

2017 COATES HIRE NEWCASTLE 500  
**TEMPORARY INFRASTRUCTURE  
GUIDE**



**coates hire**  
**NEWCASTLE 500**  
24 - 26 NOV 2017





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The Newcastle 500 will inject \$57 million into the local economy and attract an estimated 81,000 interstate and international visitors to Newcastle. The three-day race weekend will attract more than 150,000 spectators to city. It is an opportunity to showcase the city and what it has to offer to a potential global television audience of more than 298 million people.

Civil works have already transformed and revitalised many parts of the CBD, including substantial infrastructure which will future proof the city for decades to come. These civil works, many overdue or scheduled in the next two years, are a one-off and will not occur in future years.

On October 16 construction of the racing circuit begins. With almost 30 years' experience in designing and constructing street circuits across Australia, New Zealand and internationally, Supercars engineering partner iEDM will manage this process.

Installation and removal of the racing circuit is condensed into a nine-week period. This commences with the installation of items such as the pit building, grandstands, bridges, barriers and fencing. Installation will start with those furthest away from residential and business areas (see included examples of infrastructure and layout of the precinct).

The remainder of construction and placement of barriers is a phased process (see included map) to ensure full access for residents and business up until the event begins. The circuit layout will be one-way from Monday November 20 to allow for best flow of vehicles.

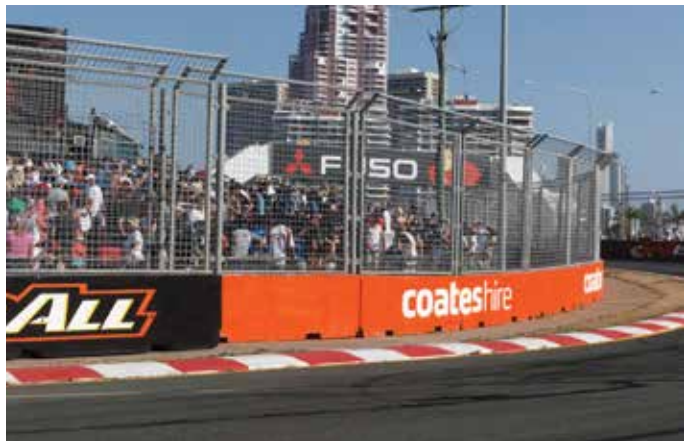
Residents and business will have full access to their homes and driveways up until 7am on Friday November 24. All driveways will have gates installed which can be opened at anytime; and will be opened each evening of the event, providing full vehicle access between 7pm and 7am each day while pedestrian access in and out of the precinct is available 24/7.

All resident and business vehicle access will be reopened immediately following the event in the evening of Sunday November 26. All barriers in and around residential properties and businesses will be fully removed in the days immediately following the event as an absolute priority.

# CIRCUIT INFRASTRUCTURE

## BARRIERS & DEBRIS FENCE

Circuit barriers and debris fence are the primary safety mechanism between the active circuit and spectating attendees and residents. This interlinked system prevents any vehicle from leaving the circuit in race conditions. Barriers and debris fencing are critical to the safety of all patrons, participants and public, and will be installed progressively from October 16. Refer attached maps for specific area installation timing.



## DEMARCATIION FENCE

Demarcation fencing delineates the 'No Go' zone between patrons and public and the barrier and debris fencing system. The demarcation fence is a vital safety installation and is monitored by security and marshalls and secured daily. Demarcation fencing will be progressively installed alongside barriers from October 29.



# CIRCUIT INFRASTRUCTURE

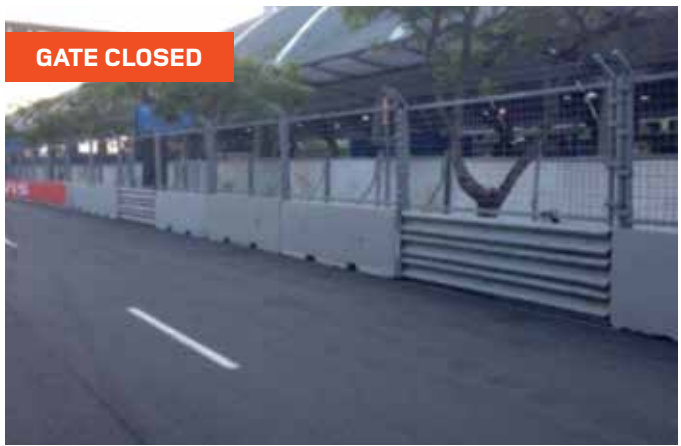
## TYRE BARRIERS

Tyres barriers are a force absorbing barrier for cars that are affixed to circuit barriers in key areas on the inside of the circuit. Tyres are placed on the circuit roads in specific locations only. These barriers are secured with conveyor belts bolted onto the tyres once installed. Tyre barriers will be installed progressively from November 13.



## CIRCUIT GATES (ARMCO)

Armco gates form part of the continuous circuit barrier system for safety and allow an opening for property access when circuit activity is not being undertaken. These gates require specialist equipment to open and close and will be attended to on event days by qualified staff on the agreed access times. Installation of gates will occur within the barrier program (refer previous).



## CIRCUIT INFRASTRUCTURE

### OVER TRACK PEDESTRIAN BRIDGES

Over track Pedestrian Bridges provide a safe passage over the race circuit for patrons to access key areas. Bridges are key infrastructure to the operation of the event venue and facilitate safe access for residents to enter and exit the circuit at all times. Passenger hoist lifts will connect to the bridge positioned on Wharf Rd to facilitate entry to the infield area. Being entirely temporary in design, the Pedestrian Bridges will be installed from November 6.







## EVENT OPERATIONAL INSTALLATIONS

For the event, a variety of marquees, additional temporary toilets and buildings, merchandise and catering outlets, big screens and other items will be installed to provide support services to the venue. These will not generally be near residences or businesses. The installation of some items will commence from October 16, with majority installed from November 13.

### MERCHANDISE OUTLET



### PORTABLE BUILDINGS



### CATERING OUTLETS



### VEHICLE DISPLAY



### MARQUEE – GATE ENTRANCE



## VIEWING STRUCTURES

### PIT BUILDING

The pit building is a three-level structure that houses both the Supercar teams and garages, and two levels of corporate facilities for the event days. This temporary structure is the single largest installation for the event precinct and will commence construction from October 30. This is situated on Wharf Road in Foreshore Park and will not affect residents or business.



## GRANDSTANDS & CORPORATE STRUCTURES

Elevated viewing for event patrons are provided in the form of grandstands and corporate suites. Stands are constructed from scaffolding and are covered by marquee roofs to provide shelter to occupants. These structures will be installed progressively from October 16, and will be programmed to minimise impact throughout the construction period.





- |  |  |   |  |
|--|--|---|--|
|  | <b>WEEK 1: 16 - 21 OCTOBER</b>         |  | <b>WEEK 4: 6 - 11 NOVEMBER</b>   |
|  | <b>WEEK 2: 23 - 28 OCTOBER</b>         |  | <b>WEEK 5: 13 - 18 NOVEMBER</b>  |
|  | <b>WEEK 3: 30 OCTOBER - 4 NOVEMBER</b> |   | <b>WEEK 6: 20 - 23 NOVEMBER</b><br>- ALL REMAINING GATES<br>AND BARRIERS INSTALLED |

Note: Exact installation dates may change and will be communicated in regular build notices.

