



ROAD WORK AHEAD

Road upgrades

Upgrades to sections of Daandine Nandi Road

August 2021

Road upgrades

Arrow Energy will upgrade some local roads and intersections as part of the first phase of its Surat Gas Project.

This work is to enable the local road network to safely accommodate the predicted increase in road use as a result of Arrow's activity, and improve safety for all road users.



Arrow road upgrade scheduled for a section of the Daandine Nandi Road

Arrow will upgrade a section of the Daandine Nandi Road as part of the first phase of the Surat Gas Project.

- The Traffic Management Impact Assessment identified the need for this upgrade.
- This recommendation was reviewed and supported by the Department of Transport and Main Roads (DTMR) to assess traffic impacts and possible mitigations.
- Works are scheduled to commence late August 2021 and continue for around five months (weather permitting).
- The section of the road being upgraded will be finished as a sealed road.
- Landholders adjacent to roadworks will be directly contacted by Arrow to discuss proposed upgrades to property access points.
- The road will remain open at all times, although delays might be experienced during construction.
- Construction works are typically 6am – 6pm and managed under a Traffic Management Plan, approved by DTMR.
- The speed limit will be reduced during construction.
- Works are being undertaken by Arrow's local subcontractors.
- Water trucks will be used to suppress dust.
- School bus route Condamine P681 will be managed by traffic controllers and bus stops will remain open.

Key design elements:

- Road upgrades will be carried out within the existing road reserve, including pavement strengthening and widening.
- Property access points will be upgraded in consultation with affected landholders.
- Flow paths will be managed, especially the cross-road drainage.
- Existing floodway levels will be maintained, therefore the road upgrade will not impact adjacent overland flows.
- The road will be widened to a nine-metre formation and an eight-metre-wide bitumen seal.
- Both northern and southern sections will commence at the same time. The two work fronts will progress from north to south with one kilometre stretches of roadwork open at one time. Traffic management zones and Variable Message Sign boards will be realigned as the work progresses.
- The scope includes:
 - full re-construction and upgrade of sections of existing unsealed road
 - lime stabilisation and improvement of the subgrade
 - gravel pavement layers
 - spray sealing
 - road signs, guideposts, markers and line-marking.

Location map

(detailed maps of each section follow in the attachments)



Roadwork planning process:

Following road network / road use planning with DTMR and local Councils, Arrow engages independent traffic engineering consultants to develop a Traffic Management Impact Assessment.

Arrow then engages with the relevant road authority to assess potential traffic impacts and possible mitigations.

A Traffic Management Impact Assessment includes:

- Baseline traffic surveys to measure existing road usage
- Forecasting construction traffic
- Road condition and safety inspection surveys to determine existing road conditions (undertaken with the relevant road authority)
- Identifying required road upgrades, in agreement with the relevant road authority, to maintain or increase road safety.

Arrow's completed and scheduled upgrades for sections of the following local roads:

Completed	<ul style="list-style-type: none">• Leahys Road maintenance and upgrade - Completed mid-July 2021
Under construction	<ul style="list-style-type: none">• Duleen Daandine Road• Moonie Hwy and Daandine Nandi Road Intersection• Moonie Hwy and Broadwater Road Intersection• Dalby Kogan and Daandine Nandi Road intersection• Theten Road
Scheduled*	<ul style="list-style-type: none">• Daandine Nandi Road upgrade - Commencing mid-August 2021• Dalby Kogan Road and Leahys Road intersection - Commencing mid-September 2021• Ducklo School Road - Commencing September 2021

*Scheduled dates are weather permitting

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