



<b>Name:</b>	ONTRACK Project 605 OHL	<b>Client:</b>	KiwiRail Group
<b>Specifying Authority:</b>	KiwiRail	<b>Site Location:</b>	Wellington Rail Network
<b>Value at Completion:</b>	Approx \$35million	<b>Year Completed:</b>	Completion in 2011

**Project Description:**

Norfolk O'Donnell Griffin Rail was awarded a contract in December 2008 for the refurbishment of the electrical Overhead Lines within the Wellington Electrified Rail Network.

The contract originally comprised of approximately 160+kms of track and subsequently expanded in scope to include new double tracking and electrification from McKays Crossing to Waikanae, approximately 30km of additional track.

There are 8 crews undertaking the works who operate during evening, weekends and public holidays to ensure minimum disruption to the network operations. All work is undertaken from specially designed and adapted EWP's to run on rail, road and rough terrain.

**Technical Highlights:**

- Replacement of existing wooden structures with new steel poles and portals including the concrete foundations
- Changing the attachment of the overhead lines from a fixed anchor system to a balanced weighted tension system
- Installation of some 200+kms of new 203mm<sup>2</sup> aluminium feeder cables throughout the network

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- Expansion of capability within the project providing ONTRACK with Isolation and Earthing duties and Rail Protection duties which involve the supervision and control of diesel freight and passenger train movements through worksites.

## Environmental Initiatives:

The Norfolk project team is committed to operating its activities in an environmentally sustainable and responsible manner, we achieve this by:

- Operating in compliance with KiwiRail, Wellington Regional Council and local council environmental bylaws and regulations
- Implementation of appropriate procedures to manage potential risk to the environment
- Manage employee and subcontractor awareness of their environmental obligations through on site education and training
- Investigate all environmental incidents and initiate remedial action to prevent recurrent incidents

## Health and Safety Requirements

The project's number one focus is its commitment to Health, Safety & Environmental Compliance (HSEC). Undertaking such an extensive project in an environment with operating trains and electrical hazards, project and personal safety disciplines must be of the highest standards and continually maintained at all times.

Throughout, our Health and Safety philosophy has been based upon ethical conduct, integrity, mutual trust and teamwork. To ensure continuous improvement, we are continually challenging, testing, re-evaluating and continually striving to raise the standard of our health and safety practices. We ensure our employees have the best possible equipment and procedures to undertake the tasks. The heart of our safety program is our vision "to achieve zero harm and injuries"

## Personnel:

Project Manager: Rex Mason

Project QS: Tim Barrett

Project HSEC Manager: Wayne Arnott

Site Supervisors: Mick Stegnjaic, Jordan Pascov, Tony Flaherty, Martin Nicholas

Designers: KBR and ONTRACK