

Infrastructure Repair and Maintenance Using Pressure Grouting

Pressure Grouting will;

- Reinstate structural support
- Restrict erosion / undermining of structures
- Fill unwanted voids
- Re-Level slabs
- Minimise disruption associated with removal & replacement of concrete
- Extend the life of structures

The following is a gallery of grouting applications



Void Below Relieving Slab



Gateway Bridge

The busiest bridge in Qld was able to remain open, while grout was injected through the side to re-support the relieving slab

Gateway Bridge



before



void



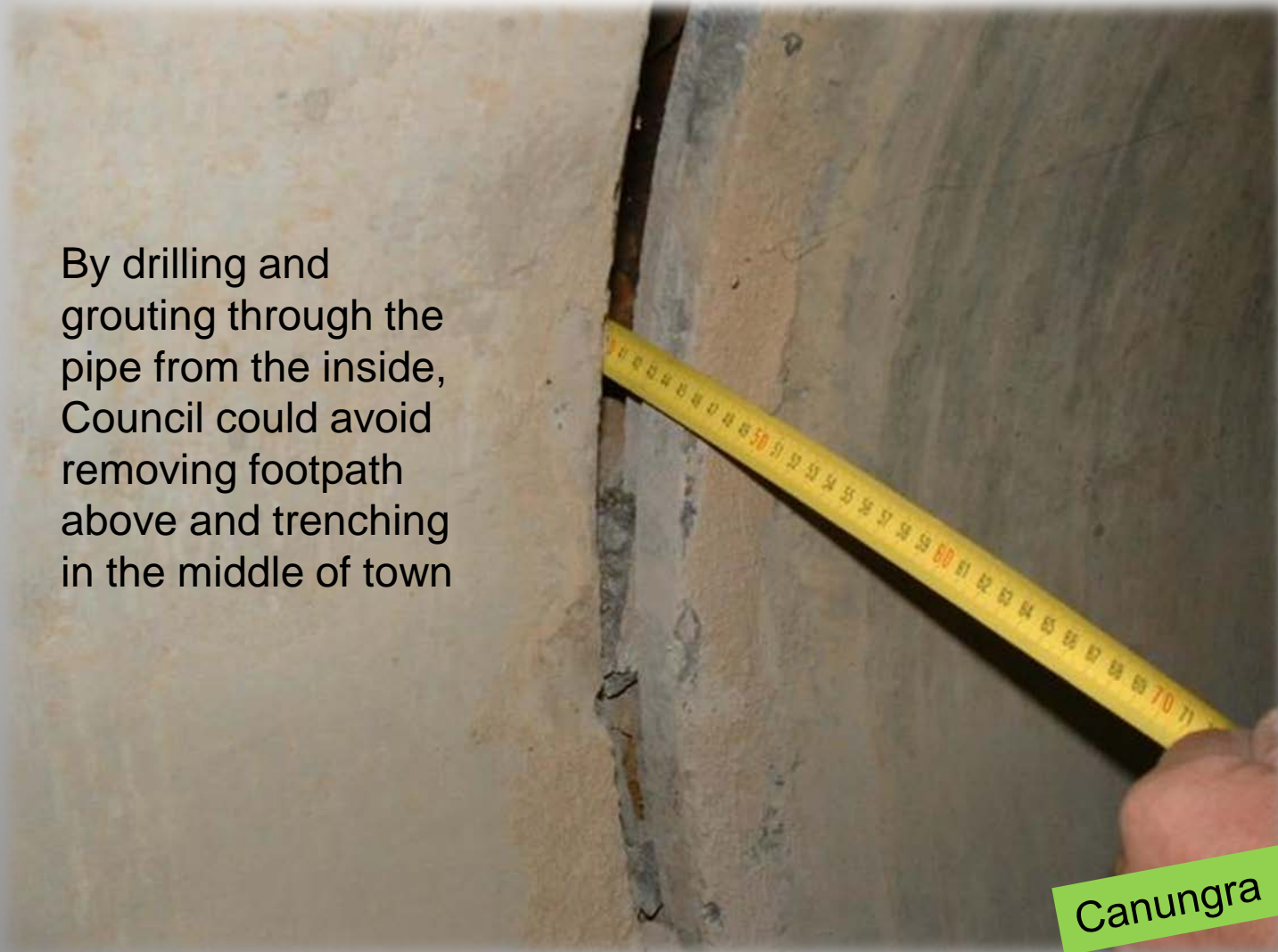
during



after

Void Behind Stormwater Pipe

By drilling and grouting through the pipe from the inside, Council could avoid removing footpath above and trenching in the middle of town



Canungra

Stormwater Drain Rupture



Concerned about the in-ground pool behind the retaining wall, micro fine cement was injected into the sand below the wall to prevent potential subsidence prior to backfilling

Agnes Water

Void Below Culvert



Drilling & grouting
was performed
inside the culvert
to avoid road
closure

Sunshine Coast
Hinterland

Void Below Bridge Abutment

Logan Motorway

Grout was pumped into the void to fill scour path and prevent removal & replacement of stone pitch batter

Void Propagation Along Culvert



Loss of fines from scour



Erosion paths were grout injected

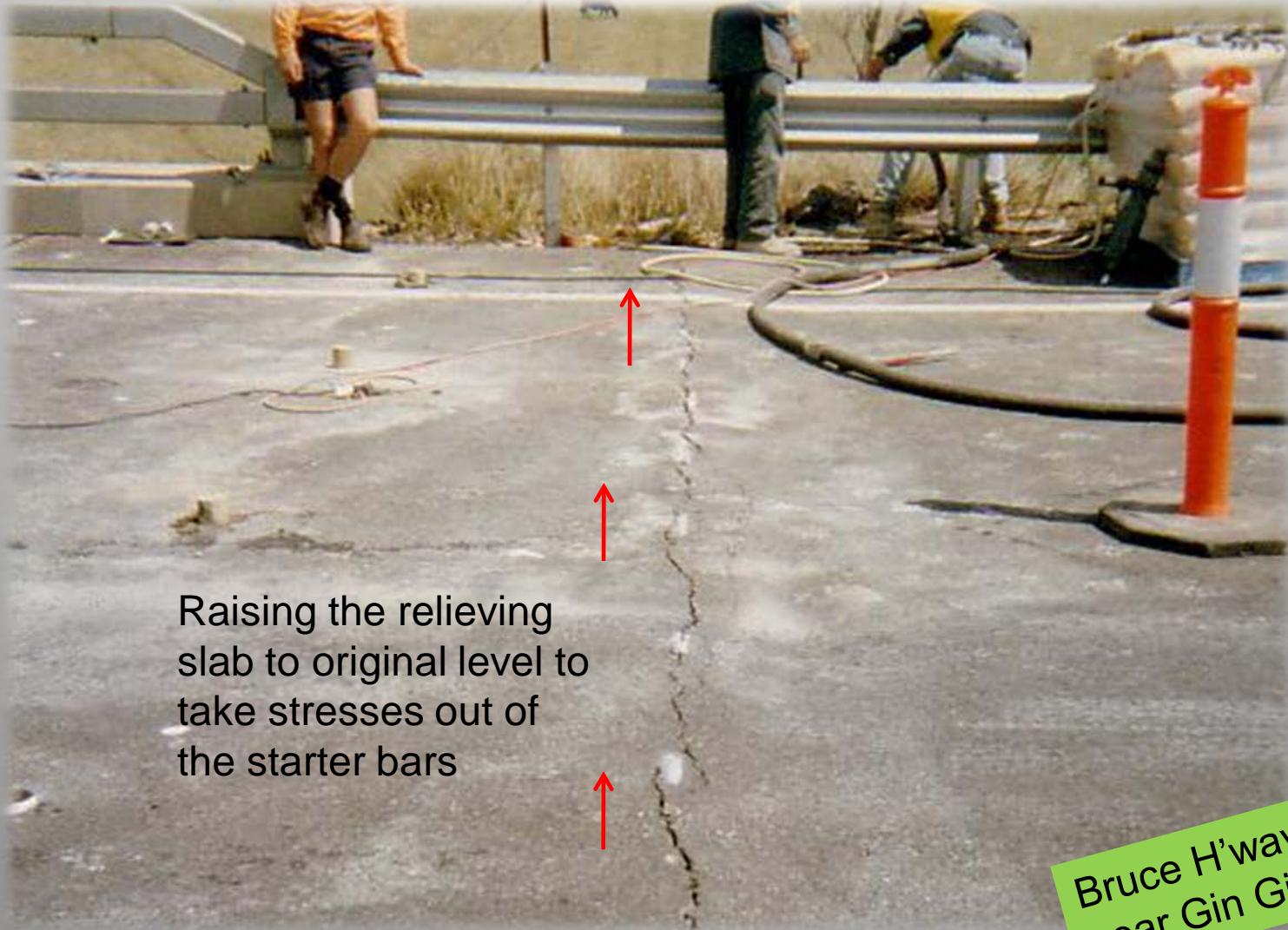
Re-Support Floodway Slabs



Prolong the life of floodway structures by Grout injecting voids caused by flooding

Outside
Cloncurry

Re-Level Relieving Slabs



Raising the relieving slab to original level to take stresses out of the starter bars

Bruce H'way near Gin Gin

Re-Level Pavements

Before

After (Option 1)



Trucks have to drive over this slab to enter the complex.
Option 1 Re-level by grout injection and open to traffic within hours
Option 2 Remove & replace slab, cease trading to wait a minimum 3 days for curing before opening to traffic

Carole Park

Re-Support Culvert



Culvert base re-supported with grout injection, avoiding replacement of the structure, and remained open to traffic

Town of 1770



Prevent Failure of Revetment Mattress

Undermined revetment due to flood



Grouting in progress. Completed just before the next big wet that threatened to destroyed the culvert



Kowanyama

Other Services we Provide

- Foundation Grouting
- Solidify Sands using Micro Fine Cement →
- Epoxy Crack Injection
- Machine Base Grouting
- Annulus Grouting
- TR (Thermal Resistivity) Grouting of Conduits
- Industrial Pavement Maintenance



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