Banana Shire Infrastructure Plan

2012 - 2022

Infrastructure and Planning

Strategy

Banana Shire provides the infrastructure base for a 16,000 resident population and an estimated market population of 25,000.

Rationale

Essential infrastructure, high environmental amenity and good access to a well qualified and well connected labour force are key requirements that both local and regional businesses look for in establishing or remaining in the region.

Key Strategic Outcomes & Tasks

High standards in infrastructure development and maintenance are critical to sustain Banana Shire's economic and geographical advantages to the business community. Key Strategic Outcomes and Tasks to ensure that Banana Shire maintains and grows its competitive advantage include:

- **Monitor the infrastructure needs** of local industry and business sectors and encourage the private sector and all other levels of government to prioritise and align infrastructure implementation programs and funding to key economic development and employment projects for the region;

- **Foster opportunities for joint infrastructure projects** in cooperation with business and industry groups, government agencies and other local government;

- **Ensure adequate supply of available land** for residential, commercial and industrial purposes that supports a diverse local and regional economy and promotes economic growth;

- **Encourage and promote partnership in water infrastructure** development ensuring sufficient water for sustainable growth.

- **Promote the availability of infrastructure and facilities** which may influence the ability to attract and retain businesses and population across the region;

- **Research critical infrastructure needs for key growth** industries in the region and identify and prioritise immediate infrastructure deficiencies;

- **Pursue improvements to and application of communication technology** in the region and encourage all new developments to have advanced communications/technological infrastructure available such as the National Broadband Network;

- **Promote the development of aerodrome infrastructure** in the Banana Shire as an opportunity for business expansion in the aviation related industry and to support other business/industry expansion/investment;

- **Encourage sustainable development** and environmentally friendly business practices which protect and maintain the local natural environment and existing infrastructure, facilities and amenity;

- **Encourage and promote partnerships with State and Federal governments** and agencies in respect of infrastructure needs of local businesses and for future investment in infrastructure (such as transport links, roads, broadband access and phone coverage).

Planning Scheme

Please refer to the current Banana Shire Councils Planning Scheme for information. Council is currently developing a new planning scheme for information on the new scheme please contact kathryn.morland@banana.gov.qld.au

Holistic Planning

Banana Shire Council will encounter many issues that will require holistic planning to overcome, as resource industries develop within and outside of the shire, the pressure to supply services will grow.

Rationale	Subject	Activity/ Task	Council Role	Stakeholders	Status
Due to the aspiration of increasing the population in the shire's larger communities and sustaining the smaller communities, it is worth noting the importance of holistic planning.	Capitalise on growth within a sustainable development framework	Take steps to maintain and develop "liveable" communities in partnership with industry	Provider/Partner	Banana Shire Council Qld Government Industry	Ongoing
		Lobby Government to involve Council and the community at the "Terms of Reference" (TOR) stage of every development	Advocate	Qld Government Australian Government Community Groups LGAQ Industry BSC Qld Resource Council	
		Ensure that the cumulative impacts that potential developments will have on communities are fully considered and actioned	Advocate		

Strategic Planning

Rationale	*Subject*	*Activity/ Task*	*Council Role*	*Stakeholders*	*Status*
Local, regional, state and national planning need to be intertwined	Holistic planning	Be active in all aspects of strategic planning	Advocate	BSC Developers DLGP Chambers of Commerce Qld Resources Council	Ongoing

Social Infrastructure

Social infrastructure within the shire while being of a concern to Council needs to be driven by community, through recognised need. Council recognises that it should play the role of advocate rather than that of the partner or provider. In many of the social infrastructure cases Council is also has the licensing and inspection role.

Part of the advocacy role is to ensure that social infrastructure is included in the planning scheme and other legislative documentation.

Rationale	*Subject*	*Activity/ Task*	*Council Role*	*Stakeholders*	*Status*
When planning for the future of the Shire, it is imperative that consideration is given to the social infrastructure required by the community.	Sustainable infrastructure for all residents	Facilitate the expansion and growth of essential services to support people in their community. Examples of these services are: • Youth services and facilities • Services for seniors • Accessible accommodation for people with disabilities • Aged care services and facilities • Child care facilities	Advocate	BSC Australian Government Qld Government Developers DLGP Dept of Communities Community Groups Business & Industry	Ongoing

Telecommunication

Banana Shire is a large and diverse region that is highly reliant on telecommunication

Rationale	Subject	Activity/Task	Council Role	Stakeholders	Status
Information Technology or communications within the shire is significant to the growth of the shire	Upgrade infrastructure to provide coverage to the whole of the shire	Lobby NBN to ensure that all Banana Shire communities have the services that will attract growth Continue to lobby for improvement in Landline, mobile and internet coverage	Advocate	Australian Government Qld Government BSC NBN Telstra Industry & Businesses Community	Ongoing

Amenities (Community Infrastructure)

Community infrastructure including:, aquatic centres, skates parks, recreation areas; passive and activities, art and culture etc. It is covered in the community plan and the individual place based plans for each community within the Banana Shire. The Plans can accessed from the Banana Shire Councils Web site's Community Planning page.

Rationale	Subject	Activity/Task	Council Role	Stakeholders	Status
Community infrastructure builds communities	Infrastructure that meets community needs	Support the community in the development of appropriate amenities. Major Projects include: Banana Regional Art Gallery Leichhardt Centre - Taroom	Provider Partner	BSC Qld Government Australian Government Industry	Ongoing

Aerodromes

The continual development of aerodromes, domestic air services and freight services is paramount to the ongoing economic growth of the shire. Qantas link fly's daily to Thangool except Saturday, please consult Qantas for current timetable.

Rationale	Subject	Activity/ Task	Council Role	Stakeholders	Status
Aerodromes within the shire are critical to the development of the region's resources industries	Continue to upgrade the Thangool and Taroom aerodromes to meet industry needs	Upgrade Thangool aerodrome to meet the need of Q400 aircraft, including the upgrading of security arrangements.	Partner	Australian Government Qld Government BSC Industry & Businesses CASA Community Qld Resource Council	Ongoing
		Investigate the establishment of a national and international air freight centre at Thangool			
		Investigate the development of Aero Industry development at Thangool			
		Upgrade the Taroom aerodrome, including sealing to accommodate the proposed charter flights and a new terminal building			

Banana Shire Council Aerodromes Scoping Study – June 2010

For information on all Banana Shire Aerodromes and airfield please refer to the Banana Shire Council Aerodromes Scoping Study. The study is available by contacting Banana Shire Council Technical Services Department.

Roads

Banana Shire has an extensive road network with 3931 km of shire roads and 490 km of state roads. The road network is a major catalyst to the economic future of shire. The condition of the state road network is a major concern; bridges at Dululu (Burnett Highway), Roundstone Creek (Dawson Highway) and Sheep Station Creek (Dawson Highway) have major impediments to growth within the shire.

Understanding fully that the improvement in one area will bring higher impact into another area highlights the need to manage the State Road network in a holistic regional manner.

The upgrading of the Calliope Range will increase B Double and B Triple truck movements in Biloela, Banana, Theodore and Taroom facilitating the need to build heavy transport routes around these communities and the upgrading of Dawson and Leichhardt Intersection at Banana.

Rationale	Subject	Activity/ Task	Council Role	Stakeholders	Status
Planned Infrastructure that meets the economic needs of the region	East - West Corridor - Road - Dawson Highway	Complete the upgrade of the Dawson Highway Gladstone to Rolleston. Replace the remaining wooden Bridges with Urgent Commencement of Sheep Station Creek and Roundstone Creek	Advocate Partner	BSC Australian Government Qld Government Community	Ongoing
	Burnett and Leichhardt Highway Intersection Roundabout - Dululu	The intersection at Dululu is becoming increasingly dangerous due to the increase of traffic using both highways. The construction of a roundabout will manage the traffic and decrease the number of accidents			
	Dawson & Leichhardt Highway Intersection Banana	Construction of a new intersection at Banana is needed due to the use of the Gladstone Port to service the Bowen and Surat Basins. The cumulative impacts on this intersection will be immense as every new development with the shire increases the traffic flow through the intersection.			
	High level flood immunity Dawson, Burnett and Leichhardt Highways including all low level bridges floodways and floodplains'	As the Northern Surat and Southern Bowen Basin Regions expands the necessity to reduce flood interruption by 90% will also increase. As the resource industries expand and the focus on Gladstone grows these three highways will be major links for the harbour city and its export infrastructure.			

Planned Infrastructure that meets the economic needs of the region	Eidsvold- Theodore Road Completion of Pavement Construction and Sealing	The Theodore - Eidsvold Road is a major east west link for the resources industries. Completion of the 15 km gravel section and upgrading of bridges and widening of existing sealed areas will provide access from the Burnett Highway and bring greater employment opportunities to the Burnett and Wide Bay Region.	Advocate Partner	BSC Australian Government Qld Government Community	
	Leichhardt & Boulevard Intersection Theodore including the Heavy Transport Route to Cracow bypassing the Theodore CBD	The current intersection is in very poor condition and the need for the heavy transport route is urgent.			
	Heavy Transport Route around Biloela	Construction of heavy transport route around Biloela is needed due to the use of the Gladstone Port to service the Bowen and Surat Basins.	Advocate Partner	BSC Australian Government Qld Government Community	
	Heavy Transport Route around Taroom	Construction of heavy transport route around Taroom is needed due to the use of the Gladstone Port to service the Surat Basin.			
Planned Infrastructure that meets the social needs of the communities'.	Community engagement	Works programs are available to the community and advance notice of major works	Provider Advocate Partner	BSC Australian Government Qld Government	Ongoing
	Road Safety	Identify intersections that require the additional signage and slip lanes			

		Investigate speed limits and enforcement methods, especially school zones and bus routes.		Community Road Safety Management Working Group	
		Lobby for the Installation of appropriate flood signage on Qld Government roads			
		Undertake road safety audits and risk assessments			
		Undertake road safety awareness campaigns			
	Aesthetics	Improve town entrances to reflect a better image of the community			
Storm water management a key issues in all communities'	Storm Water	Continue to develop the storm water strategy	Provider Partner	BSC Developers Qld Government Australian Government	Ongoing
		Develop water retention and reuse system as part of storm water management, including water quality			

Rail

Rail is a major concern within the region. The removal of freight form rail for the replacement of coal will prove to be a poor decision by government that will have a long term negative impact on the economic stability of the region.

Poor or no investment into intermodal services has increased the need to transport more bulk commodities by road; during the 2010/2011 wet weather this decision placed immense pressure on the state road network causing unprecedented damage.

The exclusion of rail from the Queensland Infrastructure Plan (QIP) is seen as a backward step and one that the region will suffer from.

Banana Shire is seeking the investigation into the construction of intermodal sites at Dakenda and with the Gladstone region, these sites need to be developed with a 20 to 30 year horizon to ensure the sustainability of industries beyond mining.

Rationale	Subject	Activity/ Task	Council Role	Stakeholders	Status
	Surat Rail Line	Completion of the Surat Line	Advocate Partner	BSC Australian Government Qld Government Community	
	East - West Corridor - Rail - Moura Short Line	Duplicate the Moura Short line to cope with the extra traffic from the Surat Basin			
	Intermodal Terminal - In Gladstone Area	Construction of an Intermodal Centre at Mt Larcom to handle Gladstone and increased freight from the Surat rail connection			
	Intermodal Terminal - Dakenba	Construction of an Intermodal Centre at Dakenba to handle increased freight from the North Burnett, Banana Shire and Surat rail connection			

Water, Sewage and Waste

The delivery of infrastructure development for council owned commercial services is paramount to the development of the shire.

Water & Sewage

Increased population will place greater pressure on existing infrastructure.

Rationale	Subject	Activity/ Task	Council Role	Stakeholders	Status
Due to the rarity of water in the area, the recycling of this valuable resource is extremely important.	Continual development of sustainable water practices	Upgrade all STPs to Class A+ with Theodore STP as a priority Banana Water Tower Baralaba Water Treatment Plant	Provider Partner	BSC Developers Qld Government Australian Government	Ongoing
		Research all options for waste water management, recycling and reuse Major Projects Include: • Magavalis Recycled Water System • Moura Recycled Water Project	Advocate	BSC Qld Government Australian Government	
		Continue to support the community in the collection and use of rainwater	Advocate	BSC Qld Government	
		Investigate council owned storage methods to ensure a secure water supply for the future	Partner	Australian Government Sunwater	

Waste

Infrastructure to manage the increasing volume of waste is a priority for the Council. Collection, access to recycling and disposal stations and the management of the final product will require extensive infrastructure development.

Rationale	Subject	Activity/ Task	Council Role	Stakeholders	Status
Waste management is a critical service within the Shire	Encouraging the community to take responsibility in the reduction of waste spread throughout the Shire	Continue education programs about the impacts of improperly disposed of waste	Advocate Provider	BSC Qld Government Australian Government Industry LGAQ CQLGA	Ongoing
		Recycling collection points			
		Lobby government to institute waste minimisation program instead of applying charges			
	Waste Management	Participate in regional waste management strategies	Provider Partner	BSC Qld Government Australian Government Industry LGAQ CQLGA	Ongoing
		Construction of the Transfer station in communities that have refuse pits.			

Water Infrastructure

Investment by the Queensland and Australian Governments into water storage and delivery is vital for the ongoing growth of the shire. Lack of water for industry and urban use has been a major impediment to the development of the shire.

Rationale	Subject	Activity/ Task	Council Role	Stakeholders	Status
Water storage and delivery is vital to the growth of the shire	Continual development management of water	Continue to lobby for the completion of the Nathan Dam & Pipelines	Advocate	BSC Qld Government Australian Government Sunwater	Ongoing
		Ensure that water from the Nathan Dam is made available to Banana Shire Communities and industry			
		Investigation into the duplication of the Awoonga Pipeline and delivery of water			

Enviromental

Rationale	Subject	Activity/ Task	Council Role	Stakeholders	Status
The control weeds within the shire	Banana Shire has a major issues with the spread of weeds via machinery especially that used in the resources industry	Construction of new wash down bays in strategic locations within the shire	Advocate	BSC Qld Government Australian Government Resource Companies	Ongoing
		Upgrading and expansion of existing wash down bays.			

Disaster Management

Rationale	Subject	Activity/ Task	Council Role	Stakeholders	Status
The ability to access appropriate infrastructure	Training Facilities	Relocation of the SES at Theodore away from flood prone area. Constructing a regional SES training facility	Advocate	BSC Qld Government Australian Government Sunwater	Ongoing
		Provide a concrete boat ramp at Theodore for SES operations			
	Mitigation	Advisory Signs at tourist areas providing information on the dangers of flooding and precautionary action.			
		Installation of Water monitoring equipment in flood prone systems			

Please also refer to Banana Shire Councils "Local Plan" developed after the 2010 – 2011 floods.