for projects undertaken throughout the south island. Brendan's work involves both roading and general civil related projects.

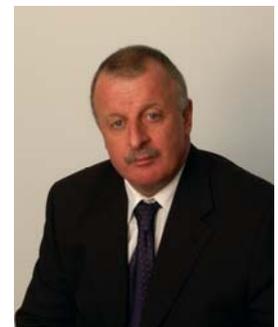


TONY BRENNAND, Major Client Manager, Sinclair Knight Merz, Wellington

Tony has over 20 years experience in the Transportation and road sector. He holds Bachelor and Masters degrees in Engineering from Auckland University; a Post graduate Diploma in Business Administration and a Masters Degree in Management from Massey University.

Tony has worked in both the private and public sector and worked extensively in both Auckland and Wellington. Tony has authored over 25 refereed papers in the transportation area and he also has a special interest in strategic transport planning and strategic multiple objective decision frameworks.

Tony was a former national Chairman of the IPENZ Transportation group.



BILL CARADUS, General Manager, Central Zone, Fulton Hogan

Bill commenced his career with the Otago Catchment Board in 1975 as an Engineering Trainee moving to Duffill Watts & King in 1979 working as Resident Engineer for various LA clients in Dunedin and South Otago.

Bill joined Fulton Hogan Dunedin in 1992 as Asphalt Manager and later Surfacing Division Manager responsible for all surfacing and resurfacing work and bitumen and asphalt product manufacture for the Dunedin region including special large resurfacing projects such as Dunedin Airport resurfacing and Port Otago projects.

Bill was appointed as Regional Manager Fulton Hogan Wellington in 2002 being responsible for all activities, staff and business of Fulton Hogan within the Wellington area.

At the beginning of 2006 Bill was appointed to the position of General Manager Central Zone responsible for Fulton Hogan Operations within the Bay of Plenty, East Coast, Wanganui and Wellington regions of Fulton Hogan.



"... strategic meetings on raising the profile of the REAAA NZ Chapter and enhancing the benefits of the chapters' members."

2006 Committee

PETER MORTIMER Divisional Manager - Technical Services, Works Infrastructure, Dunedin

Peter has been involved in the Road Engineering industry since 1992 and has past experience with consultant, local authority and contracting.

Peter is currently managing a busy team of technical staff involved in Radio Telecommunications, weather measurement telemetry, including the Milford Road avalanche programme, Asset Management including Forward Works Programmes, deterioration modelling and treatment selection. Geometric and pavement design of design build projects, surfacing design including chip seal and asphalt. Testing and investigations for compliance monitoring of construction, including lab testing for asphalt production. Survey for design topo, construction setout and data conversion to machine control systems. QA management including internal compliance audits for contract performance assessment and internal accreditation compliance monitoring.



CHRIS OLSEN, Chief Executive, Roothing Zealand, Wellington

Chris Olsen is the Chief Executive of Roothing New Zealand and has been in the roading sector for over 30 years. He holds an NZCE, BE (Hons), is a Fellow of the New Zealand Institute of Professional Engineers and has completed papers towards his Masters of Public Policy and Management Diploma.

He has worked for contractors, Local Government, Transit New Zealand, Transfund New Zealand and now represents contractors. Over this time he has held the positions of Roothing Manager for Wellington City Council and Programme and Funding Manager for both Transit and Transfund. In the early 1990's he was a local authority member of the original working group that introduced Quality Assurance into the roading sector. He was also a member of the RAMM Advisory Group. Later he was responsible for developing the country funding policy for road maintenance and for two years was responsible for the country's compliance pricing procedures for both roading and passenger transport. From 2000 to 2003 Chris served on the Austroads Pavements Reference Group.



His experience covers just about everything from technical, asset management and procurement through to strategic planning, management, training, health and safety and growing the industry.

CHRIS PARKMAN, Asset Manager, Transit New Zealand, Wellington

Chris is responsible for various national road asset management activities and initiatives.

Since graduation in 1988, Chris has worked in a number of countries gaining experience in site supervision, asset management, design, research, and more recently as a client.

Chris has been in New Zealand since 2000, where he first worked with Beca Carter Hollings and Ferner before moving to Transit New Zealand in 2002.



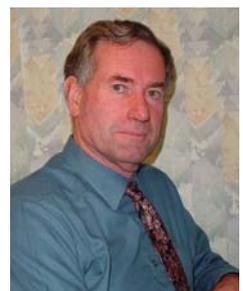
ALLAN TUCK, General Manager, Higgins Group, Hawkes Bay.

Allan's responsibilities include the supply of bulk bitumen from ship through Higgins Bulk plant at the Port of Napier to a variety of customers. Higgins manufacture Polymer modified Bitumens Emulsions and other specialized products.

Other operations of Higgins Group in Hawkes Bay include the manufacture of base-course and aggregates for the roading industry, the manufacture of asphaltic concrete (Hotmix) and traffic services.

The Civil operations include excavation and earthworks, underground drainage, soil and pavement stabilization, pavement construction, laying of Hotmix, chip and slurry sealing and road maintenance.

Allan chairs the Civil Training Advisory Group, is a member of the Pavements Committee of Roothing NZ for whom he is also East Coast Regional Representative. He is a past chairman of a number of other Industry and community organisations.



HIGGINS GROUP

The Higgins Group have completed an interesting project being the Te Apiti windfarm for Meridian Energy. Whilst it was a wind farm a considerable roading network was required (22 kms) to gain site access and convey significant quantities of form work, reinforcing steel, concrete, base units, towers, turbines and blades.



The roads were constructed to 10 meter formation widths to allow crane access and the carriage of long tower and blade units. Roads connected to the main road were sealed.

The majority of the roads were constructed with gravel pavement and upon completion of the turbines the 10 meter formations were reduced in width to produce less visual impact on the landscape.

The \$200,000,000 project has seen the construction of a 90 mega watt wind farm within a 12 month period. The project was formally opened on 9 December 2004. The project was delivered meeting or exceeding all requirements of time, budget and compliance.

During the 12 month construction period to the end of November 2004 the site received 1995 mm of rainfall with a 110 days lost to wet weather. On February the 9th, 2004 the Manawatu was hit by a significant flooding event which closed the Manawatu Gorge. The main access to the project from Ashurst via the Saddle Rd was closed due to the collapse of the bridge across the Pohangina river together with numerous slip damage on Saddle Rd to Woodville. This necessitated the cartage of roading and concrete aggregate over the Pahiatua track through to Woodville and on to the Eastern end of Saddle Road. The Project site came through the "Storm Event" with very little damage after receiving over 200mm of rainfall in a 24 hour period. The high standard of environmental controls and pavement design minimised the damage.



Pavement work included lime and cement stabilising and due to the soft nature of some subgrade sections, due to the high rainfall, track machines were used to facilitate spreading and hoeing. The handing over of each section of roadway dictated the order and access to allow the construction of the tower bases and completed turbines. Much of the roading corridor was also required for the installation of 50km of underground cabling. The advantage of having all civil works under the control of a principal contractor allowed flexibility in terms of planning the order of the roading and the delivery of the concrete tower bases which comprised some 22,000 CM of reinforced concrete. 55 turbines were constructed with each having its individual road access off the site network.

Upcoming Conferences

July 2006

24 - 25 July [ARRB Sustainable Urban Transport Workshop, Auckland](#)

27 - 28 July [ARRB Sustainable Urban Transport Workshop, Christchurch](#)

August 2006

6 - 9 ['Sustainability, our choice, our future' Trafinz Conference 2006, Queenstown](#)

10 - 12 [Annual Conference of Assn Consulting Engineers NZ, Dunedin](#)

11 [RCA Forum, Wellington](#)

12 - 17 [10th International Conference on Asphalt Pavements, Quebec](#)

22 - 24 [Road Safety in Developing countries at BUET, Dhaka, Bangladesh](#)

29 ['Better Value Roding' Roding New Zealand Conference , Duxton Hotel, Wellington](#)

31 ['Transportation Funding Summit ', Waipuna Hotel, Auckland](#)

September 2006

13 [REAAA NZ Chapter Roadshow - Auckland Seminar](#)

14 [REAAA NZ Chapter Roadshow - Taupo Seminar](#)

15 [REAAA NZ Chapter Roadshow - Wellington Seminar](#)

18 [REAAA NZ Chapter Roadshow - Dunedin Seminar](#)

19 [REAAA NZ Chapter Roadshow - Christchurch Seminar](#)

12 - 15 [Austroads 6th Bridge Conference, Perth, Western Australia](#)

13 - 16 [International Conference on Perpetual Pavement, Columbus, Ohio](#)

17 - 20 [Transportation Association of Canada \(TAC\) Annual Conference & Exhibition, Charlottetown, Prince Edward Island](#)

17 - 21 [Third Carribean Asphalt Conference, Trinidad, West Indies](#)

27 - 29 [World Roads Conference Singapore 2006, Singapore](#)

October 2006

4 - 6 [PIMNZ Conference, Christchurch](#)

8 - 11 [IPENZ-TG Transportation Conference \(Workshop & Technical Conference\), Queens-town](#)

8 - 12 [13th ITS World Congress & Exhibition, London, UK](#)

15 - 17 ['Transportation in the pursuit of Excellence' 8th Annual Transit / NZIHT Conference, Waipuna Conference Centre, Auckland](#)

26 - 28 [INFRATECH 2006, Korea](#)

27 - 29 [Australasian Transport Research Forum 2006, Queensland](#)

29 - 2 Nov [22nd ARRB Group Conference, Canberra, Australia](#)

November 2006

20 - 24 [12th Conference of REAAA, Manila, Philippines](#)

December 2006

1 [RCA Forum, Wellington](#)



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REAAA (Road Engineering Association Asia Australasia) is an international fellowship of members interested in the science and practice of road engineering. Currently there are more than 1,200 members from 27 countries with over 100 members in the New Zealand Chapter.

Key objectives of the association are:

- To promote and advance the science and practice of road engineering and related professions.
- To educate and seek to improve, extend and elevate the technical and general knowledge of persons concerned with road engineering.

Chapter activities in New Zealand include:

- Regional seminars/workshops
 - Site visits to projects of interest
 - Regular newsletters on current developments and practices
- Network opportunities with other members in NZ and overseas

Membership is open to individuals & companies, for more detail on membership contact: Lisa Pallister, Secretary, lisapallister@reaaa.co.nz

Chairman's Annual Report for 2005

The last year has been as busy as usual for the REAAA NZ Chapter. As the amount of road projects and activity around the country has increased committee members have been stretched. However we have still managed to get through an impressive amount of work this year including;

The 2005 Roadshow

We had a very successful Roadshow in September last year with more attendees in almost all locations than we have had before. The Roadshow had papers on Traffic Management, the application of Foamed Bitumen, issues around toll projects in Australia, the application of column drains as a cost effective slope stabilisation technique and Transit NZ's new approach to protecting the State Highway Network. We received very positive feedback on the range of papers presented and the Roadshow continues to be our flagship and I thank everyone who was involved in presenting and organising it.

The Low Volume Roads Workshop

This bi-annual event was held in Palmerston North in early August. The theme was Best Practices - Smart Systems - Canny Tools: A Practitioner's Approach. It was once again a success and planning is already underway for the 2007 event.

Newsletters and Information

We published three newsletters in 2006. It is always a challenge to find new stories and we would welcome suggestions and thoughts from any members.

Sponsorship

We continued our practice of sponsoring keynote speakers at key conferences. Last year we sponsored Kobus Mentz who spoke on Urban Design and the NZIHT conference on Planning for Certainty in Transport. The committee sees facilitating this type of high level and focussed sponsorship as consistent with two of our key objectives

- To promote and advance the science and practice of road engineering and related professions.
- To educate and seek to improve, extend and elevate the technical and general knowledge of members and persons concerned with road engineering.

Thanks and Welcome

Thanks to old committee – First to my fellow foundation committee members Bob Alkema – who completed 10 years as Treasurer, Bob Fulton, who has kept us fairly grounded on what we could really achieve and Mike O'Cain who has represented the south of the South Island well. I would also like to recognise the contributions of Graeme Henderson, Warwick Walbran and Chris Tolley. Welcome to new committee, new energy and potential new direction Tony Brennand, Peter Mortimer, Brendan Bisley, Bill Caradus, Chris Olsen and Allan Tuck

Challenges for 2006

We have a new committee who I would like to challenge to look ahead and define the future for the NZ as well as the immediate challenges of hosting the REAAA Council, another Roadshow, further appropriate sponsorship and the REAAA Conference in Manila.

Mike Rudge, Chairman REAAA NZ Chapter