



Referral of a Proposal to the Environmental Protection Authority under Section 38 of the *Environmental Protection Act 1986*.

PURPOSE OF THIS FORM

Section 38 of the *Environmental Protection Act 1986* (EP Act) makes provision for the referral to the Environmental Protection Authority (EPA) of a proposal (significant proposals, strategic proposals and proposals under an assessed scheme) by a proponent, a decision making authority (DMA), or any other person.

The purpose of this form is to ensure that EPA has sufficient information about a proposal to make a decision about the nature of the proposal and whether or not the proposal should be assessed under Part IV of the EP Act. Information provided in the referral form must be brief (no more than 30 pages), sharp and succinct to achieve the purposes of this form.

This form does not prevent the referrer from providing a supplementary referral report. Should a referrer choose to submit a supplementary referral report please ensure the following.

- i. Information is short, sharp and succinct.
- ii. Attachments are below eight megabytes (8 MB) as they will be published on the EPA's website (exemptions apply) for public comment. To minimise file size, "flatten" maps and optimise pdf files.
- iii. Cross-references are provided in the referral form to the appropriate section/s in the supplementary referral report.

This form is to be used for all proposals¹ which can be referred to the EPA under section 38 of the EP Act; i.e. referrals from: **proponents** of proposals (significant proposals, strategic proposals, derived proposals, proposals under an assessed scheme); **DMAs** (significant proposals); and **third parties** (significant proposals).

This form is divided into several sections, including; Referral requirements and Declaration; Part A - Information of the proposal and proponent; and Part B Environmental Factors. Guidance on successfully completing this form is provided throughout the form and is also available in the EPA's *Environmental Assessment Guideline for Referral of a Proposal under s38 of the EP Act* (EAG 16).

¹ Please note that this form consolidates and replaces the following forms: *Referral of a Proposal by the Proponent to the EPA under section 38(1) of the EP Act*, *Referral of a Proposal by a third party to the EPA under section 38(1) of the EP Act*, and *Referral of a development proposal to the EPA by the decision making authority*.

Send completed forms to

Office of the Environmental Protection Authority
Locked Bag 10, East Perth WA 6892

or

Email: Registrar@epa.wa.gov.au

Enquiries

Office of the Environmental Protection Authority
Locked Bag 10, East Perth WA 6892

Telephone: 6145 0800

Fax: 6145 0895

Email: info@epa.wa.gov.au

Website: www.epa.wa.gov.au

Referral requirements and Declaration

The following section outlines the referral information required from a proponent, decision making authority and third party.

(a) Proponents

Proponents are expected to complete all sections of the form and provide GIS spatial data to enable the EPA to consider the referral. Spatial GIS data is necessary to inform the EPA's decision.

The EPA expects that a proponent will address Part B of the form as thoroughly as possible to demonstrate whether or not the EPA's objectives for environmental factors can be met.

If insufficient information is provided the EPA will request more information and processing of the referral will commence once the information is provided or the EPA decides to make a precautionary determination on the available information.

Proponent to complete before submitting form	
Completed all the questions in Part A (essential)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Completed all the questions in Part B	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Completed all other applicable questions	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Included Attachment 1 – any additional document(s) the proponent wishes to provide	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Included Attachment 2 – confidential information (if applicable)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Enclosed an electronic copy of all referral information, including spatial data and contextual mapping but clearly separating any confidential information	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Completed the Declaration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
What is the type of proposal being referred? <i>* a referred proposal seeking to be declared a derived proposal</i>	<input checked="" type="checkbox"/> significant <input type="checkbox"/> strategic <input type="checkbox"/> derived* <input type="checkbox"/> under an assessed scheme
Do you consider the proposal requires formal environmental impact assessment?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, what level of assessment? <i>API = Assessment of Proponent Information</i> <i>PER = Public Environmental Review</i>	<input type="checkbox"/> API Category A <input type="checkbox"/> API Category B <input type="checkbox"/> PER


NB: The EPA may apply an Assessment on Proponent Information (API) level of assessment when the proponent has provided sufficient information about:

- the proposal;
- the proposed environmental impacts;
- the proposed management of the environmental impacts; and
- when the proposal is consistent with API criteria outlined in the [Environmental Impact Assessment \(Part IV Division 1 and 2\) Administrative Procedures 2012](#).

If an API A formal level of assessment is considered appropriate, please refer to Environmental Assessment Guideline No. 14 *Preparation for an Assessment on Proponent Information (Category A) Environmental Review Document EAG 14 (EAG14)*.

Declaration

I, Ardeshir Bahmani, declare that I am authorised on behalf of Main Roads WA to submit this form and further declare that the information contained in this form is true and not misleading.

Signature 		Name Ardeshir Bahmani	
Position	Project Manager	Organisation	Main Roads WA
Email	ardeshir.bahmani@mainroads.wa.gov.au		
Address	PO Box 333		
	Northam	WA	6401
Date	31 March 2016		

(b) Decision-making authority

The EPA expects decision-making authorities to complete applicable sections of Part A of the form and provide the proponent an opportunity to provide additional information in Part B of the form where appropriate.

Wherever possible the DMA should obtain relevant spatial information from the proponent and provide this to the EPA with the referral.

DMA to complete before submitting form	
Completed all the questions in Part A (essential)	<input type="checkbox"/> Yes <input type="checkbox"/> No
Provided Part B to the proponent for completion	<input type="checkbox"/> Yes <input type="checkbox"/> No
Completed all other applicable questions	<input type="checkbox"/> Yes <input type="checkbox"/> No
Included Attachment 1 – any supporting information	<input type="checkbox"/> Yes <input type="checkbox"/> No
Enclosed an electronic copy of all referral information, including spatial data and contextual mapping	<input type="checkbox"/> Yes <input type="checkbox"/> No
Completed the below Declaration	<input type="checkbox"/> Yes <input type="checkbox"/> No
Do you consider the proposal requires formal environmental impact assessment?	<input type="checkbox"/> Yes <input type="checkbox"/> No
What is the type of proposal being referred?	<input type="checkbox"/> significant proposal <input type="checkbox"/> significant proposal under an assessed scheme

Declaration

I,, (*full name*) submit this referral to the EPA for consideration of the environmental significance of its impacts.

Signature		Name (print)	
Position		Organisation	
Email			
Address	Street No.	Street Name	
	Suburb	State	Postcode
Date			

(c) Third Party

Third parties are asked to have consideration for the Significance Test outlined in Part A Section 1.5 of this form before referring a significant proposal to the EPA. The EPA will only consider proposals that are likely, if implemented, to have a significant effect on the environment.

Third parties are to provide sufficient information to clearly identify the significant proposal, the proponent, and their reasons for referring the proposal. This can be done by completing as much of Part A of the form as possible, taking into consideration the information available. Third parties may wish to fill in Part B of the form to advance their own views of the significance of the environmental impacts and the need for EPA assessment.

In most cases the EPA will seek additional information from the proponent. This will be to confirm or amend the identity of the proponent, the proposal, and to allow the proponent opportunity to provide its views on the significance of the environmental impacts and the need for EPA assessment.

Third Party to complete before submitting form	
Complete all applicable questions in Part A and B	<input type="checkbox"/> Yes <input type="checkbox"/> No
Completed the Declaration	<input type="checkbox"/> Yes <input type="checkbox"/> No
Do you consider the proposal requires formal environmental impact assessment?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Declaration

I,, (*full name*) submit this referral to the EPA for consideration of the environmental significance of its impacts.

Signature		Name (print)	
Email			
Position		Organisation	
Address	Street No.	Street Name	
	Suburb	State	Postcode
Date			

PART A: Information on the proposal and the proponent

All fields of Part A must be completed by the proponent and/or decision-making authority for this document to be processed as a referral. Third party referrers are only expected to fill in the fields they have information for.

1 PROPONENT AND PROPOSAL DESCRIPTION

1.1 The proponent of the proposal

Proponent and/or DMA to complete	
Name of the proponent	Main Roads WA
Joint Venture parties (if applicable)	
Australian Business/ Company Number(s)	ABN: 50 860 676 021
Postal Address <i>(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)</i>	PO Box 6202 East Perth WA 6892
Key proponent contact for the proposal <i>Please include: name; physical address; phone; and email.</i>	Rochelle Lupton Rochelle.lupton@mainroads.wa.gov.au (08) 9323 4012
Consultant for the proposal (if applicable) <i>Please include: name; physical address; phone; and email.</i>	

1.2 Proposal

Proposal is defined under the EP Act to mean a “project, plan, programme policy, operation, undertaking or development or change of land use, or amendment of any of the foregoing, but does not include scheme”. Before completing this section please refer to [Environmental Protection Bulletin 17 – Strategic and derived proposals \(EPB 17\)](#) and [Environmental Assessment Guideline for Defining the Key Characteristics of a proposal \(EAG 1\)](#).

Proponent and/or DMA to complete	
Title of the proposal	Toodyay Road Widening SLK 12.71 to SLK 40.14
What project phase is the proposal at?	<input type="checkbox"/> Scoping <input type="checkbox"/> Feasibility <input checked="" type="checkbox"/> Detailed design is currently being started <input type="checkbox"/> Other _____
Proposal type <i>More than one proposal type can be identified, however for filtering purposes it is recommended that only the primary proposal type is identified.</i>	<input type="checkbox"/> Power/Energy Generation <input type="checkbox"/> Hydrocarbon Based – coal <input type="checkbox"/> Hydrocarbon Based – gas <input type="checkbox"/> Waste to energy <input type="checkbox"/> Renewable – wind <input type="checkbox"/> Renewable – wave <input type="checkbox"/> Renewable – solar

Proponent and/or DMA to complete

	<ul style="list-style-type: none"><input type="checkbox"/> Renewable – geothermal<input type="checkbox"/> Mineral / Resource Extraction<ul style="list-style-type: none"><input type="checkbox"/> Exploration – seismic<input type="checkbox"/> Exploration – geotechnical<input type="checkbox"/> Development<input type="checkbox"/> Oil and Gas Development<ul style="list-style-type: none"><input type="checkbox"/> Exploration<input type="checkbox"/> Onshore – seismic<input type="checkbox"/> Onshore – geotechnical<input type="checkbox"/> Onshore – development<input type="checkbox"/> Offshore – seismic<input type="checkbox"/> Offshore – geotechnical<input type="checkbox"/> Offshore – development<input type="checkbox"/> Industrial Development<ul style="list-style-type: none"><input type="checkbox"/> Processing<input type="checkbox"/> Manufacturing<input type="checkbox"/> Beneficiation<input type="checkbox"/> Land Use and Development<ul style="list-style-type: none"><input type="checkbox"/> Residential – subdivision<input type="checkbox"/> Residential – development<input type="checkbox"/> Commercial – subdivision<input type="checkbox"/> Commercial – development<input type="checkbox"/> Industrial – subdivision<input type="checkbox"/> Industrial – development<input type="checkbox"/> Agricultural – subdivision<input type="checkbox"/> Agricultural – development<input type="checkbox"/> Tourism<input checked="" type="checkbox"/> Linear Infrastructure<ul style="list-style-type: none"><input type="checkbox"/> Rail<input checked="" type="checkbox"/> Road<input type="checkbox"/> Power Transmission<input type="checkbox"/> Water Distribution<input type="checkbox"/> Gas Distribution<input type="checkbox"/> Pipelines<input type="checkbox"/> Water Resource Development<ul style="list-style-type: none"><input type="checkbox"/> Desalination<input type="checkbox"/> Surface or Groundwater<input type="checkbox"/> Drainage<input type="checkbox"/> Pipelines<input type="checkbox"/> Managed Aquifer Recharge<input type="checkbox"/> Marine Developments<ul style="list-style-type: none"><input type="checkbox"/> Port<input type="checkbox"/> Jetties<input type="checkbox"/> Marina<input type="checkbox"/> Canal<input type="checkbox"/> Aquaculture<input type="checkbox"/> Dredging
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Proponent and/or DMA to complete	
	<i>If other, please state below:</i> <input type="checkbox"/> Other _____
Proponent and/or DMA to complete	
Description of the proposal – describe the key characteristics of the proposal in accordance with EAG 1 .	Main Roads Wheatbelt Region is proposing to widen and upgrade Toodyay Road in the Shire of Toodyay, between SLK 12.71 and SLK 40.14. This project will involve: <ul style="list-style-type: none"> • Widening of the road between SLK 12.71 and SLK 40.14 • Bridge upgrades (upgrade or replacement subject to final design) • Three passing lanes <ul style="list-style-type: none"> ▪ west bound SLK 26.50 to SLK 24.70 ▪ east bound SLK 30.93 to SLK 33.01 ▪ west bound SLK 34.03 to 31.58. • Culvert extensions between SLK 12.71 and SLK 40.14 • Five intersection upgrades • Realignment from SLK 27 to SLK 29 to improve road geometry and safety.
Timeframe in which the proposal is to occur (including start and finish dates where applicable).	2017/2018
Details of any staging of the proposal.	The project may be staged, depending upon funding availability.
What is the current land use on the property, and the extent (area in hectares) of the property?	The project is located in Main Roads road reserve; land acquisition of nearby land will be required for passing lanes and the realignment. Surrounding land use is farmland. The project area is 120 ha in size, of which 58 ha is clearing of native vegetation.
Have pre-referral discussions taken place with the OEPA? If yes, please provide the case number. If a case number was not provided, please state the date of the meeting and names of attendees.	No.
DMA (Responsible Authority) to complete	
For a proposal under an assessed scheme (as defined in section 3 of the EP Act , applicable only to the proponent and DMA) provide details (in an attachment) as to whether: <ul style="list-style-type: none"> • <i>The environmental issues raised by the proposal were assessed in any assessment of the assessed scheme.</i> • <i>The proposal complies with the assessed scheme and any environmental conditions in the assessed scheme.</i> 	

1.3 Strategic / derived proposals

Complete this section if the proposal being referred is a strategic proposal or you are seeking the proposal to be declared a derived proposal. Note: Only a proponent may refer a strategic proposal and seek a proposal to be declared a derived proposal.

Proponent to complete	
Is this referred proposal a strategic proposal?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are you seeking that this proposal be declared a derived proposal?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If you are seeking that this proposal be declared a derived proposal, what is the Ministerial Statement number (MS #) of the associated strategic proposal?	MS #: _____

1.4 Location

Proponents and DMAs must provide spatial data. Please refer to [EAG 1](#) for more detail.

Proponent, DMA and Third Party to complete	
Name of the Local Government Authority in which the proposal is located.	Shire of Toodyay
Location: a) street address; lot number; suburb; and nearest road intersection; or b) if remote the nearest town; and distance and direction from that town to the proposal site.	The project area is located on Toodyay Road SLK 12.71 to SLK 40.14 in the Shire of Toodyay. MGA reference: 50 Start: 116.4761 -31.5564 decimal degrees End: 116.1185 -31.8233 decimal degrees
Have maps and figures been included with the referral (consistent with EAG 1 where appropriate)? <i>The types of maps and figures which need to be provided (depending on the nature of the proposal) include:</i> <ul style="list-style-type: none"> maps showing the regional location and context of the proposal; and figures illustrating the proposal elements. 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Proponent and DMA to complete	
Have electronic copies of spatial data been included with the referral? NB: <i>Electronic spatial (GIS or CAD) data, geo-referenced and conforming to the following parameters:</i> <ul style="list-style-type: none"> GIS: polygons representing all activities and named; CAD: simple closed polygons representing all activities and named; datum: GDA94; 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Proponent, DMA and Third Party to complete	
<ul style="list-style-type: none"> • <i>projection: Geographic (latitude/longitude) or Map Grid of Australia (MGA);</i> • <i>format: ESRI geodatabase or shapefile, MapInfo Interchange Format, Microstation or AutoCAD..</i> 	

1.5 Significance test and environmental factors

Proponent, DMA and Third Party to complete	
What are the likely significant environmental factors for this proposal?	<input type="checkbox"/> Benthic Communities and Habitat <input type="checkbox"/> Coastal Processes <input type="checkbox"/> Marine Environmental Quality <input type="checkbox"/> Marine Fauna <input checked="" type="checkbox"/> Flora and Vegetation <input type="checkbox"/> Landforms <input type="checkbox"/> Subterranean Fauna <input type="checkbox"/> Terrestrial Environmental Quality <input checked="" type="checkbox"/> Terrestrial Fauna <input type="checkbox"/> Hydrological Processes <input type="checkbox"/> Inland Waters Environmental Quality <input type="checkbox"/> Air Quality & Atmospheric Gases <input type="checkbox"/> Amenity <input type="checkbox"/> Heritage <input type="checkbox"/> Human Health <input type="checkbox"/> Offsets <input type="checkbox"/> Rehabilitation and Decommissioning
Having regard to the Significance Test (refer to Section 7 of the <i>EIA Administrative Procedures 2012</i>) in what ways do you consider the proposal may have a significant effect on the environment and warrant referral to the EPA?	Main Roads considers that this project can be assessed under Part V of the EP Act; however referral to the EPA is being undertaken as this project may be of significant public interest.

1.6 Confidential information

All information will be made publically available unless authorised for exemption under the EP Act or subject to the Freedom of Information Act 1992.

Proponent to complete	
Does the proponent request that the EPA treat any part of the referral information as confidential?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<i>Ensure all confidential information is provided in a separate attachment in hard copy.</i>	

2 REGULATORY CONSIDERATIONS

This section applies to the Local, State and Commonwealth regulatory considerations for the referred proposal.

2.1 Government approvals

2.1.1 State or Local Government approvals

DMA to complete	
What approval(s) is (are) required from you as a decision-making authority?	
Is rezoning of any land required before the proposal can be implemented? If yes, please provide details.	<input type="checkbox"/> Yes <input type="checkbox"/> No

2.1.2 Regulation of aspects of the proposal

Complete the following to the extent possible.

Proponent to complete	
Do you have legal access required for the implementation of all aspects of the proposal? <i>If yes, provide details of legal access authorisations / agreements / tenure.</i> <i>If no, what authorisations / agreements / tenure is required and from whom?</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Land acquisition is required and will be undertaken in the next 12 to 18 months in consultation with landowners.

Outline both the existing approvals and approvals that will be / are being sought as a part of this proposal.

Proponent to complete			
Aspects* of the proposal	Type of approval	Legislation regulating this activity	Which State agency /entity regulate this activity?
Clearing	Native Vegetation Clearing Permit	EP Act 1986 – Part V	DER
Surface water	Bed and Banks permit	Rights in Water and Irrigation Act 1914	DoW
Aboriginal Heritage	Application to disturb Aboriginal Heritage sites (s18 Notice) if sites are recorded.	Aboriginal Heritage Act 1972	DAA

2.1.3 Commonwealth Government *Environment Protection and Biodiversity Conservation Act 1999* approvals

Refer to the [assessment bilateral agreement](#) between the Commonwealth of Australia and the State of Western Australia for assistance on this section.

Proponent to complete	
1. Does the proposal involve an action that may be or is a controlled action under the <i>Environment Protection and Biodiversity Conservation Act 1999</i> (EPBC Act)?	X Yes <input type="checkbox"/> No <i>If no continue to Part A section 2.1.4.</i>
2. What is the status of the decision on whether or not the action is a controlled action?	<input type="checkbox"/> Proposal not yet referred X Proposal referred, awaiting decision <input type="checkbox"/> Assessed – controlled action <input type="checkbox"/> Assessed – not a controlled action
3. If the action has been referred, when was it referred and what is the reference number (Ref #)?	Date: 10/3/2016 Ref #: EPBC 2016/7665
4. If the action has been assessed, provide the decision in an attachment. Has an attachment been provided?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. Do you request this proposal to be assessed under the bilateral agreement?	X Yes <input type="checkbox"/> No

Complete the following to the extent possible for the Public Comment of EPBC Act referral documentation.

Proponent to complete	
6. Have you invited the public to comment on your referral documentation?	<input type="checkbox"/> Yes X No
7. How was the invitation published?	<input type="checkbox"/> newspaper <input type="checkbox"/> website
8. Did the invitation include all of the following?	
(a) brief description of the action	<input type="checkbox"/> Yes <input type="checkbox"/> No
(b) the name of the action	<input type="checkbox"/> Yes <input type="checkbox"/> No
(c) the name of the proponent	<input type="checkbox"/> Yes <input type="checkbox"/> No
(d) the location of the action	<input type="checkbox"/> Yes <input type="checkbox"/> No
(e) the matters of national environmental significance that will be or are likely to be significantly impacted	<input type="checkbox"/> Yes <input type="checkbox"/> No
(f) how the relevant documents may be obtained	<input type="checkbox"/> Yes <input type="checkbox"/> No
(g) the deadline for public comments	<input type="checkbox"/> Yes <input type="checkbox"/> No
(h) available for public comment for 14 calendar days	<input type="checkbox"/> Yes <input type="checkbox"/> No
(i) the likely impacts on matters of national environmental significance	<input type="checkbox"/> Yes <input type="checkbox"/> No

Proponent to complete	
(j) any feasible alternatives to the proposed action	<input type="checkbox"/> Yes <input type="checkbox"/> No
(k) possible mitigation measures	<input type="checkbox"/> Yes <input type="checkbox"/> No
9. Were any submissions received during the public comment period?	<input type="checkbox"/> Yes <input type="checkbox"/> No
10. Have public submissions been addressed? If yes provide attachment.	<input type="checkbox"/> Yes <input type="checkbox"/> No

2.1.4 Other Commonwealth Government Approvals

Proponent, DMA and Third Party to complete			
Is approval required from other Commonwealth Government/s for any part of the proposal?		Yes X No	
<i>If yes, please complete the table below.</i>			
Agency / Authority	Approval required	Application lodged?	Agency / Local Authority contact(s) for proposal
		<input type="checkbox"/> Yes <input type="checkbox"/> No	
		<input type="checkbox"/> Yes <input type="checkbox"/> No	

3. SUPPORTING INFORMATION

Please attach copies of any relevant information on the proposal, supporting evidence and / or existing environmental surveys, studies or monitoring information undertaken and list the documents below.

Proponent, DMA and Third Party to complete			
(1)	Toodyay Road Widening SLK 12.71 to SLK 40.14 Preliminary Environmental Impact Assessment	Main Roads WA	Environmental impact assessment of the project.
(2)	Biological Assessments Toodyay Road Widening Metro and Wheatbelt Regions Biological Surveys		Biological Assessment undertaken for the project by AECOM Pty Ltd in spring 2015. Toodyay Road is spread over two MRWA regions. The Biological Report includes both Metropolitan and Wheatbelt sections of the road. Only the Wheatbelt section is the subject of this referral.

PART B: ENVIRONMENTAL FACTORS

The purpose of Part B is to assist the EPA to determine the significance of the likely environmental impacts of the proposal in accordance with the EPA's *Environmental Assessment Guideline for Environmental factors and objectives* (EAG 8) and *Environmental Assessment Guideline for Application of a significant framework in the EIA process* (EAG 9). Referrers completing Part B should refer closely to EAG 8 and EAG 9.

The EPA has prepared [Referral of a Proposal under s38 of the EP Act EAG No.16 - Appendix A](#) (Appendix A) to assist in identifying factors and completing the below table. Further guidance can be found in the guidance and policy documents cited in Appendix A under each factor.

How to complete Part B

For each environmental factor, that is likely to be significantly impacted by the implementation of the proposal, make a copy of the table below and insert a summary of the relevant information relating to the proposal. The table can be broken down into more than one table per factor, if the need arises. For example the hydrological processes factor can be presented in two separate tables, one for surface water and one for groundwater, or similarly one for construction and one for operations.

For complex proposals a supplementary referral report can be provided in addition to the referral form. If this option is chosen the table must still be completed (summaries are acceptable) to assist the Office of the EPA with statistical reporting and filtering proposals for processing.

Proponents expecting an API level of assessment must provide information in accordance with the EPA's *Environmental Assessment Guideline for Preparation of an API-A environmental review document* (EAG 14).

Flora and Vegetation		
1	Factor, as defined in EAG 8	Flora and Vegetation
2	EPA Objective, as defined in EAG 8	To maintain representation, diversity, viability and ecological function at the species, population and community level.
3	Guidance - what established policies, guidelines, and standards apply to this factor in relation to the proposal?	<p>GS 51 – Terrestrial Flora and Vegetation Surveys for Environmental Impact Assessment in WA</p> <p>PS 2 – Environmental Protection of Native Vegetation in WA</p> <p>PS 3 – Terrestrial Biological Surveys as an Element of Biodiversity Protection</p>
4	<p>Consultation - outline the need for consultation and the outcomes of any consultation in relation to the potential environmental impacts, including:</p> <ul style="list-style-type: none"> • <i>anticipated level of public interest in the impact;</i> • <i>consultation with regulatory agencies; and</i> • <i>consultation with community.</i> 	<p>Consultation is ongoing for this project. Letters have been sent inviting comment on the Ten Clearing Principles for this project to:</p> <ul style="list-style-type: none"> • Shire of Toodyay • Conservation Commission of WA • Conservation Council of WA • Department of Water • Soil and Land Conservation Commission <p>Consultation with the local community and landowners is expected to be undertaken as the project progresses.</p>

Flora and Vegetation

5 Baseline information - describe the relevant characteristics of the receiving environment.

This may include: regional context; known environmental values, current quality, sensitivity to impact, and current level of cumulative impacts.

The project occurs across four pre-European vegetation communities, of which two are listed as having less than 30% remaining. Clearing in these communities is considered significant.

Vegetation Community	Description	IBRA Region % remaining	State % Remaining
1006 Jarrah Forest	Medium woodland; Jarrah, Wandoo & Powderbark.	48.57	48.57
3003 Jarrah Forrest	Medium forest; Jarrah & Marri on laterite with Wandoo in valleys, sandy swamps with teatree and Banksia.	58.95	58.95
4 Jarrah Forrest	Medium woodland; Marri & Wandoo.	28.05	27.88
352 Avon Wheatbelt	Medium woodland; York gum.	17.35	19.71

A total of 328 native vascular flora species were recorded within the biological survey area, representing 147 genera and 51 families. The most abundant families included Fabaceae (pea family) with 57 species, Proteaceae with 30 species and Myrtaceae with 28 species.

Seven State-listed Priority flora were identified in the biological study area, of which two were recorded within the project area, *Grevillea candolleana* (Priority 2) and *Hibbertia montana* (Priority 4). These species were identified at the Herbarium after samples were taken in the field and population counts were not taken at the time of the survey. AECOM Pty Ltd is currently assessing the extent and number of individual plants in each population.

The project design currently impacts on Morangup Nature Reserve, a Class A reserve and Environmentally Sensitive Area. Currently up to 1 ha of the reserve will need to be acquired for

Flora and Vegetation		
		the road works, which will require an act of Parliament and can take up to 2 years for land acquisition.
6	Impact assessment - describe the potential impact/s that may occur to the environmental factor as a result of implementing the proposal.	<p>Approximately 50% of the project is in Vegetation Associations 4 and 352.</p> <p>Population counts for the Priority species are currently being undertaken by AECOM. The impact assessment undertaken under the Bilateral Agreement will include the exact number of <i>Grevillea candolleana</i> and <i>Hibbertia montana</i> that are proposed to be disturbed by the project.</p> <p>The project design is being amended to reduce or entirely eliminate direct impacts to the Morangup reserve.</p>
7	<p>Mitigation measures - what measures are proposed to mitigate the potential environmental impacts? The following should be addressed:</p> <ul style="list-style-type: none"> • <i>Avoidance - avoiding the adverse environmental impact altogether;</i> • <i>Minimisation - limiting the degree or magnitude of the adverse impact;</i> • <i>Rehabilitate – restoring the maximum environmental value that is reasonably practicable; and</i> • <i>Offsets – actions that provide environmental benefits to counterbalance significant residual environmental impacts or risks of a project or activity.</i> 	<p>The project design has been modified to avoid impacts to significant flora and vegetation. Clearing has been limited as far as practicable.</p> <p>An offset proposal will be developed for the project, and is likely to include a contribution to the Offset Fund for the acquisition of conservation land by the Department of Parks and Wildlife. Land acquisition is required as part of the works and revegetation of adjacent farmland that will be acquired but not directly impacted by the road is being considered as part of this offset.</p>

Flora and Vegetation		
8	<p>Residual impacts – review the residual impacts against the EPA objectives.</p> <p><i>It is understood that the extent of any significant residual impacts may be hard to quantify at the referral stage. Referrers are asked to provide, as far as practicable, a discussion on the likely residual impacts and form a conclusion on whether the EPA’s objective for this factor would be met if residual impacts remain. This will require:</i></p> <ul style="list-style-type: none"> • <i>quantifying the predicted impacts (extent, duration, etc.) acknowledging any uncertainty in predictions;</i> • <i>putting the impacts into a regional or local context, incorporating knowable cumulative impacts; and</i> • <i>comparison against any established environmental policies, guidelines, and standards.</i> 	<p>Residual impacts are expected to remain as a result of the clearing of native vegetation in an extensively cleared landscape. It is proposed that the project will be assessed under the Bilateral Agreement and a suitable offset provided.</p>
9	<p>EPA’s Objective – from your perspective and based on your review, which option applies to the proposal in relation to this factor? Refer to EAG 9</p>	<p><input checked="" type="checkbox"/> <i>meets the EPA’s objective</i></p> <p><input type="checkbox"/> <i>may meet the EPA’s objective</i></p> <p><input type="checkbox"/> <i>is unlikely to meet the EPA’s objective</i></p>
10	<p>Describe any assumptions critical to your conclusion (in Question 9). e.g. <i>particular mitigation measures or regulatory conditions.</i></p>	<p>Priority flora identified in the project area during the spring biological assessment were identified subsequently at the WA Herbarium. Population counts were not taken during the spring survey. AECOM is currently returning to the locations of these Priority flora to determine the exact numbers at each location. It is assumed that AECOM will not find additional populations of the Priority flora, only determine the numbers of flora at each previously identified location.</p>

Terrestrial Fauna		
1	<p>Factor, as defined in EAG 8</p>	<p>Terrestrial Fauna</p>
2	<p>EPA Objective, as defined in EAG 8</p>	<p>To maintain representation, diversity, viability and ecological function at the species, population and assemblage level.</p>
3	<p>Guidance - what established policies, guidelines, and standards apply to this factor in relation to the proposal?</p>	<p>GS 56 – Terrestrial Fauna Surveys for Environmental Impact Assessment in WA</p> <p>PS 3 – Terrestrial Biological Surveys as an Element of Biodiversity Protection</p> <p>Technical Guide on Terrestrial Vertebrate Fauna</p>

Terrestrial Fauna		
		Surveys for Environmental Impact Assessment
4	<p>Consultation - outline the need for consultation and the outcomes of any consultation in relation to the potential environmental impacts, including:</p> <ul style="list-style-type: none"> • <i>anticipated level of public interest in the impact;</i> • <i>consultation with regulatory agencies; and</i> • <i>consultation with community.</i> 	<p>Consultation is ongoing for this project. Letters have been sent inviting comment on the Ten Clearing Principles for this project to:</p> <ul style="list-style-type: none"> • Shire of Toodyay • Conservation Commission of WA • Conservation Council of WA • Department of Water • Soil and Land Conservation Commission <p>Consultation with the local community and landowners is expected to be undertaken as the project progresses.</p>
5	<p>Baseline information - describe the relevant characteristics of the receiving environment.</p> <p><i>This may include: regional context; known environmental values, current quality, sensitivity to impact, and current level of cumulative impacts.</i></p>	<p>The project is located within the known breeding range of Carnaby's Black Cockatoo (<i>Calyptorhynchus latirostris</i>) (Endangered), and one breeding Carnaby's Black Cockatoo pair was observed in a hollow within the biological survey area. The project has been re-designed to avoid this hollow.</p> <p>Forest Red-tailed Black Cockatoos (<i>Calyptorhynchus banksii</i> subsp. <i>naso</i>) (Vulnerable) were also recorded in the project area, and Baudins Black Cockatoo is also expected to occur.</p> <p>A total of 7,265 potential breeding habitat trees were recorded during the field assessment in the survey area, and 440 trees with hollows.</p> <p>There is potential for the project to impact five species that were not recorded during the survey (AECOM 2016) based on preferred habitat and historic records in the region:</p> <ul style="list-style-type: none"> • Chuditch (<i>Dasyurus geoffroii</i>) – Vulnerable under both EPBC Act and WC Act • Western Brush Wallaby (<i>Macropus irma</i>) - Priority 4 • Western Carpet Python (<i>Morelia spilota imbricata</i>) – Schedule • Blue-billed Duck (<i>Oxyura australis</i>) - Priority 4 • Peregrine Falcon (<i>Falco peregrinus</i>) - Schedule.
6	<p>Impact assessment - describe the potential impact/s that may occur to the environmental factor as a result of implementing the proposal.</p>	<p>There are an estimated 15 ha of good or better quality Black Cockatoo foraging habitat within the project area. 1330 Black Cockatoo potential breeding habitat trees are within the proposed project clearing area, as well as 100 trees with hollows.</p> <p>Up to 30 ha of native vegetation suitable for Chuditch and Western Brush Wallaby is expected to be cleared by the project.</p>

Terrestrial Fauna		
7	<p>Mitigation measures - what measures are proposed to mitigate the potential environmental impacts? The following should be addressed:</p> <ul style="list-style-type: none"> • <i>Avoidance - avoiding the adverse environmental impact altogether;</i> • <i>Minimisation - limiting the degree or magnitude of the adverse impact;</i> • <i>Rehabilitate – restoring the maximum environmental value that is reasonably practicable; and</i> • <i>Offsets – actions that provide environmental benefits to counterbalance significant residual environmental impacts or risks of a project or activity.</i> 	<p>The project design has been modified to avoid impacts to significant fauna, particularly breeding trees. Clearing has been limited as far as practicable.</p> <p>An offset proposal will be developed for the project, and is likely to include a contribution to the Offset Fund for the acquisition of conservation land by the Department of Parks and Wildlife. Land acquisition is required as part of the works and revegetation of adjacent farmland that will be acquired but not directly impacted by the road is being considered as part of this offset.</p>
8	<p>Residual impacts – review the residual impacts against the EPA objectives.</p> <p><i>It is understood that the extent of any significant residual impacts may be hard to quantify at the referral stage. Referrers are asked to provide, as far as practicable, a discussion on the likely residual impacts and form a conclusion on whether the EPA’s objective for this factor would be met if residual impacts remain. This will require:</i></p> <ul style="list-style-type: none"> • <i>quantifying the predicted impacts (extent, duration, etc.) acknowledging any uncertainty in predictions;</i> • <i>putting the impacts into a regional or local context, incorporating knowable cumulative impacts; and</i> • <i>comparison against any established environmental policies, guidelines, and standards.</i> 	<p>Residual impacts are expected to remain as a result of the clearing of native vegetation that is suitable for Threatened and Priority fauna. It is proposed that the project will be assessed under the Bilateral Agreement and a suitable offset provided.</p>
9	<p>EPA’s Objective – from your perspective and based on your review, which option applies to the proposal in relation to this factor? Refer to EAG 9</p>	<p><input checked="" type="checkbox"/> <i>meets the EPA’s objective</i></p> <p><input type="checkbox"/> <i>may meet the EPA’s objective</i></p> <p><input type="checkbox"/> <i>is unlikely to meet the EPA’s objective</i></p>
10	<p>Describe any assumptions critical to your conclusion (in Question 9). e.g. <i>particular mitigation measures or regulatory conditions.</i></p>	