

# Civil Design and Modelling Engineer

## OPPORTUNITY

Due to substantial growth and demand within the Australian infrastructure sector supporting the building and construction, energy, and mining industries, Ainira Industries is currently seeking applicants for Civil Design and Modelling Engineer to join our growing organisation headquartered in Melbourne, Australia.

We are an international sustainability and infrastructure powerhouse with a diverse range of assets and operations. We have offices on four continents, over 220 highly skilled staff, and maintain a steady line of upcoming projects in the building & construction and infrastructure arm of the business.

## JOB DESCRIPTION

Through the projects we design, develop, commission, and operate we are building long term relationships with our customers, delivering highly scalable solutions and services that make a real difference to all our stakeholders. As Ainira continues on its evolution of innovation and growth, the best people are critical to our success in supporting our clients and catering to market requirements.

Reporting to the Engineering Manager Infrastructure, the Civil Design and Modelling Engineer will be working through an assigned portfolio that encompasses roads, drainage and other civil infrastructure. You will undertake engineering investigations and develop designs with limited supervision and assist project manager and senior engineers for design projects to facilitate timely delivery of capital works programs.

## RESPONSIBILITIES

- Undertaking necessary planning, investigations, and concept development of planned infrastructure capital projects
- Preparing detailed designs for roads, drainage and other civil infrastructure as per the Investigations and Design process within estimated time and budget
- Undertaking the concept and detailed design using 12D, AutoTURN, and AutoCAD programs, and in accordance with Company's Investigations and Design process
- Ensuring that designs are completed in accordance with acceptable engineering standards and, where applicable, to the requirements of relevant government authorities
- Checking and assessing design and survey information received to ensure that it is technically accurate and sufficient for the specific project
- Liaising with Project Managers in the preparation of civil design projects and assessing the works prior to submitting to the Senior Civil Design Engineer and Coordinator Investigations and Design
- Liaising with statutory authorities as required, and reviewing plans in accordance with Investigations and Design Procedures to ensure completion within timely manner
- Preparing and checking civil construction estimates with limited supervision, specifications and quantities as well as those prepared by trainee/work experience engineers or student interns
- Assessing project briefs and ensuring all investigations and design process have been completed with limited supervision to ensure to meet the project outcomes

- Keeping abreast of engineering practices, Australian Standards, Austroads Guides, Engineering Design Specifications, and WHS Act and WHS regulations
- Assist the Coordinator Investigations and Design for managing Design Project using the best practiced project management methodology based on global best practice and trends
- Using and sharing your CAD and 12D knowledge with other members of the design team to enhance and expand the Investigations and design services capabilities
- Having a clear understanding and putting into practice the contents of Investigations and Design Services Quality System in compliance to AS/NZS and ISO9001
- Follow Company's policies and procedures when carrying out work to ensure risks are managed; report all incidents, risks and issues to Management on a timely manner
- Produce Drainage, WSUD and OSD Systems, Hydraulic Modelling, conduct flooding reports, and ensure all engineering design and specifications are built to the highest standards

### **SKILLS and ABILITIES**

- Bachelor's degree in Building & Construction, Civil Engineering, Construction Management or related field
- Proven experience in preparation of design documentation and cost estimates for multi-disciplinary projects including roads, stormwater, footpath, traffic facilities, cycleways, and other civil assets
- Ability to read and interpret construction plans, blueprints, and technical drawings, and proven experience in AutoCAD, Civil 3D/12D and Drains
- Strong project management expertise, and the ability to manage multiple projects simultaneously, and adhere to project timelines and quality requirements
- Demonstrated high degree of initiative and attention to detail, alongside high level professional and technical design skills including problem-solving, project costing and budgeting
- Sound written and verbal communication, negotiation, organisational and interpersonal skills, including the ability to liaise with technical and non-technical staff/stakeholders at all levels
- Excellent knowledge of legislation, regulations, design standards, and code of practice relating to the design, construction, management, and Occupational Work and Safety of civil based project
- Ability to work in a fast-paced environment and adapt to changes in project requirements, both independently and as part of a team to achieve project goals

### **COMPENSATION**

The Company offers a competitive compensation and benefits package.

### **APPLY**

Click "Apply" below or use form in the Contact section – quote the reference number HR-IFR-0023. Only the shortlisted candidates will be contacted. Thank you for your interest.

Recruitment agencies, please note that no agency candidates will be accepted.