

<b>INFRASTRUCTURE COMMITTEE</b>  <b>19 SEPTEMBER 2012</b>	<b>1</b>
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## MAJOR PROJECTS STATUS REPORT – INFRASTRUCTURE SERVICES

Brad Finegan : 1/3/81-25: #3612941v5

### **RECOMMENDATION:**

**It is recommended that Council notes this report.**

### **INTRODUCTION:**

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

The current projects include:

- Barron Gorge Rockfall Protection PCT7686
- Port Douglas Master Plan Waterfront Park Demolition Works PCC12147
- Baio Bridge Replacement PCT12620
- Schulz Bridge Replacement PCT12421
- Redlynch Intake Road Connector to Larson Road PCT13001

The Projects currently programmed for the design phase only are:

- Logomeir Road Extension PCT12367
- Machans Beach Rock Seawall PCP12515
- Lake Street Extension PCT11643
- Aumuller Street Upgrade (Mulgrave Road to Hoare Street) PCT12365

### **DEFINITIONS**

<b>Business Terms, Abbreviations and Acronyms</b>	<b>Description of Meaning</b>
AMBI	Asset Manager Budget from Inception
CBD	Central Business District
DEEDI	Department of Employment, Economic Development and Innovation
DERM	Department of Environment and Resource Management
DTMR	Department of Transport and Main Roads
HVAC	Heating, Ventilation and Airconditioning
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

Legend: *Italic* – new since last report

**Italic** – new report

**Project:** **BARRON GORGE ROCKFALL PROTECTION PCT7686**

**Project Client:** Terry Armit

**Project Manager:** Paul Stubbs

**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 100% complete.
- Tender advertised 9 May 2012 and closed on 5 June 2012.
- Warning and hazard signs for Barron Gorge Road have been installed.
- Tenders have closed and the 3 tenders are currently being evaluated.
- Contract awarded to Davbridge Constructions Pty Ltd at June Ordinary Meeting.
- Council resolution to source additional \$1 million funding required.
- Contractor to mobilise to site late August 2012.
- Community and stakeholder consultation and notification has commenced.
- *Earthworks and drilling has commenced.*

**Issues:**

- Consultation is continuing with user groups. Notification will commence to the wider community in early August.
- Liaison with Stanwell Corporation Limited is ongoing.
- At this stage Stanwell advise that there will be no contribution from them for constructing the works.
- Constructability will be an issue due to the difficult nature of the terrain.
- *Managing Stanwell / Rafting Company access ongoing.*
- *Rafting Company access window is longer than originally discussed.*

**Future Milestones:**

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

**Financial Data:**

<b>Project cost summary estimate for PCT7686 as at</b>	<b>5/09/2012</b>
<b>Council approved budget from inception</b>	<b>\$3,000,000</b>
<b>Asset Manager budget from inception (working budget)</b>	<b>\$3,244,385</b>
<b>Expenditure:</b>	
Construction costs plus approved variations	\$2,102,548
Design costs (including engineering, design, survey, etc)	\$179,090
Miscellaneous costs (Ergon, Telstra, Water & Waste, etc)	\$45,381
Internal project management costs	\$106,411
Estimated cost to complete	\$554,026
<b>Estimated total cost at completion</b>	<b>\$2,987,456</b>

**Project:** PORT DOUGLAS MASTER PLAN WATERFRONT PARK  
DEMOLITION WORKS STAGE 1 – PCC12147

**Project Client:** Terry Armit

**Project Manager:** Andrew Baxter

**Scope of Works:** Creation of public open space through the removal of buildings and structures (eg pontoons/gangways) within Lease areas C, B, G (west building) and H that will form part of the future Port Douglas Waterfront Park/Lagoon Stage 1.

**Key Achievements:**

- A tender was called for the demolition of buildings on Leases C, B & H with an option for demolition of the western building on Lease G (includes asbestos removal).
- Contract awarded at Council Meeting on 30 May 2012 to Breakthrough NQ Pty Ltd.
- All four buildings have been demolished.
- *Site clean-up completed by Contractor.*

**Issues:**

- Delays to permits for the demolition of pontoons and western Lease G building *were experienced* as considered tidal works.
- Permits now issued.

**Future Milestones:**

<b>Project Milestone</b>	<b>Estimated Date</b>	<b>Completed (✓)</b>
Project Charter approved	February 2012	✓
Detailed design approved	February 2012	✓
Tendered or internally quoted	Close 27 March 2012	✓
Construction start date	June 2012	✓
Handover to Asset Manager complete	September 2012	

**Financial Data:**

<b>Project cost summary estimate for PCC12147 as at</b>	<b>4/09/2012</b>
<b>Council approved budget from inception</b>	<b>\$52,668</b>
<b>Asset Manager budget from inception (working budget)</b>	<b>\$252,668</b>
<b>Expenditure:</b>	
Construction costs plus approved variations	\$184,782
Design costs (including engineering, design, survey, etc)	\$5,082
Miscellaneous costs (Ergon, Telstra, Water & Waste, etc)	\$14,384
Internal project management costs	\$35,830
Estimated cost to complete	\$114,600
<b>Estimated total cost at completion</b>	<b>\$354,677</b>

The Asset Manager Budget has not yet been uploaded into the Oracle system. Furthermore the Council Approved Budget does not yet include carryover from 2011/2012 year. This will be addressed at the next budget review. Therefore the Estimated Cost to Complete will not match the budget for this report. This will be addressed as soon as the carryover budget has been adopted by Council. *In addition this project is funded across two project numbers with further funding provided in the 2012/13 budget.*

**Project:** **BAIO BRIDGE REPLACEMENT PCT12620**

**Project Client:** Terry Armit

**Project Manager:** Jarred Ellis

**Scope of Works:** Demolition of the existing timber bridge and the supply and installation of a new fibre composite bridge structure.

**Key Achievements:**

- Approval to engage Wagners at the quoted price of \$670,192.41 (including GST) provided at Council Meeting dated 30 May 2012.
- Letter of Acceptance issued on 22 June 2012 for supply and installation of the above bridge.
- *Detailed design under review.*
- Wagners expected to commence on site late *September 2012.*
- Environmental permits are *finalised.*

**Issues:**

- *Wagners have advised of a delay of approximately four weeks in delivery of material from international suppliers. However this has only resulted in an overall construction completion delay of approximately one week.*

**Future Milestones:**

<b>Project Milestone</b>	<b>Estimated Date</b>	<b>Completed (✓)</b>
Project Charter approved	-	✓
Detailed design approved	-	✓
Tendered or internally quoted	-	✓
Construction start date	<i>September 2012</i>	✓
Handover to Asset Manager complete	<i>November 2012</i>	

**Financial Data:**

<b>Project cost summary estimate for PCT12620 as at</b>	<b>7/09/2012</b>
<b>Council approved budget from inception</b>	<b>\$850,000</b>
<b>Asset Manager budget from inception (working budget)</b>	<b>\$947,477</b>
<b>Expenditure:</b>	
Construction costs plus approved variations	\$587,327
Design costs (including engineering, design, survey, etc)	\$7,585
Miscellaneous costs (Ergon, Telstra, Water & Waste, etc)	\$3,392
Internal project management costs	\$12,957
Estimated cost to complete	\$238,847
<b>Estimated total cost at completion</b>	<b>\$850,107</b>

**Project:** SCHULZ BRIDGE REPLACEMENT PCT12421

**Project Client:** Terry Armit

**Project Manager:** Jarred Ellis

**Scope of Works:** Demolition of the existing timber bridge and the supply and installation of a new fibre composite bridge structure.

**Key Achievements:**

- Approval to engage Wagners at the quoted price of \$511,644.60 (including GST) was provided at Councils Meeting dated 30 May 2012.
- Letter of Acceptance issued on 22 June 2012 for supply and installation of the above bridge.
- *Draft detailed design under review.*
- Wagners expected to commence on site late *September 2012.*
- Side track construction completed by Cairns Works.
- Environmental permits are *finalised.*

**Issues:**

- *Wagners have advised of a delay of approximately four weeks in delivery of material from international suppliers. However this has only resulted in an overall construction completion delay of approximately one week.*

**Future Milestones:**

<b>Project Milestone</b>	<b>Estimated Date</b>	<b>Completed (✓)</b>
Project Charter approved	-	✓
Detailed design approved	-	✓
Tendered or internally quoted	-	✓
Construction start date	<i>September 2012</i>	✓
Handover to Asset Manager complete	October 2012	

**Financial Data:**

<b>Project cost summary estimate for PCT12421 as at</b>	<b>7/09/2012</b>
<b>Council approved budget from inception</b>	<b>\$700,000</b>
<b>Asset Manager budget from inception (working budget)</b>	<b>\$816,130</b>
<b>Expenditure:</b>	
Construction costs plus approved variations	\$448,276
Design costs (including engineering, design, survey, etc)	\$47,237
Miscellaneous costs (Ergon, Telstra, Water & Waste, etc)	\$6,703
Internal project management costs	\$16,228
Estimated cost to complete	\$181,700
<b>Estimated total cost at completion</b>	<b>\$700,144</b>

The Asset Manager Budget has not yet been uploaded into the Oracle system. Furthermore the Council Approved Budget does not yet include carryover from 2011/2012 year. This will be addressed at the next budget review. Therefore the Estimated Cost to Complete will not match the budget for this report. This will be addressed as soon as the carryover budget has been adopted by Council.

**Project:** REDLYNCH INTAKE ROAD, CONNECTOR TO LARSON ROAD PCT13001

**Project Client:** Terry Armit

**Project Manager:** Natasha Murray

**Scope of Works:** The upgrade of Redlynch Intake Road between Redlynch Connector Road and Larson Road to provide a suitable configuration for the safe and efficient carriage of vehicles, cyclists and pedestrians.

**Key Achievements:**

- External funding (LRRS TIDS) secured to provide \$600,000 project subsidy in 2012/13 financial year.
- Preliminary design is 80% complete.

**Issues:**

- Project needs to be undertaken in conjunction with project PCT12424, which involves the replacement of the existing degraded culverts between Larson Road and Springbrook Avenue with a bridge structure of sufficient width to accommodate two traffic lanes, shoulders of sufficient width for cyclists and a footpath on one side.

- The timing of construction will be subject to availability of bridge deck units, necessary permits and service relocations with constraints around works on the bridge near the wet season. *Potential to commence roadworks in October 2012.*

#### Future Milestones:

Project Milestone	Estimated Date	Completed (✓)
Project Charter approved	April 2012	✓
Detailed design approved	October 2012	
Tendered or internally quoted	October 2012	
Construction start date	October 2012 or April 2013	
Handover to Asset Manager complete	June 2013	

#### Financial Data:

Project cost summary estimate for PCT13001 as at	4/09/2012
<b>Council approved budget from inception</b>	<b>\$1,215,302</b>
<b>Asset Manager budget from inception (working budget)</b>	<b>\$1,215,302</b>
<b>Expenditure:</b>	
Construction costs plus approved variations	0.00
Design costs (including engineering, design, survey, etc)	\$48,901
Miscellaneous costs (Ergon, Telstra, Water & Waste, etc)	0.00
Internal project management costs	\$5,598
Estimated cost to complete	\$1,157,000
<b>Estimated total cost at completion</b>	<b>\$1,211,499</b>

#### **PROJECTS CURRENTLY SET FOR DESIGN PHASE**

The following projects have been funded for design only. At this point construction is not yet programmed.

#### **LOGOMEIR ROAD EXTENSION PCT12367**

##### **Scope of Works:**

The preparation of a detailed design and cost estimate for a two lane road between Mallicoola Road and Walker Road, including its intersection with Walker Road and Mill Road, alongside the proposed Edmonton Town Centre.



**Comments:**

The link will provide a key connection between the suburbs of Bentley Park and Edmonton, providing access to the existing Sugarworld Shopping Centre development, Sugarworld Recreational Facility and future Edmonton Town Centre. The design is to be completed within the 2012/13 financial year with the expected cost of design being \$300,000.

**MACHANS BEACH ROCK SEAWALL PCP12515****Scope of Works:**

Design and documentation for the reconstruction of the Machans Beach Rock Seawall from Barr Street in the north to Redden Creek in the south.

**Comments:**

The key outcome of this phase of the project is to complete the design, documentation and estimates of construction cost to allow Council's consideration of the timing of the works in future Capital Works Programs.

Current estimates for construction are in the vicinity of \$12 – 15 million. Design phase nearing completion. *Permits and funding sources being investigated.*

**LAKE STREET EXTENSION PCT11643****Scope of Works:**

The preparation of a detailed design and cost estimate for a new two lane road between Moffatt Street and Airport Avenue, and upgrade to the existing road between Moffatt Street and Rutherford Street.

**Comments:**

Currently the sole access to the Cairns Airport is via the Sheridan Street / Airport Avenue, State Controlled intersection. This intersection experiences significant congestion and has associated safety problems. The Lake Street Extension will provide a secondary, alternate access to the Airport and a direct local link to and from the CBD. It will however result in increased demand on Councils road infrastructure and indirect impacts on the operation of Councils network which needs to be considered when evaluating the priority of this project for future funding. The design is to be completed in the 2012/13 financial year.

**AUMULLER STREET UPGRADE (MULGRAVE RD TO HOARE ST) PCT12365****Scope of Works:**

The preparation of a detailed design and cost estimate for upgrading Aumuller Street between Mulgrave Road and Hoare Street from a two lane undivided road to its ultimate form being a four lane median divided road with bicycle and pedestrian facilities. This involves an upgrade to the intersection of Aumuller Street/ Gatton Street/ Hoare Street, drainage, lighting and streetscape works.

**Comments:**

The upgrade will increase safety, capacity and amenity along the Aumuller Street link as a continuation to the work previously undertaken by Council in the section between Mulgrave Road and Spence Street. The design is to be completed in the 2012/13 financial year, with decisions on funding and timing of construction to be considered in future budgets.

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