



delonix
SOLUTIONS

Civil Engineering

Delonix Solutions offers a comprehensive array of multidisciplinary Civil Engineering Services, uniting a wealth of skills and experience to deliver cutting-edge engineering solutions for even the most intricate and demanding challenges.

BULK & DETAILED EARTHWORKS DESIGN

Delonix Solutions is a premier provider of bulk and detailed earthworks design, with a specialised focus on mining and non-process infrastructure projects. Our expertise ensures that projects are designed to a high level standard, cost-effectively and in harmony with the environment.

CIVIL CONSTRUCTION MANAGEMENT

As an EPCM company, our team's expertise in Civil related projects extends to providing support for Civil Construction Management, Contract Administration, and Project Management. This enables us to deliver practical and innovative solutions, provide technical support and value to clients through cost savings and improved efficiency.

PAVEMENT DESIGN ENGINEERING

Delonix Solutions offers pavement design, tailored to the specific requirements of each project. This includes Mining and Infrastructure projects.

HYDROLOGICAL & HYDRAULIC MODELLING

Our team conducts in-depth hydrological and hydraulic modelling to predict and manage water flows. This includes undertaking and reporting on simulated storm events against existing and designed environments and collaboration.

ON-SITE DETENTION MODELLING & DESIGN

Our skilled Engineers and Designers have the ability to assist/ manage in developing and designing on-site detention infrastructure which helps manage stormwater. We strive to promote water-sensitive urban design principles that reduce the impact on local and greater ecosystems.

ROAD DESIGN ENGINEERING

Our team specialises in designing roads for both mining and infrastructure environments, ensuring safe and efficient transportation systems.

EROSION & SEDIMENTATION MANAGEMENT

We are dedicated to environmental stewardship and offer comprehensive solutions for erosion and sedimentation management to safeguard natural resources and prevent environmental degradation. This includes the calculations, sizing, and design of Sedimentation Ponds.

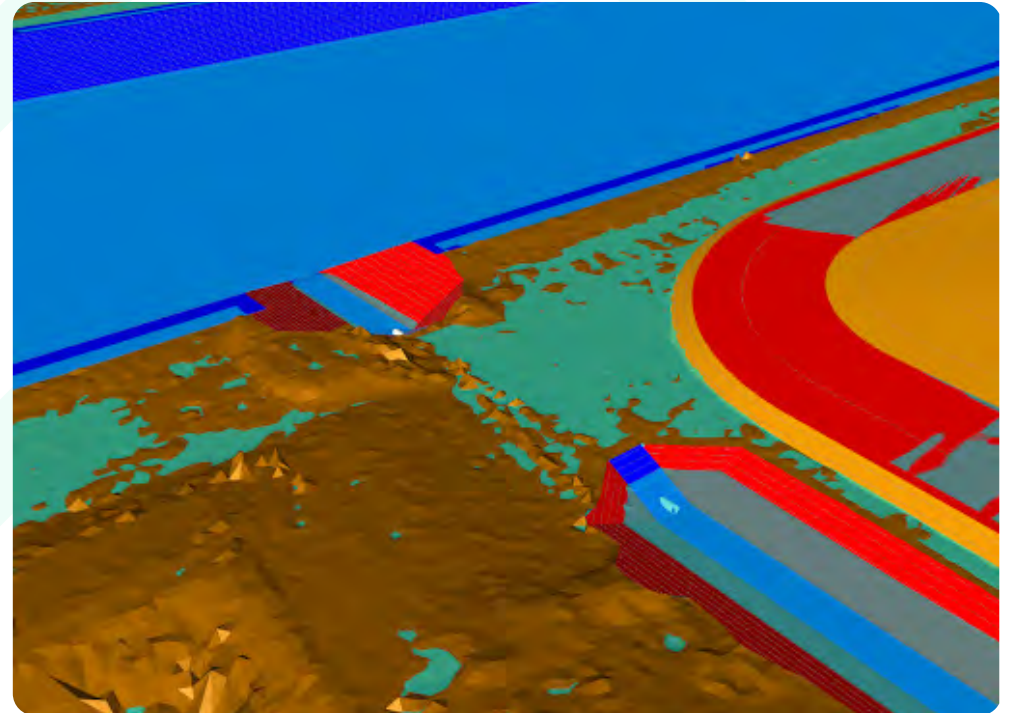
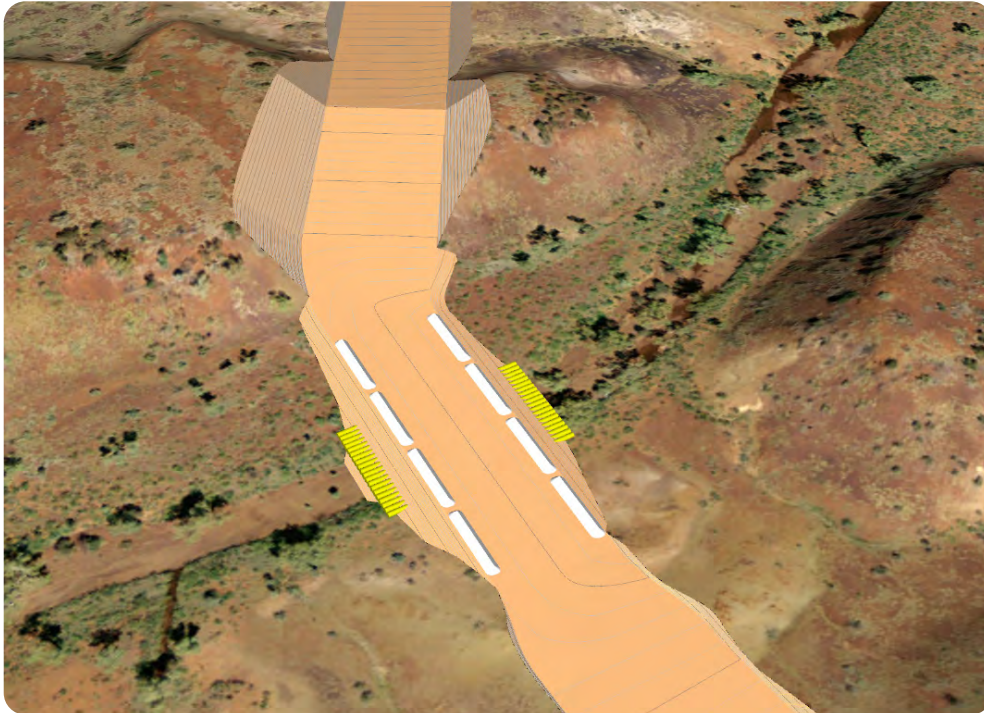
FLOOD MODELLING & STUDIES

Delonix Solutions offers expertise in flood studies, enabling clients to better understand and mitigate the risks associated with flooding, with a focus on safety. This includes undertaking and reporting on simulated rainfall events to predict anticipated waterflows, velocities and depths.

DESIGN OF HYDRAULIC STRUCTURES AND CULVERTS

We are skilled in the design of hydraulic structures and culverts, ensuring the efficient and sustainable management of water resources. This includes evaluating loads on pipes to determine the necessary strength of scanned infrastructures.

As a testament to our commitment to excellence and adaptability to the distinctive requirements of the Mining, Resourcing, and Public sectors, Delonix Solutions has earned a strong reputation in Civil Engineering. We are your reliable partner in accomplishing project goals efficiently and responsibly, empowering clients, including renowned industry leaders such as Pilbara Minerals, Northern Star Resources, Lynas Rare Earths, First Quantum Minerals, and Atlantic Lithium, to operate with enhanced efficiency, safety, and sustainability.



GOT A PROJECT? CONTACT US.

Contact **Delonix Solutions** today to learn more about our Civil Engineering services and how we can help you achieve your goals.

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goingfurther