

# Tonkin Highway Extension

## Proposal Content Document

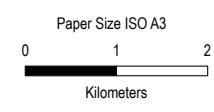
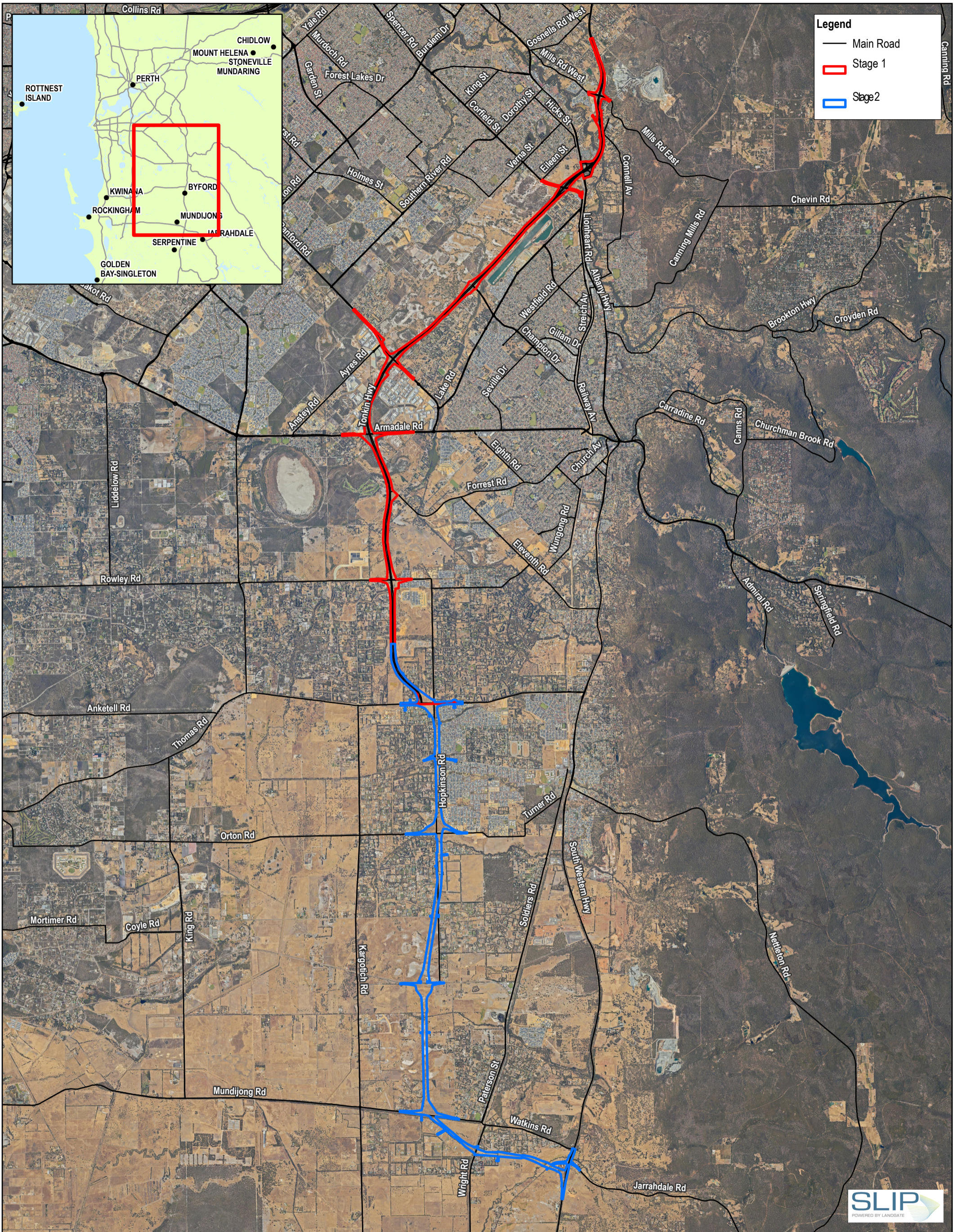
**Table 1:** General proposal content description

<b>Proposal title</b>	Construction and use of the Tonkin Highway Extension from Mills Road West, Gosnells to South Western Highway, Mundijong
<b>Proponent name</b>	Main Roads Western Australia
<b>Short description</b>	<p>The Proposal involves design, construction and use of 33 kilometres (km) of highway from Mills Road West in Gosnells to South Western Highway in Mundijong, Western Australian (WA). The proposal includes:</p> <ul style="list-style-type: none"><li>• Construction of multiple-lane dual carriageway.</li><li>• Upgrade/construction of intersections/interchanges to connect adjoining roads and grade separation with rail infrastructure.</li><li>• Construction of road, pedestrian, cyclist and equine underpasses.</li><li>• Principal Shared Paths with connections to local path networks, modification of various local roads. Noise walls, lighting, drainage and associated road furniture.</li></ul>

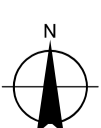
**Table 2:** Proposal content elements

<b>Proposal element</b>	<b>Location / description</b>	<b>Maximum extent, capacity or range</b>
<b>Physical elements</b>		
Clearing and disturbance for road construction and associated infrastructure	Proposal Development Envelope (DE) in Figure 1	The Proposal comprises a total area of 480.6 ha, including clearing or disturbance of up to 65.2 ha of native vegetation of which 32.6ha is within Stage 2.
<b>Construction elements</b>		
Construction of the road and associated infrastructure	Development Envelope (DE) in Figure 1	<p>The Proposal includes the construction of 33 km of road and associated infrastructure, extending Tonkin Highway from Mills Road West to South Western Highway.</p> <p>Stage 1 – Tonkin Highway Extension from Mills Road to Thomas Road</p> <p>Stage 2 – Tonkin Highway Extension from Thomas Road to South Western Highway.</p>

<b>Operational elements</b>		
Operation and maintenance of the road and associated infrastructure	Proposal Development Envelope (DE) in Figure 1	Routine maintenance of the road including weed control and trimming of vegetation, infrastructure and corridor maintenance and repair.
<b>Proposal elements with greenhouse gas emissions</b>		
Construction elements:		
211,322 tCO <sub>2</sub> e	Scope 1 Site offices, clearing, demolition and earthworks, construction of pavements, structures, drainage and road furniture.	
Nil	Scope 2	
127,898 tCO <sub>2</sub> e	Scope 3 Site offices, clearing, demolition and earthworks, construction of pavements, structures, drainage and road furniture.	
Operation elements:		
880 tCO <sub>2</sub> e (annually) 255,328 tCO <sub>2</sub> e (50 years)	Scope 1 Maintenance	
1,278 tCO <sub>2</sub> e (annually) 63,928 tCO <sub>2</sub> e (50 years)	Scope 2 Lighting and traffic signals during operation	
125,188 tCO <sub>2</sub> e (annually) 6,387,288 tCO <sub>2</sub> e (50 years)	Scope 3 Vehicles and maintenance.	
<b>Rehabilitation</b>		
Areas of the road reserve which are cleared for construction purposes and are not required to remain cleared for the operation or maintenance of the road or associated infrastructure will be landscaped with vegetation.		
<b>Other elements which affect extent of effects on the environment</b>		
Proposal time	Maximum project life	70 years
	Construction phase	2001-2030
	Operations phase	50 years



Map Projection: Transverse Mercator  
 Horizontal Datum: GDA2020  
 Grid: GDA2020 MGA Zone 50



Main Roads Western Australia  
 Tonkin Highway Extension

Proposal Development Envelope

Project No. 12616477  
 Revision No. 1  
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FIGURE 1