

Appendix A – Director General’s Requirements and checklist

Director General’s Requirement	Where addressed in the EIS
General requirements	
The Environmental Impact Statement (EIS) must be prepared in accordance with, and meet the minimum requirements of, Part 3 of Schedule 2 of the Environmental Planning and Assessment Regulation 2000 (the Regulation), including:	This EIS (including Certification) and Application for State Significant Infrastructure
1. the information required under clause 6 of Schedule 2 of the Regulation.	Certification and Application for State Significant Infrastructure
2. the content listed in clause 7 of Schedule 2 of the Regulation, including but not limited to:	This EIS (refer to table of contents)
o a summary of the environmental impact statement;	Executive summary
o a statement of the objectives of the project, including a description of the strategic need, justification, objectives and outcomes for the project, the aims and objectives of relevant strategic planning and transport policies, including NSW 2021, the Metropolitan Plan for Sydney 2036 and the draft North West Subregional Strategy;	Chapter 3 (project need, objectives and strategic justification) and Chapter 11 (justification and conclusions)
o an analysis of feasible alternatives to the carrying out of the project and project justification, including: ➤ an analysis of alternatives/options considered having regard to the project objectives (including an assessment of the environmental costs and benefits of the project relative to alternatives and the consequences of not carrying out the project), and the provision of a clear discussion of the route development and selection process, the suitability of the chosen alignment and whether or not the project is in the public interest, and ➤ justification for the preferred project taking into consideration the objects of the Environmental Planning and Assessment Act 1979.	Chapter 3 (project justification), Chapter 4 (description and analysis of project alternatives and justification for selection of preferred option) and Chapter 11 (justification for the project, including taking into account the objects of the Environmental Planning and Assessment Act)
o an analysis of the project including an assessment, with a particular focus on the requirements of the listed key issues, in accordance with clause 7(1)(d) of Schedule 2 of the Regulation (where relevant), including an identification of how relevant planning, land use and development matters (including relevant strategic and statutory matters) have been considered in the impact assessment (direct, indirect and cumulative impacts) and/or in developing management/ mitigation measures; and	Chapter 2 (statutory matters), Chapter 3 (planning matters), Chapter 5 (project description), Chapters 7 to 10 (existing conditions, potential impacts and mitigation measures for key and other issues)
o detail how the principles of ecologically sustainable development will be incorporated in the design, construction and ongoing operation phases of the project.	Section 11.1.3

Director General's Requirement	Where addressed in the EIS
Key issues	Chapter 7
The EIS must address the following specific matters:	
Heritage – including but not limited to:	Sections 7.1 and 7.2
impacts to State and local historic heritage (including archaeology, heritage items and conservation areas), in particular, impacts on the Thompson Square Conservation Area, heritage listed buildings and sites in the Thompson Square conservation area and the Windsor Bridge should be assessed.	Section 7.1.4
Where impacts to State or locally significant historic heritage items are identified, the assessment shall:	
o outline the proposed mitigation and management measures (including measures to avoid significant impacts and an evaluation of the effectiveness of the mitigation measures) generally consistent with the guidelines in the NSW Heritage Manual (1996),	Section 7.1.5, 7.4.4 & 7.4.6
o be undertaken by a suitably qualified heritage consultant(s) (note: where archaeological excavations are proposed the relevant consultant must meet the NSW Heritage Council's Excavation Director criteria),	Working papers 1 & 2 Section 7.1
o include a statement of heritage impact for all heritage items (including significance assessment),	Working papers 1 & 2 Section 7.1.3
o consider impacts from vibration, demolition, archaeological disturbance, altered historical arrangements and access, landscape and vistas, and architectural noise treatment, and	Section 7.1.4 and Section 7.5
o develop an appropriate archaeological assessment methodology, including research design, to guide physical archaeological test excavations (terrestrial and maritime) and include the results of these excavations;	Section 7.1.2 and Working papers 1 & 2
impacts to Aboriginal heritage (including cultural and archaeological significance), in particular impacts to potential archaeological deposits (PAD) on the northern and southern banks of the Hawkesbury River and archaeological objects/ relics below the existing built environment should be assessed.	Section 7.2.3
Where impacts are identified, the assessment shall:	
o outline the proposed mitigation and management measures (including measures to avoid significant impacts and an evaluation of the effectiveness of the measures) generally consistent with the Draft Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation (Department of Environment and Conservation, 2005),	Section 7.2.4
o be undertaken by a suitably qualified heritage consultant(s),	Section 7.2 & working paper 3
o demonstrate effective consultation with Aboriginal communities in determining and assessing impacts and developing and selecting options and mitigation measures (including the final proposed measures), and	Section 7.2.1, Chapter 6 and working paper 3

Director General's Requirement	Where addressed in the EIS
o develop an appropriate archaeological assessment methodology, including research design, to guide physical archaeological test excavations of the areas of PAD identified in a manner that establishes the full spatial extent and significance of any archaeological evidence across each area of PAD, and include the results of these excavations.	Section 7.2.1 and working paper 3
Transport – including but not limited to:	Section 7.3
• Demonstration of how the preferred bridge alignment and design meets the traffic and transport objectives of the project	Section 7.3.4
• Justification for the capacity of the bridge, taking into account future growth areas and traffic (vehicular, cyclist and pedestrian) needs;	Section 7.3.4
• Construction traffic access to the project (including ancillary facilities) and associated management measures, in particular impacts to the road network (including safety and level of service, access to the town centre and tourist and recreational facilities, disruption to public transport services and access to properties);	Section 7.3.3 and 7.3.5
• Operational traffic and transport impacts to the local and regional road network, including impacts of the new bridge alignment through the town centre and Thompson Square;	Section 7.3.4
• Impacts of the project (construction and operational) on the use and access to Windsor Wharf, and existing and future maritime and recreational use of the Hawkesbury River; and	Section 7.3.3 and Section 7.3.4
• Safety of navigation in the Hawkesbury River for the water based traffic.	Section 7.3.3 and Section 7.3.4
Visual Amenity, Urban Design and Landscaping – including but not limited to:	Section 7.4
• a description of the visual significance of the bridge surrounds, Thompson Square, river foreshore and landscape setting, and an assessment of the visual impact of the project on the landscape and urban design character of the area, including built form (materials and finishes), urban design (height, bulk and scale), views to and from Thompson Square, the town centre and river foreshore areas, and design details such as lighting, balustrades and street furniture;	Section 7.4.2 (visual significance), Section 7.4.5 (visual impact) and Section 7.4.4 (design details)
• the overshadowing impact of the bridge on the public domain, including open space, parks and parklands, river foreshore areas and Thompson Square, and adjoining residential/ commercial uses; and	Section 7.4.5
• the landscape and urban design objectives for the reinstatement and rehabilitation of Thompson Square, taking into account Council's desired future landscape and urban design character of this locality.	Sections 7.4.3 and Section 7.4.4
The EIS must include:	

Director General's Requirement	Where addressed in the EIS
o details of landscaping treatment and integration with the public domain and historic values of Thompson Square and surrounds, in particular the integration of the existing road corridor with Thompson Square and the new bridge alignment and approach roads, and	Section 7.4.4
o details of integration of the bridge and Thompson Square with existing and future pedestrian and cycle networks, including design and safety measures for pedestrian and cycle access on the bridge.	Section 7.3.2, 7.3.4, 3.1 and 5.2.4
Noise and Vibration – including but not limited to:	Section 7.5
• Assess construction and operational noise and vibration impacts of the project, in accordance with the Interim Construction Noise Guideline (Department of Environment and Climate Change, 2009), NSW Road Noise Policy (Department of Environment, Climate Change and Water, 2011), and Assessing Vibration: a Technical Guideline (Department of Environment and Conservation, 2006).	Section 7.5.4 (construction noise and vibration) and Section 7.6.5 (operational noise and vibration)
Soils, Sediments and Water - including but not limited to:	Sections 7.6 and 7.7
• erosion and sediment impacts on the Hawkesbury River during construction/ operation; including an assessment of water quality; mitigation measures to prevent water pollution; details of the proposed storm water management measures for the containment of pollutants; and waste handling;	Section 7.6.2 (existing water quality), Sections 7.6.3 to 7.6.5 (potential impacts), and Section 7.6.6 (mitigation and management measures)
• justification for the proposed flood immunity and an assessment of the flooding impacts and characteristics to and from the project, including consideration of changes to rainfall frequency and/or intensity as a result of climate change; and	Section 7.7.3
• the potential impacts on flow velocities and directions, and impacts on bed and bank stability as a result of removal of the existing bridge and relocation of a new bridge downstream.	Section 7.7.3
Land use, property and socio-economic – including but not limited to:	Section 7.8
• Impacts on directly affected properties and land uses, including impacts related to access, land use, property acquisition and amenity related changes.	Section 7.8.3 and 7.8.4
• Impacts of the project on tourist and recreational uses of Thompson Square, the town centre and the Hawkesbury River and its foreshores.	Section 7.8.3 and 7.8.4
• Social and economic impacts to the Windsor town centre businesses and the community associated with traffic, access, property, public domain and amenity related changes.	Section 7.8.3 and 7.8.4
Flora and Fauna - including but not limited to:	Section 7.9
• impacts on the biodiversity values of the site and adjoining areas, including terrestrial, riparian and aquatic areas;	Section 7.9.3 and 7.9.4

Director General's Requirement	Where addressed in the EIS
impacts on critical habitats, threatened species, populations or ecological communities and their habitats; and	Section 7.9.3 and 7.9.4
taking into account the Draft Guidelines for Threatened Species Assessment (Department of Environment and Conservation, 2005).	Section 7.9.2
Air Quality – including but not limited to:	Section 7.10
The EIS must address air quality matters including but not limited to activities that have the potential to impact on local and regional air quality and details of the proposed mitigation measures to prevent the generation and emission of dust.	Section 7.10.4 (potential impacts) and Section 7.10.5 (mitigation measures)
Environmental Risk Analysis – notwithstanding the above key assessment requirements, the EIS must include an environmental risk analysis to identify potential environmental impacts associated with the project (construction and operation), proposed mitigation measures and potentially significant residual environmental impacts after the application of proposed mitigation measures. Where additional key environmental impacts are identified through this environmental risk analysis, an appropriately detailed impact assessment of this additional key environmental impact must be included in the EIS.	Chapter 9
Consultation	Chapter 6
During the preparation of the EIS, you should undertake an appropriate and justified level of consultation with relevant parties, including but not limited to:	
- Local, State and Commonwealth government authorities including the: - Department of Primary Industries – Agriculture and Fishing and Aquaculture - Heritage Council of NSW - Maritime Services - NSW Office of Water - Office of Environment and Heritage - Transport for NSW and - Hawkesbury City Council	Section 6.2
Specialist interest groups, including Local Aboriginal Land Councils, Aboriginal stakeholders	Section 6.2
Utilities and service providers	Section 6.2.3
The public, including community groups and adjoining and affected landowners.	Section 6.2
The EIS must describe the consultation process, document consultation undertaken and identify the issues raised (including where these have been addressed in the EIS).	Sections 6.1 to 6.3

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Appendix B – Environmental Planning and Assessment Regulation 2000

Requirement	Where addressed in the EA
6 Form of the environmental impact statement	
An environmental impact statement must contain the following information:	
a) the name, address and professional qualifications of the person by whom the statement is prepared,	Certification page
b) the name and address of the responsible person,	Certification page
c) the address of the land: i) in respect of which the development application is made, or ii) on which the activity or infrastructure to which the statement relates is to be carried out,	Certification page
d) a description of the development, activity or infrastructure to which the statement relates,	Certification page
e) an assessment by the person by whom the statement is prepared of the environmental impact of the development, activity or infrastructure to which the statement relates, dealing with the matters referred to in this Schedule, and	Certification page
f) a declaration by the person by whom the statement is prepared to the effect that: i) the statement has been prepared in accordance with this Schedule, and ii) the statement contains all available information that is relevant to the environmental assessment of the development, activity or infrastructure to which the statement relates, and iii) that the information contained in the statement is neither false nor misleading.	Certification page
7 Content of the environmental impact statement	
1) An environmental impact statement must also include each of the following:	
a) a summary of the environmental impact statement,	Executive summary
b) a statement of the objectives of the development, activity or infrastructure,	Section 3.3 - Project objectives
c) an analysis of any feasible alternatives to the carrying out of the development activity or infrastructure, having regard to its objectives, including the consequences of not carrying out the development, activity or infrastructure,	Chapter 4 – Project development and alternatives
d) an analysis of the development, activity or infrastructure, and	Chapter 4 and Chapter 5
i) a full description of the development, activity or infrastructure,	Chapter 5 – Project description

Requirement	Where addressed in the EA
ii) a general description of the environment likely to be affected by the development activity or infrastructure, together with a detailed description of those aspects of the environment that are likely to be significantly affected, and	Executive summary Chapter 7 – Assessment of key issues
iii) the likely impact on the environment of the development, activity or infrastructure, and	Chapter 7 – Assessment of key issues
iv) a full description of the measures proposed to mitigate any adverse effects of the development, activity or infrastructure on the environment, and	Chapter 7 – Assessment of key issues and Chapter 10
v) a list of any approvals that must be obtained under any other Act or law before the development, activity or infrastructure may lawfully be carried out,	Section 2.2.1 NSW legislation
e) compilation (in a single section of the environmental impact statement) of the measures referred to in item (d)(iv),	Chapter 10 – Environmental management measures
f) the reasons justifying the carrying out of the development, activity or infrastructure in the manner proposed, having regard to biophysical, economic and social considerations, including the principles of ecologically sustainable development set out in subclause (4) of Schedule 2 Part 3 Section 7.	Chapter 11 – Project justification and conclusions Section 11.1.3 – Ecologically sustainable development
2) Subclause (1) is subject to the environmental assessment requirements that relate to the environmental impact statement.	DGRs are addressed throughout the document.
3) Not applicable	
4) Principles of ecologically sustainable development	Section 11.1.3