What is Sustainable Development?





BUILDING AUSTRALIA



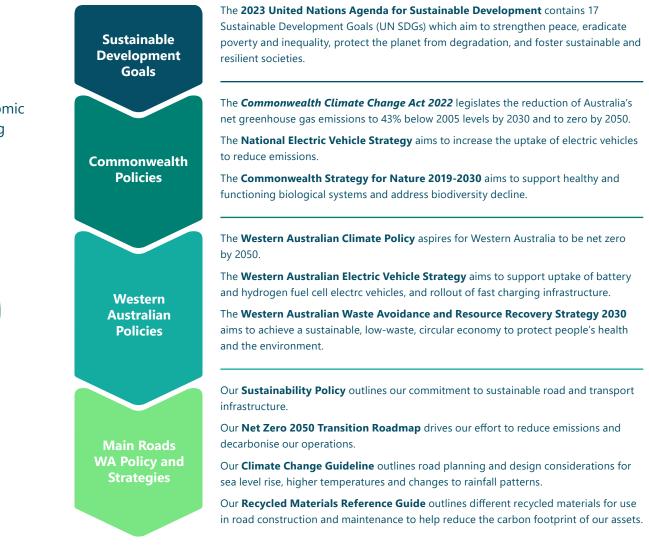
Sustainable development meets the needs of today without compromising the needs of future generations by balancing social, environmental, and economic aspects throughout the project life cycle.

Why is it important?

Sustainable development in transport is crucial for economic growth, connecting people to goods and services, linking communities, supporting health and wellbeing, reducing emissions, and improving urban greening.



At Main Roads WA, our approach to sustainability is driven by the following:



At Main Roads WA, sustainability is embedded into each project stage. To achieve the best outcomes, sustainability needs to be considered as early as possible. The type of solution selected to solve a transport problem has a significant impact on overall sustainable outcomes.

How do we balance environmental and social outcomes with economic development when it comes to a transport corridor problem? You may wish to think about the following sustainable development questions:

What are the environmental and social priorities for Orrong Connect?

How will different project options affect the local area?

Develop

Will some options have more environmental and community impacts than others?

How can Orrong Connect provide community and social benefits?

How will Orrong Connect impact the local economy in the long term?

Operate &

Maintain

How is sustainability applied to each project stage? Planning Planning Orrong Connect is here

Sustainability initiatives are worked into the project design, construction and operation.

Construct

Sustainability initiatives may include recycled material use; water and energy efficiency; landscape and urban design; innovative approaches; community benefits and economic benefits.

Choices are made to reduce environmental and social impacts where possible.

Emissions are tracked and reported.

Maintenance and repair works are completed as efficiently as possible.

Information on local context, the environment, community values, and priorities is gathered. Different project options are compared against environmental, social and economic outcomes.

Environmental

- How much vegetation will need to be cleared?
- How much material will be needed to build the option?
- What emissions will be generated?
- Are there opportunities to improve the landscape and enhance local flora and fauna?

Will the option improve or impede connections to footpaths and local roads?

 Will some community members be impacted more than others?

Social

- Is the option safe for pedestrians, cyclists and road users?
- Can public or green spaces be improved?

 Will the option affect access to local businesses and community services?

Economic

- Will the option provide employment opportunities?
- How long will construction take and how will it impact local businesses?

The most important constraints, impacts and opportunities are used to help select a project solution.