



NEW DANUBE BRIDGE DESIGN COMPETITION

**ANNOUNCEMENT
2017.**

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1. BASIC DATA OF THE DESIGN COMPETITION

1.1 Purpose of the Design Competition

The objective of the procedure, pursuant to Gov. Resolution No 1372/2016 (VII. 20.) (hereinafter: Gov. Resolution 1372/2016.) on the amount of funds required to make the preparations for certain transportation projects of key importance in Budapest, is to facilitate that the negotiated public procurement procedure for drawing up the planning permission documentation, without prior publication of a Contract Notice as per Gov. Resolution 301/2015 (X. 28.) on Design Competition procedures, is carried out with the winning Applicant.

1.2 The Contracting Entity

KKBK Kiemelt Kormányzati Beruházások Központja Nonprofit Zrt. (KKBK Centre of Key Government Investments Nonprofit Plc.)

Horvát utca 12-26. H-1027 Budapest, Hungary

1.3 The Project Coordinator

ÓBUDA-ÚJLAK Zrt.

Hévízi út 3/A. H-1033 Budapest, Hungary

1.4 Communication

Information will be exchanged between the Applicants and the Contracting Entity through the Design Competition website.

For the Design Competition website, click on the links below:

www.ujdunahid.hu

www.newdanubebridge.com

1.5 Form and nature of the Design Competition

Form of the Design Competition procedure: an invitation and pre-qualification-based, single-round international Design Competition.

Nature of the Design Competition: open in the pre-qualification phase and closed in the design phase.

The quota for potential applicants invited under this Design Competition procedure is 17, 12 of which will be directly invited. If a directly invited app-

licant submits an invalid pre-qualification application or fails to submit a pre-qualification application, other eligible applicants will be invited to reach the quota.

1.6 List of directly invited applicants

- Arhitektura d.o.o. & Ponting d.o.o.
- CÉH Tervező, Beruházó és Fejlesztő Zrt.
- EXPLORATIONS ARCHITECTURE & COWI UK Ltd.
- FŐMTERV Mérnöki Tervező Zrt.
- MARC MIMRAM ARCHITECTURE & ASSOCIES
- Ney & Partners BXL S.A.
- Pont-TERV Mérnöki Tervező és Tanácsadó Zrt.
- Richard Meier & Partners Architects LLP & Buro Happold Consulting Engineers P.C.
- SPECIÁLTERV Építőmérnöki Kft.
- UNITEF-83 MŰSZAKI TERVEZŐ ÉS FEJLESZTŐ ZRT.
- UVATERV Út-, Vasúttervező Zrt.
- Van Berkel en Bos U.N. Studio B.V

1.7 Competition schedule; Milestones

The milestones of the Design Competition are as follows.

Pre-qualification phase:

Commencement of registration for the competition	27.06.2017 9.00 AM (CET)
Submission of pre-qualification documentation	31.07.2017
Announcement of results for the pre-qualification phase	22.08.2017

Design phase:

Commencement of the design phase, invitation of applicants

	23.08.2017
Site visit	to be announced on the website
Deadline for submitting questions	15.09.2017
Deadline to answer questions	29.09.2017
Deadline for the submission of entries	05.01.2018 11:59 PM
Deadline for the arrival of entries	19.01.2018 6:00 PM

Announcement of results**08.03.2018**

For the schedule of the Design Competition and additional deadlines, see the Design Competition website. All hours specified by the Contracting Entity refer to Central European Time (CET).

1.8 Conditions of participation

The Design Competition is open to natural persons, incorporated entities or organisations that are legally capable entities in their respective jurisdiction (hereinafter: 'Applicants'), that meet the technical conditions of the pre-qualification procedure.

1.9 Members and activities of the Evaluation Committee

		Name/Position
1	Chairman	Dr. Balázs Fürjes, Government Commissioner for Major Budapest Developments
2	Co-Chair	Etelka Barsiné Pataky, Hungarian Chamber of Engineers
3	Member	Dr. Róbert Homolya, Minister of State for Transport Policy, Ministry of National Development
4	Member	Erika Miklósa, opera singer, winner of the Kossuth Prize, the Liszt Ferenc Prize, and the Prima Primmissima Prize
5	Member	Michel Virlogeux, Michel Virlogeux Consultant Sarl
6	Member	Dr. Kálmán Dabóczi, CEO, BKK Centre for Budapest Transport
7	Member	Dr. Yozo Fujino, Professor, Yokohama National University
8	Member	Judit Z. Halmágyi, DLA in Architecture, designer, urban development specialist, ZHJ Architects
9	Member	Dr. János Józsa, Rector, Budapest University of Engineering and Economics
10	Member	László Benczúr, architect, winner of the Ybl Prize and the Prima Primmissima Prize, delegated by the Hungarian Chamber of Architects
11	Member	Dr. Aarne Jutila, member of the Executive Committee, IABSE

		Name/Position
12	Member	Dr. László Dunai, Dean, Faculty of Civil Engineering, Budapest University of Engineering and Economics
13	Member	Dr. Dénes Dalmy, bridge design engineering, Budapest University of Engineering and Economics
14	Member	Dr. Ernő Biczók, Professor, geotechnical engineering, Leibniz University of Hannover
15	Member	György Fekete, Chair of the Hungarian Academy of Art
0	Alternate Member	Dr. Domokos Schneller, Director-General for Strategy, KKBK Nonprofit Zrt.
0	Alternate Member	Dr. József Lapos, Professor, structural engineering, Slovak University of Technology

1.10 Remuneration and prizes

Reward for invitation: €40,000 / Applicant

Prizes for entries:

1st prize	€90,000
2nd prize	€50,000
3rd prize	€30,000
Purchase (3 entries)	€20,000 / purchase

Total budget available for rewards

(Including rewards for invitations and entries): €910,000

1.11 Legislation governing the Design Competition

The Design Competition will be conducted according to the order of the following legislation.

- The applicable Hungarian legislation – Act CXLIII of 2015 on public procurement and Government Decree No 310/2015 (X. 28.) laying down the rules governing Design Competition procedures (for the English versions, click the following link: <http://www.kozbeszerzes.hu/nyelvi-verziok/hungarian-act-on-public-procurement/>)
- IABSE Guidelines for Design Competitions for Bridges
- This Design Competition Brief

1.12 Language of the competition

English language shall be the official language of the Design Competition, including the pre-qualification and the Design Competition documentation issued, the questions and answers and each part of the design proposal (entry) to be submitted.

Certain documents of the Design Competition will also be available in Hungarian for information purposes only.

2 SYSTEM OF RULES FOR COMPETITION PHASES

2.1 Pre-qualification phase

2.1.1 Professional and technical content requirements

2.1.1.1 References

Overall, an Applicant shall have at least a single reference that meets the following conditions:

- the design of a new bridge over a river, of a minimum length of 250 m, a minimum span of 70 m and a minimum width of 20 m,
- completed after 1 January 2002 with a successful technical delivery/acceptance procedure or completed at least up to

the phase of the planning permission. Any submitted reference will be accepted by the Contracting Entity if the applicant designer was creatively involved in its design.

2.1.1.2 Personal and human resource conditions

The following minimum requirements are set out for the experts involved:

- | | |
|--------------------------------------|--------|
| • 1 bridge structure designer; | Th-T-* |
| • 1 load-bearing structure designer; | T-T |
| • 1 architect designer; | É |
| • 1 transport engineer designer; | KÖ-T |
| • 1 geotechnical designer. | GT-T |

** Designer authorisations issued by the Hungarian Chamber of Engineers and the Hungarian Chamber of Architects*

The designers shall be officially authorised to operate as designers in their home country or in the country where they operate.

2.2 Design phase

2.2.1 Ranking criteria

Pre-qualification applications meeting the technical criteria (i.e. valid pre-qualification applications) will be ranked by the Contracting Entity based on the following criteria:

1. Number of submitted reference projects meeting the requirements
2. Of the references submitted under point 1, the number of references with a minimum span of 200 m
3. Number of bridges of a minimum length of 250 m and a minimum span of 70 m, with a fixed-track mode of transport
4. Of the references submitted under point 1, the number of references including an innovative solution or a special structural design and offering a spatial impression for the community with an architectural value
5. Number of professional prizes awarded in the context of the submitted

references meeting the requirements

6. Number of professional recognitions and prizes of the experts listed under the technical Design phase

2.2.2 Site visit

Prior to the beginning of the design phase, a site visit will be organised by the Contracting Entity. The date and time, the location and further details concerning the site visit will be published on the website at a later date.

2.2.3 Questions and answers

Following their invitation to the design phase, Applicants invited to the design phase may submit their questions regarding the Brief and the Design Competition to the Contracting Entity on the Design Competition website by the date specified in Chapter 1.7.

The questions submitted in due time will be answered by the Contracting Entity by the date specified in Chapter 1.7, publishing all questions and answers on the website. Following that date, the answers to the questions will be part of the documentation.

2.2.4 Technical content requirements in the design phase

2.2.4.1 Design sheets

At least six, maximum eight design sheets in A1 format shall be submitted under the Design Competition.

- Summary site plan M=1:1000
- Traffic technology M=1:2000
- Longitudinal section M=1:1000
- Horizontal plan detail M=1:200 or M=1:500
- Cross-section, part-sectioned views M=1:100 or 1:200
- Sight detail M=1:200
- Visual designs/Computer Generated Images
- Explanatory diagrams and infographics

2.2.4.2 Technical specifications

A maximum total of 25 technical specifications and tables in an A4 format may be submitted under the Design Competition.

2.2.5 Formal requirements in the design phase

See in detail in the Competition Brief.

2.2.6 Submitting process of entries (design proposals)

See in detail in the Competition Brief.

2.2.7 Confidentiality

The Design Competition shall be confidential after the pre-qualification phase.

2.2.8 Evaluation criteria

The Evaluation Committee (EC) will evaluate the submitted application works based on the following six criteria groups.

2.2.8.1 Aesthetics

The EC will positively assess:

- A good architectonic effect, adequate mass proportions and townscape appearance of the structure;
- The individual appearance, character of the structure;
- The space experience of bridge users through the visual connection to the city;
- The formation of a pedestrian-cycling space experience, a lookout point or other community areas.

2.2.8.2 Innovation

The EC will appraise positively:

- The planning of a bridge structure not yet used in Budapest;
- The use of innovative construction materials with low environmental impact and energy consumption;
- The use of innovative construction technology.

2.2.8.3 Structural efficiency

The EC will appraise positively:

- Structural slenderness and the efficient pairing of the materials used and static conditions

2.2.8.4 Feasibility

The EC will appraise positively:

- The entire plan and its architectural, technical level should ensure feasibility, and provide the opportunity for selecting the designer of the bridge, and guarantee the Contracting Entity that the bridge plans can be produced in the required quality.

2.2.8.5 Maintainability, operation

The EC will appraise positively:

- The application strives to achieve energy and resource efficiency in the course of the operation and maintenance of the bridge.

2.2.8.6 Costs, economic aspects

The EC will appraise assess:

- Beyond the innovative and imaginative construction, the planned bridge is designed with cost-efficient structural solutions and materials.
- Economic land use
- The application includes the method of ensuring low operation costs for the bridge and its environment.

2.3 Steps following the submission

2.3.1 Announcement of results

The results shall be announced upon the closing of the planning phase. The invitation rewards shall be paid by the Contracting Entity at the time of announcing the results.

2.3.2 Negotiated procedure

Following the Design Competition a negotiated procurement procedure without prior publication shall be held in Hungarian language with the winner of the competition, in line with the Hungarian planning practices and the fee calculation standards recommended by the Chamber of Hungarian Engineers, and in compliance with the Hungarian law, the subject of which is the preparation of the plans of the relevant structure in compliance with the planned project schedule. The procurement procedure applies to the general planning up to the planning permission documentation.

The plans shall be delivered in Hungarian language in compliance with the Hungarian planning procedure regulations. Foreign planners are advised to cooperate with a Hungarian partner office.