



GOVERNMENT OF BERMUDA

Ministry of Public Works

Department of Works and Engineering

June 9, 2023

Dear Proponents,

Ref: 44-28-75-04M Swing Bridge Detailed Design Independent Check

This Addendum #2 contains (8) pages including this front page.

PART 1 Notes on Bermuda Government's Procurement Process – 1 page

PART 2 Questions from Proponents and Clarifications – 6 pages

The following addendum supersedes information contained in the RFP to the extent referenced.

This addendum forms part of the RFP documents and will be subject to all of the conditions set out in the contract.

PART 1 – Notes on Bermuda government’s Procurement Process

- Transparency: same information is given to every registered proponent. **Please register your interest by writing to the RFP contact, Mr. Austin Kenny: avkeeny@gov.bm.** Only written individual questions addressed to the RPP contact will be answered. Questions will be answered via addenda. Addendum will be available in the Bermuda Government procurement site. **Registered proponents will be notified when each addenda is published in the Bermuda Government portal.**
- Rectification process: the first step after receiving proponents’ submissions will be to check them for completeness. If any information is found to be missing, the proponent will be contacted and allowed 3 working days (rectification period) to submit the requested information. If the information is not received in a timely manner and the information requested is “mandatory” the bid will have to be disqualified. If the requested missing information is a non-mandatory requirement and is not submitted on time, the bid will be scored without it.
- Bid scoring: Scoring criteria has already been predetermined. Scoring can only be based on documents submitted in the bid. Scoring evaluators cannot add points based on knowledge from an existing professional relationship, except in the case of allocated points for references. Please provide enough information to demonstrate experience, capabilities, and all requested requirements.
- References: A correct phone number for references is requested. In addition to recommendation letters, references will be called and a correct phone number can insure the process is completed on time for scoring. If References are on a different time zone, please note that on your response.
- Local Benefits Form: 30% of every tender total possible score is allocated for local benefits by mandate of the Bermuda Government, regardless of the type of project. International Companies can get some Local Benefit points by providing a safety and health policy, sustainable goods and services policy and environmental policy; as well as been willing to train Bermudians. If an International Company is partnering with a Bermudian Company please provide a statement detailing how the work will be shared by each of the companies and the involvement of Bermudian employees.
- Government will enter negotiations with top ranked proponent.
- Proponents that are not selected for the job will be notified.

PART 2 Questions from proponents and clarifications

1. Q) The Request for Proposals timeline in Section 1.4 states: date of the “Execution of Agreement” as 7th August 2023. Could you clarify whether this is the date for the issue of the contract or is it the anticipated start of works. If the former, then when is the anticipated start of works?

A) The Anticipated Execution of Agreement date is a tentative date for signing the contract. After Submission deadline the bids will undergo an evaluation process after which a consultant would be selected, financial checks would then be performed and a recommendation of award will go to Cabinet for approval. The contract can be signed after that process has taken place. The contractor can then start works any time after satisfying all the preconditions of award. Exact dates of work can be agreed with the selected consultant prior to contract signature. It is preferred that works are completed by mid-March 2024.

2. Q) What is the scope of a Category 3 Independent Check?

A) Document CG-300 -Technical Approval for Highway Structures (formerly BD-2/12), which forms part of the group of standards that comprise the UK Design Manual for Roads and Bridges, specifies the technical approval (TA) procedures for highway structures on motorways, trunk roads or any road.

Based on this document, the Swing Bridge and Longbird Bridge replacement structures are defined as Category 3 Structures (complex), and thus require an Independent Check assessment performed by a third party independent from the Designer. The scope of the check is outlined in sections 1, 2, 2 and 6 of GC300 and further defined in the Request for Proposals document.

3. Q) Based on our experience with bridges of similar form and complexity, we think it prudent that a Category 3 check would include:

- A comprehensive check of the design, design drawings and bar bending schedule, and
- A review of the specifications, constructability aspects, the Mechanical & Electrical performance specification or principles within the M&E AIP, and design reports.

Please clarify that this meets your requirements.

A) In addition to the above mentioned items, the independent check should include a comprehensive detailed check of M&E components. Please see answers to questions below.

4. Q) Is the intention to procure the Swing Bridge mechanical and electrical components on the basis of exemplar designs or fully detailed designs? On the Pre-Bid Conference Call, it was suggested that it was the latter, with a possible exception being the bearings, which are to be procured on the basis of performance specification. However, this was to be confirmed. Please confirm. Will Performance Specifications for M&E Components be provided?

A) The M&E components, with the exception of the bearings, are fully detailed. Associated material and performance specification information will be provided to the selected proponent. The bearings are proprietary components and the bearing schedules are contained on the drawings.

5. Q) We understand the scope of the Cat 3 Check for Mechanical and Electrical aspects is limited to a review of the performance specifications and principles of the AIP, and we assume the Mechanical and Electrical AIP will be provided to the selected proponent. Please clarify that this meets your requirements.

A) The independent check should include a comprehensive detailed check of M&E components. The AIP documents, including Mechanical and Electrical AIP will be provided to **registered** proponents.

6. Q) Does the scope of the Cat 3 Check include review of secondary structures such as the control room, flood defence systems, vehicle restraint system, adjacent retaining walls, and masonry walls? Please clarify.

A) The plant room, retaining walls, revetments, and flood defense wall all form part of the abutments, and are to be included in the review. "Flood defense wall" may sound significant, however it is a fairly minor structure intended to keep water from entering the Swing Bridge plant room door. Vehicle restraint system must also be include in the check. The roundabout realignment, road tie-ins and "bridge control room" (which will be located on a building nearby the bridge) are outside of the scope of the check.

7. Q) We note Annex G includes an '*Appendix 5 - Geotechnical Report - Highway Structure Summary Information*'.
Are the geotechnical parameters in the '*Appendix 5 Summary Information*' to be adopted, or are these to be checked within the scope of the Cat 3 check? If a Cat 3 Check of these parameters is required, we would require the following information to complete a comprehensive check:

- Geotechnical factual report.
- Background and results of any testing and investigations carried out for the derivation of soil parameters.
- A copy of the AGS data
- A copy of the report '*Geotechnical Investigation for Two Bridges in Bermuda Islands: Longbird and St George's Bridge, Final Report, October 2018*'?
- A copy of the report '*Government of Bermuda, MW&E&H, New Crossing, Waters of Castle Harbour/Grotto Bay, Bermuda - Seismic Hazard Study, April 2010*'?

A) The geotechnical parameters shall be independently checked as part of the scope and necessary geotechnical documents will be issued to the successful proponent on award.

8. Q) For the purposes of pricing our bid, we have assumed the geotechnical design was carried out in accordance with the Eurocode European Standards. Please clarify if this is not the case.

A) The geotechnical design has been carried out in accordance with the Eurocode standards as listed in the technical approval schedule contained in the AIP. As mentioned above, AIP documents will be released to registered proponents.

9. Q) The Design Criteria starts mid-section on page 2. Are there pages omitted in error?.

A) The Design criteria included in the RFP's Reference Documents is an extract of the Approval in Principle Documents, which will now be shared with registered proponents.

10. Q) Will you consider sharing the full set of drawings and specifications? From the index contained in "Annex F – Drawings and List of Specifications" of the RFP it appears that details of the superstructure are not included in the set.

A) After consulting with the design engineer, we have decided not to share the full set of drawings and specifications with all proponents. The sample set of documents, which include drawing lists and tables of contents, should be sufficient to appreciate the volume and complexity of the task. Details of the superstructure are included in drawings titled "Deck Layout" and "Deck Reinforcement". A few additional reference documents containing drawings and bar bending schedules will be released with this addendum. Please note that the drawings shared are at a 99% design stage. The full set of drawings and specifications will be provided to the selected proponent upon award.

Note that Bar Bending Schedules for Swing Bridge contain 133 pages. Bar bending Schedules for Longbird Bridge contain 86 pages.

11. Q) Can you please clarify the following statement contained on the "Independent Checking Procedure" Section of Appendix D of the Request for Proposals Document: "The agreement of the AIP or acceptance of the certificates by the TAA does not relieve the Checker of any of their responsibilities including the validity and arithmetical correctness of the calculations, methods and techniques and their translations into design details and drawings, specification clauses or assessed capacities"

A) The Independent Check Team shares some liability with the Design Team over the performance of the design. The Check team is responsible for their own set of calculations, methods and techniques and not the calculations, methods and techniques used by the Design Team. In this project the Technical Approval Authority is the Government of Bermuda, and when the check certificate is accepted at the end of the checking process, the Checker maintains responsibility for their work.

The Checker will be required to certify their independent check in accordance with the wording in CG300 model certificate in Appendix I as described in Section 2; also shown in appendix H of the RFP.

12. Q) What Engineering qualifications are deemed sufficient for purposes of signing the Independent Check Certificate as Team Leader?

A) The proposal states: The Team Leader must be appropriately qualified and competent in relevant fields of engineering related to the work and is to be a Chartered Member of a relevant Institution or suitable equivalent. Some examples of suitable qualifications are:

- Registered as Professional Engineer in the Bermuda Register for Professional Engineers
- Registered as Chartered Engineer (CEng) with the UK Engineering Council
- Licensed Professional Engineer of any state in the United States of America
- Professional Engineer in Canada

13. Q) Will Proponent be responsible for obtaining an immigration permit for the Secondment opportunity for a Bermuda student?

A) In the case that the Bermuda Government has a candidate for a secondment opportunity, the selected proponent will be expected to provide letters of support, sponsorship or other non-financial immigration requirements for which a hiring company is usually responsible. The government of Bermuda will be financially responsible for the permit and permit application process. Ideally, the secondment candidate would work on one or both of the Bermuda bridges, however if this is not possible due to timing of vacations or otherwise, the student may work on a different project.

14. Q) In the footnote to the table on page 1 of Annex B "Independent Check Pricing Form," it is stated that:

"The price shall include, indicate separately, the cost of any work permits, and taxes."

However, on the Pre-Bid Conference Call held 24 May 2023, it was suggested that the Consultant would not bear any financial costs in relation to any government secondees to the Consultant's organisation, including salaries, visas, accommodation, subsistence and travel. Please confirm.

A) The footnote refers to the proponent's price for the work, and to any taxes or work permits required to complete the check. For example, a company based in England would be expected to fulfil its tax obligations in England, and if they were to travel to Bermuda as part of their services, they would be responsible for work permits as necessary.

The potential secondment would be entirely separate from the Annex B pricing form, and the Government of Bermuda would assume all financial costs as noted above.

15. Q) Do International Companies, not based in Bermuda need to obtain a Social Insurance number, Company Registration and Tax Payroll Number to participate as bidders for this project?

Q) With reference to Appendix B “Submission Form,” please confirm the below are not relevant and not required for companies who do not have an office in Bermuda:

- Proponent’s Social Insurance Number issued by the Government of Bermuda;
- Proponent’s Tax Payroll Number issued by the Government of Bermuda;
- Proponent’s Registration Number issued by the Bermuda Registrar of Companies (if incorporated).

A) Companies that are not Bermudian, may write “N/A – International Company” in the spaces corresponding to Social Insurance, Registration number and Tax payroll number in the Submission Form, Appendix B of the Request for Proposals.

16. Q) Is there a breakdown of the technical rating that makes up 45% of the submission score? If so, can clarity on this please be provided?

A) A full breakdown cannot be provided, and the RFP document adequately describes the information we are looking for. More is better here; we are expecting to receive company profiles, statements of experience, resumes of key members of the project team, schedule and resourcing plans etc. Anything that helps to demonstrate understanding, capability, and experience. We can only award points on what is submitted, not from existing knowledge of your company/team or information on your website. References can only be counted if they can be contacted, so please double check phone numbers/emails, and include the time zone of the referee.

17. Q) Is there a breakdown of the local benefits rating that makes up 30% of the submission score? If so, can clarity on this please be provided?

A) A full breakdown cannot be provided, however the scoring is based on responses to the questions on the local benefit form and the potential for a secondment opportunity. Proponents are encouraged to include information about training programs and opportunities offered by the company, even if no Bermudians are currently benefiting from them. If the company has Safety and Health, Sustainability and Environmental policies, please indicate as such and provide copies (they need not be project specific).

18. Q) On RfP page 29, the Local Benefits account for 30% (also confirmed on the Pre-Bid Conference Call held 24 May 2023), whereas Annex E “Local Benefits Form” suggests 40%. Please clarify.

A) 30% is correct. Local Benefits Form Rev01 is included in this Addendum. .

19. Q) Section F, “Rated Criteria,” in Appendix D, “RFP Particulars,” of the RfP, states the following is required:

“a minimum of three (3) references from clients who have obtained goods or services similar to those requested in this RFP from the proponent in the last seven (7) years.”

However, Annex D, “Qualifications and References Form,” requires:

- three contracts completed in the last three (3) years (with contact persons’ details), plus
- three contracts completed in the last five (5) years (without contact persons’ details).

The following table summarises the contradictory information, as far as we have interpreted it:

	RfP, Appendix D, Section F	Annex D	
Min. no. of projects	3	3	3
Time since completion (years)	7	3	5
Client reference required?	Yes	Yes	No

Please clarify which is correct, RfP, Appendix D, Section F – or – Annex D – or – something else.

A) Annex D should be completed as presented. The three referees named in section 4 will be contacted, and points will be awarded based on their positive responses. Proponents are also welcome to include written references from additional referees going back 7 years, which can be used alongside other documents to demonstrate experience and capability. References older than 7 years may also be presented, however they may carry less weight.

20. Q) Can you provide a list of Engineering Firms in Bermuda?

A) Find below a list of local engineering companies and their contact information:

Mason & Associates	kharris@mason.bm
Onsite Engineering Services Ltd.	cburns@onsite.bm
Brunel Ltd.	mkirkos@brunel.bm
Entech Limited	mtavares@entech.bm
Westbrook Engineering Ltd	jmangels@westbrook.bm
Moongate Engineering & Consulting Ltd.	vturner@moongateec.com

This list is presented in no particular order, and not meant as an endorsement or recommendation of any particular company.

END OF PART 2