

Key Sites and Industry Assessments
Department of Planning, Industry & Environment
GPO Box 39
SYDNEY NSW 2001

ATTN: Emily Dickson

Dear Mr Madam/ Sir

**New Request for Advice - Expansion of the Museums Discovery Centre
(SSD-10472) (The Hills Shire)**

Thank you for your correspondence via ePlanning Portal (ref: PAE-3633) dated 12 June 2020 requesting Transport for NSW to provide details of key issues and assessment requirements regarding the abovementioned development for inclusion in the Secretary's Environmental Assessment Requirements (SEARs).

Legislation came into effect on 1 December 2019 that brings together Roads & Maritime Services and TfNSW. This response reflects the advice from the new organisation.

Suggested content to be considered for inclusion in the SEARs is provided in **TAB A**.

Should you require clarification of any issue raised, please don't hesitate to contact Robert Rutledge, Principal Transport Planner, Land Use Planning and Development at Robert.rutledge@transport.nsw.gov.au.

Yours sincerely



24/6/2020

Mark Ozinga
Principal Manager, Land Use Planning & Development
Customer Strategy and Technology

CD20/05027

TAB A – TfNSW requested input into SEARS – SSD-10472

Key Issues - 7. Transport, traffic, parking and access (construction and operation)

Replace Key Issue 7. Transport, traffic, parking and access (construction and operation) with the following requirements:

Include a transport and accessibility impact assessment, which details, but not limited to the following:

- accurate details of the current daily and peak hour vehicle (light and heavy), existing and future public transport networks and pedestrian and cycle movement provided on the road network located adjacent to the proposed development;
- details of estimated total daily and peak hour trips generated by the proposal, including vehicle, public transport, pedestrian and bicycle trips based on surveys of the existing and similar schools within the local area;
- the adequacy of existing public transport or any future public transport infrastructure within the vicinity of the site, pedestrian and bicycle networks and associated infrastructure to meet the likely future demand of the proposed development;
- Information about the museums hours of operation, number of staff and forecast visitor numbers by mode over a standard week day and weekend day including separation of bus and coach forecasts;
- Access arrangements for the museum for staff and visitors and measures proposed to manage impact of forecast demand on transport networks;
- Information regarding site accessibility, including any specific accessibility requirements for staff/visitors with mobility impairments, and the measures that are in place to address them, including any priority arrangements;
- Include wayfinding measures such as local street signage to identify direction and distance to the museum from nearby public transport stops and stations;
- the impact of trips generated by the development on nearby intersections, with consideration of the cumulative impacts from other approved developments in the vicinity, and the need/associated funding for, and details of, upgrades or road improvement works, if required (Traffic modelling is to be undertaken using SIDRA network modelling for current and future years). At a minimum, the following intersections will be modelled, and detailed analysis provided:
 - Showground Road at Windsor Road; and
 - Showground Road at Victoria Avenue/ Green Street.
- the identification of infrastructure required to ameliorate any impacts on traffic efficiency and road safety impacts associated with the proposed development, including details on improvements required to affected intersections, additional school bus routes along bus capable roads (i.e. minimum 3.5m wide travel lanes), additional bus stops or bus bays;
- details of travel demand management measures to minimise the impact on general traffic and bus operations, including details of a location-specific sustainable travel plan (Green Travel Plan and specific Workplace travel plan) and the provision of facilities to increase the non-car mode share for travel to and from the site. The Green Travel Plan should be developed in consultation with Council and Transport for NSW and include but not be limited to:
 - identify specific mode share targets that support higher mode share for public and active transport over a 2, 5 and 10 year horizon;
 - actions and strategies to achieve the mode share targets and that encourage the use of public and active transport and discourage the use of car travel to access the site for visitors and staff;
 - address the inter-museum travel with the new Powerhouse museum (bus route 601), and how the Green Travel Plan will ensure that travel between museum sites takes advantage of this and other public transport services.
 - a Transport Access Guide that details access arrangements for staff and visitors, including prioritising public transport, walking and cycling. The TAG should

TAB A – TfNSW requested input into SEARS – SSD-10472

- include public transport information, walking and cycling information including end of trip facilities;
 - a communication strategy for engaging staff and visitors regarding sustainable transport use to the site;
 - identify how annual travel surveys will be conducted, how the travel surveys will be used to evaluate, monitor and update the Green Travel Plan annually; and
 - details on the appointment of Travel Coordinator role and responsibilities once the school is fully operational.
- the proposed access arrangements, including car and bus pick-up/drop-off facilities, and measures to mitigate any associated traffic impacts and impacts on public transport, pedestrian and bicycle networks, including pedestrian crossings and refuges and speed control devices and zones;
 - proposed bicycle parking provision, including end of trip facilities, in secure, convenient, accessible areas close to main entries incorporating lighting and passive surveillance;
 - proposed pedestrian facilities and School Zones to be investigated as a result of the development;
 - proposed number of on-site car parking spaces for teaching staff and visitors and corresponding compliance with existing parking codes and justification for the level of car parking provided on-site;
 - an assessment of the cumulative on-street parking impacts of cars and bus pick-up/drop-off, staff parking and any other parking demands associated with the development including compliance with the requirements of the relevant Australian Standards (ie: turn paths, sight distance requirements, aisle width, etc) and parking codes;
 - an assessment of road and pedestrian safety adjacent to the proposed development and the details of required road safety measures and personal safety in line with CPTED;
 - emergency vehicle access, service vehicle access, delivery and loading arrangements and estimated service vehicle movements (including vehicle type and the likely arrival and departure times);
 - the preparation of a preliminary Construction Pedestrian and Traffic Management Plan (CPTMP) to demonstrate the proposed management of the impact in relation to construction traffic addressing the following:
 - assessment of cumulative impacts associated with other construction activities (if any);
 - an assessment of road safety at key intersection and locations subject to heavy vehicle construction traffic movements and high pedestrian activity;
 - details of construction program detailing the anticipated construction duration and highlighting significant and milestone stages and events during the construction process;
 - details of anticipated peak hour and daily construction vehicle movements to and from the site;
 - details of on-site car parking and access arrangements of construction vehicles, construction workers to and from the site, emergency vehicles and service vehicle;
 - details of temporary cycling and pedestrian access during construction.

Strategic plans, policies and guidelines:

- EIS Guidelines – Road and Related Facilities (DoPI)
- Cycling Aspects of Austroads Guides
- NSW Planning Guidelines for Walking and Cycling
- Austroads Guide to Traffic Management Part 12: Traffic Impacts of Development
- Standards Australia AS2890.3 (Bicycle Parking Facilities).