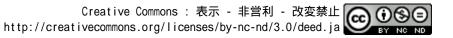
## 既設道路橋の実態調査と耐用性診断法の研究

著者	小堀 爲雄
著者別表示	Kobori Tameo
雑誌名	昭和62(1987)年度 科学研究費補助金 一般研究(C) 研究成果報告書概要
巻	1985 1987
ページ	2p.
発行年	1989-03-29
URL	http://doi.org/10.24517/00067938



## 1987 Fiscal Year Final Research Report Summary

# Study on the Actual Condition Research and Serviceability Evaluation of Existing Bridges

**Research Project** 

Project/Area Number
60550316
Research Category
Grant-in-Aid for General Scientific Research (C)
Allocation Type
Single-year Grants
Research Field
土木構造
Research Institution
KANAZAWA UNIVERSITY
Principal Investigator
KOBORI Tameo KANAZAWA UNIVERSITY, 工学部, 教授 (20019714)
Co-Investigator(Kenkyū-buntansha)
CHIKATA Yasuo KANAZAWA UNIVERSITY, 工学部, 助手 (50155298)
Project Period (FY)
1985 – 1987
Keywords

Bridge test / Serviceability / Maintenance / 点検診断 / 維持管理 / 耐荷性診断

#### **Research Abstract**

In this study, concepts of the serviceability evaluation of an existing bridge were investigated. And the evaluation method of the load resistance capacity of an existing bridge which was one of the significant indices of the serviceability evaluation was investigated. This study consists of three main parts as followings.

(1) Firstly, the literature research on the serviceability evaluation of existing bridges was made, and the fundamental concepts of the serviceability evaluation were established. Those concepts contain the life cycle and life time evaluation of existing bridges.

(2) Secondly, the method of testing an existing bridge for evaluating the serviceability and the procedure of analyzing the results of the test were investigated. Some examples about existing bridges of the test such as the static and dynamic loading tests and the out-looking inestigations, were shown.

Throughout this study, the evaluation of the load resistance capacity was deeply investigated as one of the significant indices, and new graphicl judge procedure of the load resistance capacity of an existing bridge was proposed as a result.

(3) Finally, desired further studies were lisred such as the global serviceability evaluation and the local one. And a sample flow chart of the serviceability evaluation process of existing bridges was presented.

### Research Products (8 results)

				All	Other
	All	Pu	blicatio	ons (8 r	esults)
[Publications] 小堀為雄,城戸隆良,近田康夫,本田秀行: 橋梁と基礎. 19. 35-40 (1985)					~
[Publications] 小堀為雄,近田康夫,城戸隆良,浅井豊弘: 金沢大学工学部紀要. 18. 1-9 (1985)					~
[Publications] 小堀為雄,城戸隆良,近田康夫: 金沢大学工学部紀要. 19. 83-91 (1986)					~
[Publications] 小堀為雄,城戸隆良,近田康夫: 金沢大学工学部紀要. 20. 103-110 (1987)					~
[Publications] Tameo KOBORI: "Case Study on the Bridge Test of a RC Cantilever Bridge" The Bridge and Foundation Engineering. 19. 35-40 (1985)					~
[Publications] Tameo KOBORI: "Dynamic Response of the Isotropic Slab Bridge under Traffic Jam" Memoirs of the Faculty of Technology , Kanazawa University. 18. 1-9 (1985)					~
[Publications] Tameo KOBORI: "Study on the Integrity Evaluation of Existing Bridges" Memoirs of the Faculty of Technology, Kanazawa University. 19. (1986)				9. 83-9	91 🗸
[Publications] Tameo KOBORI: "Dynamic Response Investigations of Girder Bridges under Actual Traffic Flow" Memoirs of the Facul Kanazawa University. 20. 103-110 (1987)	ty of <sup>-</sup>	Tech	inology	,	~

URL: https://kaken.nii.ac.jp/report/KAKENHI-PROJECT-60550316/605503161987kenkyu\_seika\_hokoku\_

Published: 1989-03-29