Benjamin PARRY

Civil Engineer

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📍 3 River Esplanade, Mooloolaba 4557, QLD
ℹ Available at 2 weeks notice period with current employer

Summary Statement

Having worked in a wide range of civil engineering domains, I have a unique range of skills and experience that I'll use to bring value to any organisation. I have experience working in civil engineering consultancies both in Australia and abroad, including delivering urban development projects and carrying out preliminary and detailed engineering designs and construction supervision of stormwater, roads and services for residential, commercial and industrial developments. I have also carried out structural inspections for bridges and tunnels, prepared inspection and maintenance programs for concession highways and bridges, and prepared deterioration models for highways and structures. I am currently working to complete my professional registration and becoming chartered within the near future, as my goal is to be able to use these skills to deliver projects of lasting value that contribute positively to my local community.

⟳ CAREER SUMMARY

2020 - Present	**Project Manager Engineer**, *Pavement Management Services*
2018 - 2020	**Information Analyst**, *University of the Sunshine Coast*
2016 - 2018	**Technical Officer**, *Noosa Council*
2012 - 2016	**Project Manager**, *Soletanche-Freyssinet*
2010 - 2012	**Civil Engineer**, *Newton Denny Chapelle*
2007 - 2008	**Undergraduate Structural Engineer**, *GHD Engineering*
2006 - 2007	**Undergraduate Structural Engineer**, *Trackstar Alliance*

💼 PROFESSIONAL CAREER

Present October 2020	Project Manager Engineer, PAVEMENT MANAGEMENT SERVICES, Sunshine Coast *Specialist engineers in pavement solutions.* NETWORK PROJECTS 〉 Project management for network level projects including requirement specifications, project quality management, logistics coordination, project documentation, financial reporting and contract management 〉 Modelling pavement deterioration and capital works planning 〉 Preparing condition based technical analyses and reports 〉 Investigation and research into AI based technologies and leading preparation of technical paper on potential 〉 Interpretation of condition data and provision of advice to clients Project Management · Deterioration Modelling · Roads & Pavements · Technical Reporting · Asset Management
October 2020 July 2018	Information Analyst, UNIVERSITY OF THE SUNSHINE COAST, Sunshine Coast *Australian University* STRATEGIC INFORMATION AND ANALYSIS UNIT 〉 Responsible for the Student Load and Income Forecasting model, undertaking data analysis and reporting, and liaising and submitting government reporting 〉 Preparation and modelling of income forecasts, tracking university performance and executive reporting 〉 Submission of estimates to Australian Government for Commonwealth funding 〉 Collaborating with Marketing teams to assess trends and build market intelligence 〉 Developing ad-hoc tools in Python and R to transform and use data 〉 Requirements analysis and development to build PowerBI reports to respond to internal needs SQL · Excel · Python · Power BI · Financial Forecasting

July 2018 July 2016	**Technical Officer, Noosa Council, Noosa** *Local Council for the Noosa Shire* Asset Management team

> - Consultation and liaison with operational and capital works departments to compile 5 year pavement reseal program.
> - Responsible for pavement survey data integration and pavement deterioration modelling in SMEC.
> - Modelling and analysis of risk-based stormwater network inspection prioritisation model to help coordinate inspection campaigns.
> - Preparation of the Asset Information Management Strategy to structure data collection processes used in the organisation to collect consistent and valuable asset and works data, and integrate with other departments.
> - Building confidence in asset management across the organisation by working with engaging all with all departments providing awareness sessions.
> - Works liaison in Noosa Council Disaster Management Coordination Centre.
> - Implemented disaster information collection process for the National Disaster Relief and Recovery Arrangements for disaster funding and presentation of process at Technology One Local Government conference.

Asset Management | Deterioration Modelling | Reseal Program | Excel | QGIS

March 2016 October 2012	**Project Manager (Asset Management), VINCI SA- Soletanche-Freyssinet, Paris, France** *Global construction company with expertise in specialised building, civil, hydraulic, and electrical engineering* Advitam Group

> - Negotiating and leading international projects in delivery of asset management solutions, inspection and maintenance manuals and structural instrumentation for civil and structural infrastructure.
> - Managing simultaneous projects: client meetings, specification, planning and team organisation, overseeing design and development, delivery and training, sub-contractor management, financial reporting
> - Preparation of Maintenance and Inspection plans for bridges (Normandy, Vasco de Gama, Rion-Antirion), tunnels (Duplex A86), highways (PR1Bina, Aegean Motorway) and water networks (Tucson Water, Great Man-Made River Project) as well as undertaking structural inspections and non-destructive testing
> - Coordinating development of infrastructure management systems to meet client requirements
> - Delivering presentations, and coordinating and leading training sessions with clients
> - Specification and delivery for structural monitoring data capture instruments and analysis of outputs
> - Commercial representation at conferences, and preparation of offers and bid submissions
> - Trained in Soletanche-Freyssinet Project Management system (PM+)

Project Management | Civil Engineering | Inspection & Maintenance Design | Asset Management | Structural Inspections
Site Supervision | Technical Reporting

October 2012 March 2010	**Civil Engineer, Newton Denny Chapelle, Lismore** *Town Planning/Civil Engineering/Surveying consultancy for industrial, residential and commercial developments.* Civil Engineering team

Undertaking preliminary and detailed engineering analyses and designs for urban development of residential, commercial and industrial projects in various council regions.

> - Preparation and submission of technical engineering reports to support development applications and construction certificates
> - Negotiating development approval conditions and requirements on behalf of the client
> - Stormwater modelling and design using MUSIC, CivilCAD and XP-RAFTS and preparation of design plans and documentation
> - Analysis of geotechnical, traffic and survey data to carry out civil design including subdivision, earthworks, road alignments, stormwater and services using CivilCAD
> - Ensuring conformity with all relevant standards and regulations in design, and site supervision of construction to ensure as per designs
> - Collaborating and liaising with town planners, surveyors, contractors and local councils
> - Structural design for retaining and drainage structures

Civil Design | Urban Development | Stormwater Modelling | Road & Pavement Design | Earthworks | Traffic Studies
CivilCAD | MUSIC | XP-Rafts | SIDRA | Site Supervision | Technical Reporting

⬧ EDUCATION

2016-2018	Graduate Diploma in Data Science (Accelerated), **Monash University**
2009	Exchange to **L'Institut National Polytechnique de Grenoble**, 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, **University of Queensland**, St Lucia.

☰ SKILLS

Civil Engineering
Civil engineering design for urban developments including roads, stormwater, subdivisions, and retaining structures for development applications and detailed construction certificate plans. Preparation of asset inventory manuals, inspection and maintenance plans for strategic and operational asset management for highway concessions. Deterioration modelling for bridges and pavement.

Project Management
Agile project management, and trained in Freyssinet PM+ project management (PMBOK equivalent): commercial offers, negotiating contractual issues, planning, risks analysis, tracking project budgets, personnel and time management, quality management. Led delivery of up to 5 simultaneous projects, up to €250,000 with profit margins of 30%.

Leadership
Managing teams of 3-4 to deliver projects on time and to specifications. Successfully led change management including organisation wide asset management practices, implementation of supervision and reporting structures, and disaster management data collection processes to meet both internal and external requirements. Selected to represent Noosa Council at Local Government Management Associations Leadership Challenge in 2017.

Communication
Successful work history with people from diverse disciplines and backgrounds in both national and international environments. Able to communicate ideas clearly and logically to ensure efficient teamwork. Part of a team that won the Vinci Innovation Prize for International Dissemination for software developed through collaboration with multiple clients

Reporting
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. Development and implementatin of reporting dashboards and executive reports for clients. Presenting project updates and delivering training sessions to clients and their sub-contractors, with largest involving 100 sub-contractors

Analytics
Data capture, cleansing, integration and use through statistical analysis and visualisations to provide insights. Developed risk model for storm water pipe infrastructure based on environmental and land use factors, as well as physical characteristics of pipe to optimise inspection campaigns.

Software
> **Engineering and CAD software** (Civil CAD, AutoCAD, SIDRA, MUSIC, XP-Rafts, STRAND7)
> **Enterprise systems** (Microsoft SQL, Access, Office, Project, Excel, ERPs, Technology One)
> **GIS** (QGIS, ArcGIS)
> **Programming languages** (R, Python, vb.net),
> **Web development** (Silverlight, html5),

🌐 LANGUAGES

English	● ● ● ● ●
French	● ● ● ● ○
Spanish	● ● ● ○ ○

✚ OTHER INTERESTS

> Climbing, Running, Surfing, Lifesaving
> Travel, Languages
> Piano, Woodwork