



# Managing Construction Impacts

March 2016

The South Australian Government is working with the Australian Government to realise a fully upgraded non-stop North-South Corridor. Both governments are working together to build upon the significant amount of planning work that has been undertaken with each contributing \$448 million towards the construction of the \$896 million Torrens Road to River Torrens Project. This includes the recently announced scope extension which includes the section of South Road between Pym Street and Torrens Road in Croydon Park resulting in the grade separation of South Road and Torrens Road and extending the lowered motorway by approximately one kilometre.

The Torrens Road to River Torrens (T2T) Project is a major project that has the potential to affect the community if not managed carefully.

To minimise disturbance to nearby properties caused by construction activities, precast concrete noise walls along the western side of South Road will be erected before traffic is diverted onto the new, north-bound surface road to Torrens Road, by mid-2016 and to Royce Avenue, in early 2017.

## Construction noise and vibration management

Construction noise and vibration on a major infrastructure project cannot be eliminated altogether, however, works can be managed to minimise disturbance.

A range of control measures are being implemented which include:

- providing advance notice of works to residents
- wherever possible, scheduling the noisiest activities during the day or early evening
- maintaining machinery to a high standard to reduce noise levels
- using low noise reversing squawker, instead of the traditional reversing beeper
- handling materials in a way that reduces the number of vehicle movements
- using arterial roads to transport materials to and from the construction zone
- enclosing stationary small plant and equipment such as generators to reduce noise levels

During construction, nearby residents may feel vibration from large excavators, vibrating rollers, piling rigs or from the movement of heavy vehicles. Experiencing vibration does not mean that structural damage to property will occur.

Some Property Condition Assessments have been completed on properties between Torrens Road and River Torrens. More assessments are proposed to be undertaken on properties between Torrens Road and Royce Avenue, Croydon Park in the coming months. T2T Alliance will make contact with owners of properties in this section soon. The Property Condition Assessment can be used if required, to compare the condition of a property, prior to, and following completion of construction works.



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To help minimise the effect of construction vibration, a range of measures are being implemented including:

- operating equipment on the lowest effective vibration setting
- maintaining low speed limits for construction trucks and machinery
- maintaining equipment to minimise vibration
- consideration of alternative construction methodologies where appropriate
- providing advance notice to residents of any activities which may create noticeable vibration and the expected duration of the activity
- placing noise and vibration monitoring equipment in strategic locations to monitor noise and vibration levels to ensure they do not exceed compliance levels

## Dust management

Some nuisance dust from construction activities may also occur. The main sources of dust from construction is likely to be caused by:

- excavation and loading of excavated material into trucks
- heavy vehicle movement on unsealed areas
- wind erosion on exposed surfaces

To help minimise the effect of nuisance dust, a range of measures are being implemented, including:

- limiting on-site vehicle speeds
- watering work areas to suppress the generation of dust
- sealing pavement areas as soon as practical
- removing excess dirt from construction equipment before it leaves the site
- covering loads of excavated materials carried by trucks
- installation of rubble at entry and exit points into the project area
- frequently inspecting public access routes for any spilt material and promptly cleaning as required
- frequent use of street sweepers throughout the construction area and surrounding local roads
- placing dust monitors in strategic locations to measure dust levels during construction activities and if required changing construction methods to reduce impacts.



Top of the wall barrier slab, western side of South Road between Grange Road and Gawler Avenue, West Hindmarsh.

**For construction related information:** Please contact the project information line: 1300 794 899 or email: [enquiries@t2talliance.com.au](mailto:enquiries@t2talliance.com.au) if you have questions or wish to join the project mailing list. You can also visit [www.t2talliance.com.au](http://www.t2talliance.com.au)