



QA SPECIFICATION G1

JOB SPECIFIC REQUIREMENTS

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| Version for: MR377 – Marara Ck. Bridge Date: February 2007 |
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SPECIFICATION PART G1

JOB SPECIFIC REQUIREMENTS

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SPECIFICATION PART G1

JOB SPECIFIC REQUIREMENTS

1 OVERVIEW OF WORK IN CONTRACT

Work under this Contract generally involves construction of a new bridge over Marara Creek on MR 377- Escort way, 2.4km west of Eugowra (83.0 km west of Orange).

2 GENERAL DESCRIPTION OF NEW BRIDGE

The overall length of the new bridge is 18.6m. The bridge deck is 10.5m between the inner faces of Type F kerbs. The overall width of the bridge is 11.5m.

The superstructure of the new consists of two 9m long spans of simply supported pre-cast pretensioned concrete planks composite with cast-in-place reinforced concrete deck.

The reinforced concrete abutments and pier headstock are supported on 750 mm diameter cast-in-place reinforced concrete piles.

The bridge is on straight alignment, has 0.736 % vertical gradient and is on a 15⁰ skew. The deck has 2.7 % one way crossfall.

A 3m approach slab and subsoil drainage system within the slab area is provided at each abutment. The bitumen sealing on the concrete deck is to be provided by others.

3 WORK TO BE CARRIED OUT BY CONTRACTOR

You shall carry out all activities necessary to construct the new bridge, including but not necessarily limited to:

- Site establishment and setting out the work.
- Removal of vegetation clearing including disposal.
- Bridge Works including approach slabs.
- Excavation of any materials including disposal or earth filling as necessary for the bridge construction works.
- Construction of subsoil drainage including providing geotextile, nofines concrete and perforated pipes.
- Environmental protection measures during construction.
- Fixing bridge nameplates supplied by the Principal.
- Demobilisation, clean up and restoration of site and site compound area.
- Preparation of “Works-as-Executed” Drawings

4 WORK NOT IN CONTRACT

The contract does not include the following works:

- Application of bitumen sealing on the concrete bridge deck
- Demolition of the existing bridge
- Construction of approach roads

5. WORK TO BE CARRIED OUT BY OTHERS

The following works will be constructed by others:

- Temporary side track before commencement of the construction of new bridge to allow traffic during construction of the bridge
- Demolition of the existing bridge before construction of the new bridge.
- Bridge approaches after construction of the bridge.
- Bituminous sealing on the bridge deck.

6. AVAILABLE SITE INFORMATION

Geotechnical information has been provided in the Information to the Tenderers in the Tender Documents.

7 SITE COMPOUNDS, WORKING AREAS AND STORAGE AREAS

You are responsible for establishing site compound, working and storage areas required by you, preferably in previously established compound sites or stockpile sites. Refer to RTA Specification G36 for other environmental conditions applicable to the site compound. Additional requirements for your facilities are included in Specification G2 Clause 15.

The area on the northern side of the bridge as shown in the map given in the Information for Tenderers may be used for this purpose. If you propose to establish any other working or storage areas, you must undertake additional assessment of the environmental impacts associated with operating such working and storage areas (refer RTA G35 Clause 6.1).

You are responsible for maintenance of the accesses and the compound site during the Contract and removal and restoration of the area to a condition equal to the existing upon completion.

8 PRINCIPALS ACCOMMODATION

Principal's accommodation is not required for this work. However, you shall provide a suitable room for Principal to conduct site meetings within your site compounds which can be used by the you other times.

9 TRAFFIC CONTROL

Before commencement of the construction of new bridge, a temporary side track will be constructed by the Principal and traffic will be diverted on to the side track. The traffic will be allowed on the side track until completion of the bridge construction works. The allowable speed within the side track will be 60km/h. All the signs for providing of this speed control will be installed at site by the Principal and these signs are property of the Principal.

You are responsible for required traffic controls for bridge construction activities. At the time of you mobilise at site all the signs installed by the Principal will be handed over to you. You are allowed to use as it is or change the location of the traffic signs installed by the Principal as appropriate to the bridge construction activities. You must handover all the traffic signs installed by the Principal at the end of bridge construction works.

You shall provide a Traffic Management Plan to the Principal in accordance with RTA QA Specification G10 at the beginning of the works and each time when you propose to change.

All costs associated with the control of traffic must be borne by you.

10 POSSESSION OF SITE

The time for giving possession of the site to you is two (2) weeks from the date of Acceptance of Tender, unless otherwise agreed with the Principal, to allow you to submit the following documentation:

- Contract Program
- first stage of PROJECT QUALITY PLAN
- first stage of ENVIRONMENTAL MANAGEMENT PLAN
- Project OHS&R Management Plan
- Vehicle Movement Management Plan

Notwithstanding the granting of possession of site, you must not commence any work on the road until the Principal has accepted the above documentation.

11 MATERIALS SUPPLIED BY THE PRINCIPAL

The Principal will supply a bridge nameplate without charge to you.

12 PREQUALIFICATION AND SUB-CONTRACTING

Bridge Construction:

The Head Contractor (also referred to as the “You” in this Contract) shall be pre-qualified with the Principal at class B05 or higher.

Pre-cast Pretensioned Concrete / Steel Products:

Pre-cast pre-tensioned concrete members shall be manufactured only by concrete pre-casters who are pre-qualified with the Principal at class CR. Major steel fabrication shall be carried out by a Contractor pre-qualified with the Principal at class SR. The formwork component

must be carried out by contractors registered with RTA in Class F or prequalified for bridge works.

13 CO-ORDINATION AND REVIEW

The Principal will convene regular project co-ordination meetings to review progress and consider any issues relating to this project. You shall be represented at these meetings by at least your Project Manager and construction supervisor.

You shall prepare and distribute one week prior to each project co-ordination meeting, a report on the following:

- progress in relation to construction programme, achieving milestones and date for completion,
- quality status, conformance results, non-conformance and corrective action close-outs,
- effectiveness of environmental control measures,
- progress payment claims, work completed but not claimed, plus cash flow forecast for next 2 months,
- any variations or extension of time claims (current and proposed),
- traffic control and construction staging,
- community issues,
- potential delays and construction problems.

Project Co-ordination meetings will normally be held monthly. The Principal will issue minutes of each meeting within one week after the meeting.

14 COMMUNITY LIAISON

Advise the local community of construction activities that could directly affect the community. Prior to releasing such advice, give the Principal at least two weeks notice of the advice. Nominate a contact person and their telephone number for community enquiries about operational matters relating to construction activities. Refer to the Principal all other enquiries from the public.

Do not provide information to the media about this project. Refer any media enquiries to the RTA Communications Officer at Parkes Regional Office, ph (02) 6861 1444.

15 DISPOSAL OF EXCESS MATERIALS

Arrange suitable locations to spoil excavated material or surplus materials from bridge construction, concrete, steel, rubble and the like. Disposal must be to re-use in other construction sites or to approved landfill areas acceptable to the local Council. Advise the Principal of the location of disposal sites before using them. All fees and other costs associated with the disposal of excess materials must be borne by you.

16 SCHEDULE OF DRAWINGS

The Drawings which form part of this Contract are:-

Bridgeworks Drawings - Registered No. 0377 072 BC 0523 comprising 14 sheets

Drainage Detail of Bridge Abutments - 1 sheet

Details of Information Board – 1 sheet

17 CHANGES TO QA MODEL SPECIFICATIONS

The following QA model specifications have been amended for this project:

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|---------------|--------------|------------------|
| G2-C2 Clause: | 17 | Annexure G2-C2/A |
| G22 Clause: | Annex G22/A | |
| G36 Clause: | 6.3 | Annexure G36/A |
| Q6 Clause: | Annexure Q/A | |