

Annual Sustainability Report – Mitchell Freeway Extension

June 2016



Annual Sustainability Reporting Template for Major Projects with IS commitments	Period Covering July 2015 to June 2016
<p>This reporting template is to be used as a basis for a MRWA major project to produce a stand-alone sustainability report. While these indicators are a basis as to what the report should include the author should be aware that to produce a report targeted at the intended report audience (it is linked to MRWA's Annual and Sustainability Report) and it should include all information necessary so that it can be read as a stand-alone report. This report is also an opportunity for the project to showcase its sustainability credentials and strengthen the project partners reputation for sustainable development.</p> <p>The indicators below are loosely based on the indicators of the Global Reporting Initiative (GRI) v4. Main Roads encourages the use of GRI principles when developing a public sustainability report for a major project and many of the indicators can be explained or defined further by referring to the information and guidance available via the GRI website.</p>	
Project Name	Mitchell Freeway Extension Project

Topic	What to report?	Content Reported
General Project Information	<p>General Project Overview including: -location; length; who is involved; project value; improvements considered; reasons for these improvements; other reasons why the project is important; values, principles, standards and norms project has adopted; governance structure</p>	<p>MRWA together with CPB Contractors will design and construct the extension of Mitchell Freeway north to Hester Avenue, Clarkson. The Australian Government has contributed \$209.1 million to our \$261.4 million project..</p> <p>Extending the freeway north will deliver improved transport efficiency in Perth's far north suburbs, ease congestion on local roads, improve traffic flow and stimulate investment to enhance the development of the area.</p> <p>The project will deliver: Six kilometres of dual carriageway in each direction, with capacity for expansion to three lanes in the future; New interchanges at Burns Beach Road, Neerabup Road and Hester Avenue; Shared Path for pedestrians and cyclist, including underpasses and a bridge; Extension of Neerabup Road from Connolly Drive to Wanneroo Road; Widening of Hester Avenue from Hidden Valley Retreat to</p>

Topic	What to report?	Content Reported
		<p>Wanneroo Road; Reconfiguration of Flynn Drive/ Wanneroo Road / Neerabup Road intersection; Widening of Wanneroo Road from Flynn Drive to Hall Road Upgrading of Joondalup / Wanneroo Road intersection; and Noise mitigation, where required.</p>
<p>Why is Sustainability important to this project?</p>	<p>Statement from most senior decision maker on why sustainability and sustainable development is important to the project Highlight the top Sustainability aspects for the project and why they were determined to be the top aspects</p>	<p>Since 2013, the local community has been consulted and has helped to develop the project design. Issues surrounding sustainability have been identified as key concerns from project conception; whether it be minimising impacts to Neerabup National Park or increasing connectivity between residential and industrial precincts. Sustainability is fundamental to both stakeholder and client expectations and as an organisation we are striving to imbed these principles in our business practices. Increasing the number of fauna underpasses between the National Park precincts on the project is an example of how we have developed both an innovative and more sustainable design.</p>

Topic	What to report?	Content Reported
Status of Infrastructure Sustainability rating	Is the project registered for a rating? What is targeted rating? What rating has been achieved to date? Any other important progress information IS credit case study or outstanding achievement for sustainability	Yes, the project is registered for a rating. Currently completing the documentation for the design rating. Aiming for a commended score.
Report Profile	Specify reporting period; previous report (if any); reporting cycle i.e annual; point of contact(for report and project); state if any of the information is subject to external assurance	Annual project report. IS projected rating is reported quarterly.
Water use by Source	Detail the management approach to this sustainability aspect. Give an indication if this was important to the project, any strategies/plans/policies implemented to reduce/improve the projects impact to this aspect and what the successes or failures were. If you can reference further information/content on a project website please do so. Provide a case study of an initiative or achievement	Water use has been minimised through the use of gluon during summer to hold soil in place, starting water carts earlier to maximise soil moisture and minimise evaporation, using locally won mulch to protect rehabilitation areas and selecting drought tolerant native species within the landscape design. The incorporation of endemic, native species has meant that no irrigation is required for the final design.
Scheme/potable	Water purchased from the scheme in litres	0
ground water	Water pumped from bores in litres	Approx. 560 000 kilolitres
surface water	Water pumped from rivers, lakes or harvested in litres	0
recycled water	Recycled or waste water use (typically from another industry) in litres	0
Carbon Emissions & Energy	Detail the management approach to this sustainability aspect. Give an indication if this was important to the project, any strategies/plans/policies implemented to reduce/improve the projects impact to this aspect and what the successes or	Energy emissions have been reduced through a innovation project design which maximised the use of locally won material and minimised cut to fill on the project.

Topic	What to report?	Content Reported
	failures were. If you can reference further information/content on a project website please do so. Provide a case study of an initiative or achievement. Link the indicators listed below to the explanation of the management approach for this sustainability aspect	
Energy usage by source in megajoules		100% Diesel
From fuel	Fuel usage by type and split by on-road and off-road in litres	3,067,554L Diesel Used to date.
From electricity	Total Electricity purchased from the grid in kwh	0
% from renewable sources	report the % of renewable energy mix in fuels, the kwh purchased from the grid or the amount produced from significant renewable energy installations on site and not included in total energy purchased from the grid	0
Energy saved	Report in kwh or litres of fuel the energy saved from any energy saving initiative implemented.	Approx. 440 000 Litres of diesel saved through the innovative design (resurvey of the site and change to the balance of cut and fill).
Materials Usage	Detail the management approach to this sustainability aspect. Give an indication if this was important to the project, any strategies/plans/policies implemented to reduce/improve the projects impact to this aspect and what the successes or failures were. If you can reference further information/content on a project website please do so. Provide a case study of an initiative or achievement. Link the indicators listed below to the explanation of the management approach for this sustainability aspect	A 200m section of recycled crushed glass (320 tonnes) will be incorporated into the subbase of Wanneroo Road in a first for a MRWA project.

Topic	What to report?	Content Reported
Total materials used in tonnes	as per MRWA materials reporting survey	Crushed Limestone - 65457t Crushed Rock - 20369t Asphalt -1529t Concrete - 16795t Aggregate - 1015t Sand - 7141t
Total recycled materials used in tonnes	as per MRWA materials reporting survey	320 tonnes crushed glass.
Total materials planned to be used in tonnes	Give estimates of total materials required as per the final design	Still in the process of final calculation for IFC design.
Total recycled materials planned	Give estimates of total recycled materials the project is committed to using as per the final design	320 tonnes of recycled crushed glass.
Total materials disposed of.	Total materials disposed of in tonnes (as per MRWA materials reporting survey); report the disposal method - recycling, landfill, on-site storage, composting, other	605.6 tonnes of material recycled, 48 tonnes of general waste. 92% recycled waste as a % of total waste.
Environmental	Detail the management approach to this sustainability aspect. Give an indication if this was important to the project, any strategies/plans/policies implemented to reduce/improve the projects impact to this aspect and what the successes or failures were. If you can reference further information/content on a project website please do so. Provide a case study of an initiative or achievement. Link the indicators listed below to the explanation of the management approach for this sustainability aspect	
Planned/actual Clearing	Estimate the amount of land that is to be cleared in Ha or give actuals	131
Planned/actual rehabilitation	Estimate the amount of land that is only temporarily cleared and is to be rehabilitated in Ha or give actuals; report status of rehabilitation at the close of	65

Topic	What to report?	Content Reported
	reporting period; report size and location of rehabilitation	
Planned/actual Offsets	The amount of environmental offsets that the project is committed to delivering in Ha or actuals; report if a third party is involved in these offsets and who the third party is and their level of expertise; report status of offset at the close of the reporting period; report size and location of offset	Discussions for offsets are still taking place. No signed agreement
Protected Areas and areas of high biodiversity value	Report if the project is impact either directly or in-directly protected areas or areas of high biodiversity value outside of protected areas. Report: geographic location; position of area in relation to project; Listing of protected status; the attribute of the protected area or high biodiversity value area; report nature of significant direct and indirect impacts on biodiversity ie pollution, pests, reduction of species, habitat conservation, ecological processes (salinity or changes in groundwater); species effected, extent of impacts, duration or impacts, reversibility or impacts, run-off or discharge,	Clearing for the project has taken place through Neerabup National Park.
List of significant species/habitat	Give details of significant species and habitat that is directly or indirectly impacted by the project	Banksia woodland habitat. Potential habitat for Carnaby's Black Cockatoo.

Topic	What to report?	Content Reported
Amount Spent on Environmental Offsets	<p>linked to Planned/actual Offsets</p> <p>In regards to types of offsets that could result in financial payments, please see the list below:</p> <ul style="list-style-type: none"> • Vegetation establishment <ul style="list-style-type: none"> - Planting, direct seeding or topsoil respread - Control of Weeds and Pests - Fencing (Installation/removal) - Weed Matting/mulch (installation/removal) • Purchase of Offset Land • Provision of Funds for Research <ul style="list-style-type: none"> • Provision of Funds for the maintenance of conservation land (including establishment of firebreaks, fencing and feral animal control) • Provision of Funds for the purchase of Land • Translocation programs of vegetation • Site preparation (ripping or mounding soil) • Funds can be used for Adaptive management • Funds can be paid to the WA Environmental Offsets Fund • Nesting boxes/ Artificial Dreys (in lieu of breeding trees) 	N/A
Environmental Impact Assessment	Has the project been subject to an EIA and will there be on-going monitoring	Yes, monitoring is being completed during construction monitoring post construction is for Main Roads
Environmental Impact Assessment	Are the results of the EIA publically available? If so, where? (link)	Yes in part, approvals are set across a number of different authorities and is not entirely readily available.
Economic	<p>Detail the management approach to this sustainability aspect.</p> <p>Give an indication if this was important to the project, any strategies/plans/policies implemented to reduce/improve the projects impact to this aspect and</p>	

Topic	What to report?	Content Reported
	what the successes or failures were. If you can reference further information/content on a project website please do so. Provide a case study of an initiative or achievement. Link the indicators listed below to the explanation of the management approach for this sustainability aspect	
Planned BCR and other measures of productivity		N/A.
No. of people employed by project supply chain	No. of people have been inducted to site Total Employee wages	Approx. 1100
No. of businesses engaged by the project	No. of contractors awarded contracts for delivery of the project	>131
\$ spent buy local	Value of purchases or contracts awarded to business located within the regional location of the project including local employment, training, research & innovation	73,816,035
\$ spent aboriginal enterprise	Dollar spend on registered aboriginal enterprises http://www.abdwa.com.au/home.asp?cmd=	Under \$ 10, 000.
\$ spent disability enterprise	Dollar spend on registered disability enterprises http://wade.org.au/	0
Legacy Project, 'additional' infrastructure or service supported	Is a legacy project (or additional infrastructure or services) delivered for this project? If so, describe. Include \$ spent, linkage to local community needs ie is a defined goal of a local council etc, what is the extent of the impact of the project? Positives? Negatives? Were these investments commercial, in-kind or pro bono engagements	N/A
Planned legacy project BCR		N/A

Topic	What to report?	Content Reported
Local workforce development	No. of FTE equivalents sourced from the MRWA region that the project is taking place in Proportion of senior project management hired from local community (WA)	No fly in workforce. 100% Perth/WA based workforce.
Workforce Development	Average hours of training per year per employee by gender, and by employee category % of employees receiving regular performance and career development reviews by gender, and by employee category	N/A
Value of overall project/contract	Value of contract(s) awarded for the project	\$75,905,398
Average Property value before and after project (difference compared to overall property values		N/A
Savings to freight or contribution to Gross State Product		N/A
Risk to Climate Change	Value of Asset at Extreme or High Risk to Climate Change Actions to adapt the asset to Climate Change	Adaptations adopted as part of business as usual practices.
Fines or sanctions	Value and nature of any fines or sanctions from non-compliance with laws and regulations (ie environmental or safety etc)	No fines or sanctions on the project to date.
Diversity of entire project workforce	Detail the management approach to this sustainability aspect. Give an indication if this was important to the project, any strategies/plans/policies implemented to reduce/improve the projects impact to this aspect and what the successes or failures were. If you can reference further information/content on a project website please do so. Provide a case study of an initiative or achievement. Link	N/A

Topic	What to report?	Content Reported
	the indicators listed below to the explanation of the management approach for this sustainability aspect	
% women in workforce	No. of FTE equivalent positions held by women No. of women inducted to site	N/A
% women in senior positions	No. of FTE equivalent management/ senior positions held by women expressed as a percentage	N/A
% aboriginals in workforce	No. FTE equivalent positions held by aboriginal people No. of aboriginal people inducted to site	N/A
Safety of entire project workforce (includes sub-contractors)	Detail the management approach to this sustainability aspect. Give an indication if this was important to the project, any strategies/plans/policies implemented to reduce/improve the projects impact to this aspect and what the successes or failures were. If you can reference further information/content on a project website please do so. Provide a case study of an initiative or achievement. Link the indicators listed below to the explanation of the management approach for this sustainability aspect	
% of workforce represented in formal health and safety committees		100
Types of injury		Minor first aid
Lost time injury rate		0
Fatalities		0
Workers with high incidence or high risk of specific diseases		N/A

Topic	What to report?	Content Reported
Stakeholder Engagement	Detail the management approach to this sustainability aspect. Give an indication if this was important to the project, any strategies/plans/policies implemented to reduce/improve the projects impact to this aspect and what the successes or failures were. If you can reference further information/content on a project website please do so. Provide a case study of an initiative or achievement. Link the indicators listed below to the explanation of the management approach for this sustainability aspect	
Results of Value Assurance Review		N/A
Effective Communication	Results of stakeholder engagement surveys	One round of stakeholder engagement completed. Second report due later this month. Surveys are completed biannually.
Addressing community concerns	Results of stakeholder engagement surveys No of community concerns addressed. Top topics or concerns raised by community or stakeholders	87.5% felt the project was "Very important". 75% satisfied with project information. One consistent query was why the freeway wasn't being extended further?
Social Impact Assessments	Was the project subject to a Social Impact Assessment?	N/A
Social Impact Assessments	Is the results of the SIA publically available? If so, where?	N/A
Indigenous rights and consultation	Details of any Indigenous consultation undertaken by the project Detail any issues raised by indigenous communities impacted by the project	Indigenous consultation conducted prior to project commencement. MRWA conducted site visits with members of the local Aboriginal community. No issues have been raised by indigenous communities impacted by the project.

Topic	What to report?	Content Reported
Road Safety	<p>Detail the management approach to this sustainability aspect.</p> <p>Give an indication if this was important to the project, any strategies/plans/policies implemented to reduce/improve the projects impact to this aspect and what the successes or failures were. If you can reference further information/content on a project website please do so.</p> <p>Provide a case study of an initiative or achievement. Link the indicators listed below to the explanation of the management approach for this sustainability aspect</p>	
Traffic Management	Details of Road Safety Initiatives for traffic through the project site	Quarterly road safety traffic audits with a third party traffic auditor
Incident Frequency	No of serious traffic incidents within project boundary compared to volume of traffic	No serious traffic incidents to date.
Road Safety Upgrades	Detail of Road Safety initiatives implemented as part of road design or upgrades	Temporary traffic controls have been installed in the same manner as more permanent traffic controls would be implemented. For instance, safety bollards have been bolted in place. This minimises maintenance requirements and also decreases the risk of the bollards being hit into traffic, which increases risk for other road users and exposes workers to further risks through remediation works.
Community Amenity	<p>Details of community amenity and facilities to improve road side areas (and in turn encourage travellers to take breaks etc)</p> <p>Details of any road design for crime prevention</p>	N/A

Topic	What to report?	Content Reported
Sustainable Transport	Detail the management approach to this sustainability aspect. Give an indication if this was important to the project, any strategies/plans/policies implemented to reduce/improve the projects impact to this aspect and what the successes or failures were. If you can reference further information/content on a project website please do so. Provide a case study of an initiative or achievement. Link the indicators listed below to the explanation of the management approach for this sustainability aspect	
Cycling and Pedestrians	Details of any Cycling and Pedestrian facilities provided by the project	The project will develop north/south and east/west connections that will link the project area to the Perth cycle path network. The Neerabup Road connection will also link residential areas with industrial areas of employment.
Road Based Public Transport	Details fo any facilities or design features aimed at improving road based public transport or access to rail based public transport	PSP connections tie in with Currambine and Clarkson train stations, along with the associated bus infrastructure at Clarkson station.
Travel Smart	Details of any initiatives to encourage sustainable transport by the project team. % breakdown of trips of workforce getting to and from site: Vehicle; public transport/bus; cycling	End of trip facility (shower) at site office.
Feedback	Give an opportunity to provide feedback on the report, including providing contact details and how to do this.	