



Australian Government

BUILDING OUR FUTURE



Jane Street and Mulgoa Road Infrastructure Upgrade Review of Environmental Factors

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

October 2016



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>Construction of the proposal would have a number of environmental impacts. The local community would experience changing traffic conditions, disruption to rail services on the T1 Western Line (operated by Sydney Trains) and the Blue Mountains Line (operated by NSW TrainLink), an altered visual amenity and noise and air quality impacts. The management measures proposed in this REF would help reduce these impacts.</p> <p>The proposal would allow for improved traffic capacity, travel times and road safety at the Jane Street – Great Western Highway and Mulgoa Road – Castlereagh Road intersections, more efficiency bus services and better connectivity and accessibility in the area.</p>	<p>Short-term negative impacts</p> <p>Long-term positive impacts</p>
<p>b. Any transformation of a locality?</p> <p>The proposal would have some minor visual, air and noise amenity impacts during construction. The management measures proposed in this REF would help reduce these impacts.</p> <p>The proposal would result in the permanent removal of heritage fabric from the existing railway bridge crossing over Castlereagh Road. This is part of a locally listed heritage group. Replacement of the bridge would allow train services to continue along the original rail alignment. The proposal would also result in some tree removal and permanent landscaping changes to Woodriff Gardens, resulting in a reduction to public open space and the visual amenity of Woodriff Gardens.</p>	<p>Short-term negative impacts</p> <p>Long-term negative impacts</p>
<p>c. Any environmental impact on the ecosystems of the locality?</p> <p>The proposal is located in a heavily urbanised environment and primarily limited to the existing road corridor. Construction activities may result in the removal of some trees; however, would not impact on ecosystems in the locality.</p>	<p>Nil</p>

Factor	Impact
<p>d. 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, as well as a reduction of recreational values at Woodriff Gardens. The management measures proposed in this REF would help reduce these impacts.</p> <p>The proposal would also result in some tree removal and permanent landscaping changes to Woodriff Gardens, resulting in a reduction to public open space and the visual amenity of Woodriff Gardens.</p>	<p>Short-term negative impacts</p> <p>Long-term negative impacts</p>
<p>e. 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>The proposal would result in the permanent removal of heritage fabric from the existing railway bridge crossing over Castlereagh Road. This is part of a locally listed heritage group. Replacement of the bridge would allow train services to continue along the original rail alignment.</p>	<p>Long-term negative impacts</p>
<p>f. 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 is unlikely to impact upon the habitat of protected fauna.</p>	<p>Nil</p>
<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 life.</p>	<p>Nil</p>
<p>h. Any long-term effects on the environment?</p> <p>The proposal would have short-term environmental impacts, largely restricted to the construction period. The management measures proposed in this REF would help reduce these impacts.</p>	<p>Long-term neutral impacts</p>
<p>i. 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 minor and 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 negative impacts</p> <p>Long-term neutral impacts</p>

Factor	Impact
<p>j. Any risk to the safety of the environment?</p> <p>During construction, the proposal may require the transportation and storage of hazardous or contaminated materials in limited quantities. These materials would be managed in accordance with the mitigation measures proposed in this REF. The potential risk to the safety of the environment would be minor and limited to the construction period.</p>	<p>Short-term negative impacts</p>
<p>k. Any reduction in the range of beneficial uses of the environment?</p> <p>The proposal would have temporary impacts to the beneficial uses of the environment during construction. These would mainly be associated with changes to traffic conditions and reduction of recreational values at Woodriff Gardens. These impacts are anticipated to be minor and manageable through the mitigation measure proposed in this REF.</p> <p>Operation of the proposal would be overall consistent with the current use of the environment; however, there may be some reduction to recreational space at Woodriff Gardens.</p>	<p>Short-term negative impacts</p> <p>Long-term neutral impacts</p>
<p>l. 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 negative impacts</p> <p>Long-term neutral impacts</p>
<p>m. 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 negative impacts</p> <p>Long-term neutral impacts</p>
<p>n. 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>

Factor	Impact
<p data-bbox="164 197 1126 259">o. Any cumulative environmental effect with other existing or likely future activities?</p> <p data-bbox="164 297 1126 461">There is potential for adverse cumulative impacts to occur during construction of the project, including traffic and transport, noise, air quality and visual amenity impacts. These impacts would be short-term and manageable. Further, all cumulative impacts can be justified by the long-term positive impacts of the proposal.</p>	<p data-bbox="1161 297 1426 360">Short-term negative impacts</p> <p data-bbox="1161 398 1406 461">Long-term positive impacts</p>
<p data-bbox="164 495 1126 557">p. Any impact on coastal processes and coastal hazards, including those under projected climate change conditions?</p> <p data-bbox="164 595 1070 658">The proposal would not impact coastal processes or coastal hazards, including those under projected climate change conditions.</p>	<p data-bbox="1161 595 1198 622">Nil</p>



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October 2016
RMS 16.529