

Mr Brett Hutton  
Senior Project Manager  
JCDecaux Australia & New Zealand  
Unit 2-2, 182-190 Euston Road  
Alexandria NSW 2015

Arcadis Australia Pacific Pty Ltd  
Level 16, 580 George Street  
Sydney NSW 2000  
Tel No: +61 2 8907 9000  
www.arcadis.com/au

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**Structural Design Statement  
Advertising Signage Structure  
Central Coast Highway, Gosford (DA 10660)**

**10032068**

Dear Brett,

We write in response to your recent request for structural engineering advice in relation to a new freestanding advertising signage located adjacent to the Brain McGowan Bridge, Central Coast Highway, Gosford.

The proposed freestanding advertising structure has an overall height from ground level of 18.635 metres (5.0 metres above adjacent bridge road level) and will comprise of the following.

- 1100mm diameter monopole
- Fabricated steelwork splayed headframe with an included angle of approximately 6 degrees.
- Static advertising face with a display area of 12.84 metres long x 3.53 metres high (45.3m<sup>2</sup>).
- Digital advertising face with a display area of 12.58 metres long x 3.30 metres high (41.5m<sup>2</sup>).

The monopole will be founded on a reinforced concrete pad footing (7.0 metres x 5.0 metres x 1.2 metres deep) equipped with a 2.50 metre square x 1.45 metre high reinforced concrete pedestal, based on the information provided in the geotechnical report prepared by BHM Geotechnical Pty Ltd.

Following a desktop analysis of the proposed signage structural components, we can confirm that the design complies with the requirements of.

- Australian Standard AS.1170.1 – SAA Loading Code, Part 1: Dead and live loads and load combinations
- Australian Standard AS.1170.2 – Structural design actions, Part 2: Wind actions

Furthermore, the final design will comply with the relevant provisions of the Building Code of Australia 2019 Amendment 1, the relevant Australian Standards (AS3600 – 2001, AS4100 – 1998, AS1657 - 2018) and in accordance with accepted engineering principles.

Trusting the above satisfies your current requirements. However, should you require any further information or clarification please contact the undersigned.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Chris Slater', with a stylized flourish at the end.

Chris Slater  
Senior Engineer  
02 8907 3942 / 0410 630 972