



**Australian Government**

**Civil Aviation Safety Authority**

AIRSPACE AND AERODROME REGULATION

File Ref: EF11/1146-17

27 November 2015

Ms Karen Jones  
Director Infrastructure Projects  
NSW Department of Planning and Environment  
GPO Box 39  
SYDNEY NSW 2001

Dear Ms Jones,

## **Environmental Impact Statement for Albion Park Rail Bypass**

Thank you for the opportunity to comment on the Environmental Impact statement (EIS) for the Albion Park Rail Bypass.

CASA welcomes the priority that has been attached to the protection of aviation safety by NSW Roads and Maritime Services.

### **Obstacle Limitation Surfaces**

The technical paper, on page 20, identifies four proposed penetrations of the future Obstacle Limitation Surfaces (OLS): CASA advises that infringements of the take off/climb surface would be considered unacceptable.

The technical paper does not identify impacts of the proposal on the current OLS. CASA recommends that this should be investigated. CASA would be pleased to provide additional comment on receipt of this advice.

### **Light control zones**

CASA advises RMS of the need for street lighting and signage, associated with the proposed motorway, to comply with the requirements the National Airports Safeguarding Framework (NASF) Guideline E 'Managing the Risk of Distractions to Pilots from Lighting in the Vicinity of Airports'.

### **Vehicle headlights**

Impact of the light beams from vehicles on pilots during take-off and landing (for example distraction and glare to pilots from head beams on the sloping motorway, entry/exit roads and roundabouts) should be considered and controlled during the detailed design stage of the project.

### **Road structure generated windshear and turbulence**

NASF Guideline B 'Managing the Risk of Building Generated Windshear and Turbulence at Airports' provides guidelines for the assessment of the structures in the vicinity of

runways and their impact on aircraft operations due to generated windshear and turbulence.

CASA notes that the technical paper identifies three structures with a potential impact as defined in the NASF Guideline B:

1. BR06 Twin Bridges over Macquarie Rivulet
2. BR07 Twin Bridges over Frazers Creek
3. BR08 Bridge at the southbound exit ramp at Albion Park

CASA recommends that the potential for these structures to create windshear and turbulence that could affect operations at Wollongong Airport should be investigated.

CASA would be pleased to provide additional comment on receipt of this advice and would also be pleased to discuss this issue at an early date.

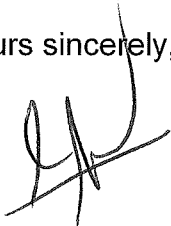
### **Wildlife hazards**

The proposed motorway rest areas, in the vicinity of aerodrome, and relocated sports facilities should not provide an environment for bird and animal congregation. Any increased risks of bird strikes should be mitigated at the design stage. For example, storage solutions for food scraps need to be addressed in the early stages of the project.

### **Construction impact**

CASA agrees that construction restrictions should be identified and resolved at the planning stage and the detailed design of the project. CASA recommends that the proponent provide a detailed aeronautical study for construction activities. The study should include input from all stakeholders (i.e. Shellharbour City Council, Airservices and aircraft operators) and it should address any concerns raised by the stakeholders.

Yours sincerely,



Dilip Mathew  
Manager Aerodromes