



## Conspectus of Bridge Criticism

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### Abstract

The study on bridge criticism is an interdisciplinary research of the theory of bridge engineering, architectural criticism, art criticism and bridge aesthetics. It is an important part of design theory of bridges. Generally speaking, bridge criticism is the identification and evaluation of creative thoughts of bridges, the design of bridges, the process of bridge construction and service, and the social individual and public using of bridges. This research focuses on the forming process, operating model, characteristics and value of bridge criticism. The main research contents include axiology, subjectivity theory, semiotics and methodology of bridge criticism. Based on theories of bridge criticism, this paper comes up with an evaluation method of urban bridges.

**Keywords:** bridge criticism; evaluation method; bridge value; bridge sign

### 1 Introduction

The study on bridge criticism is an interdisciplinary research of the theory of bridge engineering, architectural criticism, art criticism and bridge aesthetics. Bridge criticism is the description, interpretation, evaluation and assessment of creative thoughts of bridges, the design of bridges, the process of bridge construction and service, and the people who use bridges. The study on bridge criticism explores the essence, content and method of bridge criticism. Bridge criticism is an important part of the design theory and engineering education of bridges.

Bridge criticism is a process of social production and open practical activities. Shiling Zhen thinks that architectural criticism mainly focuses on the critique of contemporary architecture and its judgment of value system and the social reality to evaluate the development of contemporary architecture [1]. From the same viewpoint, the

author believes that bridge criticism should also focuses on the critique of contemporary bridges.

This research focuses on the forming process, operating model, characteristics and value of bridge criticism. The main research contents include the theory of axiology, subjectivity theory, semiotics and methodology of bridge criticism. Based on the theories of bridge criticism, this paper comes up with an evaluation method of urban bridges.

### 2 Axiology of bridge criticism

One of the primary missions of bridge criticism is to evaluate and judge the objects (bridges, bridge designers, etc.) of bridge criticism and to find their value and significance. Therefore, axiology is one of the theoretical basis and the core content of bridge criticism.