

Appendix C

Checklist of Director-General's
Requirements

Table C.1 Checklist of Director-General's Requirements

Issues raised	Reference in environmental assessment
General requirements	
An executive summary .	Executive summary
A detailed description of the project including:	Chapters 5 and 6
Route alignment and corridor width.	Sections 5.3.2
Design elements (e.g. construction of temporary crossings, bridges, culverts, creek diversions, geotechnical investigations, excavating or reclaiming the bed or banks of any waterways, requirements for level of service (LOS), pedestrian and cyclist facilities etc.).	Sections 3.2.1, 5.3.4, 5.3.5, 5.3.9, 6.6.3
Potential staging.	Section 6.2.1
Ancillary facilities (e.g. compound site, batching plants etc.).	Section 6.6
Resourcing (e.g. construction material needs, spoil disposal, natural resource consumption including water etc.).	Section 6.3
An assessment of key issues , with the following aspects addressed for each key issue (where relevant):	Chapter 9 Technical Papers (Volume 2)
- Describe the existing environment. - Assess the potential impacts of the proposal (direct, indirect and cumulative) at both construction and operation stages, in accordance with relevant policies and guidelines. - Identify how relevant planning, land use and development matters (including relevant strategic and statutory matters), have been considered in the impact assessment and/or in developing management/mitigation measures. - Describe measures to be implemented to avoid, minimise, manage, mitigate, offset and/or monitor the impacts of the project and the residual impacts.	
A draft Statement of Commitments (SoC) . The SoC must incorporate or otherwise capture all measures to avoid, minimise, manage, mitigate, offset and/or monitor impacts identified in the impact assessment sections of the EA and ensure that the wording of the SoC clearly articulates the desired environmental outcome of the commitment. The SoC must be achievable, measurable (with respect to compliance) and time specific where relevant.	Chapter 11
Certification by the author of the EA that the information contained in the assessment is neither false nor misleading.	Statement of validity
Key issues	
Strategic justification — describe the strategic need, justification and objectives for the project (including performance indicators), and consistency with the aims and objectives of relevant National and State planning policies and provisions, such as the <i>National Land Transport Plan</i> (Auslink) and <i>State Infrastructure Strategy — New South Wales 2008-09 to 2017-18</i> .	Chapter 3

Issues raised	Reference in environmental assessment
Project justification — describe the need for and objectives of the project; alternatives considered and justification for the preferred project, taking into consideration the objects of the <i>Environmental Planning and Assessment Act 1979</i> and the following:	Chapters 4 and 12
▪ The environmental, social and economic impacts of the project.	Sections 12.1, 12.2
▪ The suitability of the site.	Sections 12.1, 12.2
▪ Whether or not the project is in the public interest.	Sections 12.1, 12.2, 12.3
Traffic and transport — including, but not limited to:	
▪ Demonstrate how the preferred route and road design meets the traffic and transport objectives for the project, particularly with respect to increasing infrastructure handling capacity and efficiency, and improving transport productivity on nationally strategic and export-oriented freight corridors.	Section 9.6.1, 9.6.4, 3.3, 12.1.1 Technical Paper 6 (Volume 2)
▪ Construction traffic impacts, including spoil haulage routes and potential disruption to existing school bus services and travelling stock routes.	Section 9.6.3 Technical Paper 6 (Volume 2)
▪ Operational traffic and transport impacts to the local and regional road network, including direct impacts from replacement of the existing highway that currently passes through the town centre.	Section 9.6.4 Technical Paper 6 (Volume 2)
▪ Traffic capacity of the proposal and its ability to cater for predicted growth. Consideration should be given to what effect potential major land use changes in the locality may have on the traffic assessment outcomes.	Section 9.6.4 Technical Paper 6 (Volume 2)
▪ Opportunity for the provision of cycle way connections along the highway and to adjoining communities.	Section 9.6.4 Technical Paper 6 (Volume 2)
Noise and vibration — including but not limited to:	
▪ Construction noise and vibration, including construction traffic noise and blasting impacts.	Section 9.4.5 Technical Paper 5 (Volume 2)
▪ Operational road traffic noise impacts including consideration of local meteorological conditions (as relevant) and any reflective noise impacts from proposed noise mitigation barriers.	Section 9.4.4 Technical Paper 5 (Volume 2)
▪ The assessment must take into account the following guidelines as relevant: <i>Environmental Criteria for Road Traffic Noise</i> (EPA, 1999), <i>Environmental Noise Management Manual</i> (RTA, 2001), <i>Draft New South Wales Construction Noise Guideline</i> (formerly published as Chapter 171 of the EPA's <i>Environmental Noise Control Manual</i>), <i>Assessing Vibration: A Technical Guideline</i> (DEC, 2006), and <i>Technical Basis for Guidelines to Minimise Annoyance Due to Blasting Overpressure and Ground Vibration</i> (ANZECC, 1990).	Section 9.4.1, 9.4.2, 9.4.3 Technical Paper 5 (Volume 2)
<i>DGR clarification issued on 29 May 2009:</i>	Section 9.4.3
▪ The Draft New South Wales Construction Noise Guidelines have not been finalised. Accordingly, the Director-General requires that the construction noise assessment take into account chapter 171 of the <i>Environmental Noise Control Manual</i>	Technical Paper 5 (Volume 2)

Issues raised	Reference in environmental assessment
Flora and fauna — including, but not limited to:	
Assessment of threatened terrestrial and aquatic species, populations, ecological communities and/or critical habitat, consistent with the Threatened Species Assessment Guidelines (DECC, 2007), including details on the existing site conditions and quantity and likelihood of disturbance.	Sections 9.1.2, 9.1.3 Technical Paper 1 (Volume 2)
Targeted surveys of threatened flora and fauna species, including White Box, Yellow Box, Blakely's Red Gum Woodland, Hooded Robin, Brown Treecreeper and Squirrel Glider.	Sections 9.1.1, 9.1.2 Technical Paper 1 (Volume 2)
Native vegetation loss; weed infestation, habitat fragmentation, impacts to wildlife corridors including riparian corridors; and impacts to groundwater dependent communities, riparian and aquatic habitat.	Section 9.1.3 Technical Paper 1 (Volume 2)
Aboriginal heritage — including but not limited to:	
Detailed archaeological heritage assessment, including archaeological survey to determine the extent of Aboriginal occupation and land use.	Sections 9.2.1, 9.2.2, 9.2.3 Technical Paper 2 (Volume 2)
Cultural heritage assessment to identify the cultural value of the area to Aboriginal people in the present and historically	Sections 9.2.1, 9.2.2, 9.2.3 Technical Paper 2 (Volume 2)
Social and economic — including but not limited to:	
The agricultural sector taking into account the fragmentation and potential loss of prime agricultural land, stock diseases and the impact of a revised road network on quarantined properties and travelling stock reserves/route.	Sections 9.5.2, 9.5.3, 9.5.4
Local community socio-economic impacts arising from changes to landuse, property, amenity and connectivity.	Sections 9.5.2, 9.5.3, 9.5.4
Business (including agribusinesses) impacts including overall viability, profitability, productivity and sustainability of businesses.	Sections 9.5.2, 9.5.3, 9.5.4
Surface and Ground Water — including but not limited to:	
Site water demands and water supply.	Sections 6.3.2, 9.3.3, 9.3.4 Technical Papers 3, 4 (Volume 2)
Existing and proposed water licensing requirements under the <i>Water Act 1912</i> and <i>Water Management Act 2000</i>	Sections 9.3.2, 9.3.3 Technical Papers 3, 4 (Volume 2)
Impacts to watercourses, riparian corridors, wetlands and groundwater dependent ecosystems.	Sections 9.1.3, 9.3.3, 9.3.4 Technical Papers 3, 4 (Volume 2)
Identify changes to existing flood regimes in accordance with the <i>NSW Floodplain Development Manual</i> (2005).	Section 9.3.3 Technical Paper 3 (Volume 2)
Impacts on water supply for identified local agri-businesses	Sections 9.3.3, 9.3.4 Technical Papers 3, 4 (Volume 2)

Issues raised	Reference in environmental assessment
Environmental risk analysis (ERA) — notwithstanding the above key assessment requirements, the EA 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 EA.	Chapter 8
Consultation	
Undertake an appropriate and justified level of consultation with relevant parties during the preparation of the EA, including: ▪ Local, State or Commonwealth government authorities and service providers including the Department of Environment and Climate Change, the Department of Primary Industries, the Department of Water and Energy, the Heritage Office and the Greater Hume Shire Council. ▪ Specialist interest groups, including Local Aboriginal Councils. ▪ The public, including affected land owners.	Sections 4.1, 7.3, 7.4
The EA must describe the consultation process, document all community consultation undertaken to date and identify the issues raised (including where these have been addressed in the EA).	Chapter 7

Table C.2 Checklist of relevant guidelines

Guideline	Reference in environmental assessment
Soils and Water	
Managing Urban Stormwater: Soils and Construction (Landcom, 2004)	Section 10.2
NSW Groundwater Dependent Ecosystem policy (Department of Land and Water Conservation, 2002)	Section 9.1 Technical Paper 1 (Volume 2)
NSW Ground Quantity Management Policy (Department of Land and Water Conservation) Draft	Section 10.2
NSW Groundwater Quality Protection Policy (Department of Land and Water Conservation, 1998)	Section 9.3 Technical Paper 4 (Volume 2)
NSW State Rivers and Estuaries Policy (NSW Water Resources Council, 1993)	Section 9.3 Technical Paper 3 (Volume 2)
Heritage	
Draft Guidelines for Assessment of Impacts on Aboriginal Heritage under Part 3A (Department of Planning, 2005)	Section 9.2 Technical Paper 2 (Volume 2)
Aboriginal Cultural Heritage: Standards and Guidelines (DEC, 2005)	Section 9.2 Technical Paper 2 (Volume 2)
Air Quality	
Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (DECC, 2005)	Section 10.4