



**PATRICK FAHEY**  
Project Manager, Methods

Pat has in excess of twenty years' experience in underground construction on major infrastructure projects in Australia and UK. He has gained extensive knowledge in project management, methods, tenders, site supervision and client representation. He is knowledgeable in numerous methods of underground construction with EPB and TBMs in both soft and hard ground conditions

#### Qualifications/Affiliations

Polytechnic of Westminster (now University of Westminster), UK.

- B Eng (Hons) Civil Engineer,

Cardinal Wiseman

- 2 A-Levels Pure & Applied Mathematics and Physics
- 5 O-Levels including English and Mathematics

Software:

- Primavera P6 (Advanced)
- AutoCAD (Intermediate)
- SQL/Access (Intermediate)
- Project (Advanced)

#### Capabilities

- Develop Safe Work Procedures/JSEAs
- Develop detailed construction methodologies including resource requirements
- Develop detailed schedules in P6/MS Project including performance dashboards utilising Earned Value methods
- Prepare detailed time-chainage programs
- Develop Inspection Test Plans & Checklists
- Prepare detailed cost estimates from first principles
- Develop cost budgets and provide cost benefit analysis
- Work as part of Tender team
- Provide Contract Management including development/submission of Progress Payments, Extension of Time and Variation/Change Orders
- Develop detailed Scope of Works including Bills of Quantities
- Liaise with statutory bodies and key stakeholders.
- Manage design process
- Complete audits of systems including "gap analysis"
- Provide peer review, etc.

#### Experience

**Oct 16 to date – Tunnel Project Manager, Tunnelling Solutions**

**Sept 18** – Assisting with construction reviews at North Eastern L for Advisian

**June – Sept 18** Advise on Procurement rates associated with roadheader excavation works at CPB Cross Yarra Partnership

**Sept 17 to May 18 Project Manager, Darebin Street Underpass.**

D&C for Laing O'Rourke North East Project Alliance level crossing removal project and track duplication on the Hurtsbridge railway line between Heidelberg & Rosanna Responsibilities included

- Contract Management;
- Implementation and maintenance of safe system of work;
- Development of methodologies;
- Programme development; and
- Preparation of SWMS, ITPs & JSEAs

**Feb - Sept 2017 Project Manager providing technical support on Tender for John Holland CPB Sydney Central Station Tender.**

**Oct 16 – Feb 17 Castle Hill & Norwest Pedestrian Underpasses for NRT.**

Responsible for risk assessments and Logistics

**2013 – 2016 Various roles, Fahey Development/AS Earl, Australia & Ireland** (whilst recuperating from illness)

Provided works on GrainSmart database for family related company, AS Earl including data entry and cost reconciliation.

Completed works on an as required basis for family company, Fahey Developments including developing Bill of Quantities, cost estimates etc.

**2011 – 2012 Senior Engineer, Coal Mine (Development) Redpath Mining for BMA Gregory Crinum, Queensland**

Supervision of workforce in the operation of 2 continuous mines and one roadheader as part of coal development works including associated panel moves

**2010 – 2011 Project Manager, Tunnels M2 Upgrade for Leighton Contractors, NSW**

Widening of tunnels to M2 motorway (Sydney) to increase to 3-lanes including additional breakdown lanes.

Works completed whilst maintaining M2 operations

Construction of tunnel, 1.9Km by TBM with segmental lining to provide an automated baggage handling system. Works completed with no impact on airport operations

**.2009 – 2010 Project Manager, Leighton Contractors, NSW**

Responsible for preparation for tender documents and responses to Client queries

**2008 – 2009 –Senior Site Supervision Post T5 Tunnel Baggage System, Heathrow for Mott MacDonald, London**

**2005 – 2007 Methods Manager – Tunnels, Eastlink Project for Thiess John Holland, Melbourne**

Construction of twin road runnels, each 1.5km long, 3-lanes and associated breakdown lanes. Excavation utilising 4 roadheaders and insitu concrete lining utilising 2 mobile forms each 15m long.

**2003 – 3005 Site Manager (Stations) Macquarie University/Tunnel Lining Manager, Epping Chatswood Rail Link for Thiess Hochtief JV, Sydney**

- Construction of twin rail tunnels and associated stations as part of the Epping-Chatswood Rail Link.
- Worked as Site Manager for the excavation of Macquarie University Station utilising a combination of roadheaders and hydraulic excavators.
- Also worked as Tunnel Lining Manager completing the insitu lining works for the running tunnels utilising 6 Oestu Stettin tunnel lining forms in a 'hit-miss' sequence

**2001 – 2003 Project Engineer 132KV Cable Tunnel for Downer Construction, Sydney**

Design & Construct Contract of cable tunnel connecting three electrical substations within Sydney CBD including Haymarket, South Sydney and Campbell Street.

**1998 – 2001 Project Engineer, Excavation for Northside Storage Tunnel Alliance for Transfield**

- Augmentation of existing sewerage treatment plant and construction of new storage tunnel, North Head Sydney. Excavations works completed using a combination of 2 TBM's and 3 roadheaders. Extensive grouting works and steel set installation from a TBM was completed under Manly and Middle Harbour.
- Works included the excavation of 2 pump caverns, 1 wet well cavern, 4 raise bores and the extension of existing sewers

**1995 – 1997 Shift Engineer – Central Terminal Area South (CTAS) for Balfour Beatty, Heathrow Express Rail Link**

Construction of 2 tunnels as part of the Heathrow Express Rail Link connecting Heathrow airport with Paddington.