



Southern Shield

Good/ Best Practice feedback

Nature of works

Breaking out concrete slabs

Date of good practice note

01 /03 / 2019

Badger breaker, reducing exposure



Description of the good practice

Use of a mechanical breaker to remove the risk of HAVS, dust and noise from breaking out a substantial concrete slab adjacent to rail infrastructure also reduces the vibration.

What are the benefits?

- The use of a single piece of machinery is highly effective, with the unit able to complete the initial slab break in less than one week while also reducing logistics deliveries of heavy plant to site and reducing fuel consumption.
- Vibration, noise and dust recordings are far below those expected from the use of traditional methods. The breaker makes light work of the overall slab thus progressing productivity and programme.
- Reduction in fuel
- Reduction in deliveries
- Reduction in HAVS and environmental vibrations
- Reduction in both environmental and personal Noise Exposure
- Reduction in time
- Reduction in Cost

Learnings

- The equipment proves successful as an initial method to break large areas of concrete slab. The equipment reduces noise and vibration caused during the work.

Are there any drawbacks?

Plant not currently formally approved by Network Rail, used within an exemption
As yet no formal studies but this is being spoken about with the manufacturer

Supporting Information

- <http://www.antigoconstruction.com/companies/united-kingdom-ireland>



Illustration above of the two machines

Please send completed forms back to shield@networkrail.co.uk