






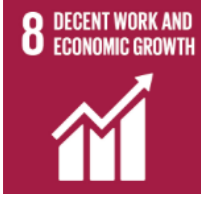











Sustainable Development Goals	What it is	Australia's Performance	What Main Roads are doing	How it could relate to the project	Importance to project
 <p>1 NO POVERTY</p>	End poverty in all its forms everywhere	<p>Challenges remain. Score moderately improving.</p> <p>Australia continues to have particular demographics experiencing poverty.</p>	In Western Australia the Indigenous, Women and people with disabilities are at higher risk to experience poverty. Main Roads have a number of policies that support the economic wellbeing of these groups.	Whilst it is appreciated this is a global concern, the level of influence the project can have on local poverty issues is fairly low. Any opportunities in the workforce space have been covered by other SDGs which are more relevant.	Not applicable
 <p>2 ZERO HUNGER</p>	End hunger, achieve food security and improved nutrition and promote sustainable agriculture	<p>Major challenges remain. Score moderately improving.</p> <p>All OECD (i.e. Developed) countries challenged for this SDG - obesity and meat consumption. Poor nitrogen management in agriculture.</p>	Improving the efficiency of freight is a key component of our strategic direction which will ultimately assist in maintaining the viability of the State's agricultural areas. Main Roads promotes proactive safety, health and wellbeing within our workforce.	The project does facilitate the movement of agricultural and food resource freight and trucks. The Tonkin Gap bridge replacement will service the industrial areas located around Tonkin Highway.	Not applicable
 <p>3 GOOD HEALTH AND WELL-BEING</p>	Ensure healthy lives and promote well-being for all at all ages	<p>Australia has achieved all health targets.</p> <p>Some challenges remain in closing the health gap between Indigenous and Non-indigenous Australians.</p>	Main Roads support active and healthy lifestyles of all Western Australians through the provision of infrastructures that supports active transport such as Cycling and Pedestrian facilities. Our conditions of employment also promote healthy living.	Opportunities exist to further promote active transport options such as cycling and pedestrian facilities, particularly linking people with places of employment and education as well as recreation. The project is also prioritising workforce culture and wellbeing through a number of initiatives and processes.	High
 <p>4 QUALITY EDUCATION</p>	Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all	<p>Challenges remain. Score moderately improving.</p> <p>Students in Australia have low achievement in science and participation in kindergarten and pre-primary.</p>	Main Roads strive to create a rich, diverse workforce and place a strong emphasis on promoting equality to ensure our workplace is free from harassment, discrimination and that all employees have access to training, progression and promotion.	Workforce and local business involvement on the project can assist in promoting education (including training) opportunities for its workforce, schools, TAFE and the community.	High
 <p>5 GENDER EQUALITY</p>	Achieve gender equality and empower all women and girls	<p>Significant challenges remain, but on track.</p> <p>Australia continues to demonstrate discrimination against women, and men, particularly around salaries and family planning.</p>	Main Roads recognise and value the role of women in the workforce and gender diversity at all levels of the organisation as a business imperative.	Gender diversity within the project workforce and sub-contractor involvement.	High
 <p>6 CLEAN WATER AND SANITATION</p>	Ensure availability and sustainable management of water and sanitation for all	<p>Challenges remain. Score moderately improving.</p> <p>Australia has one of the highest per capita water consumption rates in the world.</p>	Water is a precious resource and our State continues to experience the effects of a drying climate. To make sure we do our part in conserving water we encourage practices that reduce our impact on water sources including improving water efficiency and overall water use, utilising recycled water and avoiding the use of potable water.	Water is a precious resource particularly as the climate becomes dryer. The project will need to use water during construction, so careful selection of sources and minimising use is very important.	Very High

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 <p>7 AFFORDABLE AND CLEAN ENERGY</p>	Ensure access to affordable, reliable, sustainable and modern energy for all	<p>Extremely poor.</p> <p>Major challenges remain. Score moderately improving.</p> <p>Reliance on fossil fuels.</p> <p>Share of renewable energy in total primary energy supply (including electricity, transport and industry) is only 6.9%. In Germany it is 14.1%, and in Denmark an impressive 33.4%. Of OECD (Developed) countries, only Poland is doing worse.</p>	Main Roads have implemented a Carbon Reduction Plan and Target committing us to a 5-15% reduction of 2010 levels by 2020. We encourage and support sustainable transport modes which reduce overall energy consumption.	Construction is one of the most energy intensive activities that can be undertaken. How we design the road now will have an impact on how much energy is required during operation.	Medium
 <p>8 DECENT WORK AND ECONOMIC GROWTH</p>	Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all	<p>Moderately well.</p> <p>Significant challenges remain, but on track.</p> <p>Youth unemployment and work fatalities are the indicators noted.</p>	Through the implementation of procurement policies within our infrastructure investments we aim to provide wide spread and shared opportunities for employment or business throughout our supply chain.	Procurement practices, particularly during construction, can lead to wide spread and shared opportunities for employment and businesses.	Very High
 <p>9 INDUSTRY, INNOVATION AND INFRASTRUCTURE</p>	Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation	<p>Moderately well.</p> <p>Significant challenges remain, but moderately improving.</p> <p>Good infrastructure for internet, research, trade. But unequal access to internet, few women in science, few patents filed.</p>	Main Roads aims to deliver a road-based transport system that improves community amenity, mobility and travel choice. To ensure that our operations are open, accountable, fair and flexible, we collaborate with a wide range of customers and stakeholders who provide essential input to operational aspects of our business.	To provide value for money we need the road to: Be durable, i.e. last a long time. Be resilient, i.e. adapt to technological changes in the future.	High
 <p>10 REDUCED INEQUALITIES</p>	Reduce inequality within and among countries	<p>Significant challenges remain. Stagnating.</p> <p>Income disparity between very high income earners and others.</p>	Main Roads aims to assist bridge the gap with developing nations through providing in-kind contributions to the World Roads Association through our membership of Austroads. The World Roads Association mission includes 'considering the needs of developing countries and countries in transition'	Consider all community and stakeholders equally, not just the most affluent. Also consider disadvantaged members of the community. Gender equality and other more specific workforce/participation issues are covered under other SDGs.	High
 <p>11 SUSTAINABLE CITIES AND COMMUNITIES</p>	Make cities and human settlements inclusive, safe, resilient and sustainable	<p>Moderately well.</p> <p>Significant challenges remain. Stagnating.</p> <p>Other OECD (Developed) countries same, but improving.</p>	Our aspiration is to "provide world class outcomes for the customer through a safe, reliable and sustainable road-based transport system."	The journey along the new highway should be safe and be useful in the long term for all users. Recognition of the Aboriginal culture and heritage along the route.	High

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		Good air quality, moderate access to clean water supply, moderate rent burden, poor public transport satisfaction.			
 <p>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</p>	Ensure sustainable consumption and production patterns	<p>Poor. Major challenges remain. No data.</p> <p>Reliance on fossil fuels and wasteful business practices puts us near the bottom of the field. All OECD (Developed) countries are doing badly</p> <p>23.6kg of electronic waste per person and high sulfur dioxide and nitrogen emissions.</p>	Main Roads aims to foster a culture of sustainability, and sustainable transport, within our organisation, our industry and our community	<p>How goods and services are procured for this project has knock on effects to the environment, local workforce and community, both up and downstream. Aspects to consider include:</p> <ul style="list-style-type: none"> • Sourcing locally • Environmental footprint of materials • Workforce are not exploited during production or disposal • Disposal requirements 	Very High
 <p>13 CLIMATE ACTION</p>	Take urgent action to combat climate change and its impacts	<p>Extremely poor. Major challenges remain. Stagnating change.</p> <p>Australia flagged among G20 as having biggest 'gap' ('A lack of action and commitments from the G20 countries would make it impossible to achieve the SDGs, depriving large shares of the world's population from achieving sustainable development and improved living conditions').</p> <p>Annual energy-related carbon dioxide emissions are 14.8 tonnes per person - much higher than the 5.5 tonnes for the average Brit, and 4.3 tonnes for the typical Swede.</p>	Main Roads is developing an appropriate response and adapting our business to the impacts of our changing climate	<p>Materials selected and energy used for construction and operation contribute to the climate change.</p> <p>Asset integrity and function must be designed in a way to enhance resilience to the impacts of climate change.</p> <p>One of the largest sources of emissions on the project relates to road users and vehicle profiles, which is outside the control of the project to influence.</p>	Medium
 <p>14 LIFE BELOW WATER</p>	Conserve and sustainable use the oceans, seas and marine resources for sustainable development. This does not include inland waters.	<p>Significant challenges remain. Stagnating.</p> <p>Most OECD countries also doing badly. Mostly related to fisheries management, including the use of trawlers and over-exploited stocks.</p>	Main Roads aims to reduce our impact on the natural environment by focusing on emissions, pollution, waste, land use and resources. This includes managing run-off into our oceans and water bodies.	The project is not within or in close proximity to the ocean.	Nil
 <p>15 LIFE ON LAND</p>	Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land	<p>Poor.</p> <p>Significant challenges remain. Stagnating.</p> <p>Red List measuring species survival is getting worse in Australia.</p>	Main Roads is committed to responsible environmental stewardship. We ensure our workforce is informed and committed, guided by policies and systems. We recognise what we do has potential to	The ecological values of the project are significant. These include fauna, flora, vegetation and inland waters and water ways, i.e. the Swan River.	High

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	degradation and halt biodiversity loss		impact on Western Australia's unique environment.		
 <p>16 PEACE, JUSTICE AND STRONG INSTITUTIONS</p>	Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels	<p>Challenges remain. Score moderately improving.</p> <p>There remains a high number of persons held in prison per capita.</p>	To ensure that our operations are open, accountable, fair and flexible, we collaborate with a wide range of customers and stakeholders who provide essential input to operational aspects of our business.	It is important that this project is delivered in an open, fair and flexible way. Collaboration with a wide range of stakeholders is essential to delivering value for all users on the project.	Very High
 <p>17 PARTNERSHIPS FOR THE GOALS</p>	Strengthen the means of implementation and revitalize the global partnership for sustainable development	<p>Significant challenges remain. Stagnating.</p> <p>Scores poorly on spending on international development.</p>	Main Roads is currently developing a Funding Policy that outlines the intent, principles, and responsibilities for the expansion of funding for Main Roads' activities through the identification, evaluation and implementation of alternative revenue, funding and financing opportunities.	As this is one of the State's major projects, it is important this is developed in partnership with METRONET, road users, local community, and other stakeholders to maximise the benefit of the road and rail corridor, whilst minimising the cost to social, environmental and local economic issues.	High