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# **PROVISION OF CONSULTING ENGINEERING SERVICES**

**232 MORTIMER STREET**

**TRAFFIC ASSESSMENT**

**25 OCTOBER 2022**

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## 1 INTRODUCTION

Triaxial have been engaged by Innovative Commercial Projects to prepare a traffic assessment report for the proposed redevelopment of the premises located at 232 Mortimer Street, Mudgee.

The purpose of this report is to assess the traffic implications of the development proposal. This report is to be included in the development application lodged with Mid Western Regional Council. Details of the development are included on architectural plans produced by Descon Pty Ltd, job number 2022.01.



**Figure 1:** Existing Site

## 2 PROPOSAL

### 2.1 DEVELOPMENT SITE

The site located at 232 Mortimer Street Mudgee is currently utilised as follows:

- Residential property (single dwelling).

The site will be developed as a multi-housing site, with the proposed construction of 7 new dwellings. This traffic summary will provide information on the expected increase in traffic due to the development and the measures to be undertaken to manage this increase.

### 3 EXISTING TRAFFIC CONDITIONS

#### 3.1 ROAD HIERARCHY – SURROUNDING ROAD NETWORK

The site is surrounded by the following roads:

- **Mortimer Street** is classified as a local access road. It connects to Bell Street approximately 150m to the West.
- **Third Street** is classified as a laneway providing a connection to Market Street. The property does not front Third Street however there is a road reserve connecting the Northern boundary. No access is proposed from this laneway.

#### 3.2 EXISTING TRAFFIC VOLUMES

Existing traffic volumes along Mortimer Street were obtained from the Mudgee Traffic Study. The closest station to the site was West of Perry Street. The daily traffic is shown in the table below.

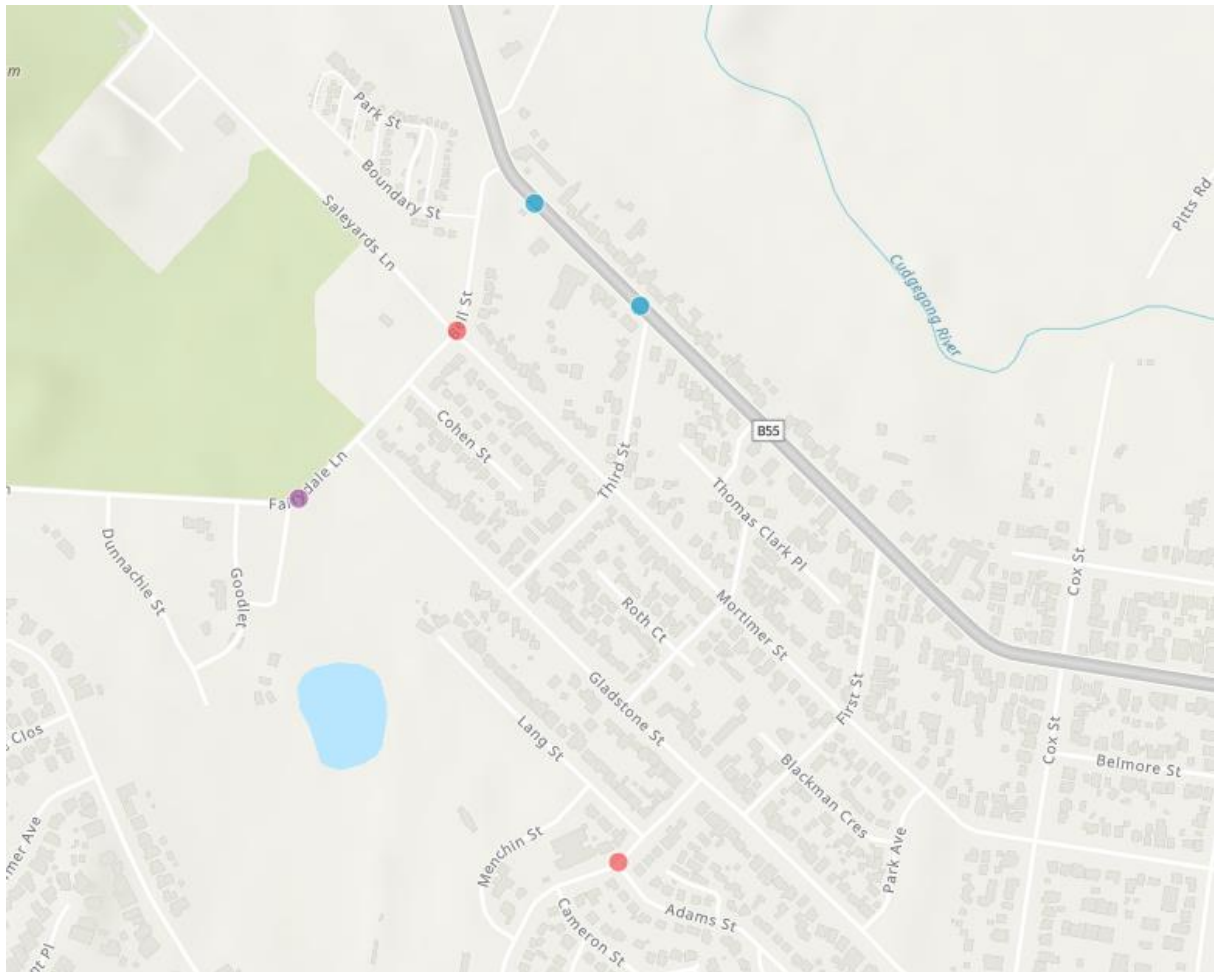
	AWDT	L.O.S
<b>Mortimer St (West of Perry St)</b>	<b>581</b>	<b>A</b>

**Table 1:** Average Weekday Daily Traffic (AWDT) for Mortimer Street closest available location from Mudgee Township Traffic Management Study 2014 (Gennaoui Consulting).

It is important to note that Mortimer Street at the Western end was not included in the traffic study as the predicted and observed traffic figures were presumed to be too low.

#### 3.3 EXISTING CRASH DATA

A review of the available crash data from the 5-year period 2016 – 2021 shows that there was one crash recorded between 2016 – 2020. The crash was of a non-serious nature. Crash data obtained from the centre for road safety is shown in the image below:



**Figure 2:** Crash data near the site showing 1 crash (non-serious) at the intersection of Mortimer St and Bell St from 2016-2021.

#### 4 EXPECTED TRAFFIC GENERATION

The expected traffic increase generated by the development is shown in the table below. The traffic generation rates have been calculated using Austroads Guide to Traffic Management Part 12 – Traffic Impacts of Development.

Development Type	Daily Vehicle Trips	Peak Hour Vehicle Trips
Residential	58	6

Table 2: Proposed traffic generation rates (from Guide to Traffic Generating Developments)

#### Expected Impact

Road carriageway level of service is not expected to be impacted, as the traffic generation figures calculated for this development are very small in comparison to the overall traffic figures. Level of service A will be maintained along Mortimer Street.

As the development sits mid-block with no immediate intersections nearby and good site distance in either direction from the proposed property entrances, there is not expected to be a discernible impact on nearby intersections, especially as the path of travel from the site is likely to be a combination of trips in the Easterly and Westerly directions.

## **5 PARKING**

Parking will be provided on site for each dwelling in accordance with Mid Western Regional Council guidelines.

## **6 SITE ACCESS**

Site access will be for light passenger vehicles only, no large vehicle access is proposed for the development.

## **7 SUMMARY**

In summary, the proposed development of 232 Mortimer Street with the addition of 6 new dwellings will not alter the existing level of service along Mortimer Street, which still has significant spare capacity.