

I. IDENTIFICATION DATA

Thesis title:	Design of a cable-stayed bridge over Vltava River in Prague with respect to construction stages
Author's name:	Bc. Yazan Amri
Type of thesis :	master
Faculty/Institute:	Faculty of Civil Engineering (FCE)
Department:	Concrete and Masonry Structures
Thesis reviewer:	Ing. Michal Drahorád, Ph.D.
Reviewer's department:	Concrete and Masonry Structures

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	extraordinarily challenging
<i>How demanding was the assigned project?</i>	
Cable-stayed bridge design is extremely challenging topic requiring special approaches and knowledge beyond the regular scope and content of study.	

Fulfilment of assignment	fulfilled
<i>How well does the thesis fulfil the assigned task? Have the primary goals been achieved? Which assigned tasks have been incompletely covered, and which parts of the thesis are overextended? Justify your answer.</i>	
The submitted thesis fully meets the requirements specified in its assignment.	

Activity and independence when creating final thesis	C - good.
<i>Assess whether the student had a positive approach, whether the time limits were met, whether the conception was regularly consulted and whether the student was well prepared for the consultations. Assess the student's ability to work independently.</i>	
Student worked independently, regular meetings were held. Student showed the appropriate ability to work independently and use all knowledge and experiences gained through the study.	

Technical level	C - good.
<i>Is the thesis technically sound? How well did the student employ expertise in his/her field of study? Does the student explain clearly what he/she has done?</i>	
Theoretical part of the thesis is an integral part of the thesis with no clear border. Design of bridge basic principles and articulation is not shown in detail and explained. Practical part of the thesis is relatively clear and straight showing all important design steps and approaches, including construction sequence and its effect on the structural design. Only LRT traffic loads are used for structural design without any lorries or buses, design of anchoring details of stayed-cables or detailing of pylon are not provided. On the other hand it shall be noted that the detail design of crossbeams and the deck are provided.	

Formal level and language level, scope of thesis	B - very good.
<i>Are formalisms and notations used properly? Is the thesis organized in a logical way? Is the thesis sufficiently extensive? Is the thesis well-presented? Is the language clear and understandable? Is the English satisfactory?</i>	
From a formal point of view, the work is at an appropriate level and organize logically. The extension of work is appropriate to the thesis topic, English is on a satisfactory level.	

Selection of sources, citation correctness**C - good.**

Does the thesis make adequate reference to earlier work on the topic? Was the selection of sources adequate? Is the student's original work clearly distinguished from earlier work in the field? Do the bibliographic citations meet the standards?

The choice of resources corresponds to the scope and type of work. Resources are listed in detail and formally correctly, including a corresponding list at the end of the work.

Additional commentary and evaluation (optional)

Comment on the overall quality of the thesis, its novelty and its impact on the field, its strengths and weaknesses, the utility of the solution that is presented, the theoretical/formal level, the student's skillfulness, etc.

N/A

III. OVERALL EVALUATION, QUESTIONS FOR THE PRESENTATION AND DEFENSE OF THE THESIS, SUGGESTED GRADE

Summarize your opinion on the thesis and explain your final grading.

The submitted thesis is on appropriate level and demonstrates good knowledge level of student.

The grade that I award for the thesis is **C - good**.

Date: **24.1.2022**

Signature: Ing. Michal Drahorád, Ph.D.