



**mainroads**  
WESTERN AUSTRALIA

# Roe Highway Extension

## Compliance Assessment Report

2 July 2016 – 1 July 2017

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# Amendments

Revision Number	Revision Date	Description of Key Changes	Section Page No. /

# 1 INTRODUCTION

This Compliance Assessment Report (CAR) addresses the status and compliance of the Roe Highway Extension with the conditions in Ministerial Statement 1008 (MS 1008). This report has been prepared for the purpose of meeting the requirements of conditions 4–3 and 4–6 of the Statement, which are to submit annual compliance assessment reports to the Chief Executive Officer (CEO) of the Office of the Environmental Protection Authority (OEPA).

This CAR addresses the 12-month reporting period from 2 July 2016 to 1 July 2017.

Main Roads Western Australia is generally compliant with the conditions of MS1008 for the period addressed in the CAR. Two non-compliances were identified in relation to one action within the Construction Environmental Management Plan.

## 1.1 Project Background

Roe Highway Extension (the Project; Figure 1) was approved under the *Environmental Protection Act 1986* on 2 July 2015 in MS 1008. The Project as proposed involves the construction of approximately 5 km of highway, extending Roe Highway from its current terminus at the Kwinana Freeway in Jandakot to Stock Road in Coolbellup. The proposed extension to Roe Highway is largely located within a primary regional road reserve which adjoins Beeliar Regional Park.

The design and construction of the Project was awarded to the Building Roe 8 Alliance (BR8) formed between Main Roads, CPB Contractors, Georgiou Group, WA Limestone, GHD, AECOM and BG&E. Clearing/site establishment works commenced on 5 December 2016 amid community protest. BR8 has recently changed its name and is now known as the Metropolitan Road Improvement Alliance.

On 12 March 2017, following the WA election, site establishment works were paused, halting any further clearing or other works other than those required to maintain a secured and safe site. On 3 April 2017, the Project was officially suspended. A community led Rehabilitation Working Group was established, which has assumed responsibility for rehabilitating the areas of disturbance to the west of Bibra Drive. The Alliance has undertaken certain tasks to assist the group, including the removal of limestone tracks, asbestos remediation, and planning for the installation of permanent site fencing.

The eastern part of the Project surrounding the Kwinana Freeway and Roe Highway interchange, and continuing towards Bibra Drive, was to provide a new access into the Murdoch Activity Centre. Part of this section of the Project is proposed to proceed in accordance with the conditions in MS 1008.

## 1.2 Project Approvals

The Project was formally assessed under Part IV of the Environmental Protection Act 1986 (the EP Act) and the EPBC 2009/5031 and approved under MS 1008 on 2 July 2015.

## 1.3 Proponent Details

The Proponent for the Project is Main Roads Western Australia.

## 2 CURRENT STATUS

### 2.1 Works to Date

Site establishment works began on 5 December 2016, which included the commencement of native vegetation clearing on 19th of that same month. As of 19 May 2017, 33.97 ha of native vegetation had been cleared (Figure 1), with the majority of cleared vegetation mulched. A breakdown of the clearing area is shown in the table below. Since May 2017 3-4 small Jarrah trees have been cleared to remove asbestos from the site, no other clearing has occurred.

Table 1 Clearing Areas

Environmental Aspect	Area (ha – unless otherwise stated)
Native vegetation	33.97
Conservation category wetland	1.90
Resource enhancement wetland	0
Multiple Use wetland	0
EPP Lakes	0.17
Black cockatoo habitat	31.66
Potential black cockatoo nesting trees with hollows*	10 (count)
Potential black cockatoo nesting trees without hollows*	89 (count)
* Suitable tree species with a trunk diameter at breast height of 0.5 m or more	

### 2.2 Planned Activities

Whilst implementation of the full proposal has ceased the State Government announced on 8 May 2017 that the eastern end of the proposal, known as the Murdoch Drive Connection (MDC) would be implemented immediately with construction to commence by mid-2017.

Construction and operation of the MDC Access will be fully contained in the section of the proposal project development envelope (PDE).

The objective of the MDC is to provide access to the Murdoch Activity Centre and Fiona Stanley Hospital from the south and the east to ensure the full potential of MAC can be realised. Access to Fiona Stanley Hospital and the MAC from Kwinana Freeway Northbound is currently limited to South Street (via Murdoch Drive).

### 2.3 Site Remediation Activities to the west of Bibra Drive

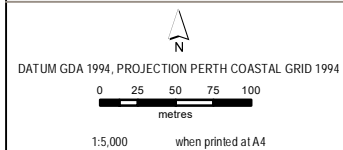
Main Roads is currently undertaking a number of activities and working with the community and stakeholder representatives to assist with the rehabilitation of the Roe 8 Site west of Bibra Drive. Main Roads will hand over this area as soon as practicable to allow the commencement of the rehabilitation by these community and stakeholder groups. The cleared section of the PDE to the west of Bibra Drive in North Lake and Coolbellup is to be rehabilitated as a part of a community led program. Main Roads are currently in the process of remediating this area to ensure a safe and secure site is handed over to the community.

Following a consultation process between Main Roads, community and stakeholders relevant to the Roe 8 Rehabilitation works, a scope of works has been defined to remediate the area for the community led rehabilitation from Bibra Drive to Stock Road. This includes:

- Design and construction of fencing
- Removal of mulch piles
- Asbestos removal
- General civil works to assist with rehabilitation works
- Weed control



PROJECT ID 60478410  
 CREATED BY DGF  
 APPROVED BY JShaw  
 LAST MODIFIED 14 SEP 2017

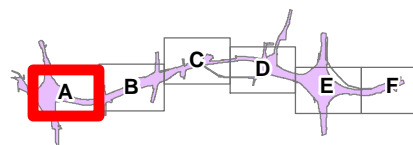


**LEGEND**

Project Development Envelope

Cleared

Native Vegetation within Clearing Area

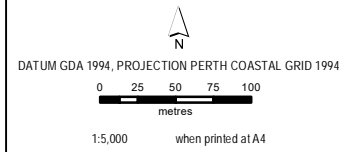


Data sources: Nearmaps 2017  
 Base Data: (c) Based on information provided by and with the permission of the Western Australian Land Information Authority trading as Landgate (2010).

<b>Clearing to Date</b>	
<b>Main Roads Western Australia</b>	
<b>Figure</b>	<b>1A</b>

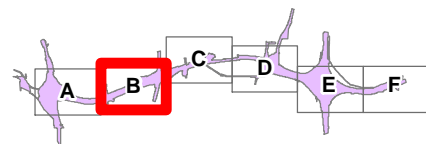


PROJECT ID 60478410  
 CREATED BY DGF  
 APPROVED BY JShaw  
 LAST MODIFIED 14 SEP 2017



**LEGEND**

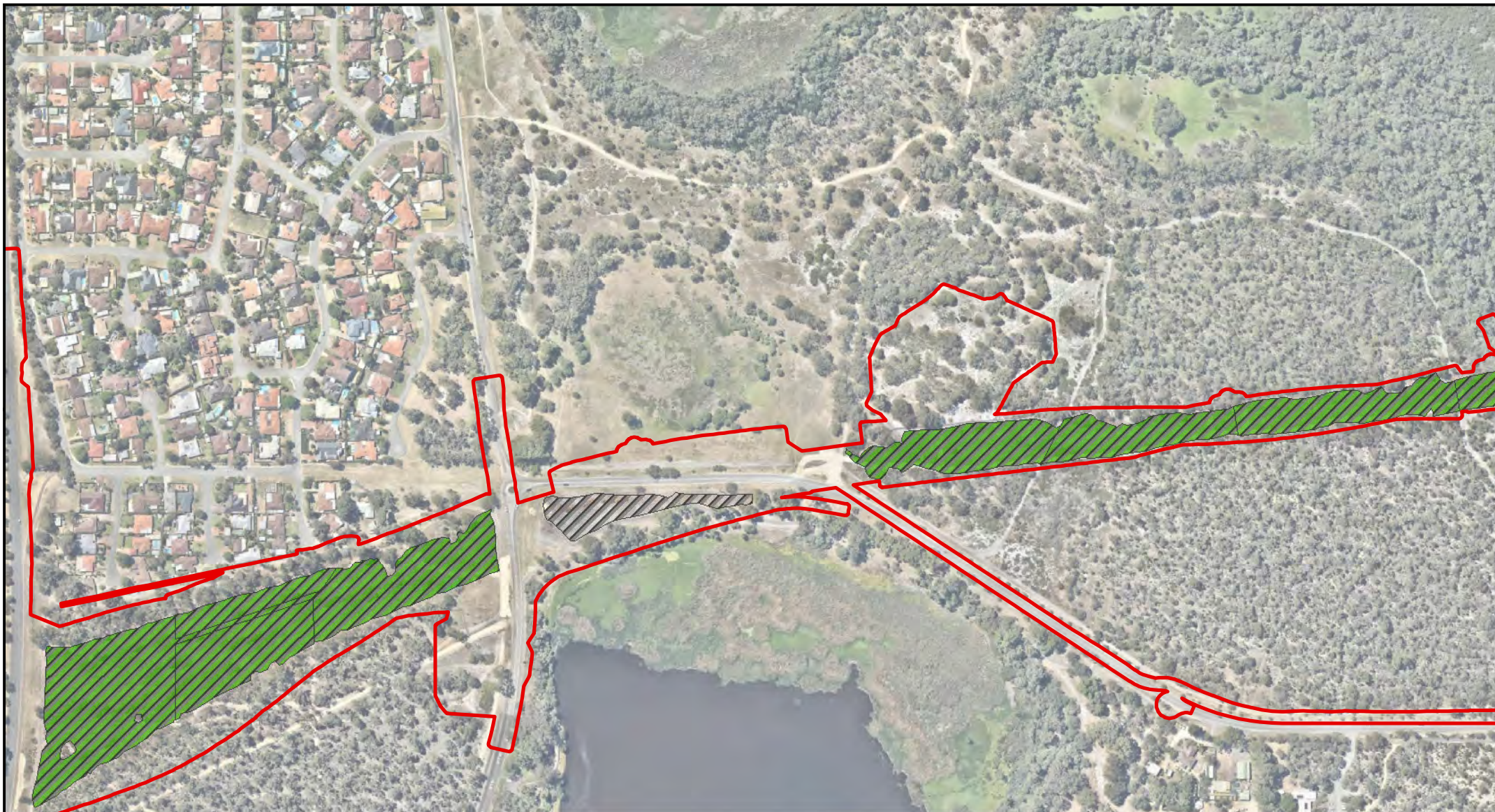
- Project Development Envelope
- Cleared
- Native Vegetation within Clearing Area



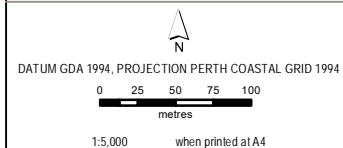
Data sources: Nearmaps 2017  
 Base Data: (c) Based on information provided by and with the permission of the Western Australian Land Information Authority trading as Landgate (2010).

<b>Clearing to Date</b>	
<b>Main Roads Western Australia</b>	
Figure <b>1B</b>	






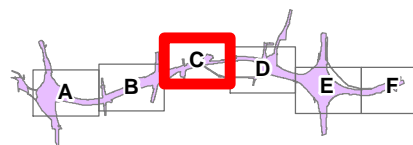


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 APPROVED BY JShaw  
 LAST MODIFIED 14 SEP 2017



**LEGEND**

-  Project Development Envelope
-  Cleared
-  Native Vegetation within Clearing Area

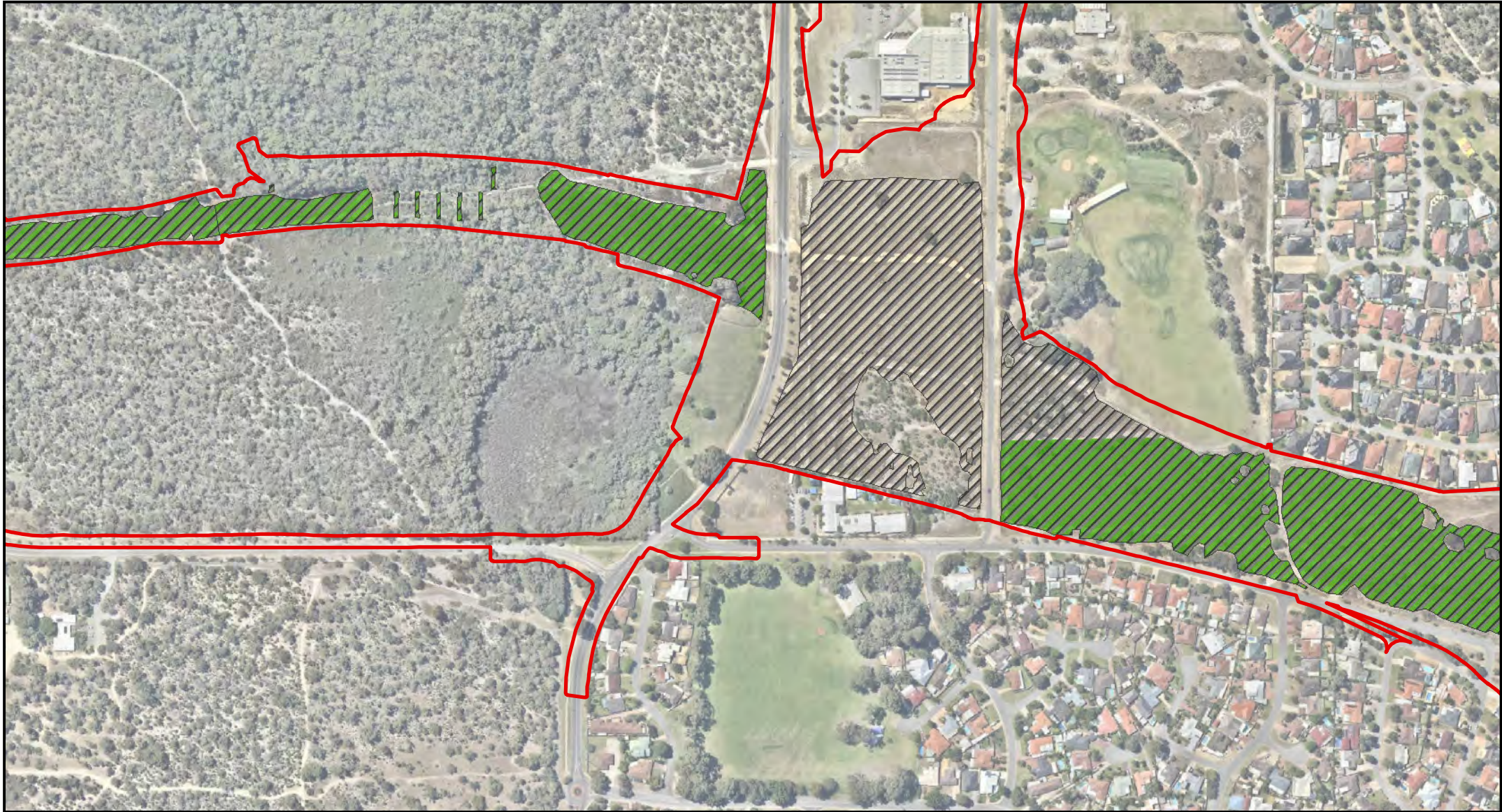


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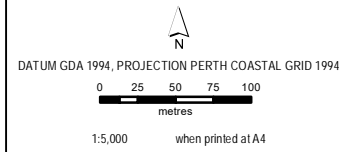
**Clearing to Date**

Main Roads Western Australia

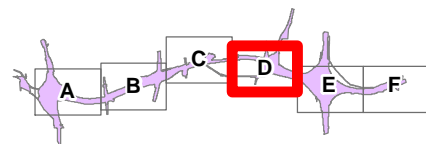
Figure  
 1C



PROJECT ID 60478410  
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 LAST MODIFIED 14 SEP 2017



**LEGEND**  
 Project Development Envelope  
 Cleared  
 Native Vegetation within Clearing Area



Data sources: Nearmaps 2017  
 Base Data: (c) Based on information provided by and with the permission of the Western Australian Land Information Authority trading as Landgate (2010).

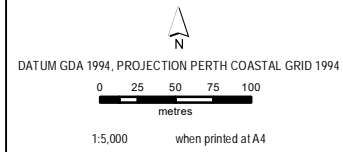
**Clearing to Date**

**Main Roads Western Australia**




**Figure 1D**

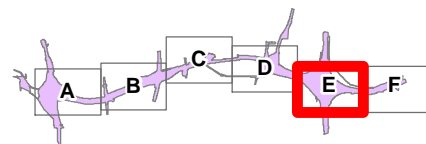


PROJECT ID 60478410  
 CREATED BY DGF  
 APPROVED BY JShaw  
 LAST MODIFIED 14 SEP 2017



**LEGEND**

-  Project Development Envelope
-  Cleared
-  Native Vegetation within Clearing Area



Data sources: Nearmaps 2017  
 Base Data: (c) Based on information provided by and with the permission of the Western Australian Land Information Authority trading as Landgate (2010).

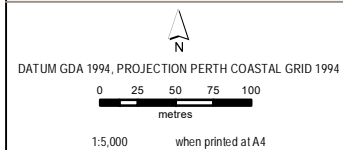
**Clearing to Date**


**Main Roads Western Australia**

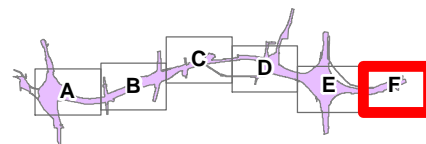
**Figure 1E**



PROJECT ID 60478410  
 CREATED BY DGF  
 APPROVED BY JShaw  
 LAST MODIFIED 14 SEP 2017



**LEGEND**  
 Project Development Envelope  
 Cleared  
 Native Vegetation within Clearing Area



Data sources: Nearmaps 2017  
 Base Data: (c) Based on information provided by and with the permission of the Western Australian Land Information Authority trading as Landgate (2010).

<b>Clearing to Date</b>	
<b>Main Roads Western Australia</b>	
Figure	1F

## 3 AUDIT PLAN

### 3.1 Purpose and scope

#### 3.1.1 Purpose

This document is the second Compliance Assessment Report (CAR) addressing the Project.

The CAR has been prepared to address conditions 4-3 and 4-6 of MS 1008 which state:

4-3 After receiving notice in writing from the CEO that the Compliance Assessment Plan satisfies the requirements of condition 4-2 the proponent shall assess compliance

*with conditions in accordance with the Compliance Assessment Plan required by condition 4-1.*

4-6 The proponent shall submit to the CEO the first Compliance Assessment Report fifteen (15) months from the date of issue of this statement addressing the twelve (12) month period from the date of issue of this statement and then annually from the date of submission of the first Compliance Assessment Report.

The Compliance Assessment Report shall:

1. be endorsed by the proponent's Chief Executive Officer or a person delegated to sign on the Chief Executive Officer's behalf;
2. include a statement as to whether the proponent has complied with the conditions;
3. identify all potential non-compliances and describe corrective and preventative actions taken;
4. be made publicly available in accordance with the approved Compliance Assessment Plan; and
5. indicate any proposed changes to the Compliance Assessment Plan required by condition 4-1.

#### **Condition 4-1 of MS 1008 referred to above states:**

The proponent shall prepare, submit and maintain a Compliance Assessment Plan to the CEO at least six (6) months prior to the first Compliance Assessment Report required by condition 4-6, or prior to implementation, whichever is sooner.

#### **Condition 4-2 of MS 1008 referred to above states:**

4-2 The Compliance Assessment Plan shall indicate:

1. the frequency of compliance reporting;
2. the approach and timing of compliance assessments;
3. the retention of compliance assessments;
4. the method of reporting of potential non-compliances and corrective actions taken;
5. the table of contents of Compliance Assessment Reports; and
6. public availability of Compliance Assessment Reports.

A Compliance Assessment Plan (CAP) was prepared to address condition 4-1 of MS 1008 (Strategen 2015). The CAP was approved by the CEO of the OEPA on 19 October 2015.

Condition 4-2 of MS 1008 describes what must be contained in the CAP, with point (5) of condition 4-2 requiring that the CAP shall indicate the table of contents of compliance assessment reports. The approved CAP (Strategen 2015) provides this detail, replicated as Table 1 below, with an additional column indicating the corresponding section of this CAR. This CAR has been developed to align with the structure indicated in the CAP, which was guided by Post Assessment Guideline No. 3 Preparing a Compliance Assessment Report (OEPA 2012a).

Table 2 Table of contents for Compliance Assessment Report

Heading	Description	Section
Introduction	Brief about the Project, including: <ul style="list-style-type: none"> <li>▪ Project background</li> <li>▪ Project approvals</li> <li>▪ Proponent details</li> </ul>	1.1
		1.2
		1.3
Current status	Summary of the current status of the Project, specifically milestones/achievements within the reporting period.	2
Statement of Compliance	Statement of whether the proponent has complied with the conditions	Appendices
Endorsement	Endorsed by Main Roads Managing Director or a person delegated to sign on the Managing Director's behalf	Appendices
Non-compliances	Identify all non-compliances and corrective actions	4.1 Appendices
Audit methodology	Description of how the audit was undertaken including: <ul style="list-style-type: none"> <li>▪ Audit plan: purpose, scope, audit period, audit criteria, methodology</li> <li>▪ Audit terminology</li> </ul>	3.1
		3.1.5
Audit results	Inclusion of a summary review of performance with respect to monitoring results and interpretation of analysis of the results for each plan and related advice with respect to achievement of applicable criteria during the reporting period.	4
Proposed changes to CAP	Indication of any proposed changes to the CAP requirement by condition 4-1.	4.2
Appendices	<ol style="list-style-type: none"> <li>1. Statement of compliance prepared in accordance with the OEPA Post Assessment Form for a Statement of Compliance and endorsed by the proponent's Managing Director or a person delegated to sign on the Managing Director's behalf.</li> <li>2. Ministerial Statement audit table in accordance with Appendix 1 of the CAP.</li> <li>3. MS 1008 Schedule 1 audit table.</li> <li>4. Subsidiary plans audit tables (potentially non-conformant items only).</li> <li>5. Evidence (related to potential non-compliances/non-conformances only).</li> <li>6. Summary table of evidence reviewed.</li> <li>7. Other appendices may be included where relevant from time to time.</li> </ol>	Appendices

### 3.1.2 Scope

This CAR has been prepared to assess whether the proponent has been, is being, has not or is not (Section 3.1.2), complying with 12 conditions including Schedule 1 of MS 1008 over the reporting period.

An assessment of compliance with the conditions of MS 1008 is provided in Section 4 and Appendix 2. Further detail with respect to compliance with Schedule 1 of MS 1008 is provided in Appendix 3. Audit table relating to any non-conformances of conditions for the management plans required under MS 1008 are including within Appendix 4.

### 3.2 Audit Period

This CAR addresses the twelve-month reporting period from 2 July 2016 to 1 July 2017.

### 3.3 Audit Criteria

Audit criteria were based on the conditions of approval of MS 1008. An audit table has been prepared in accordance with the approved CAP (Appendix 2). The audit table contains each condition separated into audit elements for auditing purposes (i.e. the audit criteria), and includes the following headings:

- Audit code: Ministerial Statement reference number
- Subject: the environmental theme/issue
- Requirement: what the proponent must do
- How: the manner in which the requirements of an audit element should be achieved
- Evidence: information or data collected to verify compliance, i.e. report/letter/site inspection requirements
- Phase: project phase applicable to audit element
- Timeframe: specific timing for achieving the requirements of an audit element
- Status: notes about the fulfilment of compliance using compliance status terms
- Further information: additional comments to support compliance findings, where required

### 3.4 Methodology

The audit was a mixture of reviewing records from both the MRIA office, and obtaining Main Roads advice on the status and supporting documentary evidence to verify compliance with applicable conditions.

This compliance audit was undertaken by the Metropolitan Road Improvement Alliance on behalf of Main Roads.

### 3.5 Terminology

The 'Status' field of the audit table (refer to Appendix 2 and Appendix 3) describes the implementation of the action and compliance with the condition, procedure or commitment. Although the CEO of the OEPA makes the final determination of compliance, it is necessary to update this field each reporting period, as the project progresses. The OEPA (2012a, 2012b, 2012c and 2012d) has prepared updated guidance related to the preparation of compliance audits, including generic expressions that are used to identify the status of each item (refer to Table 1 of Appendix 1).

## 4 AUDIT RESULTS

### 4.1 Compliance with conditions

This assessment of compliance for this auditing period found that Main Roads is generally compliant with all conditions of MS 1008 in the audit period.

Two non-compliances were identified during the audit period in relation to the MS 1008 condition 7-10:

The proponent shall implement the approved revisions of the Construction Environmental Management Plan required by conditions 7-8 and 7-9.

The following action within this plan was not followed initially:

Ensure stockpiles have appropriate signage, including source location and whether it is from a high-risk area.

Upon investigation, this was found to be a misinterpretation of the definition of 'stockpiles' by Main Roads (Main Roads is responsible for the implementation of the proposal and are therefore responsible for our contractors actions), which was of the view that the mulch heaps did not become stockpiles until they were moved to a storage location. Once this error was identified, signage was installed on all mulch heaps. This was recorded as two non-compliances as it was noted twice during two separate consecutive OEPA audits. Communication with the OEPA confirms this non-compliance is now resolved See Appendix 6. Further details on this non-compliance are detailed in Appendix 4.

A Statement of Compliance has also been included at Appendix 1.

Compliance with the conditions of MS 1008 for the Project has been assessed and reported using the Audit Table provided in Appendix 2.

### 4.2 Proposed Changes to Compliance Assessment Plan

This CAR has been prepared consistent with the approval CAP (Strategen 2015), no changes are proposed at this stage.



## 5 REFERENCES

Office of Environmental Protection Authority (OEPA) 2012a, Post Assessment Guideline for Preparing a Compliance Assessment Plan, OEPA, Perth, August 2012.

Office of Environmental Protection Authority (OEPA) 2012b, Post Assessment Guideline for Preparing an Audit Table, OEPA, Perth, August 2012.

Office of Environmental Protection Authority (OEPA) 2012c, Post Assessment Guideline for Making Information Publically Available, OEPA, Perth, August 2012.

Office of Environmental Protection Authority (OEPA) 2012d, Post Assessment Guideline for Preparing a Compliance Assessment Report, OEPA, Perth, August 2012.

Strategen 2015, Main Roads Roe Highway Extension Compliance Assessment Plan – Statement 1008, report prepared for Main Roads Western Australia, September 2015.

## 6 APPENDICES

Appendix	Title
Appendix 1	Statement of Compliance
Appendix 2	MS 1008 Audit Table
Appendix 3	MS 1008 Schedule 1 Audit Table
Appendix 4	Subsidiary Plans Summary of Compliance and Audit Tables
Appendix 5	Evidence Summary Table

# Appendix 1: Statement of Compliance

**Statement of Compliance**

**1 Proposal and Proponent Details**

Proposal Title	<i>Roe Highway Extension</i>
Statement Number	1008
Proponent Name	<i>Main Roads Western Australia</i>
Proponent's Australian Company Number (where relevant)	50 860 676 021

**2 Statement of Compliance Details**

Reporting Period	2/07/16 to 1/07/17
------------------	--------------------

Implementation phase(s) during reporting period (please tick ✓ relevant phase(s))							
Pre-construction	<input type="checkbox"/>	Construction	<input checked="" type="checkbox"/>	Operation	<input type="checkbox"/>	Decommissioning	<input type="checkbox"/>

Audit Table for Statement addressed in this Statement of Compliance is provided at Attachment:	D
<p>An audit table for the Statement addressed in this Statement of Compliance must be provided as Attachment 2 to this Statement of Compliance. The audit table must be prepared and maintained in accordance with the Office of the Environmental Protection Authority's (OEPA) <i>Post Assessment Guideline for Preparing an Audit Table</i>, as amended from time to time. The 'Status Column' of the audit table must accurately describe the compliance status of each implementation condition and/or procedure for the reporting period of this Statement of Compliance. The terms that may be used by the proponent in the 'Status Column' of the audit table are limited to the Compliance Status Terms listed and defined in Table 1 of Attachment 1.</p>	

Were all implementation conditions and/or procedures of the Statement complied with within the reporting period? (please tick ✓ the appropriate box)			
No (please proceed to Section 3)	<input checked="" type="checkbox"/>	Yes (please proceed to Section 4)	<input type="checkbox"/>

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS: \_\_\_\_\_

**3 Details of Non-compliance(s) and/or Potential Non-compliance(s)**

The information required Section 3 must be provided for each non-compliance or potential non-compliance identified during the reporting period covered by this Statement of Compliance.

**Non-compliance/potential non-compliance 3-1**

Which implementation condition or procedure was non-compliant or potentially non-compliant?
Two non-compliance was identified during the audit period in relation to the MS 1008 condition 7-10: <i>The proponent shall implement the approved revisions of the Construction Environmental Management Plan required by conditions 7-8 and 7-9.</i> The following action within this plan was not followed initially: <i>Ensure stockpiles have appropriate signage, including source location and whether it is from a high risk area.</i>
Was the implementation condition or procedure non-compliant or potentially non-compliant?
Non-compliant
On what date(s) did the non-compliance or potential non-compliance occur (if applicable)?
12 January 2017 – 30 March 2017

Was this non-compliance or potential non-compliance reported to the General Manager, OEPA?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Reported to OEPA verbally      Date _____ <input checked="" type="checkbox"/> Reported to OEPA in writing      Date 20/03/2017 during OEPA commissioned audit	<input type="checkbox"/> No

What are the details of the non-compliance or potential non-compliance and where relevant, the extent of and impacts associated with the non-compliance or potential non-compliance?
During an OEPA commissioned audit, existing heaps of mulch were found to not have signage in place. The mulch piles were placed during the clearing works, where vegetation was mulched at the location where it was originally cleared. The movement or consolidation of mulch into stockpiles was yet to occur.
What is the precise location where the non-compliance or potential non-compliance occurred (if applicable)? (please provide this information as a map or GIS co-ordinates)
Cleared areas within the project boundary (see Figure 1 of report).
What was the cause(s) of the non-compliance or potential non-compliance?
The definition of stockpiling was interpreted as the consolidation of the mulch, and not the piles left behind by the mulcher during initial clearing works. There were a few reasons behind this interpretation, including:

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS: \_\_\_\_\_

<ul style="list-style-type: none"> <li>• The mulch piles were placed in the location which the vegetation was originally felled. Therefore the signs would not add any additional protection to the unauthorized mixing of piles.</li> <li>• Stockpiles of mulch were planned to be made using the piles of mulch material from site. It was considered these consolidated stockpiles would then be signed to define the different dieback and other condition statuses. The mulch piles were considered too small, and not at risk to warrant this condition to be applicable.</li> <li>• Signage of 'high risk' areas were provided between the different zones of dieback risk. This was investigated and discussed with the auditors and the OEPA between two audit periods (less than two weeks), and was rectified by the end of March 2017.</li> </ul>
<p>What remedial and/or corrective action(s), if any, were taken or are proposed to be taken in response to the non-compliance or potential non-compliance?</p>
<p>Signage was procured and installed onsite.</p>
<p>What measures, if any, were in place to prevent the non-compliance or potential non-compliance before it occurred? What, if any, amendments have been made to those measures to prevent re-occurrence?</p>
<p>The new interpretation has been acknowledged by the project team. . The mulch has been relocated from the western section of the site to a designated storage area, signage is installed onsite and controls stated within the task Site Environmental Plans (SEPs).</p>
<p>Please provide information/documentation collected and recorded in relation to this implementation condition or procedure:</p> <ul style="list-style-type: none"> <li>• in the reporting period addressed in this Statement of Compliance; and</li> <li>• as outlined in the approved Compliance Assessment Plan for the Statement addressed in this Statement of Compliance.</li> </ul> <p>(the above inform action may be provided as an attachment to this Statement of Compliance)</p>
<p>Provided in Appendix 4</p>

**For additional non-compliance or potential non-compliance, please duplicate this page as required.**

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS: \_\_\_\_\_

**4 Proponent Declaration**

I, Malcolm Pearce Project Director (full name and position title) declare that I am authorised on behalf of the Commissioner of Main Roads Western Australia (being the person responsible for the proposal) to submit this form and that the information contained in this form is true and not misleading.

Signature:.....Date:.....18/9/2017

Please note that:

- it is an offence under section 112 of the *Environmental Protection Act 1986* for a person to give or cause to be given information that to his knowledge is false or misleading in a material particular; and
- the General Manager of the OEPA has powers under section 47(2) of the *Environmental Protection Act 1986* to require reports and information about implementation of the proposal to which the statement relates and compliance with the implementation conditions.

**5 Submission of Statement of Compliance**

One hard copy and one electronic copy (preferably PDF on CD or thumb drive) of the Statement of Compliance are required to be submitted to the General Manager, OEPA, marked to the attention of Manager, Compliance Branch.

Please note, the OEPA has adopted a procedure of providing written acknowledgment of receipt of all Statements of Compliance submitted by the proponent, however, the OEPA does not approve Statements of Compliance.

**6 Contact Information**

Queries regarding Statements of Compliance, or other issues of compliance relevant to a Statement may be directed to Compliance Branch, OEPA:

**Manager, Compliance Branch**  
**Office of the Environmental Protection Authority**

Postal Address: Locked Bag 10  
 EAST PERTH WA 6892

Phone: (08) 6145 0800

Email: [compliance@epa.wa.gov.au](mailto:compliance@epa.wa.gov.au)

**7 Post Assessment Guidelines and Forms**

Post assessment documents can be found at [www.epa.wa.gov.au](http://www.epa.wa.gov.au) in the following locations:

- Post Assessment Guidelines: Home>Policies and Guidelines>Post Assessment Guidelines;
- Post Assessment Forms: Home>Post Assessment Forms.

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS: \_\_\_\_\_



## ATTACHMENT 1

Table 1 Compliance Status Terms

Compliance Status Terms	Abbrev	Definition	Notes
Compliant	C	Implementation of the proposal has been carried out in accordance with the requirements of the audit element.	This term applies to audit elements with: <ul style="list-style-type: none"> <li>ongoing requirements that have been met during the reporting period; and</li> <li>requirements with a finite period of application that have been met during the reporting period, but whose status has not yet been classified as 'completed'.</li> </ul>
Completed	CLD	A requirement with a finite period of application has been satisfactorily completed.	This term may only be used where: <ul style="list-style-type: none"> <li>audit elements have a finite period of application (e.g. construction activities, development of a document);</li> <li>the action has been satisfactorily completed; and</li> <li>the Office of the Environmental Protection Authority (OEPA) has provided written acceptance of 'completed' status for the audit element.</li> </ul>
Not required at this stage	NR	The requirements of the audit element were not triggered during the reporting period.	This should be consistent with the 'Phase' column of the audit table.
Potentially Non-compliant	PNC	Possible or likely failure to meet the requirements of the audit element.	This term may apply where during the reporting period the proponent has identified a potential non-compliance and has not yet finalized its investigations to determine whether non-compliance has occurred.
Non-compliant	NC	Implementation of the proposal has not been carried out in accordance with the requirements of the audit element.	This term applies where the requirements of the audit element are not "complete" have not been met during the reporting period.

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS: \_\_\_\_\_

POST ASSESSMENT FORM 2

In Process	IP	Where an audit element requires a management or monitoring plan be submitted to the OEPA or another government agency for approval, that submission has been made and no further information or changes have been requested by the OEPA or the other government agency and assessment by the OEPA or other government agency for approval is still pending.	<p><b>The term 'In Process' may not be used for any purpose other than that stated in the Definition Column.</b></p> <p>The term 'In Process' may not be used to describe the compliance status of an implementation condition and/or procedure that requires implementation throughout the life of the project (e.g. implementation of a management plan).</p>
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Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS: \_\_\_\_\_



# Appendix 2: MS 1008 Audit Table

Appendix 2: Ministerial Statement 1008 audit table

Audit Code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further Information
1008:M1-1	Proposal implementation	When implementing the proposal, the proponent shall not exceed the authorised extent of the proposal as defined in Column 3 of Table 2 in Schedule 1, unless amendments to the proposal and the authorised extent of the proposal has been approved under the EP Act.	Implement Proposal as described in Schedule 1.	Figure 1 Clearing Area	Overall.	Ongoing.	C	Pre-construction activities commenced in December 2016, including native vegetation clearing. These works continued until March 2017. A total of 33.97 ha of native vegetation was cleared during this period, of which 0.17 ha is within EPP lakes areas.
1008:M2-1	Contact details	The proponent shall notify the CEO of any change of its name, physical address or postal address for the serving of notices or other correspondence within twenty eight (28) days of such change. Where the proponent is a corporation or an association of persons, whether incorporated or not, the postal address is that of the principal place of business or of the principal office in the State.	Submit written notification to the CEO of OEPA.	NR	Overall.	Within 28 days of change.	NR	There was no change to the name, physical address or postal address of the Proponent in the audit period.
1008:M3-1	Time limit for proposal implementation	The proponent shall not commence implementation of the proposal after the expiration of five (5) years from the date of this statement, and any commencement, prior to this date, must be substantial.	Commence substantial implementation of Proposal by 2 July 2020.	Figure 1 Clearing Area I_Aerial of disturbed land_022017	Overall.	By 2 July 2020.	C	Project commenced in December 2016, prior to the time limit for proposal implementation.
1008:M3-2		Any commencement of implementation of the proposal, on or before five (5) years from the date of this statement, must be demonstrated as substantial by providing the CEO with written evidence, on or before the expiration of five (5) years from the date of this statement.	Provide written evidence of substantial commencement of implementation on or before 2 July 2020.	This CAR	Overall.	By 2 July 2020.	C	This CAR provides a record of the commencement of the Project, within the required timeframe.
1008:M4-1	Compliance reporting	The proponent shall prepare, submit and maintain a Compliance Assessment Plan to the CEO at least six (6) months prior to the first Compliance Assessment Report required by condition 4-6, or prior to implementation, whichever is sooner.	Prepare a Compliance Assessment Plan and submit to the CEO of OEPA for approval.	R_001_Strategen_Main Roads Roe Highway Extension_Compliance Assessment Plan - Statement 1008_18092015 C_003_OEPA_Compliance Assessment Plan Approved - Statement 1008 - Roe Highway Extension_19102015 R_Strategen_Main Roads Roe Highway Extension_Compliance Assessment Report 2016_23092017 C_Main Roads_Compliance Assessment Report_27092016	Pre-construction.	By 2 April 2016 or prior to commencement of construction, whichever is earlier.	C	The first CAR was submitted in September 2016, with works not commencing until December 2016. The Compliance Assessment Plan (CAP) was approved by the CEO of the OEPA on 19 October 2015, eleven months prior to first CAR, and 15 months prior to commencement of pre-construction works.
1008:M4-2		The Compliance Assessment Plan shall indicate: (1) the frequency of compliance reporting; (2) the approach and timing of compliance assessments; (3) the retention of compliance assessments; (4) the method of reporting of potential non-compliances and corrective actions taken; (5) the table of contents of Compliance Assessment Reports; and (6) public availability of Compliance Assessment Reports.	Prepare and submit to the CEO of OEPA a CAP addressing all requirements.	Refer to 1008:M4-1	Overall.	Prior to implementation or six months prior to first compliance report.	CLD	The Compliance Assessment Plan was approved by the CEO of the OEPA on 19 October 2015.
1008:M4-3		After receiving notice in writing from the CEO that the Compliance Assessment Plan satisfies the requirements of condition 4-2 the proponent shall assess compliance with conditions in accordance with the Compliance Assessment Plan required by condition 4-1.	Undertake annual compliance assessments in accordance with the approved CAP.	R_Strategen_Main Roads Roe Highway Extension_Compliance Assessment Report 2016_23092017 This CAR	Overall.	Ongoing, annually.	C	The first CAR covering an audit period of 2 July 2015 to 1 July 2016, and this CAR covering the audit period of 2 July 2016 to 19 May 2017, complies with the condition.
1008:M4-4		The proponent shall retain reports of all compliance assessments described in the Compliance Assessment Plan required by condition 4-1 and shall make those reports available when requested by the CEO.	Prepare and retain Annual CARs in accordance with the approved CAP. Make CARs available to CEO of OEPA on request.	R_Strategen_Main Roads Roe Highway Extension_Compliance Assessment Report 2016_23092017 C_Main Roads_Compliance Assessment Report_27092016 <a href="https://project.mainroads.wa.gov.au/roe8/environment/Pages/managementplans.aspx">https://project.mainroads.wa.gov.au/roe8/environment/Pages/managementplans.aspx</a>	Overall.	As required by record keeping legislation.	C	This is the second CAR. The first CAR was submitted to the OEPA in September 2016. It is currently retained on file and is available on the project website. The CEP of the OEPA has not requested another copy of the first CAR.

Audit Code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further Information
1008:M4-5		The proponent shall advise the CEO of any potential non-compliance within seven (7) days of that potential non-compliance being known.	Written correspondence to CEO of OEPA within 7 days of any potential non-compliance.	R_OEPA_Preston Consulting_OPEA Implementation Audit Report 6 December - 10 February 2017_20032017 R_OEPA_Preston Consulting_OPEA Implementation Audit Report 11 February – 10 March 2017_20032017	Overall.	Within 7 days of a potential non-compliance being known.	C	Two non-compliances were identified during this audit period, both relating to the same issue. These were identified during an OEPA commissioned audit and therefore additional formal correspondence was not required.
1008:M4-6		The proponent shall submit to the CEO the first Compliance Assessment Report fifteen (15) months from the date of issue of this statement addressing the twelve (12) month period from the date of issue of this statement and then annually from the date of submission of the first Compliance Assessment Report. The Compliance Assessment Report shall: (1) be endorsed by the proponent's Chief Executive Officer or a person delegated to sign on the Chief Executive Officer's behalf; (2) include a statement as to whether the proponent has complied with the conditions; (3) identify all potential non-compliances and describe corrective and preventative actions taken; (4) be made publicly available in accordance with the approved Compliance Assessment Plan; and (5) indicate any proposed changes to the Compliance Assessment Plan required by condition 4-1.	Submit Annual CARs addressing all requirements annually to OEPA.	R_Strategen_Main Roads Roe Highway Extension_Compliance Assessment Report 2016_23092017 C_Main Roads Compliance Assessment Report_27092016 This CAR	Overall.	By 2 October 2016 and annually thereafter.	C	This is the second CAR. The initial CAR was submitted to OEPA in September 2016.
1008:M5-1	Public availability of data	Subject to condition 5-2, within a reasonable time period approved by the CEO of the issue of this statement and for the remainder of the life of the proposal the proponent shall make publicly available, in a manner approved by the CEO, all validated environmental data (including sampling design, sampling methodologies, empirical data and derived information products (e.g. maps)) relevant to the assessment of this proposal and implementation of this statement.	Make data relevant to the assessment of this proposal and implementation of this statement publicly available as per OEPA <i>Post Assessment Guidance for Making information publicly available</i> (OEPA 2012c).	<a href="https://project.mainroads.wa.gov.au/roe8/environment/Pages/managementplans.aspx">https://project.mainroads.wa.gov.au/roe8/environment/Pages/managementplans.aspx</a> C_OEPA_Availability of Plans and Reports_30112017	Overall.	Ongoing.	C	The following reports have been made publicly available on the project website: <ul style="list-style-type: none"> <li>• Baseline Flora and Vegetation Condition Survey</li> <li>• Baseline Wetland Condition Report</li> </ul>
1008:M5-2		If any data referred to in condition 5-1 contains particulars of: (1) a secret formula or process; or (2) confidential commercially sensitive information; the proponent may submit a request for approval from the CEO to not make this data publicly available. In making such a request the proponent shall provide the CEO with an explanation and reasons why the data should not be made publicly available.	Provide the CEO with an explanation and reasons why data should not be made publicly available.	NA	Overall.	Ongoing.	NR	No request for secret information to be withheld was required in the audit period.
1008:M6-1	Infrastructure plan	The proponent shall demonstrate that the proposal is designed and constructed consistent with the authorised extent(s) as referred to in Column 3 of Table 2 in Schedule 1, through the implementation of conditions 6-2 and 6-3.	Demonstrate that the proposal is designed and constructed consistent with the authorised extent(s) as referred to in Column 3 of Table 2 in Schedule 1, through the implementation of conditions 6-2 and 6-3.	Figure 1 Clearing Area	Overall.	Ongoing.	C	Pre-construction activities have been undertaken during this audit period in accordance with the requirements of Column 3 of Table 2 of Schedule 1.
1008:M6-2		Prior to commencement of construction, unless otherwise agreed by the CEO, the proponent shall prepare an Infrastructure Plan which is to be approved by the CEO. The Infrastructure Plan shall include: (1) the alignment, dimensions and locations of the key proposal elements as referred to in Columns 1 and 2 of Table 2 in Schedule 1; (2) the final height of the noise walls as referred to in Table 2 of Schedule 1, consistent with the Noise Management Plan (AECOM) dated 11 July 2012; (3) an assessment of the need for noise walls or other noise mitigation measures between Bibra Drive and Progress Drive, consistent with the Western Australian Planning Commission's State Planning Policy 5.4 Road and Rail Transport Noise and Freight Considerations in Land Use Planning, to ensure that there are no adverse impacts of operational noise on the existing buildings occupied by the Cockburn Wetlands	Prepare an Infrastructure Plan which is to be approved by the CEO.	C_OEPA_Infrastructure Plan_18112016 R_AECOM_Roe Highway Extension_Infrastructure Plan_112016	Pre-construction.	Prior to commencement of construction, unless otherwise agreed by the CEO.	CLD	The Infrastructure Plan was approved by the CEO of the OPEA on 18 November 2016.

Audit Code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further Information
		Education Centre and the Native Arc Animal Rescue Centre on Hope Road, or the dual use pathway located between Bibra Lake and the Roe Highway Extension; (4) a framework of management and contingency actions including timeframes for their implementation, consistent with the Western Australian Planning Commission's State Planning Policy 5.4 Road and Rail Transport Noise and Freight Considerations in Land Use Planning, should it be determined that noise walls or other mitigation measures are required; (5) areas of native vegetation to be retained within the development envelope; and (6) spatial data for 6-2(1), 6-2(2), 6-2(3) and 6-2(5), and if relevant 6-2(4).						
1008:M6-3		The proponent shall provide spatial data for the constructed key elements of the proposal as set out in Columns 1 and 2 of Table 2 in Schedule 1 to the CEO, two (2) months following the completion of construction.	Provide spatial data for the constructed key elements of the proposal as set out in Columns 1 and 2 of Table 2 in Schedule 1 to the CEO.	NA	Operation.	Two (2) months following the completion of construction.	NR	Completion of construction is yet to occur. Hence action not required as yet.
1008:M6-4		The proponent may review and revise the Infrastructure Plan to the requirements of the CEO.	Review and revise the Infrastructure Plan to the requirements of the CEO.	NA	Overall.	Ongoing.	NR	No revision has occurred to date.
1008:M6-5		The proponent shall review and revise the Infrastructure Plan as and when directed by the CEO.	Review and revise the Infrastructure Plan as and when directed by the CEO.	NA	Overall.	Ongoing.	NR	No such direction received to date.
1008:M6-6		The proponent shall implement the approved revisions of the Infrastructure Plan required by conditions 6-4 and 6-5.	Implement the approved revisions of the Infrastructure Plan required by conditions 6-4 and 6-5.	NA	Overall.	Ongoing.	NR	No revisions undertaken to date.
1008:M6-7		The Infrastructure Plan required by condition 6-2 shall be made publicly available in a manner approved by the CEO.	Make the Infrastructure Plan publicly available as per OEPA Post Assessment Guidance for Making information publicly available (OEPA 2012c).	<a href="https://project.mainroads.wa.gov.au/roe8/environment/Pages/managementplans.aspx">https://project.mainroads.wa.gov.au/roe8/environment/Pages/managementplans.aspx</a> C_OEPA_Availability of Plans and Reports_30112017	Overall.	Ongoing.	C	The Infrastructure Plan is available on the Main Roads website.
1008:M6-8		The document Peer Review – Roe Highway Extension, Report No. 11061867-01, dated 19 September 2011 by Lloyd George Acoustics shall be made publicly available prior to the commencement of construction in a manner approved by the CEO.	Make the document Peer Review – Roe Highway Extension, Report No. 11061867-01, dated 19 September 2011 publicly available as per OEPA Post Assessment Guidance for Making information publicly available (OEPA 2012c).	<a href="https://project.mainroads.wa.gov.au/roe8/environment/Pages/managementplans.aspx">https://project.mainroads.wa.gov.au/roe8/environment/Pages/managementplans.aspx</a> C_OEPA_Availability of Plans and Reports_30112017	Overall.	Prior to the commencement of construction.	C	Report is available on the Main Roads website
1008:M7-1	Construction (Inland waters environmental quality,	The proponent shall ensure that impacts from construction on wetland hydrology, water quality and flora and vegetation are minimised, through the implementation of conditions 7-2 to 7-10.	Implement conditions 7-2 to 7-10.	Refer to 1008:M1-1 and 1008:M 7-2 to 1008:M 7-10	Overall.	Ongoing.	NR	Refer to 1008:M1-1 and 1008:M 7-2 to 1008:M 7-10.
1008:M7-2	Hydrological processes and Flora and vegetation)	The proponent shall construct the Roe Swamp bridge identified in Table 2 of Schedule 1 using 'top down' construction methods.	Construct the Roe Swamp bridge identified in Table 2 of Schedule 1 using 'top down' construction methods.	Figure 1 Clearing Area	Construction.	During construction.	NR	Vegetation clearing works during pre-construction activities were limited to that within the proposal development envelop (PDE) prior to the suspension of the Project. There are no current plans to construct the Roe Swamp bridge.
1008:M7-3		The proponent shall not abstract groundwater during construction within 1.5 kilometres of the wetland boundaries of North Lake, Bibra Lake and Roe Swamp as identified in the most up to date Geomorphic Wetland Swan Coastal Plain dataset (custodians the Department of Parks and Wildlife).	No abstraction of groundwater during construction within 1.5 kilometres of the wetland boundaries of North Lake, Bibra Lake and Roe Swamp as identified in the most up to date Geomorphic Wetland Swan Coastal Plain dataset.	R_OEPA_Preston Consulting_OPEA Implementation Audit Report 6 December - 10 February 2017_20032017 R_OEPA_Preston Consulting_OPEA Implementation Audit Report 11 February – 10 March 2017_20032017 C_DoW_Additional information required for licences under the RIWI Act 1914_01122016	Construction.	During construction.	C	No groundwater was abstracted within 1.5 km of the wetland boundaries, as outlined in the condition. This was verified during onsite OEPA audits. Approval was obtained from the Department of Water for the construction of two bores, both located outside the 1.5 km buffer of the wetland boundaries.
1008:M7-4		The proponent shall not undertake dewatering activities prior to or during construction of the proposal.	No dewatering activities prior to or during construction of the proposal.	R_OEPA_Preston Consulting_OPEA Implementation Audit Report 6 December - 10 February 2017_20032017	Pre-construction and	Prior to or during construction.	C	No groundwater was dewatered within 1.5 km of the wetland boundaries, as outlined in the condition. This was verified during onsite OEPA audits.

Audit Code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further Information
1008:M7-5		The proponent shall minimise excavation activities in the development envelope in areas mapped as 'high to moderate' using the most up to date Acid Sulfate Soils risk mapping by the Department of Environment Regulation.	Minimise excavation activities in the development envelope in areas mapped as 'high to moderate' using the most up to date Acid Sulfate Soils risk mapping.	R_OEPA_Preston Consulting_OPEA Implementation Audit Report 11 February – 10 March 2017_20032017 R_OEPA_Preston Consulting_OPEA Implementation Audit Report 6 December - 10 February 2017_20032017 R_OEPA_Preston Consulting_OPEA Implementation Audit Report 11 February – 10 March 2017_20032017	construction. Construction.		C	Pre-construction activities during this audit period did not involve any major excavation works. Limited excavation activities have included vegetation clearing, fence installation, and locating underground services. Compliance with this condition was verified during the OEPA commissioned audits.
1008:M7-6		Prior to commencement of construction the proponent shall prepare a Construction Environmental Management Plan to minimise impacts from construction on inland waters environmental quality and flora and vegetation, to the requirements of the CEO, on advice of the Department of Environment Regulation.	Prepare a Construction Environmental Management Plan (CEMP) to minimise impacts from construction on inland waters environmental quality and flora and vegetation, to the requirements of the CEO, on advice of the Department of Environment Regulation.	C_OEPA_Construction Environmental Management Plan_07112016 R_Strategen_Roe Highway Extension_Construction Environmental Management Plan_112016	Pre-construction.	Prior to commencement of construction.	CLD	Inclusion of advice from the Department of Environment Regulation was addressed in the CAR for the previous audit period. The plan was approved by the CEO of the OEPA on 7 November 2016, prior to the commencement of pre-construction activities.
1008:M7-7		The Construction Environmental Management Plan shall: (1) include measures to control weeds and dust during construction to minimise the impacts on flora and vegetation; (2) outline the protocols and procedures to be implemented to ensure diseases and pathogens, such as Phytophthora cinnamomi, are not introduced into disease free areas of the proposal area during construction; (3) address testing of soils and groundwater to determine treatment regimes and management for acid sulfate soils and other contaminants; and (4) address the requirements of the Department of Environment Regulation's Acid Sulfate Soil Guidelines Series Identification and Investigation of Acid Sulfate Soils and Acidic Landscapes (2009) and Treatment and Management of Soils and Water in Acid Sulfate Soil Landscapes (2011), or any approved update of these guidelines.	Prepare a CEMP and ensure it includes the requirements specified in condition 7-7.	C_OEPA_Construction Environmental Management Plan_07112016 R_Strategen_Roe Highway Extension_Construction Environmental Management Plan_112016	Pre-construction.	Prior to commencement of construction.	C	The plan was approved by the CEO of the OEPA on 7 November 2016, prior to the commencement of pre-construction activities.
1008:M7-8		The proponent may review and revise the Construction Environmental Management Plan to the requirements of the CEO.	Review and revise the CEMP to the requirements of the CEO.	C_OEPA_Revised Construction Environmental Management Plan_30112016 R_Strategen_Roe Highway Extension_Construction Environmental Management Plan_112016	Overall.	Ongoing.	C	One amendment to the plan was made during the audit period. This was approved by the CEO of the OEPA on 30 November 2016.
1008:M7-9		The proponent shall review and revise the Construction Environmental Management Plan as and when directed by the CEO.	Review and revise the CEMP as and when directed by the CEO.	NA	Overall.	Ongoing.	NR	No such direction received to date.
1008:M7-10		The proponent shall implement the approved revisions of the Construction Environmental Management Plan required by conditions 7-8 and 7-9.	Implement the approved revisions of the CEMP required by conditions 7-8 and 7-9.	R_OEPA_Preston Consulting_OPEA Implementation Audit Report 6 December - 10 February 2017_20032017 R_OEPA_Preston Consulting_OPEA Implementation Audit Report 11 February – 10 March 2017_20032017	Overall.	Ongoing.	Generally C Two NCs	The CEMP was generally implemented during pre-construction works. This was verified during site and desktop audits commissioned by the OEPA. During this audit period two non-compliances were identified in relation to the same issue, which were later rectified. Further information regarding these non-conformances is provided in Appendix 4.
1008:M7-11		The Construction Environmental Management Plan required by condition 7-6 shall be made publicly available in a manner approved by the CEO.	Make the CEMP publicly available as per OEPA Post Assessment Guidance for Making information publicly available (OEPA 2012c).	<a href="https://project.mainroads.wa.gov.au/roe8/environment/Pages/managementplans.aspx">https://project.mainroads.wa.gov.au/roe8/environment/Pages/managementplans.aspx</a> C_OEPA_Availability of Plans and Reports_30112017	Overall.	Ongoing.	C	Plan is available on the Main Roads website.
1008:M8-1	Drainage (Inland Waters)	The proponent shall ensure that impacts to groundwater quality from the ongoing operation of the proposal are maintained	Ensure that impacts to groundwater quality from the ongoing operation of the	Refer to 1008:M8-2	Overall.	Prior to commencement	C	Only pre-construction activities were undertaken during the audit period, therefore implementation of the plan was not required.

Audit Code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further Information
	Environmental Quality)	relative to pre-construction conditions established in baseline surveys required by condition 8-3.	proposal are maintained relative to pre-construction conditions established in baseline surveys required by condition 8-3.			of construction and ongoing.		Establishment of pre-construction conditions addressed in 1008:M8-2.
1008:M8-2		Prior to commencement of construction, the proponent shall prepare a Drainage Management and Monitoring Plan to the requirements of the CEO, on advice of the Department of Water. The Drainage Management and Monitoring Plan shall: (1) when implemented, substantiate whether condition 8-1 is being met; (2) identify the locations, capacity and dimensions of bioretention and infiltration basins consistent with the Water Management Strategy (AECOM) dated 16 January 2013; (3) include ongoing maintenance measures to ensure the bioretention and infiltration basins are performing effectively; (4) include protocols and procedures for baseline monitoring of groundwater levels and groundwater quality; (5) include protocols and procedures for monitoring contaminant and nutrient levels within the bioretention and infiltration basins; (6) include protocols, procedures and locations for monitoring contaminants and nutrient levels of groundwater upstream and downstream of the bioretention and infiltration basins; (7) identify criteria to trigger implementation of management measures to remediate contaminants within the bioretention and infiltration basins and ensure the basins are performing effectively; (8) include management measures referred to in condition 8-2(7); and (9) determine the timing and frequency of reporting to the CEO.	Prepare a Drainage Management and Monitoring Plan (DMMP) and ensure it includes the requirements specified in condition 8-2.	C_OEPA_Drainage Management and Monitoring Plan_14092016 R_Strategen_Roe Highway Extension_Drainage Management and Monitoring Plan_082016	Pre-construction.	Prior to commencement of construction.	CLD	Inclusion of advice from the Department of Water was addressed in the CAR for the previous audit period. The plan was approved by the CEO of the OEPA on 7 November 2016, prior to the commencement of pre-construction activities.
1008:M8-3		Prior to commencement of construction, the proponent shall implement the approved Drainage Management and Monitoring Plan in order to collect baseline data and continue implementation until otherwise agreed by the CEO.	Implement the approved Drainage Management and Monitoring Plan in order to collect baseline data and continue implementation until otherwise agreed by the CEO.	R_Aurecon_Baseline Wetland Condition Survey and Drainage Monitoring September 2015-February 2016_31102016 C_OEPA_Baseline Wetland Condition Survey and Drainage Monitoring_02122016	Overall.	Prior to commencement of construction and ongoing until otherwise agreed by the CEO.	C	The scope of the baseline data collection was addressed as part of the previous CAR report. The Baseline Wetland Condition Survey and Drainage Monitoring was undertaken September 2015 - February 2016 Report was submitted to the OEPA in October 2016. OEPA subsequently approved the report in December 2016.
1008:M8-4		The proponent may review and revise the Drainage Management and Monitoring Plan to the requirements of the CEO.	Review and revise the DMMP to the requirements of the CEO.	NA	Overall.	Ongoing.	NR	No revisions undertaken to date.
1008:M8-5		The proponent shall review and revise the Drainage Management and Monitoring Plan as and when directed by the CEO.	Review and revise the DMMP as and when directed by the CEO.	NA	Overall.	Ongoing.	NR	No such direction received to date.
1008:M8-6		The proponent shall implement the approved revisions of the Drainage Management and Monitoring Plan required by conditions 8-4 and 8-5.	Implement the approved revisions of the DMMP required by conditions 8-4 and 8-5.	NA	Overall.	Ongoing.	NR	No revisions undertaken to date.
1008:M8-7		The Drainage Management and Monitoring Plan required by condition 8-2 shall be made publicly available in a manner approved by the CEO.	Make the DMMP publicly available as per OEPA Post Assessment Guidance for Making information publicly available (OEPA 2012c).	<a href="https://project.mainroads.wa.gov.au/roe8/environment/Pages/managementplans.aspx">https://project.mainroads.wa.gov.au/roe8/environment/Pages/managementplans.aspx</a> C_OEPA_Availability of Plans and Reports_30112017	Overall.	Ongoing.	C	Plan is available on the Main Roads website.
1008:M9-1	Wetlands (Inland Waters Environmental Quality)	The proponent shall ensure that impacts to wetland quality associated with the implementation of the proposal are minimised, through implementation of conditions 9-2 to 9-9.	Implement conditions 9-2 to 9-9.	Refer to 1008:M9-2 to 9-9	Overall.	Ongoing.	C	Refer to 1008:M9-2 to 9-9
1008:M9-2		The proponent shall undertake a Baseline Wetland Condition Survey prior to commencement of construction to the requirements of the CEO on advice from the Department of Parks and Wildlife and the Department of Water. The Baseline Wetland Condition Survey shall:	Undertake a Baseline Wetland Condition Survey prior to commencement of construction to the requirements of the CEO on	R_Aurecon_Baseline Wetland Condition Survey and Drainage Monitoring September 2015-February 2016_31102016	Pre-construction.	Prior to commencement of construction.	CLD	The scope, including necessary consultation, of the baseline data collection was addressed as part of the previous CAR report. The Baseline Wetland Condition Survey and Drainage Monitoring was undertaken September

Audit Code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further Information
		(1) have regard for Ramsar wetlands within the broader Beelihar Wetlands system; (2) cover Bibra Lake, Roe Swamp and North Lake areas adjacent to the road; (3) identify the indicators of wetland quality including physicochemical parameters and bio-indicators; and (4) include protocols to measure the indicators of wetland quality as identified in condition 9-2(3) including duration, timing and frequency.	advice from the Department of Parks and Wildlife (DPaW) and the Department of Water (DoW), which meets the requirements of condition 9-2.	C_OEPA_Baseline Wetland Condition Survey and Drainage Monitoring_02122016				2015 - February 2016 Report was submitted to the OEPA in October 2016. OEPA subsequently approved the report in December 2016.
1008:M9-3		Prior to commencement of construction, the proponent shall report the results of the Baseline Wetland Condition Survey required by condition 9-2 to the CEO.	Report the results of the Baseline Wetland Condition Survey to the CEO of the OEPA.	C_OEPA_Baseline Wetland Condition Survey and Drainage Monitoring_02122016	Pre-construction.	Prior to commencement of construction.	C	The Baseline Wetland Condition Survey and Drainage Monitoring was undertaken September 2015 - February 2016 Report was submitted to the OEPA in October 2016. OEPA subsequently approved the report in December 2016.
1008:M9-4		Prior to commencement of construction, the proponent shall prepare a Wetlands Monitoring and Management Plan to the requirements of the CEO, on advice from the Department of Parks and Wildlife and the Department of Water. The Wetlands Monitoring and Management Plan shall: (1) when implemented, substantiate whether condition 9-1 is being met; (2) include the location of monitoring and reference sites; (3) include protocols for monitoring the indicators as identified under condition 9-2(3); (4) determine the trigger levels for indicators of wetland quality to achieve the requirements of condition 9-1; (5) include protocols for monitoring wetland quality against the trigger levels identified in condition 9-4(4); and (6) identify management and contingency measures, including timeframes for their implementation, in the event that trigger levels identified under condition 9-4(4) are not met.	Prepare a Wetlands Monitoring and Management Plan (WMMP) to the requirements of the CEO, on advice from the Department of Parks and Wildlife and the Department of Water.	C_OEPA_Wetlands Monitoring and Management Plan_02122016	Pre-construction.	Prior to commencement of construction.	CLD	Inclusion of advice from the Department of Parks and Wildlife and the Department of Water was addressed in the previous CAR. The Wetlands Monitoring and Management Plan was approved by the CEO of the OEPA in December 2016.
1008:M9-5		Prior to commencement of construction, the proponent shall implement the approved Wetlands Monitoring and Management Plan, and continue implementation until otherwise agreed by the CEO.	Implement the approved WMMP.	NA	Overall.	Prior to commencement of construction, and until otherwise agreed by the CEO.	NR	Only pre-construction activities were undertaken during the audit period, therefore implementation of the plan was not required. Should construction activities occur during any subsequent audit periods, the WMMP will need to be implemented prior to the commencement of such activities.
1008:M9-6		The proponent may review and revise the Wetlands Monitoring and Management Plan to the requirements of the CEO.	Review and revise the WMMP to the requirements of the CEO.	NA	Overall.	Ongoing.	NR	No revisions undertaken to date.
1008:M9-7		The proponent shall review and revise the Wetlands Monitoring and Management Plan as and when directed by the CEO.	Review and revise the WMMP as and when directed by the CEO.	NA	Overall.	Ongoing.	NR	No such direction received to date.
1008:M9-8		The proponent shall implement the approved revisions of the Wetlands Monitoring and Management Plan required by conditions 9-6 and 9-7.	Implement the approved revisions of the WMMP required by conditions 9-6 and 9-7.	NA	Overall.	Ongoing.	NR	No revisions undertaken to date.
1008:M9-9		In the event that the monitoring indicates that the trigger criteria specified in the Wetlands Monitoring and Management Plan have been exceeded the proponent shall: (1) immediately implement the management and/or contingency actions specified in the Wetlands Monitoring and Management Plan and continue implementation of those actions until the trigger criteria are being met, or until the CEO has confirmed by notice in writing that it has been demonstrated that the outcome in condition 9-1 is being and will continue to be met and implementation of the management and/or contingency actions is no longer required; (2) investigate to determine the likely cause of the trigger criteria being exceeded and to identify any additional contingency actions required to prevent the trigger criteria being exceeded in the future; and	Take action in response to trigger exceedances and report to the CEO of the OEPA within seven days of the event in accordance with condition 9-9.	NA	Overall.	Ongoing: • (1) immediately and then continuing until trigger criteria met, or until CEO notice • (3) within seven days of an event.	NR	Construction activities did not commence during the audit period, hence reporting on trigger criteria was not required.

Audit Code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further Information
1008:M9-10		(3) provide a report to the CEO within seven days of an event, referred to in condition 9-9, occurring. The report shall include: a.details of management and/or contingency actions implemented; and b. the findings of the investigation required by condition 9-9(2).  The proponent shall submit the monitoring results required by condition 9-4, referenced against the environmental quality objective specified in condition 9-1 and the trigger levels specified in condition 9-4(4), to the CEO as part of the annual compliance reporting required by condition 4.	Submit the monitoring results required by condition 9-4, referenced against the environmental quality objective specified in condition 9-1 and the trigger levels specified in condition 9-4(4), to the CEO of the OEPA.	NA	Overall.	By 2 October 2016 and annually thereafter.	NR	Refer to 1008:M9-9.
1008:M9-11		The Wetlands Monitoring and Management Plan required by condition 9-4 shall be made publicly available in a manner approved by the CEO.	Make the WMMP publicly available as per OEPA Post Assessment Guidance for Making information publicly available (OEPA 2012c).	<a href="https://project.mainroads.wa.gov.au/roe8/environment/Pages/managementplans.aspx">https://project.mainroads.wa.gov.au/roe8/environment/Pages/managementplans.aspx</a> C_OEPA_Availability of Plans and Reports_30112017	Overall.	Ongoing.	C	Plan is available on the Main Roads website.
1008:M10-1	Flora and vegetation	The proponent shall ensure that the ongoing implementation of the proposal does not cause any detectable adverse effects on flora and vegetation communities outside of the 'zone of indirect impacts' as shown in Figure 2 and described in Schedule 1.	Ensure that the ongoing implementation of the proposal does not cause any detectable adverse effects on flora and vegetation communities outside of the 'zone of indirect impacts'.	Refer to 1008:M1-1 and 1008:M10-2 to 10-9	Overall.	Ongoing.	C	Refer to 1008:M1-1 and 1008:M10-2 to 10-9.
1008:M10-2		The proponent shall undertake a Baseline Flora and Vegetation Condition Survey prior to commencement of construction to the requirements of the CEO on advice from the Department of Parks and Wildlife. The Baseline Flora and Vegetation Condition Survey shall:  (1) use plot based surveys of the area outside the 'zone of indirect impacts', including immediately outside the 'zone of indirect impacts', and reference site locations; (2) identify the indicators of flora and vegetation health including the condition and composition of flora and vegetation communities and correlative environmental parameters including soil moisture within the survey area; and (3) include protocols to measure the indicators of flora and vegetation health including duration, timing and frequency.	Undertake a Baseline Flora and Vegetation Condition Survey prior to commencement of construction to the requirements of the CEO on advice from DPaW.	C_OEPA_Baseline Flora and Vegetation Condition Survey_06102016 C_Main Roads_Baseline Flora and Vegetation Survey_08122015 R_Ecoscape_Roe Highway Extension Baseline Flora and Vegetation Condition Survey_13092016	Pre-construction.	Prior to commencement of construction.	CLD	The survey scope was determined during the previous audit period. Inclusion of advice from the Department of Parks and Wildlife and final approval from the OEPA was reviewed as part of the previous CAR.  The Baseline Flora and Vegetation Condition Survey was undertaken in the Spring of 2015 was submitted to OEPA for review in December 2015. On 6 October, the CEO of the OEPA advised the report met the scope of works, and conditions 10-2 and 10-3 of the Ministerial Statement 1008.
1008:M10-3		Prior to commencement of construction, the proponent shall report the results of the Baseline Flora and Vegetation Survey required under condition 10-2 to the CEO.	Report the results of the Baseline Flora and Vegetation Condition Survey to the CEO of the OEPA.	C_OEPA_Baseline Flora and Vegetation Condition Survey_06102016 C_Main Roads_Baseline Flora and Vegetation Survey_08122015 R_Ecoscape_Roe Highway Extension Baseline Flora and Vegetation Condition Survey_13092016	Pre-construction.	Prior to commencement of construction.	CLD	The Baseline Flora and Vegetation Condition Survey was undertaken in the Spring of 2015 was submitted to OEPA for review in December 2015. On the 6 <sup>th</sup> of October, the CEO of the OEPA advised the report met the scope of works, and conditions 10-2 and 10-3 of the Ministerial Statement 1008.
1008:M10-4		Prior to commencement of construction, the proponent shall prepare a Flora and Vegetation Monitoring and Management Plan to the requirements of the CEO, on advice from the Department of Parks and Wildlife. The Flora and Vegetation Monitoring and Management Plan shall:  (1) when implemented, substantiate whether the requirements of conditions 10-1 are being met; (2) include the location of impact and reference vegetation condition plots; (3) include protocols for monitoring the indicators as identified in condition 10-2(2); (4) determine the trigger levels for the indicators of flora and vegetation condition to apply to the area outside the 'zone of indirect impacts';	Prepare a Flora and Vegetation Monitoring and Management Plan (FVMMP) and ensure it includes the requirements specified in condition 10-4.	C_OEPA_Flora and Vegetation Monitoring and Management Plan_06102016 R_Strategen_Roe Highway Extension_Flora and Vegetation Monitoring and Management Plan_122015	Pre-construction.	Prior to commencement of construction.	CLD	Inclusion of advice from the Department of Parks and Wildlife (DPaW) was addressed in the previous CAR.  The FVMMP was approved by the CEO of the OEPA in October 2016.



Audit Code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further Information
		(5) include protocols for monitoring flora and vegetation condition against the triggers levels identified in condition 10-4(4); (6) identify management and contingency measures, including timeframes for their implementation, in the event that trigger levels identified under condition 10-4(4) are not being met; and (7) include a Vegetation Rehabilitation Plan consistent with the Rehabilitation Strategy – Roe Highway Extension (AECOM) dated 11 July 2012 for areas that have been temporarily cleared within the development envelope.						
1008:M10-5		Prior to commencement of construction, the proponent shall implement the approved Flora and Vegetation Monitoring and Management Plan, and continue implementation until otherwise agreed by the CEO.	Implement the approved FVMMP and continue implementation until otherwise agreed by the CEO of the OEPA.	NA	Overall.	Prior to commencement of construction and ongoing until otherwise agreed by the CEO.	C	The focus of the FVMMP is on annual Spring vegetation monitoring outside the Project area. Pre-construction works, including the clearing of native vegetation, did not commence until December 2016, hence the implementation (other than undertaking the Baseline Flora and Vegetation Condition Survey) of the FVMMP did not commence during this audit period. No actual or physical preparation for rehabilitation works occurred during the audit period, hence the Vegetation Rehabilitation Plan (Appendix 3 of FVMNP) was not required to be implemented during the audit period.
1008:M10-6		The proponent may review and revise the Flora and Vegetation Monitoring and Management Plan to the requirements of the CEO.	Review and revise the FVMMP to the requirements of the CEO.	NA	Overall.	Ongoing.	NR	No revisions undertaken to date.
1008:M10-7		The proponent shall review and revise the Flora and Vegetation Monitoring and Management Plan as and when directed by the CEO.	Review and revise the FVMMP as and when directed by the CEO.	NA	Overall.	Ongoing.	NR	No such direction received to date.
1008:M10-8		The proponent shall implement the approved revisions of the Flora and Vegetation Monitoring and Management Plan required by conditions 10-6 and 10-7.	Implement the approved revisions of the FVMMP required by conditions 10-6 and 10-7.	NA	Overall.	Ongoing.	NR	No revisions undertaken to date.
1008:M10-9		In the event that the monitoring indicates that the trigger criteria specified in the Flora and Vegetation Monitoring and Management Plan have been exceeded the proponent shall: (1) immediately implement the management and/or contingency actions specified in the Flora and Vegetation Monitoring and Management Plan and continue implementation of those actions until the trigger criteria are being met, or until the CEO has confirmed by notice in writing that it has been demonstrated that the outcome in condition 10-1 is being and will continue to be met and implementation of the management and/or contingency actions is no longer required; (2) investigate to determine the likely cause of the trigger criteria being exceeded and to identify any additional contingency actions required to prevent the trigger criteria being exceeded in the future; and (3) provide a report to the CEO within seven days of an event, referred to in condition 10-9, occurring. The report shall include: (a) details of management and/or contingency actions implemented; And (b) the findings of the investigation required by condition 10-9(2).	Take action in response to trigger exceedances and report to the CEO of the OEPA within seven days of the event in accordance with condition 9-9.	NA	Overall.	Ongoing: • (1) immediately and then continuing until trigger criteria met, or until CEO notice • (3) within seven days of an event.	NR	Refer to 1008:M10-5, no monitoring was required to be undertaken during this audit period.
1008:M10-10		The proponent shall submit the monitoring results required by condition 10-4, referenced against the environmental quality objective specified in condition 10-1 and the trigger levels specified in condition 10-4(4), to the CEO as part of the annual compliance reporting required by condition 4.	Submit the monitoring results required by condition 10-4, referenced against the environmental quality objective specified in condition 10-1 and the trigger levels specified in condition	NA	Overall.	By 2 October 2016 and annually thereafter.	NR	Refer to 1008:M10-5.

Audit Code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further Information
1008:M10-11		The Flora and Vegetation Monitoring and Management Plan required by condition 10-4 shall be made publicly available in a manner approved by the CEO.	10-4(4), to the CEO of the OEPA. Make the FVMMP publicly available as per OEPA <i>Post Assessment Guidance for Making information publicly available</i> (OEPA 2012c).	<a href="https://project.mainroads.wa.gov.au/roe8/environment/Pages/managementplans.aspx">https://project.mainroads.wa.gov.au/roe8/environment/Pages/managementplans.aspx</a> C_OEPA_Availability of Plans and Reports_30112017	Overall.	Ongoing.	C	Plan is available on the Main Roads website.
1008:M11-1	Fauna	The proponent shall ensure that the proposal is implemented to facilitate movement of fauna within Beelihar Regional Park and minimise impacts as a result of fragmentation, through implementation of conditions 11-2 to 11-6.	Ensure that the proposal is implemented to facilitate movement of fauna within Beelihar Regional Park and minimise impacts as a result of fragmentation.	Refer to 1008:M11-2 to 11-6	Overall.	Ongoing.	C	Refer to 1008:M11-2 to 11-6
1008:M11-2		Prior to commencement of construction, unless otherwise agreed by the CEO, the proponent shall prepare a Fauna Management Plan to the requirements of the CEO on advice of the Department of Parks and Wildlife. The Fauna Management Plan shall: (1) provide the surveyed locations and frequency of the fauna underpasses necessary to meet the requirements of condition 11-1; (2) detail the size, shape and furniture within the fauna underpasses; (3) provide an ongoing program of inspections and maintenance to ensure the underpasses are performing effectively; (4) include a trapping and translocation program for target fauna species, which includes the southern brown bandicoot ( <i>Isodon obesulus fusciventer</i> ) and black cockatoos, or as otherwise agreed by the CEO; (5) identify objectives and monitoring protocols to measure the success of trapping and translocation program required by condition 11-2(4); (6) identify management and contingency measures, including timeframes for their implementation in the event that objectives of the trapping and translocation program in condition 11-2(4) are not being met; (7) assess the need for noise barriers or other noise mitigation measures between Bibra Drive and Progress Drive to ensure that noise does not adversely impact fauna; (8) should noise barriers or noise mitigation measures be required as a result of condition 11-2(7), identify management and contingency measures, including timeframes for their remediation, to be implemented in the event that noise levels are having an adverse impact on fauna; (9) detail the visual barriers to be installed to reduce the risk of vehicle strikes to birds between North Lake and Bibra Lake; and (10) determine the timing and frequency of reporting to the CEO.	Prepare a FMP to the requirements of the CEO on advice of DPaW. Prepare an FMP and ensure it includes the requirements specified in condition 11-2.	C_OEPA_Fauna Management Plan_23112016 R_Strategen_Roe Highway Extension_Fauna Management Plan_09022017	Pre-construction.	Prior to commencement of construction	CLD	Inclusion of advice from the Department of Parks and Wildlife was addressed in the previous CAR. The Fauna Management Plan was approved by the CEO of the OEPA in October 2016.
1008:M11-3		Prior to commencement of construction, unless otherwise agreed by the CEO, the proponent shall implement the approved Fauna Management Plan required by condition 11-2, to the satisfaction of the CEO.	Implement the approved Fauna Management Plan required by condition 11-2.	R_OEPA_Preston Consulting_OPEA Implementation Audit Report 6 December - 10 February 2017_20032017 R_OEPA_Preston Consulting_OPEA Implementation Audit Report 11 February - 10 March 2017_20032017	Overall.	Prior to commencement of construction, unless otherwise agreed by the CEO.	C	The Fauna Management Plan was implemented during the pre-construction works. This was verified, during both site and desktop audits commissioned by the OEPA.
1008:M11-4		The proponent may review and revise the Fauna Management Plan to the requirements of the CEO.	Review and revise the FMP to the requirements of the CEO.	R_Strategen_Roe Highway Extension_Fauna Management Plan_09022017 C_OEPA_Fauna Management Plan Addendum No. 1_20012017	Overall.	Ongoing.	C	Two addendums to the FMP were made during this audit period. These addendums were attached to the back of the original FMP. Each of these were proposed by Main Roads and subsequently approved by the CEO of the OEPA.

Audit Code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further Information
1008:M11-5		The proponent shall review and revise the Fauna Management Plan as and when directed by the CEO.	Review and revise the FMP as and when directed by the CEO.	NA	Overall.	Ongoing.	NR	No such direction has been provided to date.
1008:M11-6		The proponent shall implement the approved revisions of the Fauna Management Plan required by conditions 11-4 and 11-5.	Implement the approved revisions of the FMP required by conditions 11-4 and 11-5.	R_OEPA_Preston Consulting_OPEA Implementation Audit Report 6 December - 10 February 2017_20032017 R_OEPA_Preston Consulting_OPEA Implementation Audit Report 11 February – 10 March 2017_20032017	Overall.	Ongoing.	C	Refer to 1008:M11-3. The scope of the audit required the review of compliance with all management plans, including any revisions.
1008:M11-7		The proponent shall submit the outcomes of the trapping and translocation program required by conditions 11-2(4) and any management or contingency measures implemented as required by condition 11-2(6) to the CEO as part of the annual compliance reporting required by condition 4 and annually to the Department of Parks and Wildlife.	Submit the outcomes of the trapping and translocation program required by conditions 11-2(4) and any management or contingency measures implemented as required by condition 11-2(6) to the CEO.	C_BR8_Fauna Translocation Report 7_22012017 C_BR8_Fauna Translocation Report 17_07022017 C_BR8_Fauna Translocation Report 26_07022017 R_OEPA_Preston Consulting_OPEA Implementation Audit Report 6 December - 10 February 2017_20032017 R_OEPA_Preston Consulting_OPEA Implementation Audit Report 11 February – 10 March 2017_20032017 L_DPAW_Licence to Take Fauna_112016	Overall.	By 2 October 2016 and annually thereafter.	C	Outcomes of the translocation program were communicated regularly with the OEPA and DPaW throughout pre-construction activities. A selection of reports were reviewed as part of this audit. Furthermore, another selection were reviewed as part of the OEPA commissioned site and desktop audits.  Formal submission to the Department of Parks and Wildlife is required in accordance with the Licence to take Fauna on an annual basis, with the first submission due during the next audit period.
1008:M11-8		The Fauna Management Plan required by condition 11-2 shall be made publicly available in a manner approved by the CEO.	Make the FMP publicly available as per OEPA <i>Post Assessment Guidance for Making information publicly available</i> (OEPA 2012c).	<a href="https://project.mainroads.wa.gov.au/roe8/environment/Pages/managementplans.aspx">https://project.mainroads.wa.gov.au/roe8/environment/Pages/managementplans.aspx</a> C_OEPA_Availability of Plans and Reports_30112017	Overall.	Ongoing.	C	Plan is available on the Main Roads website.
1008:M12-1	Residual impacts and risk management measures	In view of the significant residual impacts to the environment, including impacts to threatened species, priority flora, fauna habitat, migratory birds, native vegetation, wetlands, Beelihar Regional Park and Bush Forever sites, as a result of implementation of the proposal, the proponent shall undertake the following requirements relating to offsets as outlined in conditions 12-2 to 12-16.	Implement conditions 1-2 to 12-6	Refer to 1008:M12-2 to 1008:M12-16	Overall.	Ongoing.	C	Refer to 1008:M12-2 to 1008:M12-16 – of the 15 conditions: <ul style="list-style-type: none"> <li>• 4 were found to be 'Not required at this stage'</li> <li>• 8 were found to be 'Compliant'</li> <li>• 3 were found to be 'Completed'</li> </ul>
1008:M12-2		Prior to commencement of construction, or as otherwise agreed by the CEO, the proponent shall submit a Land Acquisition and Management Plan to the requirements of the CEO.	Submit a Land Acquisition and Management Plan (LAMP) to the requirements of the CEO of the OEPA.	C_OEPA_Land Acquisition and Management Plan_30112016 R_AECOM_Roe Highway Extension_Land Acquisition and Management Plan_112016	Pre-construction.	Prior to commencement of construction, or as otherwise agreed by the CEO.	CLD	The LAMP was approved by the CEO of the OEPA in November 2016.
1008:M12-3		The proponent shall implement the Land Acquisition and Management Plan, prior to commencement, or as otherwise agreed by the CEO, until the CEO advises implementation may cease.	Implement the LAMP.	R_AECOM_Roe Highway Extension_Land Acquisition and Management Plan_112016 C_Main Roads_Implementation of Offsets_02122017	Overall.	until the CEO advises implementation may cease.	C	Implementation of the LAMP, is compliant to date. Acquisition of offset land identified in the LAMP has been fully funded and the land acquired.  A Memorandum of Understanding has been signed by DPaW on 27 June 2017 following liaison with DPaW regarding the arrangements and funding for the ongoing management of the land acquired.
1008:M12-4		The Land Acquisition and Management Plan shall: (1) identify at least 234 hectares of land to be acquired; (2) demonstrate that individual land parcels to be acquired are at least 100 hectares in area; (3) identify the environmental attributes of the land to be acquired which must contain: (a) at least 234 hectares of <i>Calyptorhynchus latirostris</i> (Carnaby's Cockatoo) and 219 hectares of <i>Calyptorhynchus</i>	Prepare a LAMP and ensure it includes the requirements specified in condition 12-4.	Refer to 1008:M12-2.	Pre-construction.	Prior to commencement of construction, or as otherwise agreed by the CEO.	C	Refer to 1008:M12-2.

Audit Code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further Information
		<p>banksii naso (Red-tailed Black Cockatoo) potential foraging habitat;</p> <p>(b) at least 7.5 hectares of Calyptorhynchus latirostris (Carnaby's Cockatoo) and Calyptorhynchus banksii naso (Red-tailed Black Cockatoo) potential breeding habitat;</p> <p>(c) at least 7 hectares of Conservation Category Wetland areas and an appropriate buffer;</p> <p>(d) unless subject to condition 12-4(4) remnant native vegetation similar or better than the vegetation association being impacted by the proposal; and</p> <p>(e) an assemblage of fauna and flora species similar to those being impacted.</p> <p>(4) detail a Rehabilitation Plan for any areas identified in 12-4(1) that require rehabilitation measures. The Rehabilitation Plan on advice of the Department of Parks and Wildlife shall:</p> <p>a. identify the areas to be rehabilitated;</p> <p>(b) outline the objectives and targets to be achieved;</p> <p>(c) outline timeframes and responsibilities for implementation;</p> <p>(d) outline the funding schedule and financial arrangements; and</p> <p>(e) outline monitoring, reporting and evaluation mechanisms.</p> <p>(5) detail the arrangements and funding for the ongoing management of the land acquired on advice from the Department of Parks and Wildlife; and</p> <p>(6) include monitoring and reporting requirements.</p>						
1008:M12-5		Prior to commencement of construction, or as otherwise agreed by the CEO, the proponent shall acquire, or fully fund the acquisition of, the land identified in the approved Land Acquisition and Management Plan for the purpose of conservation.	Acquire, or fully fund the acquisition of, the land identified in the approved LAMP for the purpose of conservation.	Refer to 1008:M12-2.	Pre-construction.	Prior to commencement of construction, or as otherwise agreed by the CEO.	C	Refer to 1008:M12-2. The acquisition of the land identified in the LAMP was fully funded by Main Roads prior to the commencement of pre-construction (including vegetation clearing) works.
1008:M12-6		Prior to commencement of construction, or as otherwise agreed by the CEO, the proponent shall prepare a Wetland Restoration Plan to the requirements of the CEO.	Prepare a Wetland Restoration Plan (WRP) to the requirements of the CEO.	C_011_OEPA_Roe Highway Extension MS 1008 Wetland Restoration Plan North Lake and Horse Paddock Swamp_11122015 R_Strategen_Roe Highway Extension_Wetland Restoration Plan_112015	Pre-construction.	Prior to commencement of construction, or as otherwise agreed by the CEO.	CLD	The WRP was approved by the CEO of the OEPA in December 2015.
1008:M12-7		The Wetland Restoration Plan identified in condition 12-6, shall include details on: (1) activities to be undertaken including the final area to be rehabilitated and restored; (2) timeframes for undertaking management activities; (3) roles and responsibilities; (4) funding arrangements for implementation of the plan; (5) monitoring and reporting requirements; and (6) completion criteria.	Prepare a WRP and ensure it includes the requirements specified in condition 12-7.	Refer to 1008:M12-6	Pre-construction.	Prior to commencement of construction, or as otherwise agreed by the CEO.	C	Refer to 1008:M12-6.
1008:M12-8		The Wetland Restoration Plan identified in condition 12-6 shall apply to the areas delineated in Figure 3.	Ensure WRP applies to the areas delineated in Figure 3 of the Ministerial Statement.	Refer to 1008:M12-6	Overall.	Ongoing.	C	Refer to 1008:M12-6 The approved WRP applies to the areas delineated in Figure 3 of MS 1008.
1008:M12-9		Prior to commencement of construction, or as otherwise agreed by the CEO, the proponent shall implement the Wetland Restoration Plan until the CEO advises implementation may cease.	Implement the WRP.	C_Main Roads_Implementation of Offsets_02122017	Overall.	Prior to commencement of construction, or as otherwise agreed by the CEO, until the CEO advises implementation may cease.	C	Seed collection from the proposal area was conducted in early 2016, as per Table 4 of the WRP. Main Roads advised the OEPA of this action prior to the commencement of pre-construction activities. All other actions are required during or prior to rehabilitation works, however given no actual or planned works of this kind occurred during the audit period, no further actions from the WRP were required to be implemented.

Audit Code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further Information
1008:M12-10		The proponent shall transfer 14.5 hectares of land as shown in Figure 4 into Beeliar Regional Park. This transfer shall commence within twelve (12) months of the completion of the proposal.	Transfer 14.5 hectares of land as shown in Figure 4 into Beeliar Regional Park.	NR	Operation.	Commencing within twelve (12) months of the completion of the proposal (for this condition taken to mean 'on completion of construction').	NR	Construction is not complete, hence the transfer is not required during this audit period.
1008:M12-11		Prior to commencement of construction, or as otherwise agreed by the CEO, the proponent shall prepare an Arum Lily Control Program for the land referred to in condition 12-10 to the requirements of the CEO.	Prepare an Arum Lily Control Program (ALCP) for the land referred to in condition 12-10 to the requirements of the CEO.	C_OEPA_Arum Lily Control Program_26082016R_Roe Highway Extension_Arum Lily Control Program_December 2015	Pre-construction.	Prior to commencement of construction, or as otherwise agreed by the CEO.	CLD	The ALCP was approved by the CEO of the OEPA in August 2016.
1008:M12-12		The Arum Lily Control Program required by condition 12-11 must include details on: (1) an assessment and mapping of the existing Arum Lily infestation; (2) activities to be undertaken; (3) timeframes for undertaking management activities; (4) roles and responsibilities; (5) funding arrangements for implementation of the program; (6) monitoring and reporting requirements; and (7) completion criteria.	Prepare an ALCP and ensure it includes the requirements specified in condition 12-4.	NR	Pre-construction.	Prior to commencement of construction, or as otherwise agreed by the CEO.	C	Refer to 1008:M12-12.
1008:M12-13		The proponent shall commence implementation of the Arum Lily Control Program, within twelve (12) months of completion of the proposal, until the CEO advises implementation may cease.	Commence implementation of the Arum Lily Control Program.	NR	Operation.	Commencing within twelve (12) months of the completion of the proposal (for this condition taken to mean 'on completion of construction' as completion of the operation of the road is not a meaningful or reasonable timeframe in which to meet the requirement).	NR	Completion of the proposal did not occur during this audit period, hence implementation was not required.
1008:M12-14		Prior to commencement of construction, or as otherwise agreed by the CEO, the proponent shall prepare a <i>Typha orientalis</i> Control Program for Thomsons Lake to the requirements of the CEO.	Prepare a <i>Typha orientalis</i> Control Program (TCP) for Thomsons Lake to the requirements of the CEO.	C_OEPA_Typha orientalis control program_16082016R_Roe Highway Extension_Typha orientalis Control Program_122015	Pre-construction.	Prior to commencement of construction, or as otherwise agreed by the CEO.	CLD	The TCP was approved by the CEO of the OEPA in August 2016.
1008:M12-15		The <i>Typha orientalis</i> Control Program identified in condition 12-14 shall include: (1) an assessment and mapping of the existing <i>Typha orientalis</i> infestation; (2) activities to be undertaken; (3) timeframes for undertaking management activities; (4) roles and responsibilities; (5) funding arrangements for implementation of the program; (6) monitoring and reporting requirements; and (7) completion criteria.	Prepare a TCP and ensure it includes the requirements specified in condition 12-14.	Refer to 1008:M12-14.	Pre-construction.	Prior to commencement of construction, or as otherwise agreed by the CEO.	CLD	Refer to 1008:M12-14.
1008:M12-16		Prior to commencement of construction, or as otherwise agreed by the CEO, the proponent shall implement the <i>Typha orientalis</i> Control Program and continue implementation until the CEO advises implementation may cease.	Commence implementation of the TCP.	C_Main Roads_Implementation of Offsets_02122017	Overall.	Prior to commencement of construction, or as otherwise agreed by the CEO.	CLD	The baseline survey was undertaken in May 2017 and report on the baseline survey was received 21 June 2017. Main Roads is preparing a contract to conduct the control works in the summer of 2017/18

# Appendix 3: MS 1008 Schedule 1 Audit Table

Schedule 1 of Statement 1008 audit table

Item	Element	Description	Evidence	Comments	Status
1	Clearing and disturbance	Located within the proposal development envelope as shown in Figure 1a and 1b. Includes clearing for road, drainage, and noise walls.	Figure 1 Clearing Area	Clearing of native vegetation was within the proposal development envelope (PDE). Clearing areas were surveyed in the field upon completion. Total clearing of native vegetation to date was limited to 33.97 ha, which is less than the approved 97.8 ha. Additionally, only 0.17 ha of EPP Lakes were cleared, which is less than the approved 0.95 ha.	C
2	Bridges	Over a large part of Roe Swamp and Horse Paddock Swamp / Bibra Lake. Located within the proposal development envelope as shown in Figure 1a and 1b.	I_Aerial of disturbed land_022017	Vegetation clearing works during pre-construction activities were limited to that within the PDE prior to the suspension of the Project. There are no current plans to construct these two bridges.	C
3	Noise walls	Located within the proposal development envelope as shown in Figure 1a and 1b.	I_Aerial of disturbed land_022017	Implementation of noise walls did not occur during this audit period.	NR

# Appendix 4: Subsidiary Plans Summary of Compliance and Audit Tables



Appendix 4: Subsidiary Plans Summary of Compliance

Management Plan	Status	Comments
Arum Lily Control Plan	NR	Not required to be implement until post construction. The Project did not complete construction during this audit period.
Compliance Assessment Plan	C	This is the second Compliance Assessment Report (CAR).
Construction Environmental Management Plan	Generally C Two NCs	Generally compliant, however two non-compliances were identified surrounding the one management action. Details provided in the following table.
Drainage Management and Monitoring Plan	C	Baseline Wetland Condition Survey and Drainage Monitoring was undertaken September 2015 – February 2016. Further implementation was not required during this audit period as construction did not commence.
Fauna Management Plan	C	The Fauna Management Plan was implemented during the pre-construction works
Flora and Vegetation Monitoring and Management Plan	C	The focus of the FVMMP is on annual Spring vegetation monitoring outside the Project area. Pre-construction works, including the clearing of native vegetation, did not commence until December 2016, hence the implementation (other than undertaking the Baseline Flora and Vegetation Condition Survey) of the FVMMP did not commence during this audit period.  No actual or physical preparation for rehabilitation works occurred during the audit period, hence the Vegetation Rehabilitation Plan (Appendix 3 of FVMNP) was not required to be implemented during the audit period.
Infrastructure Plan	C	Clearing did not occur within areas identified within this plan for retention.
Land Acquisition and Management Plan	C	As detailed within the plan, implementation has commenced with allocating the necessary funding for the purchase of the identified offsets.
Typha Control Plan	C	Baseline survey conducted in May 2017. Expect report on baseline survey by July 2017. In addition, a reconnaissance site visit and liaison with the Department of Parks and Wildlife occurred.
Wetlands Monitoring and Management Plan	C	Baseline Wetland Condition Survey and Drainage Monitoring was undertaken September 2015 – February 2016. Further implementation not required during this audit period as construction did not commence.
Wetlands Restoration Plan	C	Seed collection from the proposal area was conducted in early 2016, as per Table 4 of the WRP. Main Roads advises the OEPA of this action prior to the commencement of pre-construction activities.  All other actions are required during or prior to rehabilitation works, however given no actual or planned works of this kind occurred during the audit period, no further actions from the WRP were required to be implemented.

Appendix 4: CEMP Audit Table – Non-Compliance Only

Management Plan	Requirement	Phase	Details of Non-Compliance	Evidence	Status at end of audit period
Construction Environmental Management Plan	Ensure stockpiles have appropriate signage, including source location and whether it is from a high risk area.	During clearing	<p>Upon investigation, this was found to be a misinterpretation of the definition of 'stockpiles' by BR8, which was of the view that the mulch heaps did not become stockpiles until they were moved to a storage location. Once this error was identified, signage was installed on all mulch heaps (A).</p> <p>This was recorded as two non-compliances as it was noted twice during two separate consecutive OEPA audits (B). Communication with the OEPA confirms this non-compliance is now resolved (B).</p>	<p>A – Correspondence from OEPA to Main Roads, summarising the identification and close out of the non-compliance.</p> <p>B – Site photographs of signage in place on mulch piles.</p>	C

B – Site photographs of signage in place on mulch piles.



# Appendix 5: Evidence Summary Table

Appendix 5: Evidence Summary Table

Document Reference	Topic
Figure 1 Clearing Area	Clearing area during audit period
I_Aerial of disturbed land_022017	Aerial imagery from February 2017, showing the clearing progress from December 2016 to February 2017
R_001_Strategen_Main Roads Roe Highway Extension_Compliance Assessment Plan - Statement 1008_18092015	Compliance Assessment Plan as approved by OEPA
C_003_OEPA_Compliance Assessment Plan Approved - Statement 1008 - Roe Highway Extension_19102015	Correspondence of approval of the Compliance Assessment Plan by the OEPA
R_Strategen_Main Roads Roe Highway Extension_Compliance Assessment Report 2016_23092017	Initial Compliance Assessment Report for audit period 2 July 2015 to 1 July 2016
C_Main Roads_Compliance Assessment Report_27092016	Record of submission of initial CAR to OEPA
C_OEPA_Availability of Plans and Reports_30112017	Correspondence from OEPA confirming the proposal to make the plans and reports publically available on the Main Roads website to be appropriate.
C_OEPA_Infrastructure Plan_18112016	Correspondence of approval of the Infrastructure Plan by the OEPA
R_AECOM_Roe Highway Extension_Infrastructure Plan_112016	Infrastructure Plan as approved by the OEPA
R_OEPA_Preston Consulting_OPEA Implementation Audit Report 6 December - 10 February 2017_20032017	OEPA Implementation Audit Report – findings of onsite (6 December 2016 to February 2017) and evidence collection (9-10 February 2017)
R_OEPA_Preston Consulting_OPEA Implementation Audit Report 11 February – 10 March 2017_20032017	OEPA Implementation Audit Report – findings of onsite (11 February – 10 March 2017) and evidence collection (27-30 March 2017)
C_DoW_Additional information required for licences under the RIWI Act 1914_01122016	Department of Water approval for two construction wells outside of the wetland buffer area
C_OEPA_Construction Environmental Management Plan_07112016	Correspondence of approval of the Construction Environmental Plan by the OEPA
R_Strategen_Roe Highway Extension_Construction Environmental Management Plan_112016	Construction Environmental Management Plan as approved by the OEPA
C_OEPA_Revised Construction Environmental Management Plan_30112016	Correspondence of approval of the Construction Environmental Plan amendment 1 by the OEPA
R_Strategen_Roe Highway Extension_Construction Environmental Management Plan_112016	Construction Environmental Management Plan as approved by the OEPA
C_OEPA_Drainage Management and Monitoring Plan_14092016	Correspondence of approval of the Drainage Management and Monitoring Plan amendment 1 by the OEPA
R_Strategen_Roe Highway Extension_Drainage Management and Monitoring Plan_082016	Drainage Management and Monitoring Plan as approved by the OEPA
R_Aurecon_Baseline Wetland Condition Survey and Drainage Monitoring September 2015-February 2016_31102016	Baseline Wetland Condition Survey and Drainage Monitoring September 2015-February 2016
C_OEPA_Baseline Wetland Condition Survey and Drainage Monitoring_02122016	Correspondence of approval of the Baseline Wetland Condition Survey and Drainage Monitoring by the OEPA
C_OEPA_Wetlands Monitoring and Management Plan_02122016	Correspondence of approval of the Wetlands Monitoring and Management Plan by the OEPA
R_Strategen_Roe Highway Wetland Monitoring and Management Plan_112016	Wetlands Monitoring and Management Plan as approved by the OEPA
C_OEPA_Baseline Flora and Vegetation Condition Survey_06102016	Correspondence from the OEPA of approval of the Baseline Flora and Vegetation Condition Survey
C_Main Roads_Baseline Flora and Vegetation Survey_08122015	Correspondence from Main Roads to OEPA, submitting the Baseline Flora and Vegetation Condition Survey
R_Ecoscape_Roe Highway Extension Baseline Flora and Vegetation Condition Survey_13092016	Baseline Flora and Vegetation Condition Survey as approved by the OEPA
C_OEPA_Flora and Vegetation Monitoring and Management Plan_06102016	Correspondence of approval of the Flora and Vegetation Monitoring and Management Plan by the OEPA
R_Strategen_Roe Highway Extension_Flora and Vegetation Monitoring and Management Plan_122015	Flora and Vegetation Monitoring and Management Plan as approved by the OEPA

Appendix 5: Evidence Summary Table

C_OEPA_Fauna Management Plan_23112016	Correspondence of approval of the Fauna Management Plan by the OEPA
R_Strategen_Roe Highway Extension_Fauna Management Plan_09022017	Fauna Management Plan, including two addendums attached at the back of the document, as approved by the OEPA
C_OEPA_Fauna Management Plan Addendum No. 1_20012017	Correspondence of approval of the Fauna Management Plan Addendum No. 1 by the OEPA
C_OEPA_Fauna Management Plan Addendum No. 2_09022017	Correspondence of approval of the Fauna Management Plan Addendum No. 2 by the OEPA
C_BR8_Fauna Translocation Report 7_22012017	Correspondence of fauna translocation outcomes for North Lake Rd to Progress Dr
C_BR8_Fauna Translocation Report 17_07022017	Correspondence of fauna translocation outcomes for Kwinana Barricade Loop
C_BR8_Fauna Translocation Report 26_07022017	Correspondence of fauna translocation outcomes for Roe/Stock 4
L_DPAW_Licence to Take Fauna_112016	Licence to Take Fauna as issued by DPaW
C_OEPA_Land Acquisition and Management Plan_30112016	Correspondence of approval of the Land Acquisition and Management Plan by the OEPA
R_AECOM_Roe Highway Extension_Land Acquisition and Management Plan_112016	Land Acquisition and Management Plan as approved by the OEPA
C_Main Roads_Implementation of Offsets_02122017	Correspondence of the status of the implementation of offsets from Main Roads to OEPA as at December 2016
C_011_OEPA_Roe Highway Extension MS 1008 Wetland Restoration Plan North Lake and Horse Paddock Swamp_11122015	Correspondence of approval of the Wetland Restoration Plan by the OEPA
R_Strategen_Roe Highway Extension_Wetland Restoration Plan_112015	Wetland Restoration Plan as approved by the OEPA
C_OEPA_Arum Lily Control Program_26082016	Correspondence of approval of the Arum Lily Control Plan by the OEPA
R_Roe Highway Extension_Arum Lily Control Program_December 2015	Arum Lily Control Program as approved by the OEPA
C_OEPA_Typha orientalis control program_16082016	Correspondence of approval of the Typha orientalis Control Program by the OEPA
R_Roe Highway Extension_Typha orientalis Control Program_122015	Typha orientalis Control Program as approved by the OEPA

## **Appendix 6: OEPA Implementation Audit of Statement – Non-Compliance Identified**



Government of **Western Australia**  
Office of the **Environmental Protection Authority**

Mr Richard Sellers  
Commissioner of Main Roads  
Main Roads Western Australia  
PO Box 6202  
**EAST PERTH WA 6892**

*Our Ref:* 17-049537  
*Enquiries:* Ian Munro, 6145 0813  
*Email:* [compliance@epa.wa.gov.au](mailto:compliance@epa.wa.gov.au)

Dear Mr Sellers

**IMPLEMENTATION AUDIT OF STATEMENT 1008 – NON-COMPLIANCE IDENTIFIED**

The Office of the Environmental Protection Authority (OEPA) has been monitoring Main Roads Western Australia's (MRWA) implementation of the Roe Highway Extension Proposal to ensure compliance with the implementation conditions of Ministerial Statement 1008 (MS 1008). An independent environmental auditor has been retained to assist the OEPA in this matter.

The Implementation Audit Report dated 5 April 2017 (enclosed) details the outcome of the compliance monitoring undertaken for the period commencing 11 February 2017 and concluding on 10 March 2017.

The audit found that MRWA has displayed a high level of commitment and performance in implementing the Proposal in accordance with the MS 1008 conditions and its approved environmental management plans.

I note however that the audit identified non-compliance with one of the management actions identified in its Construction Environmental Management Plan (CEMP) dated November 2016 which was not fully implemented. Specifically, during clearing, MRWA did not erect signs at mulch stockpiles indicating the weed and dieback status of the mulch and source location of the mulch; see tables 3 and 9 of the CEMP. This management action is aimed at preventing the spread of weeds, diseases and pathogens to areas currently free from weeds, disease and pathogens. This issue was also identified in the previous implementation audit dated 20 March 2017.

I note your correspondence of 31 March 2017 confirms that appropriate signage has since been erected at all mulch stockpiles in accordance with the management action required by the CEMP. I now consider that the non-compliance has been addressed and that this matter has now been resolved.



Please find attached a Notice detailing the non-compliance identified by the Implementation Audit dated 5 April 2017 noting that the issue has been resolved and no further action is required.

Should you require any further information please contact Ian Munro on 6145 0813.

Yours sincerely



Kim Taylor  
**GENERAL MANAGER**

7 April 2017

Encl. Second Roe Highway Extension Implementation Audit Report

cc. Acting Managing Director, Peter Woronzow, Main Roads WA  
Project Director, Terry Pearce, Main Roads WA