

Template

Proposal Content Document

Table 1: General proposal content description

Proposal title	Anketell Road Upgrade (Leath Road to Kwinana Freeway)
Proponent name	Main Roads Western Australia
Short description	Main Roads is proposing to upgrade and widen Anketell Road to an Expressway Standard for approximately 7.5 km between Leath Road and Kwinana Freeway in the City of Kwinana, WA. The Proposal will include grade separated interchanges at six locations, grade separation of road over rail at two locations and other supporting road infrastructure.

Table 2: Proposal content elements

Proposal element	Location / description	Maximum extent, capacity or range
Physical elements		
<p>The proposal includes the following physical elements:</p> <ul style="list-style-type: none">– Approximately 7.5 km of new urban expressway standard, dual carriageway.– Grade separated interchanges at Treeby Road, Kwinana Freeway, Mandogalup Road, Abercrombie Road, Armstrong Road and Rockingham Road.– Grade separations of Rockingham Road and Anketell Road over rail.– New local roads and existing road modifications, including upgrades at Rockingham Road.– Drainage basins, drains and other associated infrastructure.– Principle Shared Path (PSP) for the full length of the Proposal.– Other road infrastructure and furniture, including but not limited to culverts, lighting, fencing, landscaping, road safety barriers and signs. <p>Utility relocations and works to maintain access to properties.</p>	Figure 1-1 of Supporting Document	The Proposal comprises a total area of 221.09 ha, including clearing or disturbance of up to 96.20 ha native vegetation and 47.98 ha non-native vegetation.
Construction elements		

Construction activities associated with the physical elements are likely to include: <ul style="list-style-type: none">– earthworks– laydown– piling– excavation– water abstraction– dewatering– drainage improvements, and– landscaping.	Proposal DE in Error! Reference source not found. of Supporting Document	Construction will occur within the 221.09 ha DE.
Operational elements		
Main Roads will operate the Proposal using standard management and maintenance practices.	Proposal DE in Error! Reference source not found. of Supporting Document.	Operation will occur within the 221.09 ha DE.
Proposal elements with greenhouse gas emissions		
Construction elements:		
Scope 1	Land use change – vegetation clearing: 25,364 tCO2-e over 36 months Plant and equipment: 15,783 tCO2-e over 36 months	
Scope 2	None	
Scope 3	All indirect emissions (other than energy/electricity used) that occur in the value chain including both upstream and downstream emissions. This includes embedded energy within construction materials, construction fuel, haulage – 57,911tCO2-e over 36 months	
Operation elements:		
Scope 1	Maintenance over road life – 5,235 tCO2-e	
Scope 2	Electricity use over road life - 3,192 tCO2-e	
Scope 3	All indirect emissions (other than energy/electricity used) that occur in the value chain including both upstream and downstream emissions. This includes emissions associated with the supply of maintenance materials –	

	10,337 tCO2-e and vehicle user emissions – 2,108,475 tCO2-e over 50 years.	
Other elements which affect extent of effects on the environment		
Proposal time*	Maximum project life	Expected - More than 50 years
	Construction phase	Expected - Less than five years
	Operations phase	Expected - More than 50 years
	Decommissioning phase	Not known

** Proponents should only provide realistic timeframes to avoid unnecessary change to proposal applications at referral (section 38C), assessment (section 43A) or post assessment (section 45C).*