

ntain proper operation of culverts and bridges during storm events. Improper management increases the likelihood of blockage of the opening, which can lead to flooding of adjacent areas, undermining of ...

In bridge wind tunnel experiments, a large test model is often preferred to accurately capture the detailed structural features of the model's surface. However, excessively large test ...

Drift accumulations and blockages at river bridges are a widespread problem, possibly leading to their total destruction. Although drift is a major threat, limited knowledge is currently available on the ...

An ARI neutral, simplified procedure for estimating the debris potential at a site, reflecting these factors is presented together with an ARI neutral simplified procedure for estimating blockage ...

Abstract and Figures The local scour depth at bridge supports due to partial blockage on front of multi-vents bridge pier is studied experimentally and numerically.

On this basis, this article presented a parametric optimization formula based on blockage ratio and Froude number to estimate afflux of rectangle bridge piers with relatively low blockage ratios on plan ...

Blockage of cross-drainage hydraulic structures is a significant concern in water resources and civil engineering projects, particularly in urban areas experiencing increased debris supply.

ABSTRACT nections and horizontal shear connector block-outs for full-depth precast concrete bridge deck panels. The connections were signed for a deck replacement project for a rural three-span ...

If the opening under a bridge is too small or is blocked, the bridge can flood, damaging the bridge deck, railings and trusses. Increasing the amount of water that can pass through a bridge opening or ...

In the present paper, the effects of relative width and height of partial blockage at front of bridge pier on scour characteristics around the neighboring bridge supports were studied ...

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