

# Albany Highway – Major Highway Upgrade



**Case Study**  
GCM15-001

**Year**  
2015

**Client**  
Main Roads WA  
WA Stabilising

**Site/Location**  
Albany Highway SLK 60

**Region**  
Wheatbelt, WA

**Scope**  
Highway Reconstruction

**Area**  
280m x 20m = 5,600m<sup>2</sup>

**Total Production**  
7580 m<sup>3</sup>

**Rock Type**  
Laterite

**Rock Hardness**  
< 50MPa

**GET Consumption**  
47 bcm/pick

**Completion Time**  
16 days

**Safety**  
Zero LTIs

## PROJECT SUMMARY

Main Roads WA (MRWA) through WA Stabilising contracted Global Civil and Mining (GCM) to assist with the reconstruction of a section of Albany Highway in the Wheatbelt region of Western Australia.

This section of Albany Highway included a crest in the road that had for years been considered a serious safety issue because it obstructed visibility for overtaking. The project scope was to add a passing lane and lower the vertical alignment of the crest by up to 1.3m at the highest point, thus improving the sight distance and providing the regulated sight distance required for safe overtaking. Albany Hwy is an important regional link and two of the project objectives were:

- To keep at least one lane open at all times; and,
- To minimise disruption to traffic;

GCM mobilised a Wirtgen 2200 Surface Miner (2200SM) to progressively lower the crest of the existing Highway, directly adjacent to the open highway, in layers of 300mm. This enabled the work to be carried out with minimal disruption to traffic.

In addition the 2200SM was able to selectively separate spoil material from material that was suitable for use in the pavement layers in the widening areas. This resulted in significant cost saving to MRWA due to a large reduction in haulage costs, both to the spoil area, some 30km away and the basecourse borrow pit area, some 57km away.

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