

# Temporary Works Design

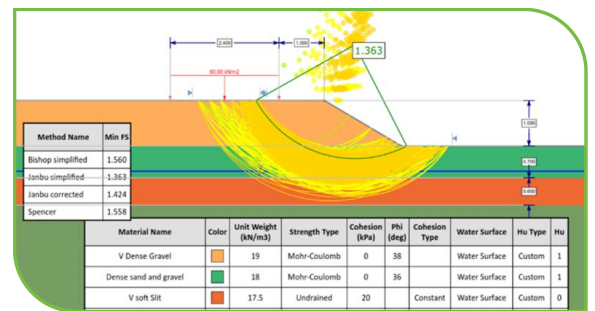
Poorly planned temporary works pose a considerable risk to a project. At WML we conduct thorough investigations and work with our clients to develop pragmatic temporary works designs to reduce the geotechnical risk and ensure the safe execution of a project.



Treendale

## Slope and Excavation Stability

If your project requires temporary excavation or over steepening of a slope, we can provide designs, recommendations and certification for the works. We provide temporary work designs including temporary grouting, soil nails, earthworks reinforcement and more.



## Working Platforms for Cranes and Piling Rigs

From investigation through to certification, we are experts in providing working platform assessments for cranes and piling rigs. We routinely conduct investigations and analysis that provides bearing capacity, settlement and slope stability analysis for temporary lifting platforms. If necessary, we can provide reinforced pad designs for large crane lifts on soft ground, near steep slopes and watercourses.



Hutton Rd

## Retaining Wall and Shoring Design

Our team has a wealth of experience in designing temporary ground shoring systems and retaining walls including anchored retaining walls, sheet piles, soldier piles, secant or tangent piles and struts utilising grouting techniques if required.

## Control of Surface and Groundwater

WML conducts dewatering investigations, hydrogeological investigations and can provide acid sulphate soil (ASS) and dewatering management plans.

## Recent Projects

WML conducts numerous temporary works crane lift designs for Rail and Road Bridges for Main Roads, Mining and Rail Operators



Roelands

**Stephenson Avenue Extension Project, Perth**  
Highly loaded cranes and piling rigs and deep excavations, sheet piles in very problematic soils including landfill and soft peat deposits.  
Project value \$191M

**Mitchell Fwy Extension Project, Perth**  
The temporary works designer for highly loaded cranes, piling rigs and grouted excavation works.  
Project value \$232M

**Armadale Line Upgrade including Elevated Rail**  
Crane and gantry crane work platform design and service protection for the elevated rail line.  
Project Value \$2B