

عنوان مقاله:

DESIGN PROCESS FOR RIVER BED STABILIZER STRUCTURE

محل انتشار:

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نویسندگان:

M.T. Mansourikia - *MSc. of soil & foundation, Manager of Struct. & Hyd. Dep. Of KWPA*

M. Anbarizadeh - *MSc. of hydraulic Structures, Senior Eng. of struct. & Hyd. Dep. Of KWPA*

خلاصه مقاله:

In many cases for constructing intakes, stabilization of river bed is necessary. In an erodable river bed, unsatisfied minimum water surface level will cause problems in the suction part of the pump station. Due to lack of special references or manuals for design of such structures, a new primary practical standard has been developed based on analysis of the effective forces. The considered forces are the dead, hydrostatic and hydrodynamic loads. In the steps of analysis Hydraulic conditions for flow on the crest of the structure is considered. Finally, some fundamental recommendations have been introduced for a practical manual, which could be used in designing a bed river stabilizer (wall) (RBS).

کلمات کلیدی:

River bed stabilizing, stabilizer structures, design analysis, safety factor

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