

# Benjamin PARRY

## Civil Engineer (RPEQ, CPEng, NER, MIEAust)

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**i** TBD with Team Leader

### Summary Statement

Experienced civil engineer and leader with a proven track record in managing complex infrastructure projects, developing asset management strategies, and driving organisational change. Skilled in stakeholder engagement, program delivery, and making insightful decisions in complex environments. Committed to delivering high-quality outcomes that serve the community and enhance infrastructure resilience with long term sustainability in mind.

### CAREER SUMMARY

2023 - Present	<b>Senior Civil Engineer, TMR</b>
2021 - 2023	<b>Senior Civil Engineer, RECOR</b>
2020 - 2021	<b>Project Management Engineer, Pavement Management Services</b>
2018 - 2020	<b>Information Analyst, University of the Sunshine Coast</b>
2016 - 2018	<b>Technical Officer, Noosa Council</b>
2012 - 2016	<b>Project Manager, Vinci / Soletanche-Freyssinet</b>
2010 - 2012	<b>Civil Engineer, Newton Denny Chapelle</b>
2007 - 2008	<b>Undergraduate Engineer, GHD Engineering</b>
2006 - 2007	<b>Undergraduate Engineer, Trackstar Alliance</b>

### PROFESSIONAL CAREER

<b>Present</b> <b>December 2023</b>	<b>Senior Civil Engineer, TMR, North Coast Region</b> <i>State Roads Authority</i> MAINTENANCE, ASSETS & TRAFFIC ENGINEERING TEAM <ul style="list-style-type: none"><li>➤ Leading asset management for bridges and culvert infrastructure in the region, including reviewing and analysing condition and delivering remediation projects within scope and budget.</li><li>➤ Oversee approvals of heavy vehicle permit applications, ensuring compliance with regulations and safety standards.</li><li>➤ Project management duties including planning, supervision, and coordination of engineering works, ensuring compliance with TMR standards, legislation and regulations.</li><li>➤ Implementing structure management plans for assets requiring rehabilitation or monitoring to manage condition based issues.</li><li>➤ Procurement of technical services, contract administration and overseeing delivery through design and construction phases.</li><li>➤ Engagement and collaboration with stakeholders and contractors to ensure positive relationships, best practice and successful value for money outcomes</li><li>➤ Responsible for ensuring quality, communications and environmental aspects of projects works are identified and addressed to ensure effective project delivery</li></ul> <p><b>A/ Principal Engineer (Design - Technical Services) May 2024:</b> Providing leadership to design team, overseeing and reviewing designs, preparation of options analysis reports, assessing NDD, EDD and DE solutions.</p> <p><b>A/ Principal Engineer (Strategic Planning) Dec 2024:</b> Reviewing and providing input around district Major Enterprise and Industry Area context profiles for strategic modelling.</p> <p><b>A/ Principal Engineer (Project Planning) Jan 2024:</b> Preparation of short form link plan and tender evaluation panel for Options Analysis stage of OnQ project.</p> <p><b>A/ Principal Engineer (Assets) April 2025:</b> Team leader role for assets including staff management, reviewing communications and stakeholder engagement material and acting as liaison with other teams on asset related matters.</p> <div><div>Asset Management</div><div>Civil Structures</div><div>Asset Planning</div><div>Project Management</div><div>Leadership</div><div>Program management</div><div>Stakeholder engagement</div><div>Procurement</div></div>
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November 2023 June 2021	<p><b>Senior Civil Engineer, <i>RECOR</i>, Noosa</b> <i>Civil/Structural Engineers &amp; Project Managers.</i></p> <p>CIVIL ENGINEERING TEAM</p> <ul style="list-style-type: none"> <li>➤ Establishment and leadership of the civil engineering discipline within the organisation</li> <li>➤ Managing civil engineering design projects including contract management, financial reporting and delivery</li> <li>➤ Development and implementation of organisation's ISO 9001, 45001 and 14001 management systems and processes</li> <li>➤ Coordinating with wide range of consultants, contractors, clients and councils to successfully deliver engineering projects</li> <li>➤ Liaising with transport modellers and engineers to consider impact of development works in broader network</li> <li>➤ Delivering design and construction of stormwater, earthworks, roads and other infrastructure</li> <li>➤ RPEQ supervision and direction of team of junior engineers and designers</li> <li>➤ Preparation of high-quality, well structured technical engineering reports, documentation and plans</li> <li>➤ Providing project management and engineering services to support Gympie Regional Council around road safety, crash analysis and speed limit reviews.</li> </ul> <p>Civil Engineering Urban Development Leadership Technical Reporting Design &amp; Modelling Project management</p>
June 2021 October 2020	<p><b>Project Management Engineer, <i>PAVEMENT MANAGEMENT SERVICES</i>, Sunshine Coast</b> <i>Specialist engineers in pavement solutions.</i></p> <p>NETWORK PROJECTS TEAM</p> <ul style="list-style-type: none"> <li>➤ Project management for network level projects including requirement specifications, project quality management, logistics coordination, project documentation, financial reporting and contract management</li> <li>➤ Modelling pavement deterioration and developing capital works programs</li> <li>➤ Pavement pathology and condition assessments, technical analyses and reports</li> <li>➤ Leading investigation and research into AI based technologies including preparation of technical paper on potential organisational risks and opportunities</li> <li>➤ Engagement and liaison with various stakeholders and clients</li> </ul> <p>Project Management Deterioration Modelling Condition analytics Roads &amp; Pavements Design Technical Reporting Asset planning Leadership Stakeholder engagement</p>
October 2020 July 2018	<p><b>Information Analyst, <i>UNIVERSITY OF THE SUNSHINE COAST</i>, Sunshine Coast</b> <i>Australian University</i></p> <p>STRATEGIC INFORMATION AND ANALYSIS TEAM</p> <ul style="list-style-type: none"> <li>➤ Responsible for income Forecasting models, undertaking data analysis and reporting, and liaising and submitting government reporting</li> <li>➤ Preparation and modelling to track university performance and executive reporting</li> <li>➤ Submission of estimates to Australian Government for Commonwealth funding</li> <li>➤ Collaborating with Marketing teams, department heads and executive to assess trends and build market intelligence</li> <li>➤ Developing ad-hoc tools in Python, R and SQL to transform and use data</li> <li>➤ Requirements analysis and stakeholder engagement to develop and build advanced reports to respond to internal business needs</li> </ul> <p>Analysis Reporting Financial Forecasting Stakeholder engagement</p>
July 2018 July 2016	<p><b>Technical Officer, <i>NOOSA COUNCIL</i>, Noosa</b> <i>Local Council for the Noosa Shire</i></p> <p>ASSET MANAGEMENT TEAM</p> <ul style="list-style-type: none"> <li>➤ Engagement with operational and capital works departments to compile 5 year pavement reseal program and find efficiencies with major projects team.</li> <li>➤ Tender preparation and evaluation for service procurement</li> <li>➤ Steward for pavement data and management of pavement deterioration modelling and programming.</li> <li>➤ Risk based modelling and analysis of stormwater network inspection</li> <li>➤ Preparation of the Asset Information Management Strategy.</li> <li>➤ Engagement and collaboration across departments to deliver change management during transition to asset management focused business processes.</li> <li>➤ Works liaison in Noosa Council Disaster Management Coordination Centre.</li> <li>➤ Implemented disaster information collection process for NDRRA funding arrangements.</li> </ul> <p>Asset Management Asset Planning Deterioration Modelling Program Management Disaster Recovery Procurement</p>

March 2016 October 2012	<p><b>Project Manager (Asset Management), VINCI SA- SOLETANCHE-FREYSSINET, Paris, France</b>  <i>Global construction company with expertise in specialised building, civil, hydraulic, and electrical engineering</i></p> <p>ASSET SOLUTIONS TEAM</p> <ul style="list-style-type: none"> <li>➤ Leading international projects delivering asset management solutions, inspection and maintenance manuals and structural instrumentation for civil and structural infrastructure.</li> <li>➤ Managing client meetings, requirements specification, planning and resourcing, overseeing design and development, delivery and training, sub-contractor management, financial reporting</li> <li>➤ Preparation of Maintenance and Inspection plans for bridges, tunnels, highways and water networks as well as undertaking structural inspections and non-destructive testing</li> <li>➤ Coordinating development of infrastructure management systems to meet client requirements</li> <li>➤ Delivering presentations, and coordinating and leading workshops and training sessions with clients</li> <li>➤ Specification and delivery for structural monitoring data capture instruments and analysis of outputs</li> <li>➤ Commercial representation at conferences, and preparation of offers and bid submissions</li> <li>➤ Trained in Project Management in accordance with PMBOK and PRINCE2</li> </ul> <p>Project Management   Leadership   Stakeholder engagement   Contract management   Civil Engineering  Asset Management   Structural Inspections   Technical Reporting</p>
October 2012 March 2010	<p><b>Civil Engineer, NEWTON DENNY CHAPELLE, Lismore</b>  <i>Town Planning/Civil Engineering/Surveying consultancy for industrial, residential and commercial developments.</i></p> <p>CIVIL ENGINEERING TEAM</p> <p>Undertaking preliminary and detailed engineering analyses and designs for urban development of residential, commercial and industrial projects in various council regions.</p> <ul style="list-style-type: none"> <li>➤ Preparation and submission of technical engineering reports to support development applications and construction certificates</li> <li>➤ Negotiating development approval conditions and requirements on behalf of the client</li> <li>➤ Stormwater modelling and design using MUSIC, CivilCAD and XP-RAFTS and preparation of design plans and documentation</li> <li>➤ Intersection traffic modelling using SIDRA</li> <li>➤ Analysis of geotechnical, traffic and survey data to carry out civil design including subdivision, earthworks, road alignments, stormwater and services using CivilCAD</li> <li>➤ Ensuring conformity with all relevant standards and regulations in design, and site supervision of construction to ensure as per designs</li> <li>➤ Collaborating and liaising with town planners, surveyors, contractors and local councils</li> <li>➤ Structural design for retaining and drainage structures</li> </ul> <p>Civil Design   Urban Development   Stormwater Modelling   Road &amp; Pavement Design   Earthworks   Traffic Studies  CivilCAD   MUSIC   XP-Rafts   SIDRA   Site Supervision   Technical Reporting</p>

## EDUCATION

2016-2018	Graduate Diploma in Data Science (Accelerated), <b>Monash University</b>
2009	Exchange to <b>L'Institut National Polytechnique de Grenoble</b> , France, Final project in the Laboratoire des Ecoulements Géophysiques et Industriels (LEGI).
2004-2009	Bachelor of Engineering (Civil)/Bachelor of Arts (Spanish, French) - first class honours, <b>University of Queensland</b> , St Lucia.

<b>Leadership &amp; Change Management</b>	Proven ability to manage teams and resources to deliver projects on time and to specifications. Successfully led change management including organisation wide asset management practices. Establishment & implementation of organisational ISO management systems for Quality, Environment and Health and Safety.
<b>Project &amp; Program Management</b>	Agile project management, and trained in Vinci PM+ project management: commercial offers, negotiating contractual issues, planning, risks analysis, tracking project budgets, personnel, time & quality management. Undertaking program management of networks of assets including roads, pavements, drainage and civil structures across multiple years. Familiarity with OnQ project framework.
<b>Stakeholder Engagement</b>	Skilled in engaging with diverse stakeholders in complex and challenging environments. Able to communicate ideas and decision making processes clearly and logically to ensure collaboration and teamwork, or convey technical information to various stakeholders.
<b>Civil Engineering</b>	Civil engineering design for urban developments including roads, stormwater, earthworks and associated infrastructure for design and construction of subdivision, residential, commercial and industrial development. Understanding of traffic and transport planning principles, land-use integration, level of services concepts, demand generation and traffic modeling. Road safety and speed limit reviews. Environmental and sustainability impacts in projects.
<b>Asset Management</b>	Preparation of asset inventory manuals, inspection and maintenance plans for strategic and operational asset management for highway concessions and local government road and stormwater networks. Deterioration modelling for bridges and pavement. High level condition modelling and analysis and program management. Whole of life costings, value for money and cost-benefit analyses.
<b>Reporting</b>	Financial and performance reporting to management and executives, preparation of project documentation for large-scale, international projects, preparation of project experience returns to ensure insights transferred to both management and peers. Preparation, evaluation and response to tenders.
<b>Analytics</b>	Data capture, cleansing, integration and use through statistical analysis and visualisations to provide insights and decision making aids with focus on risk management.
<b>Software</b>	<ul style="list-style-type: none"><li>&gt; <b>Engineering and CAD software</b> (12D, AutoCAD, MUSIC, DRAINS, AutoTurn, TUFLOW)</li><li>&gt; <b>Enterprise systems</b> (3PCM, Microsoft SQL, Access, Office, Project, Excel, ERPs, Technology One)</li><li>&gt; <b>GIS</b> (QGIS, ArcGIS)</li><li>&gt; <b>Programming languages</b> (R, Python, vb.net)</li></ul>