



ČESKÉ VYSOKÉ UČENÍ TECHNICKÉ

Faculty of Civil Engineering  
Department of Steel and Timber Structures

Thákurova 7, 166 29 Prague 6

Czech Republic

**THESIS SUPERVISOR EVALUATION**

Name: Lemma Melaku Seyoum  
Thesis title: Vliv koleje a kolejového lože na dynamické chování ocelového mostu malého rozpětí  
The impact of the ballast and track interaction on the dynamic behaviour of a short span steel bridge  
Thesis supervisor: doc. Ing. Pavel Ryjáček, Ph.D

A) The achievement of the thesis aim: The aim of the master thesis was fulfilled

B) Quality of research: The overall research quality is very good.

C) Completeness of the thesis: The theses is complete, the aim was fulfilled.

D) Formal quality: The theses is formally written very well.

E) Comments:

The thesis is focused on the topic of the interaction between the small span bridge and the track. The main aim is to discover the impact of the ballast stiffness on the dynamic behaviour of the bridge, based on the load test results.

The student was working hard on the thesis during the autumn. The work was regularly consulted and student showed ability to work independently and use his own ideas. He proved the skills in the advanced numerical modelling. Generally, I consider the thesis to be on a very high level.

Final grade: **A – EXCELLENT**

In Prague 10.1.2017

doc. Ing. Pavel Ryjáček, Ph.D.

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