

Perth-Darwin National Highway (Swan Valley Section)

Proposal Content Document

Table 1: General proposal content description

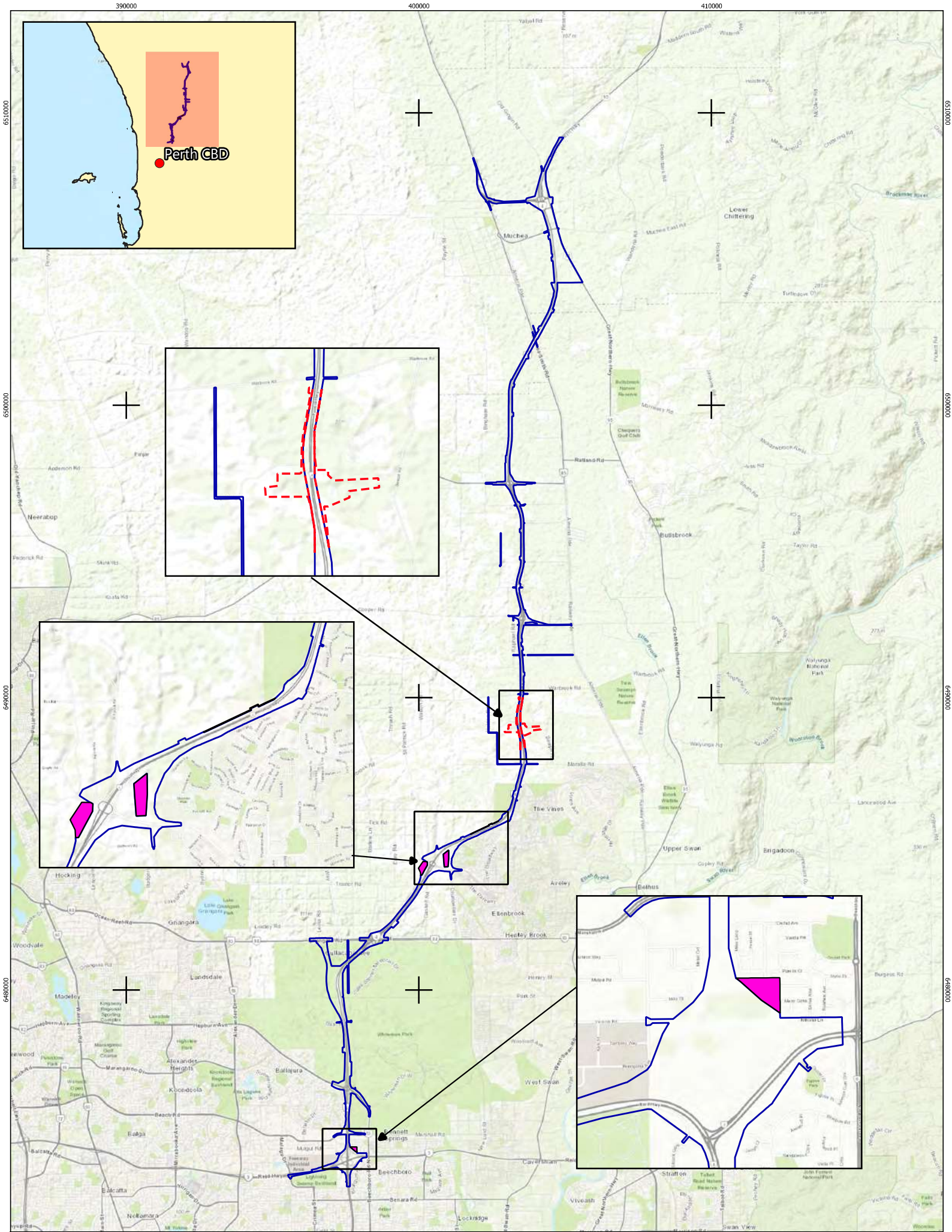
Proposal title	Perth-Darwin National Highway (Swan Valley Section)
Proponent name	Main Roads Western Australia
Short description	The proposal is to construct and operate a new 38 km long section of the Perth-Darwin National Highway between Malaga and Muchea, Western Australia. The proposal would consist of a dual carriageway highway and would connect the intersection of Tonkin Highway and Reid Highway in Malaga with the Great Northern Highway and Brand Highway in Muchea.

Table 2: Proposal content elements

Proposal element	Location / description	Existing Proposal Extent	Proposed s45C Amendment	Combined extent, capacity or range
Physical elements				
Clearing and disturbance for road corridor, drainage structures including infiltration and bioretention basins and swales, laydowns, bridges and culverts, fauna fencing, fauna underpasses, noise walls, road train assembly area and principal shared path.	Figure 1	Clearing and disturbance of no more than 206 ha of native vegetation within a 1,004.07 ha development envelope.	Overall increase in development envelope by 8.74 ha: 27.24 ha added to development envelope from proposed amendment 18.50 ha removed from development envelope	Clearing and disturbance of no more than 206 ha of native vegetation within a 1,012.81 ha development envelope.
Proposal elements with greenhouse gas emissions				
Construction elements:				
Existing	Proposed increase	Combined		
432,693 tCO ₂ -e	8,457 tCO ₂ -e	441,150 tCO ₂ -e	Scope 1 including site offices, clearing, demolition, earthworks, construction of pavements, structures, drainage and road furniture	
0	0	0	Scope 2	

Not assessed	315 tCO ₂ -e	-	Scope 3 – not assessed for original proposal
Operation elements (100 years):			
Existing	Proposed increase	Combined	
71,174 tCO ₂ -e	109 tCO ₂ -e	71,283 tCO ₂ -e	Scope 1 Maintenance
147,972 tCO ₂ -e	1,215 tCO ₂ -e	149,187 tCO ₂ -e	Scope 2 Lighting and traffic signals during operation
Not assessed	11,946 tCO ₂ -e	-	Scope 3 Vehicles and maintenance (not assessed for original proposal)

** 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).*



01234 km

Legend

Development Envelope

Areas To Be Removed from DE

Area to be added to DE

Figure 1 - Perth-Darwin National Highway development envelope (amendments)