

**ITEM 33. TRAFFIC TREATMENT – RAISED PEDESTRIAN CROSSING –
ELIZABETH STREET ZETLAND**

TRIM RECORD NO: 2015/560809

RECOMMENDATION

It is recommended that the Committee endorse the following traffic and parking changes in Elizabeth Street, Zetland:

- (A) Conversion of the existing raised threshold located in Elizabeth Street 60 metres west of Joynton Avenue, to a raised pedestrian crossing;
- (B) Reallocation of parking on the southern side of Elizabeth Street, between the points 44.1 metres and 64.7 metres (three car spaces) west of Joynton Avenue as “No Stopping”; and
- (C) Reallocation of parking on the northern side of Elizabeth Street, between the points 43.1 metres and 68.4 metres (four car spaces) west of Joynton Avenue as “No Stopping”.

DECISION

BACKGROUND

In September 2014, the City received a petition from 24 properties in Elizabeth Street requesting for the provision of a pedestrian crossing in Elizabeth Street.

The City subsequently commissioned a Pedestrian and Vehicular Traffic Study to identify options to improve pedestrian safety and accessibility at the intersection of Joynton Avenue and Elizabeth Street.

The study identified the already formed key east-west pedestrian desire line between the Victoria Park residential precinct, bus stops in Elizabeth Street and the Green Square Train Station. Observations have shown that pedestrians currently use the existing raised threshold to cross Elizabeth Street as part of the walking route to the public transport facilities.

The use of this established desire line will increase significantly over the next few years as the residential properties and high activity areas (i.e Green Square Aquatic Centre, Gunyama Park and Drying Green Park) are developed within the Green Square Town Centre, Lachlan and Epsom precincts.

To meet the increasing pedestrian demands and improve the safety of pedestrians crossing Elizabeth Street at the intersection with Joynton Avenue, it is proposed to convert the existing raised threshold in Elizabeth Street, north-west of Joynton Avenue, to a raised pedestrian crossing.

COMMENTS

The proposed pedestrian crossing will significantly improve pedestrian safety, control vehicle speeds and enhance local amenity at the intersection.

The City has received 'in-principle' support from Roads and Maritime Services (RMS) for the proposed pedestrian crossing in Elizabeth Street.

To comply with the RMS "No Stopping" restrictions at the proposed crossing, an approximately seven "unrestricted" on-street parking spaces will be lost in Elizabeth Street.

Table 1 below presents the peak hour pedestrian and traffic volumes in Elizabeth Street and a summary of the PV calculation.

The peak hour surveys have shown that PV warrant is met in two of the three busiest hours. Further analysis of the pedestrian data also indicated that if the AM peak survey was extended to cover the period between 6.30 am to 7.30 am, the warrants will be fully met. As such, it is strongly recommended that a raised marked pedestrian crossing be proposed at this location.

Table 1 – Peak Pedestrian and Traffic Volumes in Elizabeth Street

<u>Time</u>	<u>Vehicles (V)</u>	<u>Pedestrians (P)</u>	<u>P x V*</u>
0730 - 0830	725	160	116,000
0830 - 0930	696	91	63,336
1630 - 1730	771	55	42,405

*P x V – RMS normal warrant for a pedestrian crossing requires the product of P and V to be greater or equal to 60,000

The original proposal also sought to change the existing traffic island in Elizabeth Street, at its intersection with Joynton Avenue, to provide a refuge for pedestrians and remove the existing left slip lane from Joynton Avenue into Elizabeth Street. Combined, the proposed safety improvements will significantly improve pedestrian safety, control vehicle speeds and enhance local amenity.

The proposed safety improvements provide a short-term solution to the raised safety concerns. The City's long term preference is for the provision of traffic signals at the intersection to manage future traffic and pedestrian volumes likely to be generated by the development of Green Square Town Centre and other nearby urban renewal precincts.

However, following consultation with Sydney Buses, concerns were raised about potential delays to existing bus services using Elizabeth Street if the slip lane is removed. As such, the original proposal was amended to only install the raised pedestrian crossing across Elizabeth Street.

CONSULTATION

The City consulted local residents and businesses in the area. There were 604 letters sent out requesting for feedback on the original proposal. Seven submissions were received.

There were two supporting and five opposing submissions for the proposed pedestrian crossing in Elizabeth Street.

Supporting submissions believed that the pedestrian crossing will slow down vehicles and provide a safer environment for pedestrians to cross at the location.

Opposing submissions were concerned about loss of unrestricted parking, increased congestion and request for the bus stop to be relocated to Elizabeth Street.

For the proposed treatments at the intersection of Elizabeth Street and Joynton Avenue, there were one supporting and six opposing submissions.

Opposing submissions were concerned about the increased congestion in Joynton Avenue and rat-running in surrounding residential streets due to the removal of the existing left slip lane at the intersection.

Given the concerns, the City will be undertaking further investigation to develop feasible treatments for the intersection of the Elizabeth Street and Joynton Avenue. As such, the original proposal was amended to only install the raised pedestrian crossing across Elizabeth Street.

Local residents and businesses were notified of the amended proposal.

The proposed pedestrian crossing provide a short-term solution to the raised safety concerns. The City's long term preference is the provision of traffic signals at the intersection for the expected future traffic and pedestrian volumes likely to be generated by the development of Green Square Town Centre and other nearby urban renewal precincts.

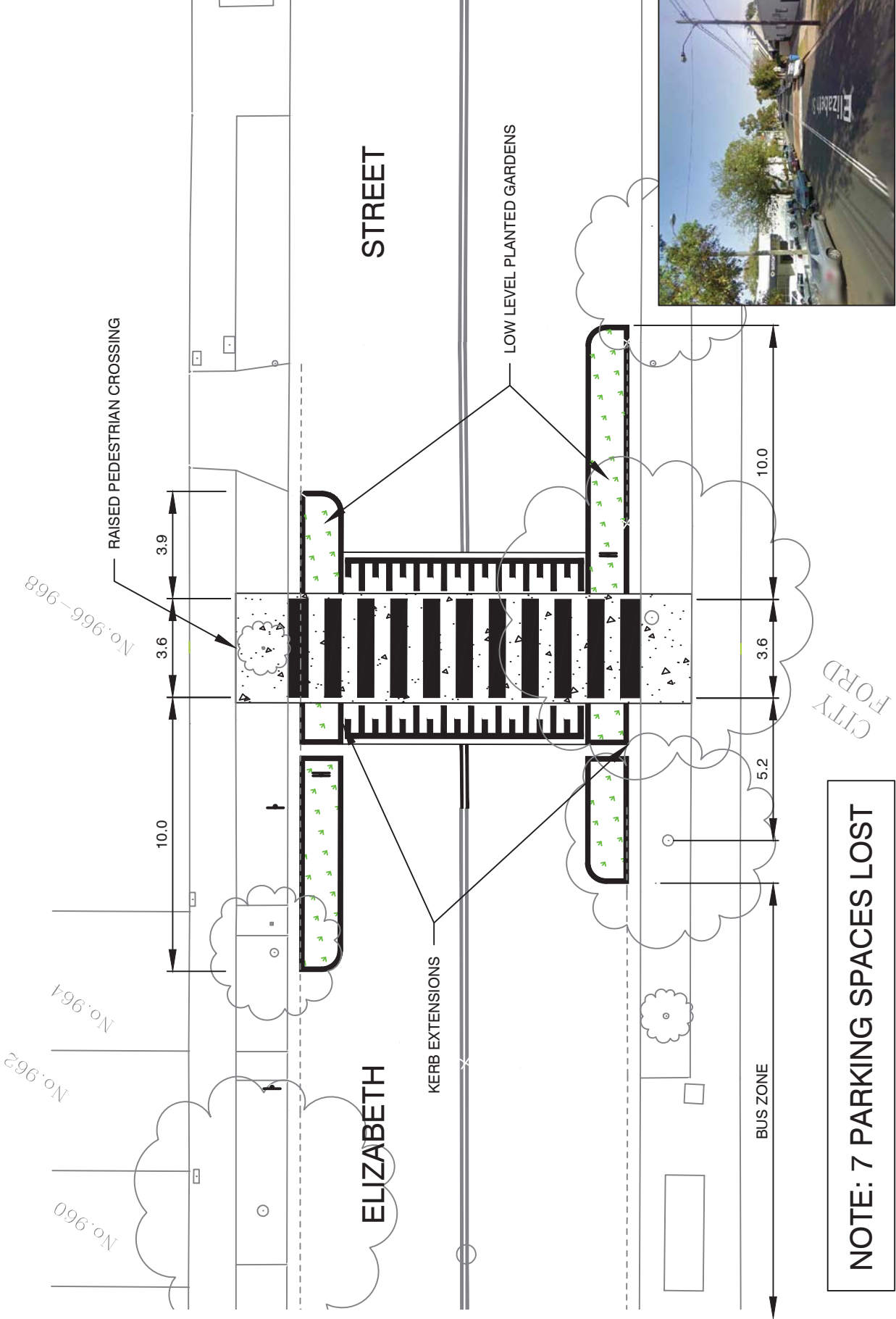
FINANCIAL

Funds are available in the current budget.

ATTACHMENTS

Traffic Treatment – Raised Pedestrian Crossing – Elizabeth Street Zetland

Clement Lim, Senior Traffic Engineer



RAISED PEDESTRIAN CROSSING, ELIZABETH STREET, ZETLAND
NOT TO SCALE