

# Princes Highway Duplication Project - Winchelsea to Colac, Victoria

Compliance Assessment Report April 2018
EPBC Reference 2012/6568

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# 1 TERMS, ABBREVIATIONS AND DEFINITIONS

The terms, abbreviations and definitions that have been used in this document are listed in the below table.

**Table 1.0: List of Terms and Abbreviations** 

Definition
Roads Corporations (VicRoads)
Department of Environment
Department of Sustainability, Environment, Water, Population and
Communities
Department of Environment Land Water and Planning
Ecology and Heritage Partners Pty. Ltd.
Environmental Protection and Biodiversity Conservation Act 1999
Environmental Protection Authority
Growling Grass Frog
Hectare
The requirements of the condition has been carried out
The requirements of conditions were not triggered during the reporting
period or were no longer applicable to the reporting period
Implementation of the condition has not been carried out in accordance
with condition
https://www.vicroads.vic.gov.au/planning-and-
projects/environment/epbc-commitments

#### **2 EXECUTIVE SUMMARY**

The approval of the EPBC Act referral 2012/6568 was issued to VicRoads on the 11<sup>th</sup> January 2016 for construction of the Princes Highway Duplication Project - Winchelsea to Colac, Victoria. The location of the project is between west of Deans Marsh Road, Winchelsea and Corangamite Street, Colac.

In accordance with Condition 6 of the *Environment Protection and Biodiversity Conservation Act 1999* approval (EPBC 2012/6568), within 3 months of every 12month anniversary of the commencement of construction (6<sup>th</sup> February 2016), VicRoads must publish a report on the VicRoads website addressing compliance with each of the conditions of this approval, including implementation of the EHP Report as specified in the conditions. Documentary evidence providing proof of the date of publication and non-compliance with any of the conditions of this approval will be provided to the Department at the same time as the compliance report is published.

This compliance report addresses the current status of the Princes Highway Duplication Project - Winchelsea to Colac against the conditions for approval of the EPBC Referral Act 2012/6568 for the environmental activities carried out between 6<sup>th</sup> February 2017 and 6<sup>th</sup> February 2018. This is the second report to be prepared under the EPBC Act approval 2012/6558 for the Princes Highway Duplication Project – Winchelsea to Colac, Victoria.

#### 3 INTRODUCTION

The Princes Highway is the key east-west route in south-western Victoria, providing a strategic transport link between Melbourne, south west regional Victoria and South Australia. The Highway is identified as a key freight route for various industries such as dairy, wood processing, beef and mineral sands. The Princes Highway also provides access to a number of regional towns including Winchelsea, Colac, Camperdown, Warrnambool and Portland as well as providing an alternative route to the Great Ocean Road for tourism.

The Princes Highway duplication is a continuation of the previously duplicated section of the Princes Highway between Waurn Ponds and Winchelsea as part of improving traffic flow and road safety in the region through separation of traffic, improved road geometry and improved intersection design and access.

The project is located between the townships of Winchelsea and Colac within both the Surf Coast and Colac-Otway Shires, passing through land currently used for farming. The plan of the project area can be found in Appendix A of this report.

#### 4 BACKGROUND

The purpose of this project is to upgrade approximately 36 kilometres of the Princes Highway between Deans Marsh Road, Winchelsea and the Geelong – Warrnambool Rail line, Colac to an 'M' standard road via the construction of a new carriageway alongside the existing carriageway for the entire length of the Highway.

The new carriageway will comprise two sealed lanes of a width of 3.5 metres each, an external shoulder width of 3.5m and an internal shoulder width of 1.0 metre. A centre median of approximately 20 metres will apply along the majority of the project. A new additional bridge will be constructed over the Geelong-Warrnambool railway line at Birregurra with the existing bridge to be retained. A new rail overpass will be constructed over the Geelong-Warrnambool railway line at Warncoort comprising of two new bridge structures and the existing bridge at Birregurra Creek will be replaced in addition to being duplicated on the new carriageway.

#### 4.1 Purpose of This Document

The purpose of this document is to assess the compliance of the Princes Highway Duplication Project - Winchelsea to Colac to the EPBC Conditions of approval EPBC2012/6568.

The EPBC conditions incorporate the Ecology and Heritage Partners Pty. Ltd. (EHP) report entitled 'Princes Highway Duplication Winchelsea to Colac EPBC Preliminary Documentation Response' (October 2015) which outlines measures to mitigate the impact to the threatened Growling Grass Frog (*Litoria raniformis*) which is listed under the *Environment Protection and Biodiversity Conservation Act 1999 (EPBC)*.

#### 4.2 Environmental Protection and Biodiversity Act 1999 Requirements

The objective of the Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act) is to manage and protect flora and fauna of national and international significance including ecological communities and heritage places of national environmental significance.

#### 4.2.1 EPBC Approval

Approval of the Commonwealth Minister for the Environment is required under the EPBC Act if an 'action' will have or is likely to have a significant impact on a matter of national environmental significance. Due to potential impacts on threatened species, the project was referred to the then Department of Sustainability, Environment, Water, Population and Communities (DSEWPaC) now known as the Department of Environment (DoE) as of October 2012.

A decision was issued by the Department on the 25<sup>th</sup> November 2012 determining that the proposal was a "controlled action" thereby requiring assessment and approval under the EPBC Act before it could proceed. The relevant controlling provisions were:

- Listed threatened species and communities (sections 18 & 18A) being:
  - Growling Grass Frog (Litoria raniformis)

Final approval was issued to VicRoads on the 11<sup>th</sup> January 2016 with the Proposed Action: To duplicate approximately 36 km of the Princes Highway from Deans-Marsh Road, Winchelsea to Corangamite Street, Colac, Victoria. A copy of the EPBC Approval Notice can be found on the DoE website:

http://epbcnotices.environment.gov.au/\_entity/annotation/08052191-86bd-e511-8a4b-005056ba00a8/a71d58ad-4cba-48b6-8dab-f3091fc31cd5?t=1479166234770

#### 4.2.2 Performance and Compliance Reporting

Under Condition 6 of the approved EPBC Act referral 2012/6568, an annual compliance assessment report is required to be published on VicRoads website within 3 months of every 12 month anniversary of the date of commencement of construction (2<sup>nd</sup> February 2016), addressing compliance with each of the conditions of the approval.

#### 4.2.3 Non-Compliance Reporting

There are no non-compliance occurrences during this reporting period.

#### 5 PROJECT COMPLIANCE

#### 5.1 Compliance with EPBC Conditions of Approval

As requested in the letter dated 3<sup>rd</sup> February 2016 from the Department of Environment's Post Approval Section, this report has been prepared to provide the Department of Environment with a status update on each of the conditions of approval.

VicRoads has complied with all conditions referenced in the EPBC Act approval 2012/6568 for the annual reporting period. A summary of the performance and compliance with each of the 16 conditions of approval has been provided in Section 4 of this report.

# 6 PERFORMANCE AND COMPLIANCE OF EPBC 2012/6568

The table below provides details of the status of compliance with the conditions of the EPBC Act approval notice (EPBC 2012/6568) for the Princes Highway Duplication Project - Winchelsea to Colac.

Table 2.0: EPBC Act Approval Notice 2012/6568 Compliance Results

Item	Conditions of the Approval	Section 1 – Winchelsea to Armytage Road	Section 2 – Armytage Road To Warncoort	Section 3 – Warncoort to Colac
1	The approval holder must ensure the proposed action does not remove Growling Grass Frog habitat outside of the construction footprint.	No construction activity outside the construction footprint is a specific requirement of the VicRoads Contract Specification for this Section of works.	No construction activity outside the construction footprint is a specific requirement of the VicRoads D&C Contract Specification for this Section of Works.	No construction activity outside the construction footprint is a specific requirement of the VicRoads Contract Specification for this Section of works.
		Fencing has been installed identifying the ROW for the project with no ground disturbance to be conducted outside of this boundary. Regular surveillance visits are conducted by VicRoads to ensure that works are not being conducted outside of the ROW.  All top-soil which is stripped is to be re-used in order to reduce the likely spread of Chytrid fungus to surrounding habitats outside the project area.	Fencing has been installed identifying the ROW for the project with no ground disturbance to be conducted outside of this boundary. Regular surveillance visits are conducted by VicRoads to ensure that works are not being conducted outside of the ROW.  All top-soil which is stripped is to be re-used in order to reduce the likely spread of Chytrid fungus to surrounding habitats outside the project area.	Fencing has been installed identifying the ROW for the project with no ground disturbance to be conducted outside of this boundary. Regular surveillance visits are conducted by VicRoads to ensure that works are not being conducted outside of the ROW.  All top-soil which is stripped is to be re-used in order to reduce the likely spread of Chytrid fungus to surrounding habitats outside the project area.

tem	Conditions of the Approval	Section 1 – Winchelsea to Armytage Road	Section 2 – Armytage Road To Warncoort	Section 3 – Warncoort to Colac
2	To mitigate impacts to the Growling Grass Frog, the approval holder must:  a) Implement the mitigation measures outlined in pages 13-22 of the EHP Report  b) Implement best practice hygiene protocol(s) for control of diseases in frogs to prevent the spread of disease  c) Establish no-go zones prior to the commencement of construction in accordance with Figures 2a-2y and Appendix 2 of the Ecology and Heritage Partners (EHP) Report and maintain these during construction  d) Ensure pre-clearance surveys are undertaken 1 week prior to the commencement of construction  e) Ensure Growling Grass Frogs identified within the construction footprint during pre-clearance surveys and during construction are relocated in accordance with the translocation procedure at Appendix 3 of the EHP Report  f) When construction is being undertaken within 50 metres either side of Birregurra Creek, daily flow rates will be monitored and construction within 50 metres either side of Birregurra Creek will be suspended if flow rates exceed 40 mega litres per day.  g) Induct site personnel prior to their commencement of work on the proposed action	<ul> <li>a) Mitigation measures outlined in the report have been incorporated into the Construction Contract. E&amp;H Partners were engaged to confirm that a change to existing working hours of 7am – 6pm weekdays and Saturday could be modified to 6am – 7pm Monday – Sunday without having new or increased impact to the GGF. The EPBC was modified accordingly and sent to the DoE 8th December 2016 with the DoE acknowledging receipt and accepting the change via email 22nd December 2016.</li> <li>b) All contracts have had appropriate clauses included regarding requirements for hygiene protocols.</li> <li>Site induction clearly indicates hygiene protocols to be followed to prevent spread of disease in frogs.</li> <li>WBHO EHS representative conducts weekly site inspections to ensure that hygiene practices are being followed.</li> <li>c) No-go zones have been installed prior to works commencing onsite. Regular surveillance visits are conducted to ensure they are maintained.</li> </ul>	a) Mitigation measures outlined in the report have been incorporated into the Design and Construction Contract. E&H Partners were engaged to confirm that a change to existing working hours of 7am – 6pm weekdays and Saturday could be modified to 6am – 7pm Monday – Sunday without having new or increased impact to the GGF. The EPBC was modified accordingly and sent to the DoE 8th December 2016 with the Doe acknowledging receipt and accepting the change via email 22nd December 2016. b) All contracts have had appropriate clauses included regarding requirements for hygiene protocols. Site induction clearly indicates hygiene protocols to be followed to prevent spread of disease in frogs.  BMD Environmental representative conducts weekly site inspections to ensure that hygiene practices are being followed. c) No-go zones have been installed prior to works commencing onsite. Regular surveillance visits are conducted to ensure they are maintained.	a) Mitigation measures outlined in the report have been incorporated into the Construction Contract. E&H Partners were engaged to confirm that a change to existing working hours of 7am – 6pm weekdays and Saturday could be modified to 6am – 7pm Monday – Sunday without having new or increased impact to the GGF. The EPBC was modified accordingly and sent to the DoE 8 <sup>th</sup> December 2016 with the DoE acknowledging receipt and accepting the change via email 22 <sup>nd</sup> December 2016. b) All contracts have had appropriate clauses included regarding requirements for hygiene protocols.  Site induction clearly indicates hygiene protocols to be followed to prevent spread of disease in frogs.  Decmil EHS representative conducts weekly site inspections to ensure that hygiene practices are being followed.  c) No-go zones have been installed prior to works commencing onsite. Regular surveillance visits are conducted to ensure they are

Item	Conditions of the Approval	Section 1 – Winchelsea to Armytage Road		Section 2 – Armytage Road To Warncoort	S	section 3 – Warncoort to Colac
		A qualified ecologist from EHP has conducted a survey on behalf of VicRoads on all water bodies throughout the section. A report subsequently generated indicated if each water body presented as a high or low	d)	A qualified ecologist from EHP has conducted a survey on behalf of VicRoads on all water bodies throughout the section. A report subsequently generated indicated if each water body presented as a	d)	A qualified ecologist from EHP has conducted a survey on behalf of VicRoads on all water bodies throughout the section. A report subsequently generated indicated if each water body presented as a
		quality environment for the GGF. In addition to this each water body was identified as either requiring removal or not with the latter fenced to prevent		high or low quality environment for the GGF. In addition to this each water body was identified as either requiring removal or not with		high or low quality environment for the GGF. In addition to this each water body was identified as either requiring removal or not with
		disturbance during construction. Water bodies identified as requiring removal had a pre clearance survey again conducted by an ecologist from		the latter fenced to prevent disturbance during construction. Water bodies identified as requiring removal had a pre-clearance survey		the latter fenced to prevent disturbance during construction. Water bodies identified as requiring removal had a pre clearance survey
		EHP on behalf of WBHO to monitor for signs of GGF and deal with accordingly.		again conducted by an ecologist from EHP on behalf of BMD to monitor for signs of GGF and deal with accordingly.		again conducted by an ecologist from Monarc Environmental on behalf of Decmil to monitor for signs of
		Requirements for the relocating of any frogs identified onsite has been included in the contract and environmental site inductions. No GGF have been	e)	Requirements for the relocating of any frogs identified onsite has been included in Contracts and environmental site inductions.	e)	Requirements for the relocating of any frogs identified onsite has been
		encountered in this section of construction.		GGF's encountered in this section of construction have been relocated by an ecologist from EHP and a register of	f)	included in the contract and environmental site inductions.  Not applicable to Section 3.
		Not applicable to Section 1.  VicRoads staff and contractors working on Section 1 have been industed with regard to CCF.	t,	sightings compiled which can be found in Appendix B of this report.	g)	VicRoads staff and contractors working on Section 3 have been inducted with regard to
		inducted with regard to GGF. VicRoads along with WBHO are responsible for ensuring all new	f)	This requirement has been included in the Contract documentation for Section 2		GGF. VicRoads along with Decmil are responsible for ensuring all new starters to the

Item	Conditions of the Approval	Section 1 – Winchelsea to Armytage Road	Section 2 – Armytage Road To Warncoort	Section 3 – Warncoort to Colac
		starters to the project are inducted accordingly prior to commencing work on site. Inductions include species fact sheets, no-go zones, relocation procedures and restrictions etc.	works and flow rate monitoring in place.  g) All VicRoads staff and contractors working on Section 2 have been inducted with regard to GGF. VicRoads along with BMD are responsible for ensuring that all new starters to the project are inducted accordingly prior to commencing work on site. Inductions include species fact sheets, no-go zones, relocation procedures and restrictions etc.	project are inducted accordingly prior to commencing work on site. Inductions include species fact sheets, no-go zones, relocation procedures and restrictions etc
3	a) To compensate for the removal of Growling Grass Frog habitat the approval holder must create at least 1.26 ha of Growling Grass Frog habitat offsets within 12 months of completion of construction. The creation of Growling Grass Frog habitat, including locations, size and vegetative structure, must be in accordance with the Growling Grass Frog habitat creation guidelines as described in pages 65-71 of the EHP Report. The approval holder must provide to the Minister:  i. The offset attributes and shape files for the proposed offsets; and  ii. Evidence the Growling Grass Frog offset has been established within 12 months of completion of construction	<ul> <li>a) Section 1 design has included the construction of a GGF water body with minimum 0.14 ha of habitat in accordance with EHP report. Works are included in the main roadworks contract.  Detailed technical drawings for the habitat have been produced and have been approved by EHP. Technical drawings including evidence of when the offset was established will be provided to the DoE upon completion of their construction.</li> <li>b) It is a requirement of the Roadworks contract that the Contractor maintains the GGF offset for three years after the works are completed. It will</li> </ul>	a) Section 2 design has a requirement to provide 6 GGF water bodies each with a minimum of 0.14 ha (0.84 ha total) of habitat in accordance with EHP report. Works are included in the main roadworks design and construct contract.  Detailed technical drawings for the habitat are being produced to be approved by EHP.  Technical drawings including evidence of when the offset was established will be provided to the DoE upon completion of their construction.  b) It is a requirement of the Roadworks contract that the	<ul> <li>a) There is no requirement to provide GGF habitat offsets within Section 3 in accordance with EHP report.</li> <li>b) Not applicable</li> </ul>

Item	Conditions of the Approval	Section 1 – Winchelsea to Armytage Road	Section 2 – Armytage Road To Warncoort	Section 3 – Warncoort to Colac
	b) Once created, maintain the Growling Grass Frog offset to the standard of the Growling Grass Frog habitat creation guidelines as described in pages 65-71 of the EHP Report for the life of the approval.	then become the responsibility of VicRoads to ensure their maintenance for the life of the approval (1st December 2032)	Contractor maintains the GGF offset for three years after the works are completed. It will then become the responsibility of VicRoads to ensure their maintenance for the life of the approval (1st December 2032)	
4	Within 7 calendar days of the commencement of construction, the approval holder must advise the Department in writing of the actual date of commencement of construction.	Notice of commencement of construction provided for Section 1 – Winchelsea to Armytage. Works commenced on 6 <sup>th</sup> July 2016.	Notice of commencement of construction provided for Section 2 – Armytage to Warncoort. Works commenced on 2 <sup>nd</sup> February 2016 including services relocations and fencing works.	Notice of commencement of construction provided for Section 3 – Warncoort to Colac East. Works commenced on 18 December 2017.
5	The approval holder must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval, including measures taken to implement the reports required by this approval, and make them available upon request to the Department. Such records may be subject to audit by the Department or an independent auditor in accordance with section 458 of the EPBC Act, or used to verify compliance with the conditions of approval. Summaries of audits will be posted on the Department's website. The results of audits may also be publicised through the general media.	VicRoads PH2 Section 1 Project Team is maintaining records of all activities associated with or relevant to the conditions of approval. This document will be available to DoE upon request and will form the basis for provision of future compliance assessment reports. These records are available for auditing purposes.	VicRoads PH2 Section 2 Project Team is maintaining records of all activities associated with or relevant to the conditions of approval. This document will be available to DoE upon request and will form the basis for provision of future compliance assessment reports. These records are available for auditing purposes.	VicRoads PH2 Section 3 Project Team is maintaining records of all activities associated with or relevant to the conditions of approval. This document will be available to DoE upon request and will form the basis for provision of future compliance assessment reports. These records are available for auditing purposes.
6	Within three months of every 12 month anniversary of the commencement of construction, the approval holder must publish a report on their website addressing compliance with each of the conditions of this	As discussed with DoE EPBC Compliance Monitoring Team, VicRoads will publish a Compliance Assessment Report for the whole project and not individual reports	See Section 1 comment	See Section 1 comment

Item	Conditions of the Approval	Section 1 – Winchelsea to Armytage Road	Section 2 – Armytage Road To Warncoort	Section 3 – Warncoort to Colac
	approval, including implementation of the EHP Report, as specified in the conditions.  Documentary evidence providing proof of the date of publication and non-compliance with any of the conditions of this approval must be provided to the Department at the same time as the compliance report is published.	for each section, hence only one annual report is required within three months of the 12 month anniversary of commencement of construction for Section 2. Works commenced on 2 <sup>nd</sup> February 2016 and hence the second compliance report (this report) must be submitted to the Department no later than 2 <sup>nd</sup> May 2018.		
7	Upon the direction of the Minister, the approval holder must ensure that an independent audit of compliance with the conditions of approval is conducted and a report submitted to the Minister. The independent auditor must be approved by the Minister prior to the commencement of the audit. Audit criteria must be agreed to by the Minister and the audit report must address the criteria to the satisfaction of the Minister.	Noted	Noted	Noted
8	The approval holder may choose to revise a management report, plan or strategy approved by the Minister under conditions 2 and 3 without submitting it for approval under section 143A of the EPBC Act, if the taking of the action in accordance with the revised report, plan or strategy would not be likely to have a new or increased impact. If the approval holder makes this choice they must:  i. Notify the Department in writing that the approved report, plan or strategy has been revised and provide the Department with an electronic copy of the revised report, plan or strategy;	EPBC 2012/6568 noted that a mitigation for noise and light pollution affecting GGF was to limit works: "Hours of work shall be between 7am and 6pm weekdays and Saturday" Consultation with EHP has provided VicRoads with approval to conduct works outside the hours of 7am and 6pm during the summer months by working between sunrise and sunset as well as allowing ad-hoc work to be conducted at night and on Sundays as it is considered that such activities will not have a new or increased impact on the GGF. The	See Section 1 comment	See Section 1 comment

Item	Conditions of the Approval	Section 1 – Winchelsea to Armytage Road	Section 2 – Armytage Road To Warncoort	Section 3 – Warncoort to Colac
	ii. Implement the revised report, plan or strategy from the date that the report, plan or strategy is submitted to the Department; and  iii. For the life of this approval, maintain a record of the reasons the approval holder considers that taking the action in accordance with the revised report, plan or strategy would not be likely to have a new or increased impact	EPBC was modified accordingly and sent to the DoE 8 <sup>th</sup> December 2016 with the DoE acknowledging receipt and accepting the change via email 22 <sup>nd</sup> December 2016.		
9	The approval holder may revoke their choice under condition 8 at any time by notice to the Department. If the approval holder revokes the choice to implement a revised report, plan or strategy without approval under section 143A of the EPBC Act, the plan or strategy approved by the Minister must be implemented.	Noted	Noted	Noted
10	Condition 8 does not apply if the revisions to the approved report, plan or strategy include changes to environmental offsets provided under the report, plan or strategy in relation to the matter, unless otherwise agreed in writing by the Minister. This does not otherwise limit the circumstances in which the taking of the action in accordance with a revised report, plan or strategy would, or would not, be likely to have new or increased impacts.	Noted	Noted	Noted

Item	Conditions of the Approval	Section 1 – Winchelsea to Armytage Road	Section 2 – Armytage Road To Warncoort	Section 3 – Warncoort to Colac
11	If the Minister gives a notice to the approval holder that the Minister is satisfied that the taking of the action in accordance with the revised report, plan or strategy would be likely to have a new or increased impact, then:	Noted	Noted	Noted
	<ul> <li>i. Condition 8 does not apply, or ceases to apply, in relation to the revised report, plan or strategy; and</li> </ul>			
	ii. The approval holder must implement the report, plan or strategy approved by the Minister. To avoid any doubt, this condition does not affect any operation of conditions 8, 9 and 10 in the period before the day the notice is given.			
12	At the time of giving the notice the Minister may also notify that for a specified period of time that condition 8 does not apply for one or more specified reports, plans or strategies required under the approval.	Noted	Noted	Noted
13	Conditions 8, 9, 10 and 11 are not intended to limit the operation of section 143A of the EPBC Act which allows the approval holder to submit a revised report, plan or strategy to the Minister for approval.	Noted	Noted	Noted
14	If, at any time after 5 years from the date of this approval, the approval holder has not substantially commenced the action, then the approval holder must not substantially commence the action without the written agreement of the Minister.	Works commenced on 6 <sup>th</sup> July 2016	Works commenced on 2 <sup>nd</sup> February 2016	Work commenced on 18 December 2017.
15	Unless otherwise agreed to in writing by the Minister, the approval holder must publish a	VicRoads has published the Ecology and Heritage Partners (EHP) Report	See Section 1 comment	See Section 1 comment

Item	Conditions of the Approval	Section 1 – Winchelsea to Armytage Road	Section 2 – Armytage Road To Warncoort	Section 3 – Warncoort to Colac
	copy of each report, plan and strategy referred to in these conditions of approval on their website. Each report, plan and strategy must be published on the website within one (1) month of being approved.	entitled 'Princes Highway Duplication Winchelsea to Colac EPBC Preliminary Documentation Response' (October 2015) on its website.		
16	Within 1 month of the completion of construction of each project stage, the approval holder must advise the Department in writing of the actual date of completion of construction of each project stage.	Construction yet to be completed	Construction yet to be completed	Construction yet to be completed.

## **7 ACKNOWLDEGEMENT**

Ecology & Heritage Partners Pty. Ltd.: Andrew Taylor

VicRoads: Frank Kauhausen, Matthew Armitstead, Dylan O'Keefe, David Jelbart

Department of the Environment: Lisa Hogan, Narelle Sutherland

The Department of Environment, Land, Water and Planning: Garry Peterson, Donna Burns

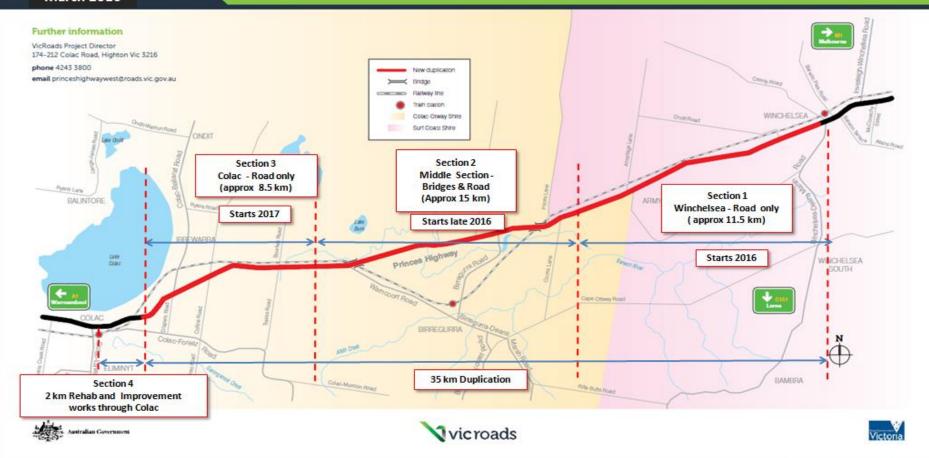
# 8 APPENDIX A – PROJECT MAP

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# Princes Highway Winchelsea to Colac

#### March 2016



keeping victorians connected

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# 9 APPENDIX B – GROWLING GRASS FROG REGISTER

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Table 3.0: Register of Growling Grass Frog Observations at Princes Highway Duplication – Winchelsea to Colac

Date	Location	Description	In Work Area? (Y/N)	Time of Observation	Observer	Action	Reported By
04/01/2017	Waterbody 29	Ecologist performing a day survey as a result of GGF heard in waterbody 29 previous day during pre- clearance survey	N	10:00 am	Chad Browning (Ecologist)	Ecologist salvaged 2 Growling Grass Frogs including 1 metamorph and 1 adult and relocated to waterbody 30a – 100m west of waterbody 29	Anton Ponomarenko
04/01/2017	Waterbody 29	Ecologist performing a night survey as a result of GGF heard in waterbody 29 previous day	N	9:30 pm	Chad Browning (Ecologist)	Ecologist salvaged 28 Growling Grass Frogs including 3 tadpoles, 14 metamorphs and 11 adults and relocated to waterbody 30a. Additional night survey to be undertaken on 5/01/2017	Anton Ponomarenko
5/01/2017	Waterbody 29	Ecologist performing a night survey	N	9:30 pm	Chad Browning (Ecologist)	Ecologist salvaged 108 Growling Grass Frogs including 49 metamorphs and 59 adults and relocated to waterbody 30a. Ecologist advised to not disturb the pond until 9/01/2017 morning to allow the frogs a chance to disperse. On 9/01/2017 the ecologist is going to be present during the excavation works in the pond to ensure no harm is done to any remaining frogs if there are any still remaining	Anton Ponomarenko
9/01/2017	Waterbody 29	Ecologist supervising works in the pond	N	7:30 am	Chad Browning (Ecologist)	Ecologist salvaged 14 Growling Grass Frogs including 1 metamorph and 13 adults and relocated to waterbody 30a. Ecologist was present until bulk of the excavations were complete	Anton Ponomarenko
30 <sup>th</sup> November 2018	300m East of Waterbody 63	Whilst stripping topsoil, a single roaming Growling	Y	2:00pm	Decmil Operator	Construction halted in the area and allowed the GGF to move on from the works area. Ecologist was	Jeff Mundy

Grass I	Frog was	called and conducted a survey	
discove	ered in an	including a call back survey on the	
unm	narked	4/12/2018. No Growling Grass	
drainage	e channel.	Frogs were recorded in the survey.	
		Works were then allowed to	
		recommence.	