
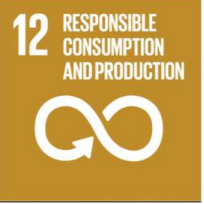











Delivering the Bunbury Outer Ring Road
in partnership with Main Roads

South West Gateway Alliance Sustainability Targets – December 2021 Status

Focus Area	Sustainable Development Goals (SDG)	Objective	Targets			Monitoring Method – Design & Construction	Reporting Period	2021 Calendar Year Update	Infrastructure Sustainability Credit
			Detailed Design and Construction	Construction	Operation				
Public support, inclusion and involvement, building capacity		Consideration of local business	- \$300 million of total contract value to be spent on local business in the Southwest region (cumulative through Design and Construction) - Minimum \$20 million spend on Aboriginal businesses (cumulative through Design and Construction).		- Apply the "Western Australian Buy Local Policy 2020" during procurement for maintenance services and materials.	Monthly board report.	Monthly	On track. Local businesses consulted through BORR Bunbury Hub, BORR jobs website (https://www.borrjobs.com.au/), procurement meetings, establishment of a Local Content Officer and an Aboriginal Participation Manager.	Wfs-1 Wfs-2 Ecn-5
		Community and Stakeholder trust and support	- Identify and consult on at least 5 priority and/or negotiable issues for which the local community/ stakeholders can provide input through active consultation during detailed design and construction.	- A monitoring program is implemented to measure the success of initiatives implemented to solve priority issues	- Feedback on maintenance issues is actioned promptly in accordance with MRWA 'Feedback and Complain Handling Policy'.	Monthly Board Report Consultation summary notes Outcomes within design reports and/or construction plans. Communications relating to stakeholder input in design.	Monthly Annually	Issues identified include improved industry sustainability and industry development, agricultural fence design, commissioned art opportunities on the project and cultural legacy opportunities	Sta-1 Sta-2 Leg-1
		Enhance heritage values (Aboriginal and European)	- Consult with Indigenous Community to identify opportunities for heritage interpretation features within the urban and landscape design.	- Follow up consultation to ensure cultural values have been respectfully captured.	- Maintain road infrastructure within the approved project footprint to avoid impacts to heritage values.	Monthly Board Report Design reports As built drawings Meeting minutes from: - Consultation with Traditional Owners - Consultation with local governments and Community Reference Groups	Monthly Annually	Ongoing consultation through the Aboriginal Heritage Advisory Group. Ongoing heritage monitoring program. Integration of cultural storytelling opportunities into commissioned artwork strategy. Enhancement opportunities on pre-cast elements.	Her-1 Con-2 Leg-1
Ecology - approvals and enhancements		Compliance with environmental approvals	- Integrate environmental approval conditions into design documentation and management plans	- No recurring non-compliances with environmental approval conditions during construction.	- No recurring non-compliances with environmental approval conditions during operation (if any).	Monthly board report. Compliance reports	Monthly Annually	Ongoing throughout design. Designs still progressing. Inclusion of relevant fauna fencing, rope bridges and culverts.	Eco-1 Rso-2 Rso-3 Env-1
		Minimise clearing of native vegetation, with particular focus on high value areas, and enhance ecological values	- Project footprint minimises clearing of native vegetation, focussing on that which is of 'Good' quality or higher, and/or is habitat for a threatened species.	- Upfront construction planning to minimise clearing, particularly in high value areas for clearing adjacent to the final design footprint.	- Minimise clearing during operation. Prune in preference of clearing.	Monthly board reports. Contractor monthly reporting forms.	Monthly	Ongoing throughout design. Designs still progressing.	Eco-1 Eco-2
		Minimise changes in flooding whilst improving local water quality	- Drainage design does not increase peak stormwater flows for rainfall events of up to a 1.5 year Average Recurrence Interval (ARI) event	- Unless stipulated otherwise by the regulator, water discharge and receiving water quality parameters are to be maintained within 10% of the background average, with no consistent exceedances as a result of project construction activities.	- Maintain the drainage system to function as designed.	Design reports. As Constructed Drawings.	Annually	Ongoing throughout design. Designs still progressing.	Env-1

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Material sourcing and efficiencies		Appropriate water sourcing and reduction	- Final design demonstrates at least 5% reduction in water use based on water use modelling for the final design in reference to a Base Case.	- At least 5% reduction in water use based on logged water consumption during construction, in comparison to a Base Case.	- Where feasible, utilise non-potable water for irrigation and other maintenance purposes.	Monthly Board reporting Monthly Sustainability Reporting (Main Roads) Contractor monthly reporting forms.	Monthly	Ongoing throughout design. Designs still progressing. The project has scheduled the progressive opening of clearing areas to minimise dust control requirements. Drought resistant vegetation (endemic species) considered in the revegetation and landscape design.	Wat-1 Wat-2
		Appropriate material sourcing and reduction	- Final design demonstrates at least 5% reduction in environmental impacts from material use across the lifetime of the project compared with a Base Case.	- Final as built data demonstrates at least a 5% reduction in environmental impacts as a result of material use across the lifetime of the project in comparison to a Base Case.	- Monitor and maintain the integrity of the highway to ensure service life is maximised.	Monthly Board reporting Monthly Sustainability Reporting (Main Roads) Contractor monthly reporting Infrastructure Sustainability Materials Calculator.	Monthly	Ongoing throughout design. Designs still progressing.	Rso-1 Rso-5
		Reduce energy and emissions	- Final design demonstrates at least 5% reduction in Scope 1 and 2 emissions from energy consumption compared with a Base Case.	- Final as built and modelled operational data demonstrates at least a 5% reduction in Scope 1 and 2 emissions compared with a Base Case.	- Monitor and maintain energy saving technology implemented in the infrastructure	Monthly Board reporting Monthly Sustainability Reporting (Main Roads) Contractor monthly reporting	Monthly	Ongoing throughout design. Designs still progressing.	Ene-1 Ene-2
		Minimise waste generation and maximise reuse and recycling	- Resource output targets outlined in the Resource Efficiency Strategy must be adhered to and reported against.	- Resource output targets outlined in the Resource Efficiency Strategy must be adhered to and reported against.	- Follow the waste hierarchy for all resource outputs disposal from the project during operation.	Monthly Board reporting Monthly Sustainability Reporting (Main Roads) Contractor monthly reporting	Monthly	On track. Vegetation to be mulched and re-used on site. Topsoil to be used within landscaping as appropriate. Waste management contract to be awarded in 2022 when the project is forecast to begin generating larger volumes of waste and recycling outputs. Minor waste generated to date. Investigating re-use of concrete and fill material.	Rso-4
Design considerations for resilience and value for money		Consideration of Climate Change and Natural Hazards	- 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.	Monthly Sustainability Reporting (Main Roads) Revised climate change risk assessment and adaptation report. Design reports. As Constructed Drawings.	Monthly Annually	Resilience and climate change workshop held with external resilience consultants. There are no residual extreme or high priority risks after treatment.	Res-2
		Holistic and transparent decision making	- Significant project initiatives utilise a multi-criteria analysis process addressing triple bottom line considerations and project objectives to inform decision making	- Significant project initiatives utilise a multi-criteria analysis process addressing triple bottom line considerations and project objectives to inform decision making	- Continue use of triple bottom line assessment/ decision making tool for maintenance/ operation related decisions.	Monthly Board Report Monthly Sustainability Reporting (Main Roads) Decision records including summary of Multi-Criteria Assessment and rapid Cost-Benefit Analysis.	Monthly Annually	On track. MCA's used for significant project initiatives.	Ecn-1 Ecn-4
		Benefits realization	- Design is reflective of targeted objectives outlined in the Benefits Management Plan.	- A Benefits Realisation Report, developed after practical completion, demonstrates the Design has been implemented without deviation from the objectives of the Benefits Management Plan.	- Monitor outcomes of the project, as per the Benefits Realisation Report.	Benefits Management Plan Design reports. As constructed drawings. Benefits Realisation Report	Annually	On track. Benefits Management Plan under review for design phase. Benefits Realisation Report scheduled f	Ecn-5
									

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Safety & Workforce Sustainability	 <p>3 GOOD HEALTH AND WELL-BEING</p>	Consideration of workforce diversity & sustainability	<ul style="list-style-type: none"> - 60 full time equivalent Aboriginal employees on the project (cumulative through Design and Construction). - 10% of workforce employed for the project to be Unemployed Entry Level Work Ready people (cumulative through Design and Construction). -100% Supervisor Development Program participation of all supervisors (cumulative through Design and Construction). 		<ul style="list-style-type: none"> - Main Roads undertakes recruitment in accordance with State Government policies and relevant legislation which ensures fair and equal employment opportunities. - Main Roads manages Employee Safety, Health and Wellbeing in accordance with ISO 45001:2018 	<p>Monthly board report.</p> <p>Monthly Sustainability Reporting (Main Roads)</p> <p>Sustainability Annual Report (female and diversity).</p>	Monthly	<p>In progress. The development of the Yaka Dandjoo Program (Sustainable Employment Program) has been designed to significantly contribute to the first two targets. The Yaka Dandjoo program will provide unemployed participants with support, knowledge and skill development to assist in their transition to become 'construction industry' work-ready</p> <p>On track.</p>	Wfs-3 Wfs-4