

Yasapala Weerasinghe MIEAust, CPEng, MICE(UK), CEng



Technical Director - Geotechnics at Cardno

[Sydney, Australia](#)
[Civil Engineering](#)

Current

1. [Cardno NSW/ACT](#)

Previous

1. [SMEC Australia Pty Ltd,](#)
2. [Japan Overseas Consultants Co. Ltd.,](#)
3. [Coffey Partners International Pty Ltd](#)

Education

1. [Asian Institute of Technology](#)

Summary

Thirty nine years of post graduate experience; of which twenty seven years in geotechnical design, design documentation, construction advice, design review and verification, business development and management in Australasian region; five years in construction and contract administration in several international highway construction projects; two years post graduate studies and five years in design and construction of earth dams and spillways in Sri Lanka.

Fields of Expertise

- Soft ground engineering
- Foundation design: footings, piles, rafts, piled rafts
- Earthworks: design, construction and documentation
- Design and construction of earth dams and spillways
- Design of deep excavation support structures
- Soil improvement: design and construction management
- Soil Investigation techniques: on-shore, near-shore and off-shore
- Slopes stability: assessment and design of stabilisation works
- Reinforced soil: design of reinforced soil walls and slopes
- Road pavement investigation, design, construction advice and quality control
- Contract administration and quality control of internationally funded infrastructure projects
- Independent Verification: Roads and rail infrastructure project designs

- Development of in-house design tools (i.e. software coding) and technical procedures
- Staff mentoring

Experience

Technical Director - Geotechnics

Cardno NSW/ACT

November 2013 – Present (3 years) St Leonards

Australian Technical Principal - Geotechnical

SMEC Australia Pty Ltd

June 2010 – April 2013 (2 years 11 months) North Sydney

Technical:

- Development of in-house design tools (i.e. software) and technical procedures
- Staff mentoring

Project Works:

- Lead Geotechnical Project Independent Verifier - Oxley Highway to Kempsey (OH2K) 2012 to April 2013 for Roads and Maritime Services, NSW
- Internal Independent Verifier - Geotechnical - Gerringong Upgrade of Princes Highway (GU) 2012 for Fulton Hogan Construction Pty Ltd
- Independent Verifier - Geotechnical - Glenfield to Leppington Rail line, NSW (GLRL) 2011-2012 for John Holland Pty Ltd
- Team Leader Geotechnical (tender winning to detailed design) - South Road Superway, SA 2010 - 2012 for John Holland Pty Ltd
- Team Leader Geotechnical (tender winning to detailed design) - Banora Point Upgrade Project 2009 - 2011 for Road Traffic Authority, NSW

(Open) 2 projects

Technical Principal - Geotechnical and Group Manager

SMEC

June 2007 – May 2010 (3 years) North Sydney

Technical:

- Development of in-house design tools (i.e. software) and technical procedures
- Staff mentoring

Geotechnical Group Manager (a group of 40 professionals) :

- Business development, staff development and group administration

Project Works:

- Team Leader Geotechnical - Adelaide Desalination Plant, Adelaide 2009 – 2010 for South Australia Water, SA
- Team Leader Geotechnical (tender winning to detailed design) - Northern Expressway, Adelaide 2008 – 2010 for Department of Transport Energy and Infrastructure, SA

- Lead Geotechnical Independent Verifier - Ballina Bypass Project, 2008 -2013 for Roads and Traffic Authority, NSW
- Lead Geotechnical Independent Verifier - Bulahdelah Bypass Project 2008 – 2012 for Road Traffic Authority, NSW

(Open)2 projects

Principal Engineer / Geotechnical Manager

SMEC Australia Pty Ltd

June 2006 – May 2007 (1 year)Brisbane, QLD

Geotechnical Group Manager (4 professionals):

- Business development, staff development and group administration

Project Works:

- Lead Geotechnical Designer - Airport Link and Northern Busway, QLD, 2007 for Main Roads North Coast Hinterland District, QLD
- Geotechnical Design Manager - Sunshine Motorway Duplication, 2006 to 2007 for Main Roads North Coast Hinterland District
- Geotechnical Design Manager - Brisbane Airport Northern Access Project (Tender) Northern Access Road Project (NARP), 2006 - 2007 for Abigroup Contractors Pty Ltd/Brisbane Airport Group

Project Manager / Resident Engineer

Japan Overseas Consultants Co. Ltd.

January 2001 – April 2006 (5 years 4 months)Bishkek, Kyrgyzstan

Project Works:

- Resident Engineer / Acting Project Manager - Bishkek – Osh Road Rehabilitation Project, Kyrgyzstan for Ministry of Transportation and Communication of the Republic of Kyrgyzstan
- Senior Materials and Pavement Engineer - Southern Road Network Development, Bangladesh for Roads and Highways Department, Bangladesh
- Senior Materials and Pavement Engineer - Jamuna Bridge Access Road Rehabilitation Project, Bangladesh for Roads and Highways Department, Bangladesh
- Consulting Geotechnical Engineer - Kelanitissa Power Generation Plant, Sri Lanka for Mitsui Corporation, Sri Lanka

(Open)1 project

(Open)1 recommendation



Frank, Joseph Csepregi

Senior Resident Engineer

I Frank Joseph Csepregi (B.Sc; C.Eng; MICE; MIHT) hereby confirm that I have worked with Mr. Yasapala Weerasinghe on the Bishkek - Osh Road Rehabilitation project in Kyrgyzstan. Mr Weerasinghe is a very versatile engineer and his depth of...[View](#)

Project Manager / Senior Geotechnical Engineer

Coffey Partners International Pty Ltd

December 1994 – December 2000 (6 years 1 month) Sydney

- Project Manager: Managing and supervising of numerous soil investigation projects in NSW
- Designer: Developing a design software, design and documentation of reinforced soil walls for M2 Motorway for John Holland Pty Ltd
- Designer: Site characterisation and design of reinforced soil walls for Western Railway "Y-Link" at Granville, Parramatta for ABI Group
- Designer: Inspection and stabilisation design of former quarry faces for Jackson Landing development, Pyrmont, NSW for Lend Lease
- Project Manager / Lead Designer: Site characterisation and design of heap leach pad for Open-cast Gold Mine, Sibutad, Mindanao, Philippines for Philex Mining Corporation
- Investigator: Sub-surface investigation, instrumentation and monitoring - New Southern Railway for Transfield Bouygues JV



Harry Poulos

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While working with Coffey from 1995-2000, Yasapala demonstrated an excellent knowledge of foundation design and developed a number of useful design aids. He and I worked on a complex project in Israel and his efforts were invaluable.

Senior Geotechnical Engineer

Moh and Associates Pte Ltd

January 1990 – December 1994 (5 years) Singapore

- Investigator / Designer: Sub-surface characterisation and design of reclamation works and instrumentation - Changi Airport Extension II
- Designer: Design of temporary support system for 20m deep Tingshi Station with provisions for launching and retrieval of TBM design of traffic management for Taipei Mass Transit Corporation
- Designer: Design of 2 level basement excavation adjacent to elevated Pasir Ris MRT station located over an old sand tailing pond using a FEM program for TY Lin (SEA) Pte Ltd

Trevor Fernando

Senior Manager Offshore Engineering & Commercial at Fugro Singapore Pte Ltd

Yasapala is a gentleman of principles and his knowledge and experience in Geotechnical Engineering is well recognized by his CLIENTS and Colleagues. His mentoring capabilities are exceptional and he leads by example.

Senior Geotechnical Engineer

Kiso Jiban Consultants Co. Ltd

July 1983 – December 1989 (6 years 6 months)Singapore

1983-1984 Kiso-Jiban Singapore: Various investigation and monitoring projects including Singapore MRT project.

1984-1985 Kiso-Jiban Malaysia (Kuala Lumpur): Various investigation and monitoring projects in Kuala Lumpur including Landmark Hotels and Apartments, Jakarta Indonesia, Hilton Hotel Building, Sri Lanka, Overseas Trust Bank building, Sri Lanka

1985-1987 P T Kisocon Raya, Jakarta, Indonesia: Soil Investigation for Jakarta-Bogor and Tangerang-Bekasi Railway, Sumitmas Tower Extension-Jakarta, Kaltim Prima Coal Loading Jetty-East Kalimantan

1988 -1989 Kiso-Jiban Representative in Sri Lanka and attending overseas projects in Singapore, Malaysia and Maldives

1989 Kiso Jiban Consultants, Sango, Japan: 6 months training in precision laboratory testing.

Irrigation Engineer / Resident Engineer

Department of Irrigation, Sri Lanka

April 1976 – September 1981 (5 years 6 months)Sri Lanka

- Irrigation Engineer: Ginganga (river) Regulation Project a flood mitigation project funded by Peoples Republic of China
- Irrigation Engineer: Design Engineer attached to Head-Works Design Section of Irrigation Head Office, Colombo. Design of spillways and Sluice structures
- Resident Engineer: Head-Works of Kirindi Oya Reservoir Project.

Languages

1. Sinhala

Native or bilingual proficiency

2. English

Full professional proficiency

Education



Asian Institute of Technology

MEng, Geotechnical Engineering

1981 – 1983

University of Ceylon, Peradeniya

BSc, Civil Engineering

1972 – 1975