

## **REQUEST FOR QUOTE- Moura Boat Ramp Extension detailed design – Dawson River**

**RFQ # Q-2122-INF-88**

### **Annexure 1**

#### **Section 1 Scope of Works**

##### **1.1 Overview of Project Objectives**

Improve Banana Shire Council's Moura Boat Ramp at the Dawson River (E149.909994, S24.599946), through extension of the existing structure.

##### **1.2 Brief Description of the Works**

Banana Shire Council are looking for an engineering consultant to complete a boat ramp extension design for Moura Dawson River Boat ramp, key project outputs include:

- Extension of the existing boat ramp by 10-12m
- Design to include Humes precast concrete products:
  - Boat Ramp 4000 x 1000 x 200 RG4000
  - Boat Ramp 4000 x 1000 x 200 T4000
  - PRECAST BOAT RAMP ANCHOR BEAM 4000X750X750
- DAF approvals (if required)
- Construction methodology

The design will need to be 'for construction' and must be supervised by an RPEQ engineer, the design needs to be supplied in softcopy with survey setout points and electronic data for machine guidance. DAF may need to be consulted during the design process. BSC can supply survey data and can assist with site inspections and subcontractor coordination.

##### **1.3 Background**

The Moura Community is an active community that has a strong connection with the Dawson River, the Moura township is located 8km east of the Dawson River residents and visitors regularly access the river and surrounds. The existing boat ramp was constructed by local community groups between 1950-1980, Banana Shire Council extended the boat ramp upwards in the 1990's, the older ramp segments do not conform to current boat ramp standards and requires safety improvements and extension. Rainfall and irrigation drawdown cause the Dawson River water heights to fluctuate regularly, when the water is the low the boat ramp does not extend into deeper water. The new boat ramp will provide safe, accessible, all year, and all water height access to the Dawson River.

#### **1.4 Function to be performed**

Detailed design for construction plans that will include:

- Hydraulic assessment of the ramp extension
- DAF approvals (if required)
- Detailed BOQ and material specification
- Survey control and machine guidance for construction
- Construction methodology

#### **1.5 Performance Specifications**

All designs to be aligned with the DTMR Design Criteria for Boat Ramps

#### **1.6 Specification of Works to be carried out**

Detailed design (as above) for Moura Boat Ramp at the Dawson River (E149.909994, S24.599946).

#### **1.7 Specification of Services to be performed**

Detailed design for construction, this will include:

- Geotechnical investigation (if required)
- Services location (if required)
- Hydraulic assessment
- Boat Ramp extension detailed design
- Detailed BOQ and material specification
- Consultation with DAF and other agencies (if required)

BSC will supply detailed survey data (design area) and can assist with site inspections and subcontractor coordination.

#### **1.8 Specification of Goods to be supplied**

Detailed design plans (A3 softcopy) including survey control points and setout, AutoCad DWG's, electronic survey data for machine guidance.

#### **1.9 Technical Requirements**

All designs to be completed to align with the DTMR Design Criteria for Boat Ramps

#### **1.10 Pricing/Fee Proposal**

Bill of Quantities to be provided with any provisional items and variation hourly rates.

#### **1.11 Insurances**

All designs are to be done under the guidance of a Registered Professional Engineer Queensland with appropriate insurances.

## 1.12 Resources Supplied by Banana Shire Council

BSC can supply survey data and can assist with site inspections and subcontractor coordination.

## 1.13 Site Preparation

N/A

## 1.14 Deliverables

Detailed design plans (A3 softcopy) including survey control points and setout, AutoCad DWG's, electronic survey data for machine guidance.

## 1.15 Site Possession Deliverables

Prior to site possession, the Contractor/Service Provider must have completed the following online activities:

Site familiarisation

## 1.16 Defect Period/Warranty

Engineering consultant to be available to reply to preconstruction design review questions and design queries during construction.

## 1.17 Delivery Dates or Delivery Period

All designs to be complete 'for construction' by 1/9/2022

## 1.18 Delivery Address or Work Location

Banana Shire Council email to:

Allan Heit (Manager Infrastructure Technology) - [Allan.Heit@banana.qld.gov.au](mailto:Allan.Heit@banana.qld.gov.au)

Daniel Price (Senior Design Coordinator) - [Daniel.Price@banana.qld.gov.au](mailto:Daniel.Price@banana.qld.gov.au)

Enquiries – [enquiries@banana.qld.gov.au](mailto:enquiries@banana.qld.gov.au)

## 1.19 Working Hours

N/A

## 1.20 Key Personnel

The following Key Personnel are anticipated for delivery of the work/services.

Role	Name	Qualifications & Experience	Allocation to Project (FTE %)	Time on Site (% or hours)
Site investigation team				
Design Team				
Registered Professional Engineer Queensland				

## **1.21 Environmental Requirements**

Detail design to include environmental considerations, this may include erosion control during construction and temporary/permanent erosion control post construction.

## **1.22 Reporting Requirements**

Throughout completion of the works, the Contractor must provide written reports

### **1.22.1 Daily Reports**

N/A

### **1.22.2 Weekly Reports**

N/A

### **1.22.3 Fortnightly Reports**

N/A

### **1.22.4 Monthly Reports**

N/A

### **1.22.5 Other Reports**

Final Report on each design

## **1.23 Site Meeting Requirements**

Predesign meetings – video conference or on-site, prior to design

Design progress review meeting - video conference or on-site, prior to detailed drafting

Final design meeting – video conference or on-site for handover

## **1.24 Other Work**

N/A

## **1.25 Post Completion Support**

N/A

## **1.26 Attachments**

The following attachments form part of the Scope of Works:

Moura Boat Ramp - Locality plan and photos.pdf - Locality plan and photos

Moura Boat Ramp - Concept design.pdf – Concept design

## **1.27 BSC Policies**

The Contractor must comply with the following BSC Policies in the completion of the works:

- Code of Conduct;

- Drug and Alcohol Policy;
- Procurement Policy; and
- Work Health and Safety Policy.
- Complete copies of these policies are available to the public on the BSC website at the following address: <https://www.banana.qld.gov.au>

## **1.28 Standards**

The Contractor must comply with the following standards in the completion of the works: Workplace Health and Safety Regulations 2011;

- This Specification
- Council Policies (specific to the job)
- Capricorn Municipal Development Guidelines (CDMG)
- AustRoads

## **Section 2 Work Health & Safety Requirements**

### **2.1 Project Safety Management Plan**

N/A – Design only

### **2.2 BSC Inductions**

N/A – Design only

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