



A ROAD WELL TRAVELED

DEVELOPER : Main Roads WA
MAIN CONSTRUCTION COMPANY : Georgiou
CONSTRUCTION VALUE : \$51 million

The Roe Highway and Kalamunda Road Interchange involves the design and construction of a grade separated intersection which includes a new bridge, roundabouts, on and off ramps, a shared path for pedestrians and cyclists, along with other supplementary works, and provisions for future extensions.

In July 2019 infrastructure giant Georgiou was awarded the \$51 million D&C contract for the new interchange at High Wycombe. One of the last signalised intersections on the Roe Highway, the intersection upgrade was needed to keep the traffic flowing around Perth's outer suburbs.

The Roe Highway links the Kwinana Freeway to the Great Northern Highway and the new work will improve access to the industrial area, which included lowering the Roe Highway by 9m to pass beneath Kalamunda Road. Provision has been made for future extensions of the road network with new drainage, noise mitigation barriers and street lighting installed, and 4kms of 'missing link' PSP (principal shared path) for pedestrians and cyclists was built.

"It was a big excavation project," said Project Manager, Jackson Lingwood. "We removed 725,000 tonnes of surplus and made a 4-lane highway ready for future expansion to 8-lanes. We self performed the earthworks and pavement construction, all the Water Corporation

work too and laid 2.8km of mild steel concrete pipe. There are many authorities and standards that have to be dealt with on such a large civil project and the onsite challenges involved coordinating the build with the underground and overhead services. It's also very busy working in the live environment with 50,000 vehicles a day passing through."

With a precast department in Hazelmere, Georgiou provide precast elements for bridges, carparks, housing options and other modular solutions. "We made 12 concrete T-roff beams for the bridge, each weighing 110 tonnes and 30m long, at our precast facility 2km from the site," said Jackson. "We also made the precast arches for the tunnels on the PSP"

All road plant and equipment operating at Kalamunda are owned and operated by Georgiou and with up to 30 onsite during peak periods. Georgiou also aims to spend 2% of their project cost with Indigenous organisations. "Georgiou along with other companies, are seeking to increase this number and at the moment we're tracking ahead of target."



Established in 1977, Georgiou provides a comprehensive construction service from design through construction and project management for commercial, retail and government building projects. With inhouse design teams and offices in Western Australia, New South Wales and Queensland, Georgiou are able to manage the entire building process, from feasibility studies through design and value management to delivery.

Georgiou delivers on a wide range of complex civil projects and across a variety of sectors including residential and commercial developments, health, retirement and aged care as well as education. Industrial projects include works for the mining industry, oil and gas, defense, water and agriculture.

A string of awards won by Georgiou is testament to the quality of their work. In 2020, the company was the winner of the Civil Contractor

Federation Earth Awards (QLD) for their work at Green Bridge. In 2019, they were repeatedly recognised for the quality of work done at the Mandurah Bridge Replacement Project, including the MBA Excellence in Construction Awards (WA) for Best Project and for Best Civil Engineering Works. The project also picked up the Concrete Institute of Australia's National award and a High Commendation at the National Australian Institute of Building Professional Excellence in Building Award for infrastructure. The project is set for completion in mid-2021.

For more information contact Georgiou, 68 Hasler Road, Osborne Park WA 6017, phone 08 9200 2500, email wa@georgiou.com.au, website www.georgiou.com.au

Below Autosweep utilised their extensive fleet to complete road sweeping and dust suppressant services on the project.



Autosweep are Perth's leading industrial sweeping contractors with a fleet of trucks and full time operators available for street and site cleaning, sweeping and dust suppression services.

With over 30 years experience Autosweep specialise in road sweeping, removing all dust and debris to leaving a clean surface ready for road building. From the end of 2019 Autosweep had a truck and operator working full time onsite at Kalamunda Interchange.

“We cleared and cleaned the road surface ready for laying the asphalt and then swept again before the emulsion went down. We swept the site to keep the area clear of debris and had a tanker spraying water to keep the dust down,” said Operations Manager, Josh Camp.

Josh brings years of experience working with roads authorities in Western Australia to Autosweep. “Working the different areas of the site was the challenge and it took planning to meet the demands of the project including nightwork, ensuring environmental standards were met and working restricted hours.”

Autosweep have a well maintained fleet ready for large scale jobs and emergency response with mechanical boom street sweeper scrubbers

and regenerative air sweepers equipped with sprayers to loosen particles and brushes to gather debris for vacuum removal.

As a preferred Local Government operator and Autosweep often provides their services to councils sweeping local roads, kerbs and gutters, carparks and community infrastructure. Autosweep service many shopping centres around Perth sweeping public areas as well as loading docks. Industrial jobs include scrubbing and sweeping hardstand floors in workshops, warehouses and factories leaving clean and safe working environment that easily satisfies WH&S requirements.

Previous work includes the Karel Avenue upgrade at Leeming in Western Australia, a \$24 million road building development completed in late 2020. Autosweep were also contracted at the massive \$134 million Armadale Road to North Lake Road bridge project with Main Roads WA, BG&E and Laing O'Rourke.

For more information contact Autosweep, 6 Anvil Way, Welshpool WA 6106, phone 08 9258 8070, email info@autosweep.com.au, website www.autosweep.com.au