

Coolibah Plains, 694 Comet downs Road, Comet Queensland 4072

Initial Survey/Scope of Works

The initial survey for this works package was client supplied due to the remote location. The client has a large-scale sorghum wheat operation (+ 20000 hectares) which requires a road train capable weighbridge to be on site and operational.

The client's installed weighbridge had become inaccurate, and not able to be re-calibrated. Upon investigation, the 500mm x 500mm x 4000mmL bearing beams supporting the load cells have been found to be subsided/undermined by approximately 15mm. The 15mm subsidence was measured via dumpy level and supplied by client. Upon physical inspection of the weighbridge by Slab Jack Industries, the affected beams were found to be -12mm & -14mm from datum.

Proposed Solution

The client required a solution that was capable of accurately re-levelling the 40000kg weighbridge, to within a +/- 5mm tolerance. Other factors to be considered were asset downtime and longevity of repair.

Slab Jack Industries proposed raising and re-levelling the bearing beams using Contite Slab Lift. Through careful analysis of supplied information and the clients clearly communicated requirements, the criteria for success was to be measured against the following benchmarks;

- Levelling the affected beams longitudinally to within 5mm tolerance
- Stabilising the beams using Contite PUE500/501
- Asset downtime of 48 hours
- Physical testing of weighbridge for operational accuracy post works

Outcome

Upon completion, the weighbridge was tested operationally and found to be accurate and fault free.

The bearing beams were surveyed again using Zip Level Pro and found to be within 2mm tolerance, exceeding client expectation and requirements by over 100% Asset downtime 12 hours

Client is available for reference, please contact Slab Jack Industries for details



Photographs

Weighbridge before, note deflection on bearing beams under load cells (especially rear most)





Weighbridge





Weighbridge

