

Document control options

Departmental approvals

Refer to the appropriate Risk Assessment Tool for relevant reviewer and approver

Date	Name	Position	Action required	Signature
10/12/19	Patrick Aprile	District Director (Mackay/Whitsunday, TMR)	Approve	
10/12/2019	Matthew Cusack	Project Manager, TMR	Approve	
10/12/2019	Stephanie Kiem	Senior Environmental Officer, TMR	Approve	
10/12/2019	Shane Ritchie	Project Design Manager, AECOM	Approve	
10/12/2019	Adriaan Window	Project ISAP (Design Phase)	Approve	

MACD 242-33B; Peak Downs Highway, Walkerston Bypass, construct service link

Project Objectives	Project Targets	IS Credit Target
<p>Our business (TMR Sustainability Framework)</p> <ul style="list-style-type: none"> • Building a transport system that is resilient in face of long term environmental and resource impacts. • Striving to innovate to design and provide long term solutions to connecting Queensland. • Understanding the economics of our business in providing efficient and value for money outcomes in delivering on our vision. <p><i>Investing for long term resilience to key drivers of change.</i></p>		
Attain an ISCA Design and As Built Rating.	Achieve an 'Excellent' ISCA Rating.	Excellent rating
Sustainability is at the core of decision making.	Decisions are driven by sustainability (incorporating economic, social and environmental aspects)	Sustainability MCA applied to at least 2 significant issues
Embed a sustainable procurement process in the project.	Consideration of environmental and sustainability aspects in the procurement process. Prioritise local material procurement.	Pro-1 Level 3 Pro-2 Level 3
Design infrastructure that is resilient to climate change.	Implement adaptation options to treat 25-50% of all medium priority climate change risks identified in a climate change risk assessment.	Cli-1 Level 2 Cli-2 Level 2

Our people (TMR Sustainability Framework)

- Valuing and developing the competence and capability of our people.
- Encouraging a dynamic, safe and healthy workplace environment with a vibrant culture.

Retaining employees and cultivating our reputation as an employer of choice.

TMR are a leader in sustainability.	Sustainability objectives and targets are committed to in a project sustainability policy.	Man-1 Level 2
	The objectives in the sustainability policy are reflected in project contracts.	Man-6 Level 3
	Knowledge sharing, and lessons learnt within the project, between projects, from outside the project, with key stakeholders and to the wider industry is formally conducted.	At least one Innovation point
	Achieve an innovation outcome	

Our stakeholders (TMR Sustainability Framework)

- Partnering with our clients and key stakeholders to create and find innovative products and processes for leading sustainable transport solutions.

Recognising the importance of our key partners, Federal, state and local agencies and industry and the community.

Stakeholder engagement is collaborative, and key stakeholders have the opportunity to influence project decisions.	A comprehensive and inclusive stakeholder engagement strategy is developed and implemented.	Sta-1 (v2.0) Level 2
		Sta-2 (v2.0) Level 2

Our society (TMR Sustainability Framework)

- Meeting the basic access and equity needs of individuals and society.
- Safe, secure and healthy transport system.
- Ensuring that Queensland has a safe and healthy transport system that the community can afford to construct, access and maintain.
- Delivering on infrastructure that connects our cities, towns and regions for current and future prosperity.

Recognising the significance of different cultures and the importance of managing Indigenous, historical, shared and natural heritage.

The project contributes positively to the community's health and wellbeing.	<p>Project improves road safety and traffic impacts around Walkerston township.</p> <p>Impacts to stakeholders in the sugar cane industry influence decision making for alignment options.</p> <p>The project contributes to local employment and education with training specific to sustainability in addition to regular apprenticeship training and job opportunities.</p>	<p>Hea-1 Level 3</p> <p>Hea-2 Level 2</p>
Natural and cultural heritage is protected and managed.	Adverse impacts to heritage during construction and operation are minimised and opportunities to enhance heritage are implemented.	Her-1 Level 2

Project Objectives	Project Targets	IS Credit Target
--------------------	-----------------	------------------

Our environment (TMR Sustainability Framework)

- Limiting pollution and waste and consumption of resources.
- Looking for efficiencies in our transport operations.
- Reducing our greenhouse gas emissions.

Reducing the impact of our transport operations on the natural flora and fauna of the state.

<p>Avoid or minimise negative impacts of the project to the surrounding land and people.</p>	<p>Have no adverse impact on the receiving water environmental values.</p> <p>No divergences from noise management processes during construction and no exceedances of noise goals for operation.</p> <p>No exceedances of vibration goals for structural damage to buildings and structures during construction or for human comfort criteria for operation.</p> <p>Minimise adverse impacts to local air quality.</p> <p>Light spill is prevented during construction and operation.</p>	<p>Dis-1 Level 3</p> <p>Dis-2 Level 3</p> <p>Dis-3 Level 3</p> <p>Dis-4 Level 1</p> <p>Dis-5 Level 1</p>
<p>Minimise the energy use and greenhouse gas emissions across the lifecycle of the project</p>	<p>Reduce greenhouse gas emissions in construction and operation through energy-efficient lights and construction plant, and offsets using renewable energy technology.</p>	<p>Ene-1: 10% reduction against Base Case</p> <p>Ene-2: 5% substitution of energy from renewable sources</p>
<p>Minimise water use across the lifecycle of the project</p>	<p>Reduce water demand and maximise use of non-potable water.</p>	<p>Wat-1: 10% reduction against Base Case</p> <p>Wat-2: 100% substitution of potable water from non-potable sources.</p>
<p>Minimise embodied energy and GHG emissions of materials across the lifecycle of the project</p>	<p>Reduce project material use and reliance on virgin materials through footprint reductions and material substitutions.</p>	<p>Mat-1: 15% reduction against Base Case</p>

Project Objectives	Project Targets	IS Credit Target
Protect, manage and enhance the natural environment	Rehabilitate degraded land along road corridor and implement measures to improve local habitats.	Eco-1: 20% improvement of site ecological value Eco-2: Enhance existing habitat connectivity