Table 3.1: Revised Statement of Commitments

| Objective | Ref # | Commitment | Timing | Reference Document |
|---|---|---|---|---|
| **General** | | | | |
| Ensure the adequacy and compliance of environmental management measures | GE1 | Environmental Management System(s) will be established and maintained to implement best practice management for environmental impacts. | Pre-Construction and Construction | RTA Specification DCM G36<br>ISO 14001 |
| | GE2 | Dedicated environmental personnel appointed to monitor the performance of the environmental management measures of the Proposal. | Pre-Construction and Construction | |
| **Consultation** | | | | |
| Ensure effective and receptive consultation with the community is undertaken | C1 | Newsletters and media coverage will be used regularly to cover the proposed works schedule, areas in which these works are proposed and the construction hours. The newsletters and media coverage will provide contact names and phone numbers of relevant staff. | Pre-Construction and Construction | RTA Community Involvement Practice Notes and Resource Manual (RTA 1998) |
| | C2 | An internet site which contains periodic updates of work progress, consultation activities and planned work schedules will be established and maintained regularly. The internet site will provide contact names and phone numbers of relevant staff. | Pre-Construction and Construction | RTA Community Involvement Practice Notes and Resource Manual (RTA 1998) |
| Ensure effective management of complaints | C3 | A 24 hour toll-free complaints contact telephone number will be established for the Proposal. | Pre-Construction | RTA Community Involvement Practice Notes and Resource Manual (RTA 1998)<br>AS 4269 Complaints Handling |
| | C4 | A system to receive, record, track and respond to complaints within a specified timeframe will be established. | Pre-Construction and Construction | RTA Community Involvement Practice Notes and Resource Manual (RTA 1998)<br>AS 4269 Complaints Handling |
| **Biodiversity** | | | | |
| Minimise native vegetation disturbance | B1 | The limits of clearing and other native vegetation disturbance will be clearly marked on relevant work plans and on site with temporary fencing installed prior to clearing. | Construction | RTA QA Specification G40 Clearing and Grubbing |
| | B2 | Equipment storage areas and stockpile areas will be located in existing cleared locations. | Construction | RTA Stockpile Management Procedures 2001 |

| Objective | Ref # | Commitment | Timing | Reference Document |
|---|---|---|---|---|
| Minimise weed establishment | B3 | Soil containing weeds will be stockpiled at least 25 m away from watercourses and native vegetation. Sediment fences will be erected down slope from stockpiled soil. | Construction | RTA QA Specification R178 Vegetation<br>RTA Stockpile Management Procedures 2001 |
| | B4 | Noxious weeds in areas disturbed by construction activities will be managed for a minimum of two years post-construction completion. | Construction and Post-Construction | RTA QA Specification G40 Clearing and Grubbing<br>*Noxious Weeds Act 1993* |
| Offset the residual impacts of the Proposal on biodiversity, particularly on Box Gum woodland and habitat for threatened species so as to maintain or improve biodiversity values in the area in the long term | B5 | A biodiversity offset strategy will be developed in consultation with DECC and other relevant government agencies. The offset strategy will include but not be limited to:<br>• Revegetation within the road corridor<br>• Revegetation on other land<br>• A range of management actions to improve the regional, landscape or site value of native vegetation within the region.<br>The strategy will be developed utilising the relevant principles within the Biometric and threatened species assessment tools outlined within the Native Vegetation Regulation 2005. | Pre-Construction and Construction | DEC Restoration and Rehabilitation Guidelines<br>RTA Compensatory Habitat Policy and Guideline (draft)<br>Biometric and threatened species assessment tools (Native Vegetation Regulation 2005) |
| | B6 | Disturbed areas will be progressively revegetated using Box Gum Woodland plant species of local provenance | Construction | |
| Minimise impacts on hollow dependent fauna species | B7 | An appropriately qualified person will check tree hollows prior to clearing for hollow-dependent fauna. Fauna found occupying tree hollows will be relocated into suitable available hollows or nesting boxes within adjacent vegetation. The suitability of adjacent vegetation for relocation will be determined on the basis of expert advice. | Construction | |
| | B8 | Stands containing hollow-bearing trees will be cleared using a two stage clearing process with adjacent non-hollow-bearing trees to be cleared first. | Construction | |
| | B9 | An appropriately qualified person will provide advice on any relocation of logs and dead trees that are to be cleared to provide habitat in adjacent areas where feasible and practicable. Such relocation will be undertaken in a manner to minimise damage to existing vegetation and will not occur in high condition remnant vegetation. | Construction | |

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| | B10 | Nest boxes will be fixed to suitable retained vegetation and in a way that does not damage the tree. | Construction and Post-Construction | |
| Maintain terrestrial fauna connectivity | B11 | Drainage culverts will be designed to facilitate movement of fauna species where feasible. | Pre-Construction | |
| | B12 | Expert advice will be sought to assist in identifying the need and location for crossing points for Squirrel Glider populations. Based on this advice and in consultation with DECC, the location and design of these crossing points will be incorporated into the Proposal. | Pre-Construction | |
| | B13 | Expert advice will be sought to assist in identifying the need and location for crossing points based on the areas of potential habitat for the Pink-tailed Worm-lizard and Striped Legless Lizard. Based on this advice and in consultation with DECC, the location and design of crossing points will be incorporated into the Proposal where feasible. | Pre-Construction | |
| Minimise impacts to Pink-tailed Worm-lizard and Striped Legless Lizard | B14 | An appropriately qualified person will check Pink-tailed Worm-lizard and Striped Legless Lizard habitat prior to construction. Individuals found in the construction footprint will be relocated into suitable habitat. The suitability of adjacent habitat for relocation will be determined on the basis of expert advice. | Pre-Construction | |
| Ensure effectiveness of threatened species mitigation measures | B15 | A Threatened Species Monitoring Program will be developed to allow the effectiveness of mitigation and offset measures to be assessed and allow for their modification if necessary. | Pre-Construction, Construction and Post Construction | |
| Maintain fish passage | B16 | Waterway crossings will be designed to facilitate fish passage where appropriate and in consultation with relevant government agencies. | Pre-Construction | Fishote: Policy and Guidelines for Fish Friendly Waterway Crossings (NSW Fisheries 2003) Why do fish need to cross the road? Fish Passage Requirements for Waterway Crossings (Fairfull and Witheridge 2003) |

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| | B17 | Fish passage will be maintained during construction. | Construction | Why do fish need to cross the road? Fish Passage Requirements for Waterway Crossings (Fairfull and Witheridge 2003) |
| Minimise impacts to aquatic habitat | B18 | Riparian areas disturbed by the Proposal will be progressively revegetated using plant species of local provenance. | Construction | |
| | B19 | DPI Fisheries will be consulted regarding use of cleared vegetation in re-snagging programs for waterways. | Construction | |
| | B20 | Snag management will be undertaken in consultation with relevant government agencies and will follow the management principles of lopping as the first priority followed by realignment, then relocation with removal as the last resort. | Construction | Policy Guidelines for Aquatic Habitat Management and Fish Conservation (NSW Fisheries 1999) |
| | B21 | A monitoring program will be developed to allow the effectiveness of revegetating the riparian areas to be assessed and modified if necessary. | Pre-Construction, Construction and Post Construction | |
| Aboriginal heritage | | | | |
| Minimise impact on Aboriginal heritage items | AH1 | Any Aboriginal heritage items directly or indirectly impacted will be managed in consultation with Aboriginal stakeholders and DECC including development of the appropriate management and mitigation strategy. | Pre-Construction | |
| | AH2 | Test excavation will be undertaken for the following Aboriginal heritage items: T-PAD-1, K3, K10, K-PAD-6, K-PAD-8, K-PAD-9, LB3, LB4, LB-PAD-3, YY7, YY14, YY17, M-PAD-1, M-PAD-3 and LB-PAD-1 and LB-3 (if impacted) and any additional management and mitigation measures will be developed in consultation with Aboriginal stakeholders and DECC. | Pre-Construction | |

| Objective | Ref # | Commitment | Timing | Reference Document |
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| | AH3 | An Aboriginal Cultural Heritage Management Plan (ACHMP) will be prepared, detailing the outcomes of the archaeological test excavations, the proposed mitigation and management measures including the management of any new impacts and any objects encountered during construction, and the process for ongoing consultation of the Aboriginal stakeholders and DECC. The ACHMP will be prepared in consultation with Aboriginal stakeholders and DECC. | Pre-Construction and Construction | |
| | AH4 | Where appropriate through consultation with Aboriginal stakeholders, Aboriginal heritage items within the construction corridor not directly impacted will be marked on construction plans, fenced and signposted where necessary. | Pre-Construction and Construction | |
| | AH5 | All personnel working on site will receive training in their responsibilities under the *National Parks and Wildlife Act 1974*. Site specific training will be developed in consultation with Aboriginal stakeholders and will be given to workers when working in the vicinity of identified heritage items. | Construction | *National Parks and Wildlife Act 1974* |
| | AH6 | Should any human remains be uncovered during works, all works in the vicinity of the find will cease immediately, the Project Manager/Director and the Environmental Manager will notify the NSW Police, DECC, the RTA's Environmental Officer (Heritage) and the RTA's Senior Environmental Officer and will seek specialist advice if required. Works will not re-commence until appropriate clearance has been received. | Construction | *National Parks and Wildlife Act 1974* |
| Non-Aboriginal heritage | | | | |
| Minimise impacts on non-Aboriginal heritage items | H1 | Where the Proposal will directly impact heritage items of state and local significance, detailed heritage investigations and/or research will be performed prior to construction. Information collected will be documented in appropriate archival records. | Pre-Construction | RTA Heritage Guidelines<br>*Heritage Act 1977* |

| Objective | Ref # | Commitment | Timing | Reference Document |
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| | H2 | Where heritage items are not directly impacted, care will be taken to not disturb them. This will include briefing of the construction works team to protect such assets during the construction phase, minimising access and clear delineation of items including fencing and signage would be provided where necessary in consultation with a heritage specialist. Identified heritage items will be clearly marked on construction plans. | Pre-Construction and Construction | |
| | H3 | A Non-Aboriginal Heritage Management Plan (NAHMP) will be prepared, detailing the proposed mitigation and management strategies for all non-Aboriginal heritage items either impacted directly or indirectly, the proposed management strategy for any new objects uncovered during construction activities and the process for consultation with the Heritage Council of NSW. | Pre-Construction | |
| | H4 | All personnel working on site would receive training in their responsibilities under the *Heritage Act 1977*. Site-specific training will be given to workers when working in the vicinity of identified heritage items. | Pre-Construction and Construction | *Heritage Act 1977* |
| Resource Management | | | | |
| Reduce demand on resources | RM1 | Geotechnical investigations will be undertaken to identify suitable material on site for any additional fill material requirements. | Pre-Construction | |
| | RM2 | The Proposal will be designed to achieve balanced earthworks where feasible. | Pre-Construction | |
| | RM3 | Construction practices to minimise water use including investigating opportunities to reuse and recycle water will be adopted. | Pre-Construction and Construction | |
| | RM4 | Appropriate water sources for the construction will be investigated and identified in consultation with the relevant government agency. | Pre-Construction | |
| Minimise transport associated with the demand for resources | RM5 | Where feasible, suitable materials will be obtained from local existing licensed quarries. | Construction | |
| Managing the sourcing of additional fill material outside of the road corridor should it be required | RM6 | Only suitably approved and licensed quarries would be used for fill material outside of the road corridor and accordingly environmental impacts from the use of such quarries would be addressed and managed through appropriate licensing and approval processes. | Pre-construction and Construction | RTA Stockpile Management Procedures 2001 |

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| **Hydrology** | | | | |
| Minimise the impact on groundwater resources and land capability and manage land degradation relating to waterlogging and salinisation | G1 | Strategies will be developed to manage groundwater issues associated with surrounding land uses, including management of recharge areas in consultation with the relevant government agencies. | Construction | |
| Minimise the impact of high water table on road infrastructure | G2 | Appropriate subsurface drainage infrastructure (e.g. blind ditches) will be installed in areas identified as having shallow groundwater levels, to divert groundwater away from pavement subgrade. | Construction | |
| **Traffic** | | | | |
| Minimise impact on traffic due to construction | T1 | Construction vehicle movement arrangements will be developed to minimise impacts on other road users with specific regard to other road works in the region, local traffic movement requirements (stock or machinery) and peak traffic volumes, including long weekends and holiday periods. | Construction | RTA QA Specification G10 Control of Traffic |
| | T2 | Construction will be planned to minimise disruption to traffic including use of road occupancy licences, variable message signage, static signage and coordination between sections as far as feasible through Hume Highway Duplication coordination meetings. | Construction | RTA QA Specification G10 Control of Traffic |
| | T3 | Periodic review and survey of road conditions would be undertaken in consultation with Council(s) and rectification works undertaken as expediently as possible where considered necessary and/or where there are safety concerns. | Construction | |
| **Social and Economic Considerations** | | | | |
| Minimise property impacts to adjacent landholders | E1 | All property will be acquired in accordance with the RTA Land Acquisition Policy. | Pre-Construction | RTA Land Acquisition Policy |
| Minimise impacts to property access following construction | E2 | Negotiations for property acquisition will include consultation on property adjustments where required to maintain farm management practices. | Pre-Construction | |
| Minimise impact to local and regional roads from construction traffic impacts | E3 | Dilapidation surveys of regional and local roads used by construction traffic will be undertaken in consultation with the relevant local government authority. The RTA will be responsible for any necessary repair of deterioration attributable to the impacts of construction traffic. | Pre-Construction and Post-Construction | |

| Objective | Ref # | Commitment | Timing | Reference Document |
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| Minimise the social and economic impact of the construction works on the local community | E4 | Property access will be maintained for the duration of construction with any temporary access requirements being provided in consultation with adjacent landowners where necessary. | Construction | |
| | E5 | Advance notification will be given to property owners on project schedules, construction works and access arrangements. | Pre-Construction and Construction | RTA Community Involvement Practice Notes and Resource Manual (RTA 1998) |
| Air Quality and Greenhouse Gases | | | | |
| Minimise generation of dust | A1 | Dust will be visually monitored and where necessary best practice mitigation measures will be implemented to minimise the generation of dust. | Construction | Australian Design Rules and relevant manufacturers specifications |
| | A2 | Dust deposition gauges will be installed at sensitive locations, and the performance of the dust suppression actions will be assessed against the DECC guideline. | Construction | Approved Methods for Sampling and Analysis of Air Pollutants in NSW (DEC 2007) |
| Minimise greenhouse gas emissions and air pollution | A3 | Plant and equipment will be maintained in a proper and efficient condition and operated in a proper and efficient manner. | Construction | Australian Design Rules and relevant manufacturers specifications |
| | A4 | Greenhouse gas emission targets for the construction of the Proposal will be in line with government guidelines. | Construction | |
| | A5 | There will be no burning of green waste or any other wastes. | Construction | |
| | A6 | Construction will aim to use electrical energy derived from a renewable energy source accredited by the National Green Power Accreditation Steering Group (or equivalent) for the supply of at least 50 per cent of the on-site electrical energy requirement for the Proposal's construction. | Construction | |

| Objective | Ref # | Commitment | Timing | Reference Document |
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| Noise and Vibration | | | | |
| Establish baseline conditions prior to the start of construction | N1 | As necessary, condition surveys will be undertaken on buildings and structures within the potential area of vibration impact prior to commencement of rock-breaking and blasting activities. | Pre-Construction | Technical Basis for Guidelines to Minimise Annoyance Due to Blasting Overpressure and Ground Vibration (ANZECC 1990) |
| Minimise the impact of construction noise and vibration on surrounding residents and where necessary, comply with all relevant standards to reduce noise and vibration to an acceptable level | N2 | The standard construction hours for the Proposal will be 7.00am to 7.00pm Monday to Friday; 7.00am to 4.00pm Saturdays and no work on Sunday or public holidays. | Construction | |
| | N3 | Works required outside of standard construction hours will only be undertaken where the works are essential to be completed in this period and after appropriate consultation with affected residences, the DECC, and local council and would be planned to minimise disruption to freight traffic. | Construction | RTA Environmental Noise Management Manual (RTA 2001) |
| | N4 | All plant and equipment will be well maintained and fitted with adequately maintained silencers that meet the vehicle design specifications. At sensitive locations 'broadband' reversing alarms or other alternative vehicle motion warning systems will be considered in lieu of tonal reversing alarms. | Construction | AS 2436-1981 Guide to Noise Control on Construction, Maintenance and Demolition Sites |
| | N5 | Prior consultation and notification will be undertaken with nearby residences that may be affected by noise or vibration generating activities. | Construction | RTA Environmental Noise Management Manual (RTA 2001)<br>RTA Community Involvement Practice Notes and Resource Manual (RTA 1998) |
| | N6 | Construction compounds will be located to limit noise impacts on adjacent residential premises to not more than 5 dB(A) above background. | Construction | |
| | N7 | Best management practices will be adopted in accordance with the RTA Environmental Noise Management Manual. Inspections and noise monitoring will be undertaken to determine the effectiveness of mitigation strategies. | Construction | RTA Environmental Noise Management Manual (RTA 2001) |

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| | N8 | Controlled blasting techniques will be employed where feasible. Test blasts will be implemented at locations furthest from residential receivers and noise and vibration levels measured at the nearest structures would be undertaken. | Construction | Technical Basis for Guidelines to Minimise Annoyance Due to Blasting Overpressure and Ground Vibration (ANZECC 1990) |
| Minimise the operational noise impact on existing nearby residences | N9 | Mitigation measures implemented in accordance with the RTA Environmental Noise Management Manual. These will be implemented during detailed design and in consultation with relevant property owners. | Construction and Post-Construction | RTA Environmental Noise Management Manual (RTA 2001)<br>Environmental Criteria for Road Traffic Noise (EPA 1999) |
| Visual | | | | |
| Minimise visual impact and continue existing landscape and vegetation types | V1 | Disturbed areas will be progressively revegetated using plant species of local provenance selected in consultation with a qualified landscape officer. | Construction | RTA QA Specification R178 Vegetation |
| | V2 | The landscaping plans for the Proposal will consider the retention of existing views and vistas from the highway having regard to road user safety requirements. | Pre-Construction and Construction | |
| | V3 | Cuttings and embankments will be graded out wherever feasible to reflect and best fit the characteristics of the local landform. | Construction | |
| Waste Minimisation and Management | | | | |
| Reduce creation of waste and maximise re-use and recycling. | W1 | Reuse and recycling and avoidance strategies in accordance with the NSW Government's Waste Avoidance and Resource Recovery Strategy 2006 will be adopted. | Construction | Waste Avoidance and Resource Recovery Strategy 2006 |
| Ensure waste generated is managed appropriately | W2 | Waste materials will be classified and managed in accordance with DEC Environmental Guidelines: Assessment and Classification & Management of Liquid and Non-liquid Wastes. | Construction | DEC Environmental Guidelines: Assessment and Classification & Management of Liquid and Non-liquid Wastes |
| Geology, Soils and Water Quality | | | | |
| Minimise scour impacts | S1 | Scour protection will be installed in creek/river bank areas at risk of erosion as necessary. | Pre-Construction and Construction | RTA QA Specification G38 Soil and Water Management |

| Objective | Ref # | Commitment | Timing | Reference Document |
|---|---|---|---|---|
| | S2 | Culverts will be installed as early as possible in the construction program to ensure that transverse drainage is in place during early stages of construction. Permanent stream protection measures and other waterway structure requirements will also be established as early as possible. | Construction | |
| Minimise the risk of water contamination and pollution of local watercourses | S3 | Any construction materials and fuels stored or used on site will be appropriately managed to minimise the risk of water contamination. | Construction | Managing Urban Stormwater: Soils and Construction (Landcom 2005) |
| | S4 | Operational stormwater controls will be implemented to meet identified receiving water objectives. These may include dispersed stormwater treatment through grassed swales, constructed treatment measures such as operational stormwater retention basins and the use of gross pollutant traps. | Pre-Construction and Construction | |
| | S5 | The requirement for spill containment will be made on the basis of a site-specific assessment that considers the following:<br>• The sensitivity of the receiving environment.<br>• The likelihood of an accident occurring that would result in a spill.<br>• The proximity of the discharge point to the receiving waters.<br>• The condition of the receiving waters. | Pre-Construction and Construction | |
| Minimise disturbance to landform, geology and soils and prevent erosion and sedimentation | S6 | A soil conservationist will be engaged to provide advice on management of soils through detailed planning and construction. | Pre-Construction and Construction | |
| | S7 | Erosion and sedimentation controls will be installed, maintained and managed prior to and during construction. The principles in Managing Urban Stormwater: Soils and Construction, Volume 2 Book 4 - Main Road Construction will apply. If any issues are encountered which are not covered by Volume 2, Managing Urban Stormwater: Soils and Construction, Volume 1 will be used. | Pre-Construction and Construction | Managing Urban Stormwater: Soils and Construction, Volume 2 Book 4 - Main Road Construction (draft)<br>Managing Urban Stormwater: Soils and Construction (Landcom 2005) |
| | S8 | Sediment will be cleared from behind barriers on a regular basis and controls will be monitored and maintained to ensure they work effectively at all times. | Construction | RTA QA Specification G38 Soil and Water Management |

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|---|---|---|---|---|
| | S9 | Site access sediment controls such as hardstand material or rumble grids will be installed at entry and exit points to minimise the tracking of soil and particulates onto pavement surfaces. | Construction | |
| | S10 | Stockpiles will be established on slopes less than 2:1 (horizontal to vertical). | Construction | RTA Stockpile Management Procedures 2001 |
| | S11 | All stockpiles sites will be designed, established, operated and decommissioned in accordance with RTA Stockpile Management Procedures 2001. Stockpiles will be located not less than 100 metres from the high bank of any rivers or drainage lines. | Construction | RTA Stockpile Management Procedures 2001 |
| | S12 | Rehabilitation of disturbed areas will be undertaken progressively. | Construction | RTA QA Specification R178 Vegetation |
| **Contaminated Land** | | | | |
| Identification and investigation of potentially contaminated sites | CL1 | A review will be undertaken of all land impacted by the Proposal to identify potentially contaminated sites. Potentially contaminated sites will be further investigated in accordance with the RTA's Contaminated Land Management Guideline. | Pre-Construction | Contaminated Land Management Guideline (RTA 2005)<br>Guidelines for Assessing Service Station Sites (EPA1994)<br>Sampling Design Guidelines (EPA 1995) |
| Management of previously unidentified contamination | CL2 | If site contamination investigations indicate that contaminants are present on the site in concentrations above the intended land use criteria, then an appropriate risk based management plan approach would be developed in accordance with the RTA's Contaminated Land Management Guideline.<br>Where contamination is found to pose unacceptable risk to either the environment or human health receptors a remedial action plan will be developed and remediation works will be undertaken. | Pre-Construction and Construction | Contaminated Land Management Guideline (RTA 2005)<br>SEPP 55 – Remediation of Land<br>*Contaminated Land Management Act 1997*<br>DEC Guidelines for NSW Site Auditor Scheme |
| **Hazard and Risk** | | | | |
| Minimise the risk of an incident during construction | R1 | Bunded storage areas will be located away from watercourses and will be established for oils and other hazardous liquids in accordance with Australian Standards. Spillages will be contained and collected any spillages for appropriate disposal. | Construction | AS 1940 The Storage and Handling of Flammable and Combustible Liquids |

| Objective | Ref # | Commitment | Timing | Reference Document |
|---|---|---|---|---|
| | R2 | Activities with the potential for spillage such as refuelling, maintenance of equipment, mixing of cutting oil and bitumen will be conducted in bunded areas to prevent discharge into watercourses. | Construction | AS 1940 The Storage and Handling of Flammable and Combustible Liquids |
| | R3 | Potentially hazardous and contaminating activities (such as washing construction plant, concrete mixers, bitumen surfacing equipment and handling hazardous chemicals) will be conducted in bunded areas away from watercourses. | Construction | AS 1940 The Storage and Handling of Flammable and Combustible Liquids |