

INFRASTRUCTURE SERVICES COMMITTEE 15 FEBRUARY 2012	1
---	----------

MAJOR PROJECTS STATUS REPORT – INFRASTRUCTURE SERVICES

Brad Finegan: 1/3/81-23: #2466766V25

RECOMMENDATION:

That this report be noted.

INTRODUCTION:

The following update is provided on current major projects being managed by Project Services. The current projects include:

- Walker Road Upgrade (Project PCT11587)
- CBD Flood Mitigation Abbott St to Marlin Parade Outlet Works (PCD10710)
- *Barron Gorge Rockfall Protection PCT7686*

DEFINITIONS:

Business terms, Abbreviations and Acronyms.	Description of Meaning
AMBI	Asset Manager Budget from Inception
CBD	Central Business District
DEEDI	Department of Employment, Economic Development & Innovation
DERM	Department of Environment and Resource Management
DTMR	Department of Transport and Main Roads
HVAC	Heating, Ventilation and Air-Conditioning
ITD	Inception To Date
Milestone	A significant event or point in the project signifying the commencement and/or completion of a major project deliverable.
R2R	Roads to Recovery

Project: WALKER ROAD UPGRADE

Project Client: Stephen Tyter

Project Manager: Rick Thompson

Scope of Works: Upgrade the section of Walker Road between Isabella State School (Quinn Drive) and the roundabout near Coles (Logomeir Road – unformed) to a two lane median divided road.

Key Achievements:

- Design complete.
- Price received from Cairns Works and approval for Works to proceed issued June 2011.
- Major drainage installations substantially complete.
- Subgrade preparation works completed.
- Asphalt placed to both carriageways.
- Linemarking completed and both carriageways are in use.
- Street lighting installation completed by Babinda Electrics.
- *Pedestrian safety fence to footpath adjacent to high batter completed.*
- *As this project is effectively complete this will be the last report.*

Issues:

- Landscaping at centre median to be included in project scope.
- Landscaping design completed with finalisation of median trees selection.

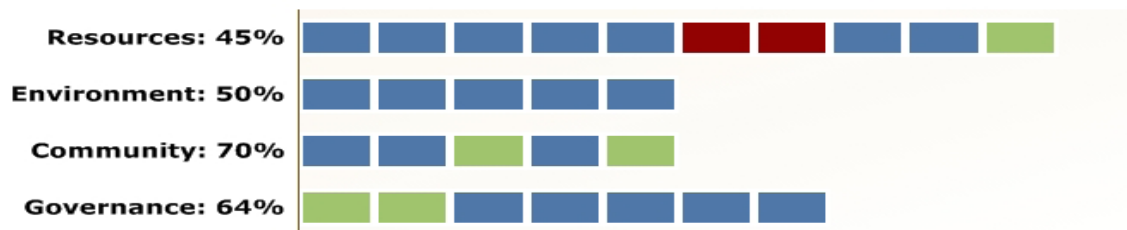
Future Milestones:

Project Milestone	Estimated Date	Completed (✓)
Project Charter approved	30 March 2011	✓
Detailed design approved	10 May 2011	✓
Tendered or internally quoted	19 May 2011	✓
Construction start date	14 June 2011	✓
Handover to Asset Manager complete	<i>February 2012</i>	✓

Financial Data:

Project cost summary estimate for PCT11587 as at	12/01/2012
Council approved budget from inception	\$2,153,474
Asset Manager budget from inception (working budget)	\$2,153,474
Expenditure:	
Construction costs plus approved variations	\$1,416,427
Design costs (including engineering, design, survey, etc)	\$98,473
Miscellaneous costs (Ergon, Telstra, Water & Waste, etc)	\$58,700
Internal project management costs	\$35,409
Estimated cost to complete	\$15,250
Estimated total cost at completion	\$1,624,258

Funding for this project will come from the Federal Government's Roads to Recovery Program.

Sustainability:1. Improving Resource Efficiency

Construction projects by their nature use resources and thus score negatively in terms of resource efficiency.

2. Conserving Biodiversity

The project is neutral in terms of biodiversity as it involves upgrade of an existing road. Inclusion of native plants in the landscaping may have beneficial impact on local biodiversity.

3. Enhancing Community Health and Wellbeing

Major community benefit is achieved with significantly improved traffic management and stormwater management enhancing public health and wellbeing.

4. Delivering Sound Governance and Economic Management

The updated traffic infrastructure benefits the social economy into the future and will be delivered according to budget.

Project: **CBD SOUTH FLOOD MITIGATION
ABBOTT ST TO MARLIN PARADE OUTLET WORKS**

Project Client: Stephen Tyter

Project Manager: Rick Thompson

Scope of Works: Design and Documentation of stormwater pumping station and associated infrastructure for Abbott Street and Marlin Parade Stormwater Drainage Systems

Key Achievements:

- Preliminary design report for pumping station and associated infrastructure currently being finalised for future status report to Council.
- Detailed design and documentation completed for new stormwater outlet from Wharf Street / Abbott Street intersection discharging to Trinity Inlet, through Ports North land.
- Construction of Ports North Outlet Works was to commence on Monday 10 October 2011.
- Construction approximately 70% complete.
- Commenced laying pipes and forming up the first pit.
- *Tide Flex valve / pit installation completed.*
- *Wharf Street stormwater drainage works commenced.*

Issues:

- Ports North drainage outlet needs to be constructed to suit their upcoming foreshore improvement works underway with JPPI Pty Ltd.
- Environmental Permits for construction of outlet to Trinity Inlet caused some delay to construction; however these have now been resolved.
- Additional funding required for variations associated with contributing to Ports North for construction of 'screening' deck over outlet and disposal of contaminated soil to Tingara Street site.
- King tides and rain *continue to cause delays through January 2012.*

Future Milestones:

1. Ports North Outlet Works (new stormwater outlet from Wharf/Abbott)

Project Milestone	Estimated Date	Completed (✓)
Ports North Outlet Works		
Detailed design approved	August 2011	✓
Tendered or internally quoted	August 2011	✓
Construction start date	10 October 2011	✓
Handover to Asset Manager complete	<i>March 2012 weather permitting</i>	

2. Design and Documentation of Pump Station and Associated Infrastructure

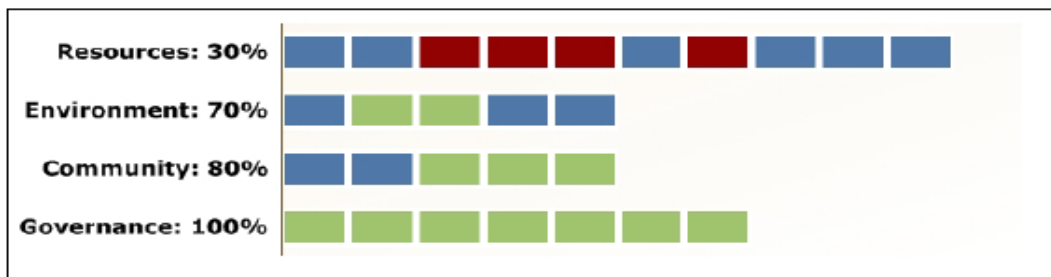
Milestones to be advised following outcomes of future status report to Council.

Financial Data:

Project cost summary estimate for PCD10710 as at	3/02/2012
Council approved budget from inception	\$1,728,503
Asset Manager budget from inception (working budget)	\$1,728,503
Expenditure:	
Construction costs plus approved variations	\$1,076,160
Design costs (including engineering, design, survey, etc)	\$195,052
Miscellaneous costs (Ergon, Telstra, Water & Waste, etc)	\$173,475
Internal project management costs	\$103,571
Estimated cost to complete	\$180,631
Estimated total cost at completion	\$1,728,888

Note: Asset Manager Budget pending increase of \$250,000.

Sustainability:



1. Improving Resource Efficiency

Construction projects by their nature use resources and thus score negatively in terms of resource efficiency.

2. Conserving Biodiversity

No significant impacts are expected to the environment as a result of this project. It is noted that Ports North will be carrying out extensive landscaping and improvement works directly over the stormwater pipe prior to December 2011.

3. Enhancing Community Health and Wellbeing

Construction of this stormwater drainage pipe will assist in minimising flooding events at the intersection of Abbott and Wharf Streets. Ultimately the construction of the remaining stormwater pumping station and associated infrastructure will provide 1 in 100 year immunity in future years.

4. Delivering Sound Governance and Economic Management

Council's previous commitment to reducing flooding in the southern CBD is in line with Corporate and Operational objectives. Reduction in the associated impacts of flooding in the immediate area will contribute to responsible governance and economic management of affected areas of the CBD.

Project: **BARRON GORGE ROCKFALL PROTECTION**

Project Client: **Stephen Tyter**

Project Manager: **Wayne Dagleish**

Scope of Works: **To design and construct a Rockfall protection structure to protect vehicles and pedestrians accessing the Barron Gorge Road at Maccas Bluff.**

Key Achievements:

- **Design approximately 80% complete.**
- **Tender documentation approximately 80% complete.**

Issues:

- **Consultation is yet to commence with user groups and the community.**
- **Liaison with Stanwell Corporation Limited is ongoing.**
- **Constructability will be an issue due to the difficult nature of the terrain.**

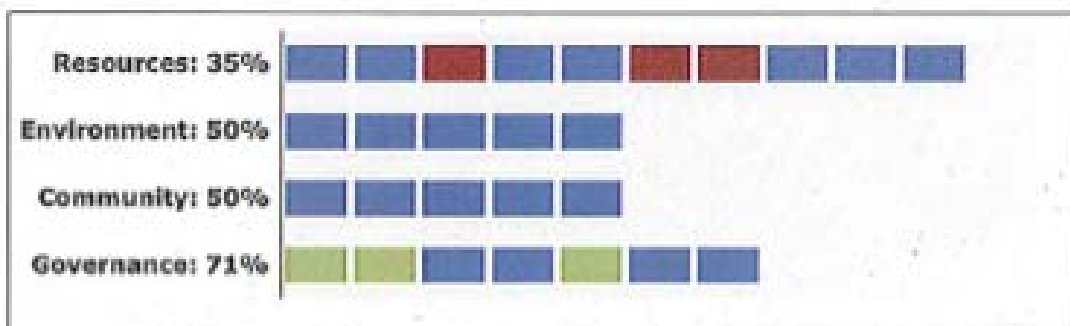
Future Milestones:

Project Milestone	Estimated Date	Completed (✓)
Project Charter approved	December 2011	✓
Detailed design approved	February 2012	
Tendered or internally quoted	February 2012	
Construction start date	June 2012	
Handover to Asset Manager complete	November 2012	

Financial Data:

Project cost summary estimate for PCT7686 as at	27/01/2012
Council approved budget from inception	\$1,349,007
Asset Manager budget from inception (working budget)	\$749,007
Expenditure:	
Construction costs plus approved variations	\$12,909
Design costs (including engineering, design, survey, etc)	\$80,205
Miscellaneous costs (Ergon, Telstra, Water & Waste, etc)	\$20,024
Internal project management costs	\$45,453
Estimated cost to complete	\$1,757,500
Estimated total cost at completion	\$1,916,091

Note: *The asset manager has approved extra budget for this project which will be transferred from savings in other projects and formalised at the next budget review.*

Sustainability:

1. **Improving Resource Efficiency**

Construction projects by their nature use resources and thus score negatively in terms of resource efficiency.

2. **Conserving Biodiversity**

The project is neutral in terms of biodiversity as it involves the construction of a Rockfall protection system.

3. **Enhancing Community Health and Wellbeing**

Major community benefit is achieved with significantly enhancing public safety, health and wellbeing.

4. **Delivering Sound Governance and Economic Management**

The updated infrastructure benefits the social economy into the future and will be delivered according to budget.

BRAD FINEGAN
Manager Project Services

ROSS MCKIM
General Manager Infrastructure Services