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Your reference: Citywest Link, Lilyfield - SSD nearby junctions

27 July 2023

JCDecaux
Level 6, 1 York Street
Sydney NSW 2000

Attention: **Timothy Brosnan**

Sent via email: timothy.brosnan@jcdecaux.com

Dear Timothy,

**RE: CITY WEST LINK, LILYFIELD – PROPOSED DIGITAL SIGNS
STOPPING SIGHT DISTANCES TO NEARBY INTERSECTIONS**

1.0 INTRODUCTION

1.1. Background

Bitzios Consulting was engaged by JCDecaux to undertake traffic safety assessments for proposed digital LED advertising signs on the northern side of the City West Link, opposite Pretoria Street, in Lilyfield (ref: *P5392.005R City West Link Lilyfield IB Digital Sign TSA / P5392.005R City West Link Lilyfield OB Digital Sign TSA*, dated 1 March 2023).

1.2. DPE Comments

As per your email on 16 July 2023, the Department of Planning and Environment requested other potential locations within 1km on both sides of the proposed signs. This involved assessing the stopping sight distances (SSD) to the City West Link signalised intersections with Norton Street, Balmain Road and Catherine Street as summarised below. JCDecaux wants to exclude these areas due to having bad viewing angles, property ownership and land constraints (i.e. trees along the property boundary), proximity to other advertising signs within 150m etc.

2.0 STOPPING SIGHT DISTANCES

Car and truck SSD requirements for the City West Link signalised intersections with Norton Street, Balmain Road and Catherine Street were assessed against *Austroads Guide to Road Design Part 3: Geometric Design* Tables 5.5 and 5.6.

Key elements for the City West Link on approach to the subject site are summarised as follows:

- Typical road conditions: Higher speed urban area
- Posted speed limit: 70km/h (80km/h design speed)
- Driver reaction time R_T : 2.0 seconds

▪ Horizontal and vertical geometry:

- To Norton Street inbound: Right-hand curve and moderately uphill
- To Norton Street outbound: Right-hand curve and moderately downhill
- To Balmain Road inbound: Left-hand curve and moderately downhill
- To Balmain Road outbound: Left-hand curve and moderately uphill
- To Catherine Street inbound: Straight and moderately downhill
- To Catherine Street outbound: Right-hand curve and slightly uphill.

The car and truck SSDs (measured to the stop line) are summarised in Table 2.1.

Table 2.1: Car and Truck Stopping Sight Distances – City West Link

Intersection	Car SSD	Truck SSD
Inbound		
Norton Street	107m	120m
Balmain Road	118m	137m
Catherine Street	123m	145m
Outbound		
Catherine Street	118m	137m
Balmain Road	107m	120m
Norton Street	110m	125m

Please do not hesitate to contact me with any questions regarding this advice.

Yours faithfully



Samer Daizli

Senior Transport Planner

BITZIOS CONSULTING