



South Street, Grange Avenue, Vine Street and Garfield West Intersections (Photo Supplied by RMS)

DEVELOPER : Roads & Maritime Services
MAIN CONSTRUCTION COMPANY : Burton Contractors Pty Ltd
PROJECT VALUE : \$135 million

LIFE IN THE FAST LANE

Roads and Maritime Services is upgrading Richmond Road from Bells Creek Bridge, Colebee to the South Creek floodplain so it can meet the future transport needs of the North West Priority Land Release Area. The road is being widened from two lanes to four lanes with provision for six lanes in the future. The development of the North West Priority Land Release Area means Richmond Road needs to be upgraded as precinct development occurs.

Benefits

- Increased capacity for future traffic growth
- Improved safety for motorists by the construction of a central median to separate opposing traffic
- Improved safety for cyclists and pedestrians with an off-road shared path
- Improved travel times for motorists and access for road freight in Sydney's north west
- Improved public transport links with bus priority measures at traffic lights
- Improved access to the future North West Priority Land Release Area precincts along Richmond Road

Stage 1 – Complete

The \$39 million Richmond Road Upgrade to widen the ride from two to four lanes, with the capacity to expand to six lanes in the future. Richmond Road between Bells Creek and Townson Road was opened to traffic by the New South Wales Minister for Roads and Freight, Duncan Gay in July 2014.

Roads and Maritime constructed new traffic lights at Townson Road and Alderton Drive located at the new intersection for Colebee and the Sydney Business Park to reduce traffic congestion. Designated turning lanes, as well as bicycle and pedestrian crossings at traffic lights have also been installed to improve safety.

A 3m wide, off-road shared pedestrian/cyclist path on the western side of the road has also been built with space on the eastern side of the road for another path in the future.

Stage 2 – In Progress

This \$96 million project between Townson Road and Elara Boulevard will see Richmond Road widened to four lanes with an off-road shared path

for pedestrians and cyclists on the western side of the road. Northbound lanes were opened to traffic in November 2015 between Townson Road and Elara Boulevard. Construction is now focused on Southbound lanes between Garfield Road West intersection and Elara Boulevard.

Roads and Maritime is constructing new traffic lights at Quarry Road, South Street, Vine Street and at Garfield Road West intersections to reduce traffic congestion. Designated turning lanes, bus priority lanes as well as bicycle pedestrian crossings at traffic lights will also be installed to improve safety. Stage 2 is expected to be completed by late 2016.

Stage 3 – In Planning

The future upgrade of Richmond Road Stage 3 is from Elara Boulevard to the South Creek floodplain at Marsden Park. Stage 3 will take place as neighbouring development progresses. Roads and Maritime will keep the community updated as detailed design progresses and advise when work is planned to start on Stage 3.

Proposed Road Network Strategy: North West Priority Land Release Area

The New South Wales Government is funding the development of a road network strategy in response to the North West Priority Land Release Area which is expected to expand by about 200,000 residents in the next 20 to 30 years.



Grange Avenue Intersection (Photo Supplied by RMS)

The proposed strategy identifies the need for five grade-separated crossings of the Richmond Railway line at Burdekin Road (north of Quakers Hill Parkway), Westminster Street Bridge, Garfield Road, Bandon Road and Schofields Road.

For more information contact Roads & Maritime Services, 27 Argyle Street, Parramatta NSW 2150, phone 1800 631 531, website www.rms.nsw.gov.au

Aqua-Assets Pty Limited

Sydney: (02) 9708 0800
Newcastle: (02) 4940 0410
Email: enquiries@aquaassets.com.au
www.aquaassets.com.au



Asset Training

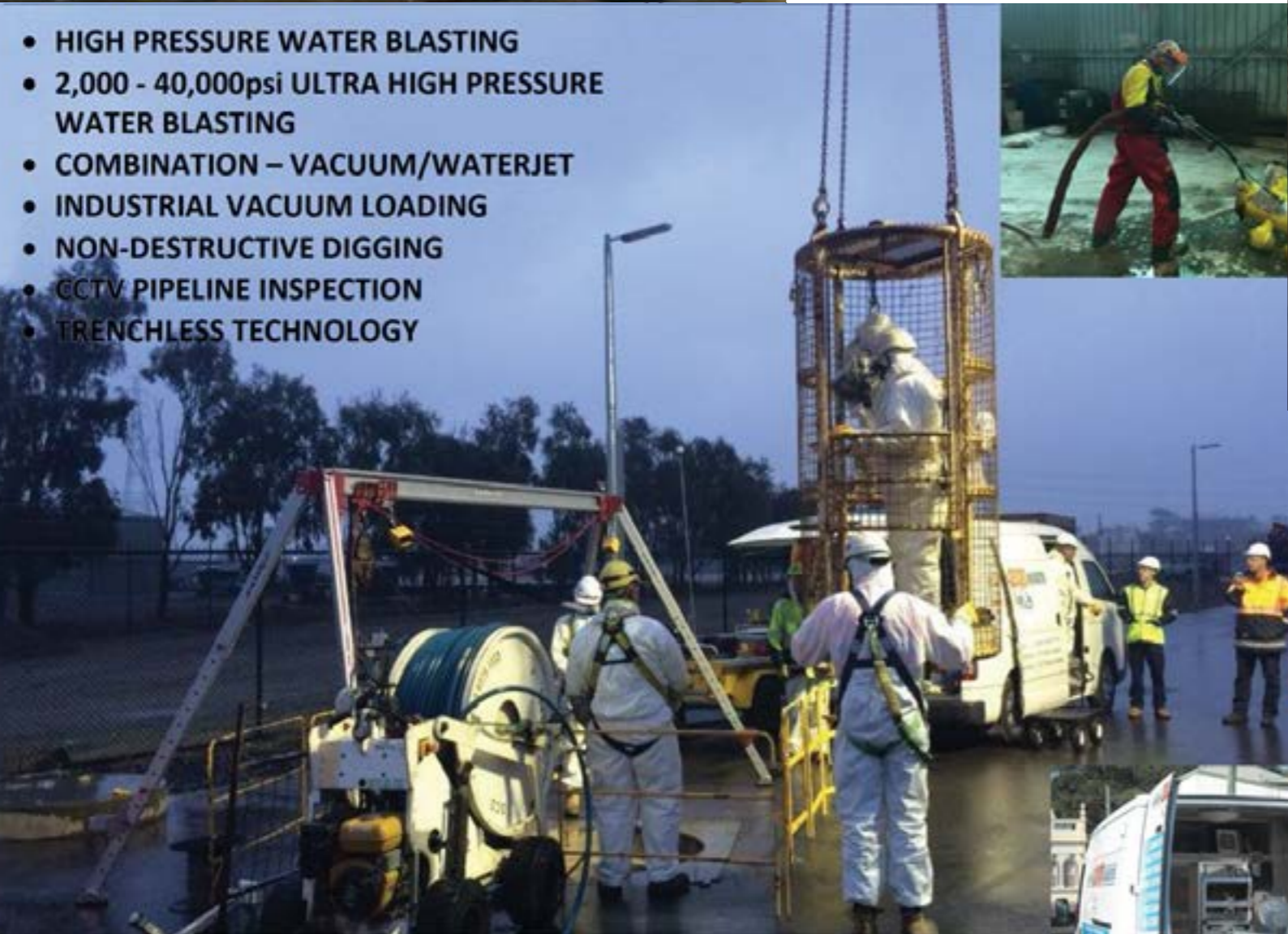
Asset Training is a Division of Aqua Assets
RTO Code: 91255
Email: info@assettraining.com.au
www.assettraining.com.au

- HIGH PRESSURE WATER JET OPERATOR
- HIGH PRESSURE WATER JET ASSISTANT
- CONFINED SPACE ENTRY (1 & 2 days)
- CONFINED SPACE REFRESHER
- WHITE CARD – General Construction Induction
- FIRST AID
- CPR
- WORKING SAFELY AT HEIGHTS

- Industrial Cleaning Solutions
- Environmental Solutions
- Emergency Response
- Waste Management



- HIGH PRESSURE WATER BLASTING
- 2,000 - 40,000psi ULTRA HIGH PRESSURE WATER BLASTING
- COMBINATION – VACUUM/WATERJET
- INDUSTRIAL VACUUM LOADING
- NON-DESTRUCTIVE DIGGING
- CCTV PIPELINE INSPECTION
- TRENCHLESS TECHNOLOGY



STEELING THE SHOW

New South Wales based steel specialist Total Steel, supplied a number of road plates for the Richmond Road project. The steel plates were cut to size using the company's high-definition plasma machine in its Smeaton Grange facility in Sydney. The plates are placed over roadways under construction or being rebuilt so that traffic including heavy vehicles can safely travel over them. "Plasma cutting makes for a precise cut and is quicker to process than oxy cutting," says State Manager, Graham Tripp.

Catering for both small and large scale jobs for their customers, Total Steel stock steel ranging from small pallet size off-cuts to 3m x 9m stock plates. They stock 250 and 350 Grade steel along with Q&T plates for the purpose of many applications such as the floor of trucks, sheet metal fabrication and car trailers. "The 350 Grade steel is more structural and ideal for truck bodies," Graham describes.

"Steel plates are a main part of the business. We're a leading supplier of mild steel – 250 and 350 grades and Q&T plate and these are some of our best product," explains Graham. "Total Steel can process plates from a template, digitally processing the design to custom-make it precisely," says Graham.

Total Steel set up four decades ago, originally establishing themselves in New South Wales. It has five purpose-built distribution warehouses and steel processing specialist facilities including premises setup in

Melbourne, Perth, Brisbane and Darwin that supply to the mining, construction, engineering and general fabrication industries.

Each branch focuses on regional needs and caters to their own unique market requirements and guarantees on-time delivery with each warehouse offering a diverse range of products such as quenched and tempered plates, mild steel plates, sheet and coil as well as the full range of RHS, black and galvanised pipe and merchant sections including flats, rounds, square and channel.

One of Total Steel Sydney's recent projects was creating a 6m high 'bogan man' for the Nyngan shire.

For more information contact Total Steel, 46 Anzac Avenue, Smeaton Grange NSW 2567, phone 02 4648 8111, fax 02 4647 8011, email sydney@totalsteel.com.au, website www.totalsteel.com.au

Don't risk it



Protect your assets



You could gamble without protection for a long time and never have an issue, but one targeted hit could cause you a tonne of pain.

After nearly a century of experience in security, we've learned the average business wastes 50% of their security spend. Too much protection limits your mobility, too little protection leaves you exposed, and one size does not fit all.

That's why at Southern Cross Protection we always begin with a site risk assessment. We analyse your vulnerabilities and compare those against your threats, considering the impact of potential incidents and their likelihood. Then we recommend intelligent solutions that will give you no more and no less than the level of protection that will get your organisation hitting 6's, safely!

Any good comprehensive security solution must meet four objectives. First, it must **deter** anyone from wanting to cause you harm, so we deploy perimeter protection, display signs, conduct security patrols.

Second, a good security solution must **detect** an intruder who penetrates defences and for this the right surveillance is critical. We use well-engineered alarm systems combined with virtual patrols to give our 24/7 operators instant situational awareness.

Third, a good security solution must **delay** the intruder, make it difficult for them to get what they want.

Finally it must **respond** to an event with enough time to protect your assets, we will dispatch a patrol car to investigate and contact police as required. And of course, a solution you can't afford is no solution at all, so we'll always recommend treatments or actions within your budget.

Don't get caught with a low-blow! Protect yourself, visit sxprotection.com.au/dontriskit or call 1300 136 102.

visit sxprotection.com.au/dontriskit or call 1300 136 102

READY TO EXCAVATE

Readyvac has carved a niche along the East Coast of Australia by providing non-destructive digging and service location. They offer a diverse range of civil construction services.

The company has trucks ready to excavate in suburban areas, tight job sites, right up to large construction sites for faster, high volume extractions. Their core values of safety, supreme customer service, reputation and environmental awareness has lead Readyvac to become a respected and established non destructive digging company.

Readyvac was formed five years ago by Managing Director Matthew Spaninks, as a result of years of experience in the plumbing, drilling and construction industries. Due to the scale of locating underground services, Readyvac successfully overcame challenges in excavating the Richmond Road project. "Readyvac located services at the beginning of the project, throughout works and also recently cleaned out the stormwater pits and construction waste from the catchment area," said Matthew.

The company's current projects include the Westmead Hospital Carpark Upgrade, the Wyong Road and Pacific Highway Upgrades on the Central Coast and ongoing works for Burton Contractors.

For more information contact Readyvac Pty Ltd, 66 Farm Road, Riverstone NSW 2765, phone 1300 764 753, mobile 0414 949 739, email info@readyvac.com.au, website www.readyvac.com.au



South Street Intersection (Photo Supplied by RMS)