

## Project Sustainability Targets

Sustainability Targets have been adapted for Project delivery, from those defined by MRWA during the Planning phase. The Sustainability Targets have been aligned with the Project's current material topics, as defined from the Project's Materiality Workshop hosted on the 18<sup>th</sup> of February 2021. Nine material topics were identified including Legacy, Green Infrastructure, Heritage, Stakeholder, Environment, Ecology, Resource, Energy, and Water. These material topics are relevant to the multiple focus areas as listed in the table below. Each focus area has been aligned with the relevant UN Sustainable Development Goals to show the contribution this project will have on forwarding Australia's commitment to these global sustainability goals. These targets will subsequently be made public and will be reported against annually within existing public forums where they are available to the Project. These targets have been subsequently reviewed and updated to include external feedback, including from the City of Albany in November 2021. Following on from this consultation, the targets were reviewed and amended in July 2022 prior to the end of Design and start of As Built. This was to ensure that all responsible personnel were aware of the commitments as a result of staff turnover and to incorporate all of the targets detailed in the Resource Efficiency Action Plan.

Focus Areas	Sustainable Development Goals (SDGs)	Targets			Monitoring	Reporting framework	Responsibilities		SWTC Y/N?	IS related credit
		Detailed Design	Construction	Operation			D&C	Operation		
Sustainable Connected Communities Legacy Heritage Environment		Investigate environmentally friendly dust suppressants above standard practice water carts	Apply <b>selected suppressant(s)</b> to exposed surfaces as required to prevent dust leaving the project boundaries.	N/A	Design & Construct: Construction monitoring records, SWTC compliance, project audits (e.g. sustainability audits)	Design & Construct: project audit reporting	Project Environment Manager / Sustainability Manager	N/A	N	Pla-2 Env-4
		Engage with key stakeholders and community via workshops or meetings to seek input on landscaping and urban design concepts to promote heritage.	Implement selected heritage landscaping/ urban design concepts	Maintain urban design features and soft landscaping	Design & Construct: SWTC compliance, design drawings, project audits (e.g. sustainability management plan audits) ISCA verification of Con-2, Level 1 Maintenance: inspection of constructed urban design features and landscaped areas in accordance with regional maintenance schedule	Design & Construct: design reports, landscaping and urban design management plan, project audit reporting Maintenance: inspection and maintenance records	Community Stakeholder Manager/ Environment Manager/ Sustainability Manager	Main Roads	10.5(d)	
		Maximise opportunities to reuse rocks/timber from the project site within and outside the project area	Implement at least one (1) opportunity to reuse rocks/timber inside the project area and one (1) outside the project area	Maintenance of the asset, including the area within the project area containing the material reuse. N/A for outside uses	Design & Construct: SWTC compliance, design drawings, monthly sustainability reviews, project audits Maintenance: Undertaken by asset owner	Design & Construct: design reports, monthly sustainability reporting, project audit reporting Maintenance: inspection and maintenance reporting for MRWA asset only	Construction Manager	Main Roads	4.12(f) iv E 9.4(r) ULDF 3.8	
		Climate change No residual high, very high, or extreme natural hazard and climate change risks to the operation of the highway are incorporated within the design.	Design is implemented without any variations which see a natural hazard and climate change residual risk become high, very high or extreme	Monitor and maintain the integrity of the highway, particularly after significant weather events.	Revised climate change risk assessment and adaptation report. Design reports. As Constructed Drawings. ISCA verification of Res-2, Level 2	Design & Construct: design reports. Climate change risk assessment and adaptation report.	Design Manager	MRWA	SWTC	Res-2
Stakeholder involvement Stakeholder		Conduct meeting/workshop with local community groups to establish volunteer interest for plant relocation	Local community groups to participate in relocation of plants (pre-construction) if they wish/have the capacity to be involved	Maintain revegetation sites	Design & Construct: SWTC compliance, design drawings, project audits Maintenance: inspection in accordance with regional maintenance schedule	Design & Construct: design reports, landscaping and urban design management plan, project audit reporting Maintenance: inspection and maintenance records	Environment Manager/ Community Stakeholder Manager	Main Roads	N	Sta- 1 Sta -2 Ecn-5
		Partnership with local schools / TAFE / university to organise youth employment opportunity/traineeship. Identify skills available in the region and number of persons.	Provide youth employment opportunities/traineeships from the Albany Region specifically	N/A	Design and Construct: Reporting on skills available, reporting on youth employment numbers	Design & Construct: monthly sustainability reporting	Community Stakeholder manager/ Project Director	Main Roads	N	
		Identify resources/tools for measuring economic spend (during construction) and the net positive economic impact from implementation of the project	Measure and report to Main Roads economic spend within the local area. Communicate economic spend to community	N/A	Design & Construct: SWTC compliance, monthly sustainability reviews, project audits	Design & Construct: project audit reporting Operation: economic analysis reporting	Commercial manager	Main Roads	N	
		Investigate opportunities beyond standard to communicate regular project updates to the community, incl cameras/webcams at interchanges during construction	Install cameras/webcams at interchanges. Provide information from cameras/other initiatives for website updates	N/A	Design & Construct: SWTC compliance, project audits, webcam feed to Main Roads, website content	Design & Construct: project audit reporting	Community stakeholder manager	N/A	10.7b	

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		Detailed Design	Construction	Operation			D&C	Operation			
Ecology and environment  Environment  Ecology	  	Investigate opportunities to enhance the ecology of the area (e.g. noise berm instead of wall)	Undertake revegetation in accordance with the project landscaping and urban design management plan and any suitable initiatives identified in detailed design stage.	Maintain revegetation sites	Design & Construct: SWTC compliance, project audits, revegetation sites inspected and approved at completion Operation: revegetation sites maintained in accordance with UDLP. Revegetation sites surveyed at post revegetation ion accordance with defects period.	Design & Construct: design reports, landscaping and urban design management plan, project audit reporting Maintenance: rehabilitation survey reporting,	Environment Manager  Sustainability Manager	Main Roads	4.15(f)	Eco-1	
		Landscape design to feature local provenance species representing the local landscape character based on the remnant vegetation communities of Albany, habitat and foraging potential, existing geological compositions, hydrological features, and climatic conditions.	Implement landscaping and urban design plan Clearing of native vegetation to be minimised, where possible Cleared vegetation to be disposed of appropriately, with weeds to be transported in a way to reduce their spread	Maintain revegetation sites Consideration of potential littering issue	Design & Construct: SWTC compliance, design drawings, project audits Maintenance: inspection in accordance with regional maintenance schedule	Design & Construct: design reports, landscaping and urban design management plan, project audit reporting Maintenance: inspection and maintenance records	Environment Manager  Sustainability Manager	Main Roads	ULDF	Pla-2	
		Design of noise walls and treatments as detailed in the SWTC to achieve noise attenuation for affected properties	Noise limits to comply with the requirements of WAPC State Planning Policy 5.4.	Maintain asset	SWTC compliance, project audits,	Design & Construct: Monthly sustainability report, yearly sustainability report, sustainability achievement report	D&C Interface Manager	Main Roads	4.15(a) 4.15(b)	Env -2	
Resources and Waste  Resource  Energy  Water	   	Investigate a 5% reduction in water and material use over the lifetime of the project in comparison to the Base Case.	- Implement the reduction actions identified during detailed design	Maintain asset	SWTC compliance, project audits ISCA verification results for Wat-1 and Rso-6. Investigation may be monitored using ISCA verification of Rso-1.	Design & Construct: Monthly sustainability report, yearly sustainability achievement report	Environment Manager  Sustainability Manager	Main Roads	14.3(b)	Rso-1 Rso-6 Wat-1 Ene-1	
		Incorporate the inclusion of LEDs for streetlights.									
		Targets for resource recovery set for the project as per REAP, including:	Actions as identified for resource recovery to meet targets specified in detailed design	Maintain asset	SWTC compliance, project audits ISCA verification results for Rso-4	Design & Construct: Monthly sustainability report, yearly sustainability achievement report	Environment Manager  Sustainability Manager	Main Roads	14 (pg 205)	Rso-4	
		<ul style="list-style-type: none"> <li>- No excess cut or fill on project.</li> <li>- &gt;60% diversion of office wastes excluding FOGO</li> <li>- &gt;70% diversion of other inert general construction waste</li> <li>- &gt;85% ASS diversion (50% onsite retention)</li> <li>- &gt;75% onsite retention/re-use of contaminated materials (&lt;10% landfill)</li> <li>- &gt;25% beneficial re-use of resource outputs by nearby projects (within 100km of Project)</li> <li>- &gt;80% materials sourced within 100km of project (local businesses/projects/assets)</li> <li>- &gt;10% recycled materials onsite</li> </ul>									
		Investigate the implementation of;	Implement vehicle and plant and equipment initiatives.	N/A	SWTC compliance. Project audits (e.g. sustainability audits)	Design & Construct: Monthly sustainability report, yearly sustainability achievement report	Construction Manager	N/A	Appendix 43	Ene-1	
		<ul style="list-style-type: none"> <li>- &gt;90% light vehicles will meet emissions Standard Euro 5</li> <li>- 100% plant and equipment suppliers will be required to report emission standards during procurement process</li> </ul>									
<ul style="list-style-type: none"> <li>- Investigate a 5% reduction in energy use over the lifetime of the project in comparison to the Base Case</li> </ul>	Implement the reduction actions identified during detailed design	Maintain asset	SWTC compliance, project audits ISCA verification results for Ene-1.	Design & Construct: Monthly sustainability report, yearly sustainability achievement report	Project Environment Manager / Sustainability manager	Main Roads	14.3(b)iv	Ene-1			
<ul style="list-style-type: none"> <li>- &gt;12% carbon reduction modelling compared to base case</li> </ul>	Implement carbon reduction initiatives	N/A	SWTC compliance. Project audits (e.g. sustainability audits)	Design & Construct: Monthly sustainability report, yearly sustainability achievement report	Construction Manager	N/A	Appendix 43	Ene-1			

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		Detailed Design	Construction	Operation			D&C	Operation		
Other  Legacy  Heritage	  	Sponsor a 12-month project which will look into local Menang Noongar knowledge of Place.	Provide the financial means, access to resources, and industry support to the successful student.	N/A	Design & Construct: SWTC compliance, project audits ISCA verification of Lea-2	Design & Construct: design reports, project audit reporting, monthly sustainability reporting	Project Director	Main Roads	Appendix 43	Lea-2 Leg-1
		Sponsor a 12-month project which will compare the effectiveness of underpasses versus bridge crossing for Western Ringtail Possums	Provide the financial means, access to resources, and industry support to the successful student.	N/A	Design & Construct: SWTC compliance, project audits ISCA verification of Lea-2	Design & Construct: design reports, project audit reporting, monthly sustainability reporting	Project Director	Main Roads	Appendix 43	

