

Clause 228(2) Checklist

In addition to the requirements of the Is an EIS required? guideline (DUAP 1995/1996) and the Roads and Related Facilities EIS Guideline (DUAP 1996) 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>Any environmental impact on a community?</p> <p>Construction of the proposal would have a number of environmental impacts, including altered visual amenity, noise and air quality impacts. The management measures proposed in this REF would help reduce these impacts.</p> <p>The proposal would result in vegetation removal, 0.81 ha of which is listed as a threatened ecological community. The operation of the proposal would also result in some amenity-related impacts primarily related to visual amenity and noise.</p> <p>The proposal would reduce existing congestion and delays and provide effective network performance. This would also provide socio-economic benefits for the wider community.</p>	<p>Short-term, local, negative</p> <p>Long-term, local, negative</p> <p>Long-term, regional, positive</p>
<p>Any transformation of a locality?</p> <p>The proposal would not transform the locality, no re-zoning of land is required as a result of the proposal and the area would continue to operate as a mixed commercial/residential urban area with a major traffic route.</p>	<p>Nil</p>
<p>Any environmental impact on the ecosystems of the locality?</p> <p>The proposal would result in 0.81 ha of threatened ecological community being removed. Six threatened micro-bat species were also identified as potentially being present in the construction footprint and the vulnerable grey-headed flying fox was recorded in the construction footprint. The biodiversity assessment report concluded that changes as a result of the proposal would not be significant for ecosystem health in the area.</p>	<p>Short-term, local, negative</p>
<p>Any reduction of the aesthetic, recreational, scientific or other environmental quality or value of a locality?</p> <p>The proposal would have some temporary adverse impacts on local aesthetic values during construction. In addition, recreational land in the form of the Council Reserve on Mulgoa Road is proposed to be used as a construction compound during this phase.</p> <p>The proposal would result in some vegetation removal however the urban design strategy for the proposal includes re-planting and vegetation treatment to provide aesthetic benefits to the local community. This planting would take a number of years to become fully effective while it matures. The Council Reserve would be reinstated during the operation of the proposal. Some amenity-related impacts have been identified for the proposal however mitigation measures such as noise walls have been included in the design.</p>	<p>Short-term, local, negative</p> <p>Long-term, local, negative</p>

Factor	Impact
<p>Any effect on a locality, place or building having aesthetic, anthropological, archaeological, architectural, cultural, historical, scientific or social significance or other special value for present or future generations?</p> <p>No built or cultural heritage (aboriginal or non-Aboriginal) was identified in the construction footprint, however safeguards are recommended in this REF for unexpected finds during the construction phase of the proposal.</p>	Nil
<p>Any impact on the habitat of protected fauna (within the meaning of the <i>National Parks and Wildlife Act 1974</i>)?</p> <p>The proposal does not impact on habitat of protected fauna under the <i>National Parks and Wildlife Act 1974</i>.</p>	Nil
<p>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>It is unlikely that the proposal would have an adverse effect on the lifecycle of threatened species identified as being potentially present in the area of the proposal as the surrounding area provides much better and many more habitat options.</p>	Nil
<p>Any long-term effects on the environment?</p> <p>The proposal would have a number of environmental impacts such as vegetation removal and amenity related impacts, however management measures proposed in this REF would minimise these impacts.</p> <p>The proposal also has long-term beneficial effects by relieving congestion and improving travel time in the area.</p>	<p>Long-term, local, negative</p> <p>Long-term, regional, positive</p>
<p>Any degradation of the quality of the environment?</p> <p>The proposal would have temporary environmental impacts during construction associated with changed traffic conditions, noise and air emissions and visual amenity impacts. These impacts are anticipated to be minimised through management measures proposed in this REF and are not likely to result in degradation of the quality of the environment.</p> <p>The proposal would not affect the quality of the environment during operation.</p>	<p>Short-term, local, negative</p> <p>Long-term, local, neutral</p>
<p>Any risk to the safety of the environment?</p> <p>No anticipated activities associated with the construction or operation of the proposal would result in a safety risk for the environment.</p>	Nil
<p>Any reduction in the range of beneficial uses of the environment?</p> <p>The proposal would not impact land use in the area</p>	Nil

Factor	Impact
<p>Any pollution of the environment?</p> <p>Construction of the proposal would result in dust generation and air and noise emissions from machinery and construction vehicles. The management measures proposed in this REF would help reduce these impacts.</p> <p>During operation, pollution would largely be consistent with the current use.</p>	<p>Short-term, local, negative</p> <p>Long-term, local, neutral</p>
<p>Any environmental problems associated with the disposal of waste?</p> <p>During construction, a number of waste streams would be produced by the proposal. Waste would be classified to identify suitable recycling and safe disposal methods in accordance with Roads and Maritime <i>Environmental Procedure – Management of Wastes on Roads and Maritime Services Land</i> and the requirements of the Waste Classification Guidelines.</p> <p>During operation, waste generation is expected to be minimal and consistent with the current use.</p>	<p>Short-term, local, negative</p> <p>Nil</p>
<p>Any increased demands on resources (natural or otherwise) that are, or are likely to become, in short supply?</p> <p>The proposal is unlikely to affect any resources that are, or are likely to become, in short supply.</p>	<p>Nil</p>
<p>Any cumulative environmental effect with other existing or likely future activities?</p> <p>There is potential for adverse cumulative impacts to occur during construction of the project, including traffic, noise, air quality and visual amenity impacts. These impacts would be short-term and manageable.</p>	<p>Short-term, regional, negative</p>
<p>Any impact on coastal processes and coastal hazards, including those under projected climate change conditions?</p> <p>The proposal would not impact coastal processes or coastal hazards, including those under projected climate change conditions.</p>	<p>Nil</p>

Matters of National Environmental Significance

Under the environmental assessment provisions of the EPBC Act, 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 and Energy.

A referral is not required for proposed actions that may affect nationally listed threatened species, endangered ecological communities and migratory species. Impacts on these matters are still assessed as part of the REF in accordance with Australian Government significant impact criteria and taking into account relevant guidelines and policies.

Factor	Impact
<p>a) Any impact on a World Heritage property?</p> <p>There are no World Heritage Properties in the vicinity of the proposal</p>	Nil
<p>Any impact on a National Heritage place?</p> <p>There are no National Heritage Places in the vicinity of the proposal</p>	Nil
<p>Any impact on a wetland of international importance?</p> <p>There are no wetlands of international importance in the vicinity of the proposal</p>	Nil
<p>Any impact on a listed threatened species or communities?</p> <p>The proposal would result in 0.81 ha of threatened ecological community being removed. Six threatened micro-bat species were also identified as potentially being present in the construction footprint and the vulnerable grey-headed flying fox was recorded in the construction footprint. The biodiversity assessment report concluded that changes as a result of the proposal would not be significant for ecosystem health in the area.</p>	Minor
<p>Any impacts on listed migratory species?</p> <p>While nine migratory species listed under the EPBC Act were identified as having the potential to occur in the area their presence in the local area is considered unlikely due to the disturbed and fragmented nature of the habitat locally. No migratory species or associated habitat were observed in the field.</p>	Nil
<p>Any impact on a Commonwealth marine area?</p> <p>There are no Commonwealth marine areas in the vicinity of the proposal</p>	Nil
<p>Does the proposal involve a nuclear action (including uranium mining)?</p> <p>The proposal does not involve any nuclear action</p>	Nil
<p>Additionally, any impact (direct or indirect) on Commonwealth land?</p> <p>The proposal does not impact Commonwealth land</p>	Nil

