

SENIOR > TASK

Competitors in the SENIOR Section can be 3rd, 4th year and master students at a university in the AEC field (architecture - master is equivalent to the 5th and 6th year, engineering, construction).

Competitors must respect calendar dates, procedures and registrations. All Phase 1 entries must be received by July 2nd, 12:00pm EEST.

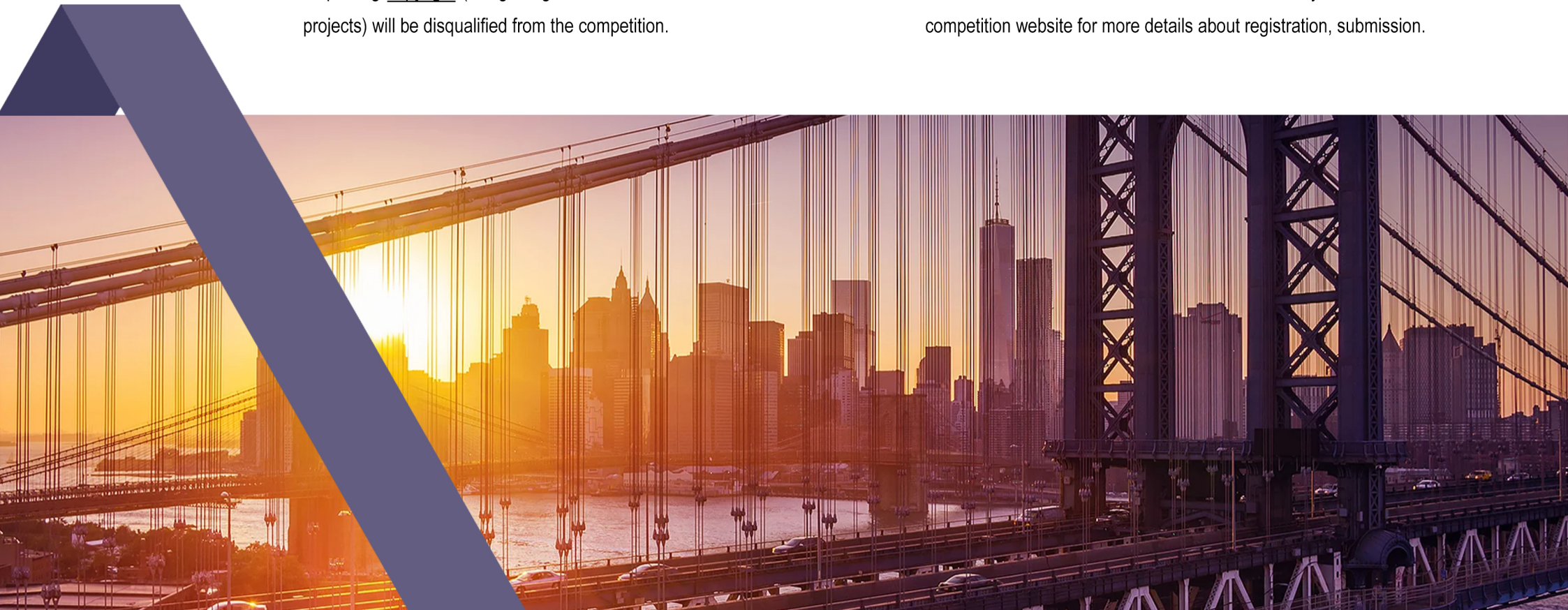
The project must be submitted in a PDF format (upload directly on the competition site) and in Allplan format (zip+inf - upload to Dropbox, Google Drive, wetransfer or a similar service and send us the link* in the Submit your Project form). Competitors will use the layout and label provided by the organizer which can be downloaded on the competition website.

All the submitted material must belong to the participant. Competitors not respecting copyright (using images, texts or drawn elements from other projects) will be disqualified from the competition.

Each entry in the section SENIORS - Infrastructure Road Design will consist of two vertical layouts which will include the following:

- A brief description of the project (max. 500 words)
- Site plan (scale 1:1000)
- Template cross section (scale 1:100)
- 5 cross sections of your choice (scale 1:100)
- Longitudinal section (scale 1:100, 1:1000)
- Renders (at least 2 different images)
- Relevant bills of quantities (reports)

Additional information is welcome but not mandatory. See RULES on the competition website for more details about registration, submission.



EVALUATION CRITERIA

- integration of the road model in the chosen site <
- the assurance of the overall visibility on the road <
- the correctness and aesthetics of the plans <
- the quality and the level of detail of <
- the presentation layouts

INFRASTRUCTURE ROAD DESIGN

Create the 3D model of a road sector with at least one curve and one clothoid, extrawidth and superelevation.

BIM CRITERIA

The model should include:

- the digital terrain model of the site (DTM);
- the correct geometrical rendering of the road in a plan view;
- fixing the red line (axis of the road) in a longitudinal section;
- the site plan;
- the long section of the road;
- cross sections;
- slope diagram;
- speed diagram;
- 3D surrounding elements (3D models from external libraries are allowed);
- lists and volumes (reports);
- renders.

