

TWYNAM MUNDAMIA PTY LIMITED

TRANSPORT REPORT FOR
PROPOSED RESIDENTIAL
SUBDIVISION, MUNDAMIA

MAY 2012

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I. INTRODUCTION

- I.1. Colston Budd Hunt & Kafes Pty Ltd has been commissioned by Twynam Mundamia Pty Limited to prepare a report examining the transport implications of a proposed residential subdivision at Mundamia in west Nowra. The site location is shown in Figures 1 and 2.
- I.2. Mundamia has been identified for residential development in Council's Nowra Bomaderry Structure Plan. The plan identifies potential development of some 720 dwellings in detached and medium density housing. The area is currently being rezoned to provide for residential development.
- I.3. The proposed development is for 312 residential lots plus one rural lot in part of the Mundamia area.
- I.4. The Director – General's Environmental Assessment Requirements for the Project Application include:

5. Traffic and Access

- 5.1 *Prepare a traffic impact study in accordance with Table 2.1 of the RTA's Guide to Traffic Generating Developments which addresses matters, including the following:*
- *Connectivity to existing, surrounding developments, including West Nowra, Wollongong University and the Thompsons Point area;*
 - *Provision for a future road reserve on both sides of George Evans Road to link to the west Bypass corridor and to the Nowra CBD; and*
 - *Upgrade requirements for Yalwal/George Evans Roads and Yalwal/Albatross intersections.*
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- 5.2 *Undertake intersection modelling using SIDRA for the key junctions in the area including the Yalwal Road and MR92 intersection, and consider:*
- *AM and PM peak volumes and holiday peak volumes;*
 - *Existing traffic volumes with and without development; and*
 - *10 year projected volumes with and without the proposal.*

1.5. This report has been prepared with reference to the RTA's "Guide to Traffic Generating Developments", and assesses the transport implications of the proposed development through the following chapters:

- Chapter 2 - describing the existing conditions; and
- Chapter 3 - assessing the transport implications of the proposed subdivision.

2. EXISTING CONDITIONS

Site Location and Road Network

- 2.1 The area identified for future residential development is in Mundamia, west of Nowra, as shown in Figures 1 and 2. The area is currently being rezoned to provide for residential development. The Shoalhaven River and Nowra Creek are north and east of the site respectively. The Shoalhaven campus of the University of Wollongong is located to the south. To the west there is bush and rural development.
- 2.2 The road network serving Mundamia includes Albatross Road, Yalwal Road, George Evans Road, Jonsson Road and Stonegarth Road. Albatross Road forms part of a route connecting Nowra with Braidwood (Main Road 92). It provides access to industrial areas as well as residential properties. It provides for one traffic lane in each direction clear of intersections.
- 2.3 Yalwal Road connects Albatross Road at West Nowra in the east with Burrier and Yalwal in the west. It provides for one traffic lane in each direction with sealed shoulders. It has a 100 kilometre per hour speed limit west of George Evans Road and a 60 kilometre per hour speed limit east of George Evans Road. The intersection of Yalwal Road with Albatross Road is an unsignalised t-intersection, with Albatross Road having priority. There are two southbound lanes marked in Albatross Road to provide for through traffic to pass a vehicle turning right into Yalwal Road.
- 2.4 George Evans Road runs north from Yalwal Road at an unsignalised t-intersection controlled by give way signs. There are two marked westbound lanes in Yalwal Road at the intersection to allow westbound through traffic to pass a vehicle turning right
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