



Contact

e: nick@hanseneng.com.au

m: 0407 625 843

Qualifications & Affiliations

- RPEQ (Civil)
- CPEng (Civil)
- MIEAust
- NER
- BEng (Civil)

Skills

- Highways/roads design
- Civil infrastructure
- Design Management
- Project Management
- Contract Administration
- Construction Verification
- Independent Verification

References

Ben Stewart - 07 4421 4819

Townsville Office Leader
Arup

Lee Hudson - 0413 146 370

Associate Principal
Arup

Nick Ryan - 07 4951 8541

Project Manager
TMR (Mackay)

Harpal Singh-Samra - 07 4421

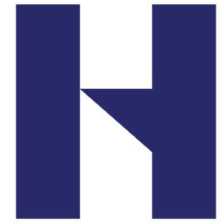
8700
Contract Administrator
TMR (Townsville)

Nick Hansen

RPEQ, CPEng, MIEAust, NER

Senior Civil Engineer

Hansen Engineering Group



Nick has worked on a variety of civil infrastructure projects over the past seven years and has gained a wealth of experience spanning multiple large-scale civil design and construction projects, requiring road, earthworks, pavement and drainage design. His working history includes the complete spectrum of project phases, with a dependable ability to successfully deliver planning / conceptual project designs through to construction finalisation.

Proficient in civil engineering and coordination of design teams, Nick enjoys identifying the optimum solutions for his projects through challenging individual project scenarios and elements of design. He is adept at considering the project as a 'whole' whilst also analysing interdisciplinary inputs to coordinate successful project outcomes.

Nick's experience covers all regions of Queensland, having been a core team member and leader in delivering many successful projects across the State.

Nick prides himself on achieving the highest level of quality and providing support to his clients.

Project Experience

Hamilton Plains Flood Immunity Upgrade - \$21M

Civil engineering and design management of a 1.5 km flood prone Proserpine-Shute Harbour Road upgrade, including significant culvert structure upgrades. Being the main road into Airlie Beach and surrounded by cane farms, the project faced traffic, stakeholder, and cane rail complexities, including an upgrade to the cane rail level crossing through the site.

Dohles Rocks Road Northern Connections - \$1B+

Project management, 15% detailed design and detailed Business Case writing of a 6.0 km corridor upgrade to the Bruce Highway (M1 motorway) from Dohles Rocks Road interchange to Anzac Avenue interchange. This planning project included two major interchange upgrades, a widening of the motorway from six to twelve lanes, and a new offline/greenfield arterial road corridor. Nick was the Assistant Project / Design Manager and Civil Lead.

Blackrock Creek and Palm Tree Creek Bridge Replacements - \$10M

Detailed design of the replacement / rehabilitation of two aged bridges along the Bruce Highway between Mackay and Proserpine. Nick delivered and certified the Issued for Construction civil / road realignments and contract documentation.

Bruce Highway Safety Upgrade, Hechts Road to Easter Creek - \$27M

Detailed design of the 7.0 km Bruce Highway upgrade including intersection upgrades and a new set of offline overtaking lanes. Nick was the Project Manager and delivered and certified the Issued for Construction civil / road realignments and contract documentation. Nick also provided technical support throughout construction.

Butchers Creek Bridge Replacements - \$10M

Detailed design of the replacement of an aged bridge along the Burke Developmental Road east of Cloncurry. Nick delivered and certified the Issued for Construction civil / road realignments and contract documentation. Nick also provided technical support throughout construction.

Bruce Highway Safety Upgrade, North of Ingham Safety Package, Tranche 2A - \$40M

Preliminary design and Business Case writing of a 14.0 km Bruce Highway safety upgrade between Ingham and Cardwell Range. Nick undertook the road alignment and civil design and delivered the successful Multi Criteria Assessment and Business Case identifying a preferred solution for this corridor.

North Queensland Stadium / Queensland Country Bank Stadium - \$300M+

Planning, concept design, detailed design and construction phase support of this major precinct upgrade in Townsville's CBD. Nick delivered multiple packages of design works whilst undertaking civil construction inspections for bulk earthworks, sewerage, drainage, road / intersection / active transport infrastructure over three years.

North Coast Pavement Rehabilitation - \$10M

Nick developed multiple pavement rehabilitation packages throughout the Sunshine Coast main road network from a concept into detailed design deliverables, including for construction documentation. This included drawing sets, schedule of quantities, specifications and design reporting per individual package, with each package requiring unique civil engineering detailing to ensure coordination with the relevant site constraints were met.

Rising Sun Precinct - \$10M

Nick delivered the Multi Criteria Assessment and Business Case reporting for the road network upgrade around the Rising Sun Precinct in Townsville. This evolved into a package of works for construction delivery, which Nick Project Managed and delivered the construction documentation for. Nick also provided technical support throughout construction.

Enterprise Street Intersection Upgrade - \$8M

Concept design and detailed design of the Ingham Road / Enterprise Street intersection upgrade in Townsville's industrial precinct. Nick was the Project Manger and delivered the construction documentation for this upgrade, including development of the multiple pavement designs for the intersection. Nick also provided technical support throughout construction.

Gold Coast Highway (Harbour Town) Intersection Upgrade - \$10M

Detailed design of the Harbour Town intersection Upgrade in the Gold Coast. Nick delivered the detailed design drawing package.

Florence Street Intersection Upgrade - <\$5M

Detailed design of two intersection upgrades along Florence Street in Cairns' CBD. Nick delivered the detailed design drawing package.

Barkly Highway Narrow Cuttings - \$16M

Nick delivered the Multi Criteria Assessment and Business Case reporting for multiple narrow cutting widenings along the Barkly Highway.

Cape River Bridge Replacement - \$20M

Detailed Design of a 200 m bridge structure and several major culverts west of Charters Towers. Nick developed the pavement designs and delivered the civil contract documentation.

Townsville Northern Intersection Access Upgrade - \$Unknown

Detailed design of multiple intersection upgrades along the Bruce Highway for Townsville's northern access. Nick delivered the civil contract documentation.

Bruce Highway Safety Package, Lochinvar Road to West Barratta Creek - \$10M

Detailed design of a Bruce Highway pavement strengthening and widening between Townsville and Ayr. Nick developed the pavement designs and delivered the civil contract documentation.

Bruce Highway Safety Package, Allendale Drive to Alligator Creek - \$10M

Detailed design of a Bruce Highway pavement strengthening and widening at Alligator Creek (Townsville). Nick delivered the civil contract documentation.

Archer Street Intersection Upgrade - \$Unknown

Detailed design of a main road intersection upgrade into the Townsville Port. Nick developed the pavement designs and delivered the civil contract documentation.

Aurizon South Yards Consolidation- \$Unknown

Design and construct for Aurizon's consolidation of their rail yard to Stuart, Townsville. Nick assisted with the design documentation, undertook civil construction inspections and assisted with technical RFI's.