

A Case of Utilizing Results

Maintenance of technical standards in collaboration with practicing engineer and researchers

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1, Revision and maintenance of technical standards for river works: Practical guidelines for methods of investigation

For the first time in 15 years since 1997, water and disaster management bureau, Ministry of Land, Infrastructure, Transport and Tourism has revised technical standards for river works: practical guidelines for methods of investigation (Hereinafter called Investigation guideline), which has been used as a practical guideline for river administration¹⁾. Technical standards for river works consist of four practical guidelines for planning, design, maintenance and methods of investigation mentioned above. Investigation guideline specifies methods of investigation to make a proper implementation of plan, design and maintenance in the field of river, erosion control, landslide, steep slope, avalanche and coast, and these methods reflect current state of art,

NILIM has listed as one of the mission of drafting technical standards, and is also involved in the special approval system of ministers and revision of practical guidelines for plans, design and maintenance. Many researchers have developed such as a method for daily technical research concerning river works. In the future, in addition to surveys and collection related information, we will work on

a regular basis to keep track of the latest research methods, technical knowledge and problems by listening to the opinions of scholars and other people related. And we have decided to carry out maintenance tasks as appropriate to review the contents of the investigation guideline. In the following, on revision of investigation guideline, we introduce the ingenuity added to technical standards and the efforts of NILIM to keep maintenance of the guideline.

2, Devising technical criteria development

In the revision of the investigation guideline, we have classified each item <concept>, <mandatory>, <standard>, <recommend> and <examples>. By clarifying the position on the application, we have described <recommend> and <examples> as investigation techniques which could not be applied to the standard in terms of performance and range of use. Thus, we have created for a variety of users to know easily the latest findings. Additionally, we described notifications related, guidance, and manuals etc., as <related notifications>, and described as <reference materials> which can be used when you adopt the techniques <recommended> and <example>. Thus, we devised to make it easier to ensure that the latest knowledge is being used.

Moreover, we have ceased publication with the

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print and distributed the investigation guideline via the Internet as an electronic file editing. Consequently revision process can now be carried out smoothly..

3, Efforts of NILIM for the maintenance of technical standards

To implement continuous efforts to revise the technical standards, we clarify the structure of the contact point and discussion of each chapter and section. And we have decided to respond quickly to issues that have been obtained through exchanging the opinions to universities and the certain field. Under the framework of this review, we put the focus on the thing that we get the users to understand the point of the revision with the water and disaster management bureau, and have been conducting conference presentations, published in professional journals, and briefings in each region to inform the revisions as presentation activities. We held a briefing session at the 9 places at each region in Japan, and researchers (the contact person above) mainly explained the point of the revised every chapter and verse. Total of about 1,400 people took part in the nation and we got several valuable feedbacks for improvement of investigation guideline. We have set up a “form accepting comments and suggestions” on the website¹⁾. And we are continuously looking for comments and suggestions, including proposals for research methods and analysis techniques, the basic idea of research and analysis for improving investigation guideline.

We would like to ask the proposal, improvements and aggressive feedbacks from the user of investigation guideline, developers of survey technology and researchers at the University through the website.

【Reference】

1) Technical standards for river works: Practical guidelines for methods of investigation, June FY2012

http://www.mlit.go.jp/river/shishin_guideline/gijutsu/gijutsukijunn/chousa/index.html