



BARRY MURRAY

DIRECTOR

AREAS OF EXPERTISE

- Noise and Vibration Assessment
- Acoustical Design
- Rail Noise and Vibration Technology
- Project Management

QUALIFICATIONS

- Bachelor of Science

AFFILIATIONS

- Member, Australian Acoustical Society (MAAS)
- Member, Hong Kong Institute of Acoustics (MHKIOA)
- Associate Fellow, China Hong Kong Permanent Way Society (AFCHKPWS)
- Past Chairman, Association of Australian Acoustical Consultants (AAAC)

PUBLICATIONS

- *Advantages of 3-D Ground-borne Noise & Vibration Model*, IWRN 2010
- Input to RTA Urban Design Guidelines, *Beyond the Pavement*
- Co-author *Design of Trackforms for Epping to Chatswood Rail Line*, presented at Perth Rail Conference in 2004
- Chapter 114 of Expert Evidence *Environmental Noise Assessment* (Freckelton & Selby)
- *The Cost of Noise in Residential Areas*, Australian Acoustical Society, Tanunda 1983
- *Review of Vertical Exhausts*, Austroads, Sydney 1993
- *Measurement of Road Traffic Maximum Noise Levels*, Australian Acoustical Society, Canberra, 2001
- *Advantages of 3-D Vibration & Groundborne Noise Model*, Proceedings of the 10th International Workshop of Railway Noise, Japan, 18-22 October 2010

AWARDS

- Project Manager of Noise Study for M2 Freeway (Western Section) which received an Excellence in Acoustics Award from the Australian Acoustical Society

EMPLOYMENT HISTORY

- 1971 – 1976 Acoustic Consultant, Carr & Wilkinson
- 1976 – Present Director, Wilkinson Murray (Sydney) and (HK)

PROFILE

Barry Murray is a professional Acoustic Consultant who has been practising for over 30 years. He has a Bachelor of Science from the University of Queensland and is a Member of the Australian Acoustical Society and a Member of the Hong Kong Institute of Acoustics. He is a founding director of Wilkinson Murray and a former chairman of the Association of Australian Acoustical Consultants.

Barry has spent most of his working life with Wilkinson Murray and has been the driving force in the growth of this consulting firm. The breadth of his experience covers resource projects, transportation projects, construction projects and building projects. His expertise is related to acoustics, vibration and structural dynamics.

The quality of Barry's work is demonstrated in some of the major Wilkinson Murray projects he has been involved in, including the M2 Motorway, Sydney (recipient of Excellence in Acoustics Award), Sydney Cross City Tunnel, Perth New MetroRail Project, Mount Arthur North Coal Mine, Capitol Theatre and Channel 10 Studios.

Acoustic research and noise policy are also areas in which Barry has been involved. He has reviewed the Draft Industrial Noise Policy and the Draft Environmental Criteria for Road Traffic Noise (published by the NSW Department of Environment & Conservation (DEC)) on behalf of resource and industry groups. He has also advised the Roads & Traffic Authority of NSW regarding their traffic noise policy. His research has included a survey into the effect of air blast from quarries and an investigation into the effect of truck exhaust heights on roadside noise barriers.

Barry has provided expert acoustical evidence in court hearings on over 100 occasions and he has advanced communication skills. These skills are also of importance for the numerous community consultations that he has been involved in and he also uses them as a lecturer at the University of NSW.

ARCHITECTURAL

- Rehearsal / Performance Hall for Sydney Symphony Orchestra (ABC Ultimo Centre)
- The Masonic Centre, Sydney
- Lecture Theatres for Westmead Hospital
- Lecture Theatres for University of Sydney at Royal North Shore Hospital
- Marana Hall, Hurstville
- Cinema Complex at 99 Norton Street, Leichhardt
- Showscan Theatre, First State 88 Exhibition
- Capitol Theatre Redevelopment
- Plenary Hall and major conference rooms of the Tamar Development Project, Hong Kong
- Ko Shan Theatre Annexe, Hong Kong
- CET Studio Complex, Bangkok
- SBS Radio Studios, Sydney
- ABC Television Sound Stage
- ABC Ultimo Centre
- UTS Recording Studios
- Channel 10, Sydney
- Foxtel Studios, Sydney
- Australian Film, Television and Radio School
- Metro Broadcast Digital Radio Studios, Hong Kong
- Phoenix Digital Radio Studios, Hong Kong
- Sydney Exhibition & Convention Centre Link Building, Darling Harbour
- The Regent of Sydney
- Old Sydney Parkroyal
- Hunters Hill Radisson Hotel, Sydney
- Holiday Inn, Sydney
- Sydney Radisson Hotel
- Forum Development, St Leonards, Sydney
- Islands Apartments, Perth
- Empire Apartments, Ho Chi Minh
- 22 Wylde Street, Potts Point, Sydney
- Revy Apartments, Sydney
- Seachange Apartments, Sydney
- The Point, Sydney
- Belvedere Apartments, Sydney
- 252 Sussex Street, Sydney
- The Sydney Museum
- National Maritime Museum, Darling Harbour
- Powerhouse Museum
- Bankers Trust Fit-out, Chifley Tower, Sydney
- QANTAS Centre, Sydney
- National Mutual Building
- Woolworths Headquarters, Sydney
- 50 Berry Street, Sydney
- 130 Pitt Street, Sydney
- MBF Building, Sydney
- Tamar Development, Hong Kong

TRANSPORTATION

- Port Kembla Coal Terminal Transport
- Kooragang Island Coal Terminal Transport
- Sydney Light Rail Project
- Epping to Chatswood Rail Line
- Perth New MetroRail Project
- Taipei Taoyuan Airport Line
- Express Rail Link, Hong Kong
- Northern Link, Hong Kong
- Kwun Tong Line Extension, Hong Kong
- Gautrain Project, Johannesburg, South Africa
- KV MRT, Kuala Lumpur
- Second Sydney Airport
- Sydney Airport Master Plan
- Tamworth Airport and BEA Flying College
- Honiara International Airport
- Northern Distributor, Wollongong
- M2 Motorway, Pennant Hills Road to Seven Hills
- Eastern Distributor, Sydney
- State Highway 23, Newcastle
- Albury Wodonga National Highway
- Cross City Tunnel, Sydney
- White Bay and Glebe Island Port
- Port Botany Facilities
- Townsville Port Operations
- Kooragang Island Coal Terminal
- Port Kembla Coal Terminal

VIBRATION ANALYSIS

- Greenwood Square
- Sydney Central
- Harbord Diggers Club
- Chifley Square Construction
- ANA Hotel Construction
- Sydney International Terminal Construction
- Sydney Light Rail Project
- Construction and operation of Epping to Chatswood Rail Line
- Construction and operation of Express Rail Link, Hong Kong
- Construction of the Cross City Tunnel, Sydney
- Blasting at numerous mines and quarries
- Construction of Warragamba Deep Water Storage Cavern, Sydney
- Gautrain Project, South Africa
- Office Building, 130 Pitt Street
- New National Library of Singapore
- Tiong Bahru Commercial Development, Singapore
- Sydney Conservatorium of Music

MINES & QUARRIES

- Mount Arthur North Coal Mine
- Ulan open-cut and Underground Mines
- Howick open-cut Coal Mine
- Lemington South open-cut Mine
- Berrima Colliery
- Penrith Lakes Scheme
- Compton Park Quarry
- Hornsby Quarry
- Jandra Quarry, Taree
- Four Mulgoa Quarries
- Colo River Sand Extraction
- Exeter Quarry

OTHER

- Warman International, Wyong
- Colgate-Palmolive, Villawood
- Lindemans, Auburn
- Drum Reconditioners
- Alcan Granville, Cabramatta and Girraween
- Pyneboard, Tumut
- Mobil, Hunters Hill
- QANTAS Workshops
- XPT Maintenance Depot