

Mr Anthony Robert Gresham Hargreaves (Tony)

RPEQ, NER, CPEng (EA), B.Eng (Civil) (Hons), MIEAust (EA)

Annerley, QLD 4103

arghargreaves@outlook.com

0400 753 823

CAREER OVERVIEW

My professional career spans 15 years and includes project management, civil engineering, contract administration, and site engineering works for various clients and stakeholders. Project responsibilities have included managing multi-disciplinary teams, designing civil elements, conducting site investigations, generating professional reports, analysing budgets and programs, and assisting with construction phase works.

FORMAL QUALIFICATION

Feb 2006 – Nov 2009 Bachelor of Engineering in Civil Engineering, Griffith University, Gold Coast Campus, Australia

Jul 2019 – Jun 2026 Registered Professional Engineer of Queensland (RPEQ) (Civil)

PROFESSIONAL EMPLOYMENT OVERVIEW

Sep 2024 – Feb 2025 **Project Manager / Senior Civil Engineer** at Engeny operating in Brisbane. This role was civil design focused and involved coordinating internal design teams, liaison with clients, developing civil design layouts and preparing reports. Client companies included BMA (BHP Mitsubishi Alliance), CoGC (City of Gold Coast), Glencore and Samsung. Projects included transport, infrastructure and renewables.

Nov 2022 – Aug 2024 **Project Manager / Senior Civil Engineer** at Jacobs operating in South Brisbane. This role involved in depth budgeting, coordination of teams, development of project management systems, reporting, quality assurance reviews and stormwater design.

July 2022 – Nov 2022 **Civil Team Lead** at JJRyan operating in Toowong. This role required the coordination of a civil design team of 10 personnel in a predominantly WFH arrangement with staff and projects located throughout Australia. Projects centred on local government design contracts for parks, roads and supporting infrastructure.

Jan 2022 – May 2022 **Project Manager / Civil Engineer** at McVeigh operating in Newstead. This role included coordination of civil works for commercial and industrial sites. This included investigations into port requirements, developing sites suitable for heavy vehicle manoeuvring and haulage, development applications as well as associated quality assurance and site services.

Feb 2010 – Dec 2021 **Project Manager / Civil Engineer / Civil Team Lead** at GHD operating in Mackay, Gladstone and Brisbane in various project roles. This is split into the following roles:

Brisbane, 2017 to 2021: Senior Civil Engineer / Project Manager. As a Senior Civil Engineer at GHD in Brisbane, I managed multidisciplinary teams on detailed design projects, covering areas such as geometric, pavement, geotechnical, environmental, and structural engineering. My responsibilities included project tracking, reporting, risk assessment, budget monitoring, and safety assurance. I also reviewed and prepared technical documentation, ensuring quality and clarity, and regularly liaised with clients and stakeholders. Additionally, I provided support and guidance to graduate engineers.

Gladstone, 2016 to 2017: Team Leader – Civil Engineering. At GHD in Gladstone, I served as superintendent for water, sewer, and development projects, leading contractor meetings, inspecting works, and assessing documentation. I was the site inspector for multiple raises of the QAL tailings dam walls. As team leader, I managed the civil engineering team's workload and business development, and regularly liaised with council and developer clients.

Mackay, 2010 to 2016: Civil Engineer / Project Manager. At GHD in Mackay, I managed and designed various road systems and urban development projects, also serving as superintendent and inspector. I regularly liaised with TMR, council, and developer clients, managed budgets, prepared bids, reviewed technical documentation, and ensured successful project delivery.

Jan 2008 – Nov 2009 **Drafter** at Project Partners in Runaway Bay preparing architectural and structural drafting services for commercial and residential properties.

SKILLS

- **Project management** including planning and coordination of multi-disciplinary teams and key stakeholders.
- **Advanced civil engineering knowledge** developing concept, detailed design and construction phase solutions.
- **Report writing** and documentation including preparation of professional reports, bids, scopes of work, contracts and specifications.
- **Stakeholder communication** including clear communication channels, regular meeting allocations and presenting to key stakeholders.
- Working in **software suites** such as MS Project, MS Excel, AutoCAD and limited knowledge in design software including 12D, InfoWorks and Civil 3D.
- Interpretation and application of local, state and Australian **guidelines and standards**.
- **Solutions focussed** project delivery approach through problem solving and collaboration.
- **Quality assurance** by stepping through reviews of element capacity, safety, constructability, maintainability, cost, amenity and the environment.

CONTINUED PROFESSIONAL DEVELOPMENT

- Registered Professional Engineer of Queensland (RPEQ) in Civil (and Management until its redundancy by RPEQ).
- Chartered Professional Engineer through Engineers Australia.
- First Aid Course through St Johns.
- Occupational Health and Safety Training (White Card) through Queensland Government.
- Short course attendance through Engineers Australia, local business and external facilitators including pavement design, contract management for Superintendents, stormwater training, project management principles and so on.
- Undertaking part time study in Ancient History at University of Queensland.

INTERESTS

- **History** with a particular focus on ancient history, language development and societal developments. I am currently studying a part time BArts out of interest for the subject.
- **Outdoors** activities including running, landscape and environment photography, longboarding and bush walking.
- **Creative** outlets such as playing music, writing, painting and games.
- **Travel** with a focus on either natural environment or historic landmarks. I have just returned from an overseas trip to Portugal, Spain, Scotland and Ireland.

DETAILED PROJECT SNAPS

The below provides selected detailed project history based on recency, key learnings or relevance. Note, many other projects have also been undertaken but left out for brevity. Further details can be provided on request.

Project: Middle Creek Dam safety upgrade
Client: Mackay Regional Council (MRC)
Role: Superintendent's Representative
Year: 2015
Budget: \$2.5 million
Scope: Superintendent, project management and contract administration services for construction of Middle Creek Dam safety upgrades in Sarina. Included raising the dam wall, lowering the spillway and rectification works.
Tasks:

- Project management and contract administration.
- Regular liaison with Council and Contractor.
- Quality assurance site inspections.
- Recording and assessing correspondence and notices.
- Mediating contract disputes.
- Reviewing and responding to technical engineering enquiries regarding the plans and design documentation.

Outcome: Safer dam system for local community with lowered total volume and refurbished existing structures.

Project:	Red Mud tailings dam embankment raises stage 3 and 5
Client:	Queensland Aluminium (QAL)
Role:	Site Inspector / Quality Assurance
Year:	2016-2017
Budget:	Not available.
Scope:	Provide quality assurance and regular site inspection updates for the Red Mud Dam embankment raises to QAL, Gladstone.
Tasks:	<ul style="list-style-type: none"> • Development of quality assurance framework for QAL. • Regular liaison between the GHD design team, QAL management team and principal contractor. • Weekly site inspections and meetings. • Responding to requests for information. • Developing technical note on outcomes of quality assurance.
Outcome:	Mitigated design and construction issues early including GAWB bulk water supply coordination (lead to further project with GAWB to relocate bulk water pipelines) and operational fleet.
Project:	Springs Road trunk water main (stage 1) upgrade and interim water supply rezoning in Agnes Water
Client:	Gladstone Regional Council (GRC)
Role:	Superintendent
Year:	2016
Budget:	Not available.
Scope:	Superintendent, project management and contract administration services for installation of water supply network upgrades.
Tasks:	<ul style="list-style-type: none"> • Project management and contract administration. • Regular liaison with Council and Contractor. • Quality assurance site inspections. • Recording and assessing correspondence and notices. • Mediating contract disputes. • Reviewing and responding to technical engineering enquiries regarding the plans and design documentation.
Outcome:	Water supply pipelines upgraded for future development in Agnes Water and surrounds.

Project:	5S AN facility stormwater and road works concept
Client:	BMA (BHP Mitsubishi Alliance)
Role:	Project Manager / Senior Civil Engineer
Year:	2024-2025
Budget:	\$750 thousand
Scope:	Developing concept and preliminary designs for the hazardous reestablishment of Ammonium Nitrate facility at 5S including road and stormwater.
Tasks:	<ul style="list-style-type: none"> • Prepared stormwater and pavement designs. • Developed initial sketch layouts including liaison with external structures team, BHP blast team and BHP management team. • Lead liaison with the Client including trade-offs (options) presentation. • Provided direction for team including civil designer and civil drafter. • Prepared a comprehensive options analysis report.

Outcome: BMA was satisfied with the upgraded arrangement however operational constraints put the project on-hold. Continued to provide engineering support in ancillary works around this location.

Project: BESS (Battery Energy Story System) facilities (QLD and NSW)
Client: Samsung C&T
Role: Project Manager / Senior Civil Engineer
Year: 2024-2025
Budget: Not available.
Scope: Tender design of civil works on behalf of Samsung for two BESS sites including provision of services, access and security.
Tasks:

- Liaison with Korean project manager and team.
- Management of two separate design teams for the QLD and NSW sites including civil design, civil drafting, environmental, geotechnical and hydrologic technical staff (approximately 12 people).
- Concept stormwater design of network to lawful point-of-discharge.
- Development of initial services corridors and layout.
- Prepared a tender report including all design and meeting outcomes.
- Prepared bill-of quantities and technical notes.
- Maintained budget and program delivery.

Outcome: Compliant flat-pad solutions in two different environments, optimised layout balancing flood impacts and fill quantity.

Project: James Street (Warrego Highway) East Creek and West Creek culvert upgrades
Client: Department of Transport and Main Roads (TMR), Toowoomba
Role: Project Manager / Senior Civil Engineer
Year: 2018-2019
Budget: \$30 million
Scope: Upgrade of two major culvert systems in Toowoomba including channel works, realignment of services, pedestrian access, road works and a cycle underpass.
Tasks:

- Project management tasks including meetings, resource allocation, regular reporting, client liaison, budgeting and quality assurance.
- Coordination of multi-disciplinary team including structures, civil works, road design, flooding and stormwater design, geotechnical investigation, public utility plant (services), community liaison, electrical and environmental staff (approximately 36 personnel over two projects).
- Liaison with stakeholders including service providers, local government engineering teams, TMR district management and community groups.

Outcome: Culvert systems that are compliant within a 1% to 2% AEP storm event depending on the system loading, improved road and services layout.

Project: Birkdale Community Precinct access road and services
Client: Redland City Council
Role: Senior Civil Engineer / Civil Lead
Year: 2022-2023
Budget: Not available. Overall budget of ~\$300 million.

Scope: Detailed design of access, water and sewer reticulation, electrical corridor, pavement design, cycleway and temporary works for Birkdale Community Precinct.

Tasks:

- Regular liaison with the project manager, Redland City Council and other disciplines.
- Lead technical meetings with Redland City Council.
- Coordinate civil design team and directed other disciplines where necessary.
- Initial calculation of stormwater network prior to input into design software.
- Quality assurance and interface management.
- Preparation of technical reports and presentation.
- On-site supervision of environmental and geotechnical testing as principal contractor.
- Carpark and road network development.
- Liaison with service providers and TMR regarding connection to their respective networks.

Outcome: This was a part of a wider development, of which I was responsible for developing civil master planning requirements.

Project: Mount Lindesay Highway upgrade (North and South Maclean)

Client: Department of Transport and Main Roads (TMR), South Coast

Role: Assistant project manager / Civil Lead

Year: 2017

Budget: ~\$40 million

Scope: Concept to detailed design of Mount Lindesay Highway split into two projects (North and South Maclean).

Tasks:

- Assisted the project manager with project management tasks including meeting minutes, budgeting, record keeping, resource allocation, scheduling and regular reporting.
- Took over role as Project Manager when necessary and allocated.
- Developed standardised reporting.
- Quality assurance review of design and report packages.
- Developed civil works, road works, stormwater works and public utility plant (water, sewer, electrical and telecommunications) in conjunction with civil design team.
- Prepared technical advice for both internal staff and external stakeholders.

Outcome: Safer intersection arrangements along Mt Lindesay Highway for current volume of traffic. Optimisation of services layout and service roads.

Project: Murray Creek Bridge (Rostirollas Road)

Client: Mackay Regional Council (MRC)

Role: Project Manager

Year: 2014

Budget: Not available.

Scope: Detailed design of an M-Lock bridge system to replace the existing low-level causeway on Rostirollas Road.

Tasks:

- Coordination with structural and geotechnical teams.

- Interface with civil design and hydraulic teams.
- Project management activities and quality assurance.
- Preparation of contract documentation and technical notes.
- Regular liaison with MRC.

Outcome: Local community has more consistent access either side of Murray Creek, up to a 10% AEP design event.

Project: Eraring BESS (battery energy storage system) upgrade D&C
Client: Origin Energy
Role: 3rd party reviewer (civil)
Year: 2023-2024
Budget: Not available.
Scope: Quality assurance reviews for civil works, structures interface and services (including water connections and fire storage).
Tasks:

- Quality assurance reviews for civil works, structures interface and services (including water connections and fire storage).
- Reviewing test documentation.
- Liaison with contractor and client.
- Provision of civil engineering and contract management advice.

Outcome: Resolution of engineering and contractual issues for successful construction.

Project: Miriam to Mirani trunk water main and Marian sewer pump stations 1 and 7 construction
Client: Mackay Regional Council (MRC)
Role: Superintendent's Representative, secondment role
Year: 2013
Budget: Not available.
Scope: Construction of ~7km of trunk water mains and two sewer pump stations
Tasks:

- Project management and contract administration.
- Regular liaison with Council and Contractor.
- Quality assurance site inspections.
- Recording and assessing correspondence and notices.
- Mediating contract disputes (particularly difficult negotiations).
- Reviewing and responding to technical engineering enquiries regarding the plans and design documentation.

Outcome: Successful upgrade of trunk water system, upgraded capacity of sewer network.

Project: GFM Portal Access upgrade concept, Mount Isa
Client: Glencore
Role: Project Manager / Senior Civil Engineer
Year: 2024
Budget: \$500 thousand
Scope: Developing concept and preliminary designs for reconfiguring the mining vehicle access arrangements at the underground portal.
Tasks:

- Prepared stormwater designs.
- Developed initial layouts.
- Lead liaison with the Client including stakeholder meetings.

- Provided direction for team including civil designer, civil drafter and environmental staff.
- Investigation into service relocation and requirements.

Outcome: Glencore client was very positive regarding particular safety insights that the team and I developed by reducing conflict points of multi-modal transport, while also increasing efficiency of access.

ADDITIONAL BRIEF PROJECT SNAPSHOT

The following brief snapshots may be expanded upon request:

- **Project Manager:** Options investigation into Hughie Williams Park stormwater, contaminated soil, access and creek corridor upgrades. Brisbane City Council, 2023.
- **Senior Civil Engineer:** Concept development for Cavendish Road (Camp Hill) and Newmarket Road (Newmarket) intersection and pedestrian upgrades. Brisbane City Council, 2023.
- **Project Manager:** Detailed design of On-Road Cycleways upgrades (Southport Nerang Road, Logan Road, Kingston Road and Logan River Road), TMR South Coast, 2018.
- **Acting Project Manager:** M1 / Coomera Connector preliminary evaluation, TMR South Coast, 2018.
- **Assistant Project Manager:** RNA and Breakfast Creek tunnel lighting LED upgrade performance specification, Brisbane City Council, 2017.
- **Client's Engineer (3rd Party Reviewer):** Inner City Bypass D&C upgrade, TransUrban, 2017.
- **Project Manager / Senior Civil Engineer:** Middle Breakwater pavement upgrade including breakwater rectification works, water main upgrade and heavy vehicle hardstand. North Queensland Bulk Ports, 2022.
- **Senior Civil Engineer:** Barkly Highway intersections business case development (five key intersection upgrades), TMR Mount Isa, 2018.
- **Project Manager / Senior Civil Engineer:** Detailed design of East Gordon Street bridge upgrade including refurbishment, approach reconstruction, services rectification, new pedestrian bridges and cathodic protection. Mackay Regional Council, 2014.
- **Site Engineer / Acting Administrator:** Construction phase services for Gateway Motorway / Gympie Arterial flyover bridge strengthening works under live loading. TMR Metro, 2019.
- **Superintendent's Representative:** Foam bitumen stabilisation projects including services upgrades for Celeber Drive, Nicklin Drive, Glenpark Street, Holland Street and Juliet Street. Mackay Regional Council, 2015.
- **Site Engineer:** Kuttabul Mt-Jukes Road reconstruction works, Mackay Regional Council, 2014.
- **Project Manager / Civil Engineer:** Detailed design of the Hill End Road reconstruction. Mackay Regional Council, 2012.
- **Project Manager / Civil Engineer:** Detailed design of the Saltwater Creek culvert crossing at Munburra Road (**Sunwater assets in proximity**). Mackay Regional Council, 2013.
- **Project Manager / Civil Engineer:** Detailed design of the Horse and Jockey Road / Peak Downs Highway intersection including bulk water and rail assets in proximity. Department of Transport and Main Roads, Mackay, 2011.

- **Project Manager / Civil Engineer:** Detailed design of the Hay Point Coal Terminal car park. BMA (BHP Mitsubishi Alliance), 2012.
- **Superintendent's Representative:** Leisure Court Carpark upgrade adjacent Mackay Airport including lighting and drainage development. Mackay Regional Council 2014.
- **Project Manager:** Detailed design of Melba House car park. Mackay Regional Council 2014.
- **Project Manager / Civil Engineer:** Detailed design and construction phase services for electrical substation hardstand. Ergon Energy, 2014.
- **Superintendent:** Construction of Jarvey Drive sewer pump station Stage 2 and Stage 3 sewer rising main. Gladstone Regional Council, Agnes Water, 2016.
- **Civil Engineer:** Feasibility study of the Champion Street upgrade, Pring Depot. Aurizon, Bowen, 2012.
- **Superintendent's Representative:** Construction of the Moranbah Administration Building. Isaac Regional Council, 2013.
- **Project Manager:** Detailed design of Clermont museum building upgrades. Isaac Regional Council, Emerald, 2011.
- **Project Manager:** Detailed design of Caval Ridge and Hay Point various structural works. BMA (BHP Mitsubishi Alliance), 2012.
- **Various support roles:** Planning, design, construction and post-construction works for TMR, MRC, Air Services Australia, FKP, PBPL, BCC, TQ, Shell, NQBP, and Building Asset Services.
- **Various construction phase roles:** Inspection and reporting for BSL temporary raw water mains, Dysart recreational facility Connors Road Hastings Deering, SHS Hay Point caravan park, Palmview retirement village and other developments in Mackay and Gladstone.
- **Proposal development:** Involved, lead and/or wrote many proposals and management plans including tasks, budgets, team allocations and issuing request for information.

More projects and involvement available upon request.

REFEREES

Referee details to be made available upon request. A sample of past referees included below:

- Sharon Denaly (Principal Civil Engineer) – GHD:
M: 0417 003 351
E: sharon.denaly@ghd.com
- Sam Scargill (Project Management Team Lead) – Jacobs:
M: 0430 158 864
E: Sam.Scargill@jacobs.com

Others available upon request.