

Appendix A

Consideration of clause 228(2) factors
and matters of national environmental
significance

Clause 228(2) Checklist

In addition to the requirements of the Is an EIS required? guideline as detailed in the REF, the following factors, listed in clause 228(2) of the Environmental Planning and Assessment Regulation 2000, have also been considered to assess the likely impacts of the proposal on the natural and built environment.

Factor	Impact
<p>a. Any environmental impact on a community?</p> <p>The proposal involves some impact on a community during construction. It also delivers improvements to traffic efficiency and road safety as well as improved facilities for pedestrians and cyclists. Turning restrictions have been proposed in response to community concerns. Where they have been proposed, alternative access arrangements have been identified where possible.</p> <p>Construction of the proposal would result in some short-term negative impacts, such as visual amenity impacts, traffic and access disruptions, in addition to potential noise and air emissions impacts. These issues could adversely impact the local community as described in Sections 6 of this REF.</p> <p>Potential visual amenity impacts during construction would include the placement and movement of construction vehicles within the proposal area. Potential traffic impacts during construction would include an increase in the volume of heavy vehicles, interruption of traffic flows on the current road network and temporary changes in speed limit and/or implementation of contra-flow type lane configurations (where required) resulting in increased travel times for motorists on the highway. Impacts to access may be experienced by residences and other sensitive receivers within the proposal area. Construction noise would be generated from construction plant and vehicles. Air quality impacts would result from dust and vehicle emissions. These impacts are likely to occur during the two year construction period.</p> <p>The temporary construction impacts would be managed in line with the CEMP, which would include all reasonable and feasible measures to remove and reduce impacts to the environment and local amenity.</p>	<p>Short-term Minor negative Positive</p>
<p>The main long term impact would be from the need to acquire land to accommodate the proposal. The proposal would require partial and full acquisition of two private properties at Topaz Crescent and acquisition of a small parcel of Blacktown City Council land. Impacts associated with property adjustments include relocating property boundary fencing, driveway adjustments and loss of roadside trees and landscaped areas.</p> <p>All property acquisition would be undertaken in line with the Roads and Maritime Land Acquisition Policy and the requirements of the <i>Land Acquisition (Just Terms) Compensation Act 1991</i> as well as the proposal communications plan.</p>	<p>Long-term, minor negative</p>
<p>The primary long-term positive impact of the proposal would include improved road safety through improved lane configurations and turning opportunities. It would also result in improved access for pedestrians and cyclists, resulting in a positive benefit to the community.</p>	<p>Long-term, minor positive</p>

Factor	Impact
<p>g. Any endangering of any species of animal, plant or other form of life, whether living on land, in water or in the air?</p> <p>The proposal would not endanger any species of animal, plant or other form of like, whether living on land, in water or in the air. About 0.69 hectares of the endangered Cumberland Plain Woodland would be affected by the proposal. Offsets would be considered for this impact, however offsets are not formally required as there is not a significant impact expected.</p>	Minor negative
<p>h. Any long-term effects on the environment?</p> <p>Long-term negative effects on the environment are not expected. Benefits would be realised in terms of reduced congestion and improvements in road safety.</p>	Positive
<p>i. Any degradation of the quality of the environment?</p> <p>The proposal has the potential to degrade the quality of the environment through accidental spills and erosion and sediment during construction. A Soil and Water Management Plan would be implemented to mitigate these impacts see Section 6.1.</p>	Short-term, minor negative
<p>j. Any risk to the safety of the environment?</p> <p>The construction phase has the potential to temporarily decrease safety along the Prospect Highway due to road work and the movement of construction plant.</p> <p>Operation of the proposal would improve the safety of the environment through improvements to traffic flow and manoeuvring.</p>	<p>Short-term, minor negative</p> <p>Long-term, minor positive</p>
<p>k. Any reduction in the range of beneficial uses of the environment?</p> <p>The proposal would not reduce the range of beneficial uses of the environment.</p>	Nil
<p>l. Any pollution of the environment?</p> <p>There is the potential for accidental spills of chemicals during construction which could affect the surrounding land, surface water and groundwater. There is the potential for air quality and noise amenity to be reduced during construction activities.</p>	Short-term, minor negative
<p>The proposal is expected to have a beneficial impact on air quality in the area. Increased efficiency of Prospect Highway and intersections would result in shorter vehicle delays and a reduction in associated air emissions.</p>	Long-term, minor positive
<p>m. Any environmental problems associated with the disposal of waste?</p> <p>No environmental problems associated with the disposal of waste are expected as a result of the proposal</p>	Nil

Factor	Impact
<p>n. Any increased demands on resources (natural or otherwise) that are, or are likely to become, in short supply?</p> <p>The proposal would require resources such as concrete and asphalt, which are common construction materials. The proposal would not create any significant demand on these resources. All other required resources for the proposal are considered to be readily available.</p>	<p>Nil</p>
<p>o. Any cumulative environmental effect with other existing or likely future activities?</p> <p>It is unlikely that any construction associated with the developments identified in Section 6.14.1 would result in cumulative impacts however, medium to large developments with construction at the same time as the proposal may result in cumulative impacts.</p>	<p>Short-term, minor negative</p>
<p>p. Any impact on coastal processes and coastal hazards, including those under projected climate change conditions?</p> <p>The proposal is not located within a coastal area and would not result in any impact on coastal processes and coastal hazards</p>	<p>Nil</p>

Matters of National Environmental Significance

Under the environmental assessment provisions of the *Environment Protection and Biodiversity Conservation Act 1999*, the following matters of national environmental significance and impacts on Commonwealth land are required to be considered to assist in determining whether the proposal should be referred to the Australian Government Department of the Environment.

Factor	Impact
a. Any impact on a World Heritage property? The proposal would not have an impact on a World Heritage property.	Nil
b. Any impact on a National Heritage place? The proposal would not have any impact on a National Heritage place.	Nil
c. Any impact on a wetland of international importance? The proposal would not have any impact on a wetland of international importance.	Nil
d. Any impact on a listed threatened species or communities? The proposal would impact the threatened ecological community Cumberland Plain Woodland. The proposal also has the potential to impact upon the Cumberland Plain Land Snail and other highly mobile species which may forage in the proposal area's habitats. These include microbat species and woodland birds.	Yes
e. Any impacts on listed migratory species? The proposal would not have any impact on migratory species.	Nil
f. Any impact on a Commonwealth marine area? The proposal would not have an impact on a Commonwealth marine area.	Nil
g. Does the proposal involve a nuclear action (including uranium mining)? The proposal does not involve a nuclear action.	Nil
h. Additionally, any impact (direct or indirect) on Commonwealth land? The proposal would not have a direct or indirect impact on Commonwealth land.	Nil