For your information

Moreton Bay Rail Link
Rail grinding in March 2016

The 14 kilometers of new track infrastructure for the Moreton Bay Rail Link (MBRL) has been completed. In preparation for the line’s opening in mid-2016, Queensland Rail will now undertake a comprehensive testing program.

Rail grinding program
As part of this program, rail grinding will take place on turnouts located throughout the new rail line from Thursday 17 until Tuesday 22 March between 10.00pm and 5.00am.

Residents living close to the rail corridor may be exposed to periods of loud noise as the grinding machine works particular sections of the track for up to 20 minutes at a time. The grinding machine will move to other parts of the corridor and will sit idling in preparation for the next grind.

Affected areas

<table>
<thead>
<tr>
<th>Location</th>
<th>Date</th>
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<tbody>
<tr>
<td>Kippa-Ring: station and stabling yards</td>
<td>19 March</td>
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<tr>
<td>Kallangur: overpass on Dohles Rocks Road</td>
<td>20 March</td>
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<tr>
<td>Petrie: northern end and southern end of Petrie station precinct</td>
<td>17, 18 and 21 March</td>
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<tr>
<td>Lawnton: near Francis Road overpass and northern end of Lawnton station</td>
<td>17, 18 and 21 March</td>
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Queensland Rail apologises for any inconvenience caused by noise made by the rail grinding machine operating in these locations during this period.

Contact information
The MBRL will revolutionise public transport for the region when it opens in mid-2016, delivering more than 650 trains services per week between Kippa-Ring and Brisbane’s CBD, including trains every 6-12 minutes in peak times.

Queensland Rail
For more information about the testing and commissioning program, contact Queensland Rail at mbrl@qr.com.au or by calling 1800 096 821 select option 2 (between 8.00am-5.00pm, Monday to Friday).

Project team
For more information about the project, you can visit moretonbayrail.qld.gov.au or contact the project team at moretonbayrail_info@thiess.com.au or 1800 096 821.

*Free call Australia wide. Call charges apply from mobile phones and pay phones.
What is rail grinding?

Rail grinding is an important part of the testing and commissioning program for the Moreton Bay Rail Link (MBRL).

The purpose of grinding newly laid track is to shape the rail and even out any welding irregularities there may be. This improves the contact between the train wheels and the rail and will ensure a smoother ride for customers on our trains.

It also helps reduce the wear of both the rail and wheels and increases the life of the rail.

In addition to this initial grinding along the MBRL, regular grinding is required on an on-going basis as part of Queensland Rail’s maintenance program. This grinding program occurs throughout Queensland Rail’s network to ensure the integrity of the rail throughout the corridor.

On a corridor the size of the MBRL, the rail grinding program is carried out every one to two years.

Rails lose their shape because of wheel impact, acceleration and braking as well as from extreme heat, vibration and movement. Removing irregularities from worn rails reduces noise which results in a smoother ride for customers and extends the track life.

Two machines can be used to grind the track, the largest being ‘the mainline’ rail grinder, which is 180 metres long, has nine wagons and weighs approximately 650 tonnes. It looks a lot like a train but travels between 8-12 kilometres an hour, grinding the rail as it travels.

A smaller ‘turnout grinder’ will be used to grind the small sections of rails and turnouts on the MBRL during the testing and commissioning program. This machine is 55 metres long, has five wagons and weighs 160 tonnes.

When rail grinding is to be conducted in future on the MBRL, dates and times will be advertised in local newspapers and on queenslandrail.com.au

To view footage of a rail grinder at work visit queenslandrail.com.au/railgrinding