

土木學會誌

第 48 卷 第 5 号

昭和 38 年 5 月

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SYNOPOSES

BUDGET OF INVESTMENT IN PUBLIC WORKS

BY J. KANO (Page 6)

When mentioning the budget of investment in public works the author describes the conception of the investment in public works which he has had in his mind from the economics standpoint and also the budget system in Japan, the investment in public works and the balance between the investment in public works and the investment in industry, etc.

PROBLEMATICAL POINT OF INVESTMENT IN PUBLIC WORKS IN THE FISCAL YEAR 1963

BY K. MAEDA (Page 14)

In the present paper the public construction enterprises such as the construction of highway and harbour, geological improvement and flood control are discussed from the standpoint of the administrative investment the transition of the actual results of investment in these enterprises in connection with their respective plans is viewed and the effect of the investment in construction work on other industries and the certain problems we are facing are also described.

HEAVY SNOWFALL IN HOKURIKU DISTRICT, JANUARY 1963

The heavy snowfall that attacked the Japan Sea side of Japan in January, 1963 affected Sanin, Hoakuriku, Joshinetsu districts, resulting in a serious blow socially as well as economically such as paralysis of various industries in addition to the loss of human lives, disruption of traffic-both railway and highway, collapse of houses, damage to agricultural and forestry business.

The present paper consists of the following items, describing the outline of the heavy snowfall and the countermeasure in future.

- The present aspect of study on the countermeasure against snow damage. *(Page 29)*
- Heavy snowfall in January, 1963 and the future countermeasure—clearing road of snow— *(Page 34)*
- General description of Construction and Maintenance Department of self-defense Force and the dispatching of the members to the scene of disaster. *(Page 39)*
- The present status of snow removing machinery and their allocation in Japanese National Railways. *(Page 44)*
- General description of the railway in Toyama area and the countermeasure for snow removal. *(Page 50)*
- Struggling with heavy snowfall. *(Page 52)*

ON THE LEAKAGE INVESTIGATION FOR THE YODO RIVER BANK

BY DR. ENG. K. AKAI, C.E. MEMBER

AND Y. INADA, C.E. MEMBER (Page 64)

The present paper describes the result of investigations on the leakage problem of the bank of the Yodo in order to obtain the actual figure of flood disasters along the bank and to secure the fundamental data for establishing a consistent protection against them. Some of the experimental studies are also treated, which have been performed to evaluate the execution effect of the protective works on a model region along the Kizu-Branch.

It is found out from this investigation that the design of a sandy bank on the permeable foundation encountered at such a site should be considered against the steady seepage through the bank; we cannot expect any factor of safety for the decrease of leakage and the stability of embankment due to the non-steady motion of seepage flow.