

# SGS PROVIDING COMPLEX PAVEMENT ENGINEERING FOR REID ALEXANDER INTERCHANGE PROJECT IN AUSTRALIA

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In May, 2011, Abigroup awarded SGS a contract to provide comprehensive pavement engineering on an on-going basis for the Reid Alexander Interchange, a road design and construction project within the cities of Swan and Stirling located in the northern metropolitan suburbs of Perth. SGS is to perform periodic surveys as a sub-contractor to assess the performance of the newly constructed highway.

## **SGS AWARDED PAVEMENT ENGINEERING CONTRACT BY ABIGROUP**

Main Roads of Western Australia chose Abigroup, one of Australia's leading engineering and construction contractors, for the construction of an interchange at Reid Highway and Alexander Drive to accommodate heavy traffic and improve highway safety.

The traditional diamond layout includes two separate bridges intended to route traffic from Reid Highway over Alexander Drive. Alexander Drive was widened providing bus lanes in each direction and two southbound right turn lanes onto Reid Highway heading west.

**SGS**

To assess the performance and ensure the quality of the newly constructed highway interchange, Abigroup searched for a reliable, independent testing company and found SGS Australia. Impressed with its experience and expertise in similar projects, Abigroup hired SGS as a sub-contractor to execute periodic pavement surveys as part of pavement engineering services.

### **SGS PAVEMENT ENGINEERING SERVICES**

During the just after construction phase of the contract, SGS measured the top layer of the road for rideability and roughness properties by comparing the acquired and processed data with the contract specification limits. Drawing on extensive expertise and competence

in the construction sector, highly-skilled SGS professionals provided a wide-ranged portfolio of pavement performance assessment services including FWD deflection, roughness survey and rutting, the application of a digital multi-laser profilometer (DMLP) and skid resistance measurements according to the British Pendulum Tester together with other visual inspections to detect any surface unevenness or pavement failure.

SGS will conduct periodic pavement assessments for the Reid Alexander Interchange at one year and again at three years after construction as well as carry out a final survey seven years later to end the correction period phase. To guarantee top quality and premium performance of the newly constructed highway, SGS inspection

and assessment equipment is regularly updated to incorporate state-of-the-art technologies compliant with national and international regulatory standards and requirements.

In addition, SGS experts provided and will continue to supply Abigroup with rapid and comprehensive monitoring and reporting of services and issue prompt conformance reports for final approval. Because of help from SGS, construction of the Reid Alexander Interchange is being continually and thoroughly inspected and tested to assure the superior quality and safety standards required of a modern highway.

SGS is particularly pleased to assist in this project of paramount importance reducing traffic congestion and safety risks for Australian motorists.



### **CONTACT**

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