IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 6, April 2023

Planning of Bridge Over Hiranykesh River

Vaishnav Patil¹, Satish Redekar², Shivaraj Khapare³, Shubham Kumar⁴, S. B. Patil⁵,

Students, Department of Civil Engineering^{1,2,3,4} Lecturer, Department of Civil Engineering⁵ Sant Gajanan Maharaj Rural Polytechnic, Mahagaon, Kolhapur, Maharashtra, India

Abstract: The process of planning is carried out to overcome the problems like flood, traffic congestion and for safe movement of vehicles during flood sections. And also one major thing that the present bridge was constructed in the British era so the life of the come finish. Planning of bridge involves so many things like traffic survey to determine the road width for the present traffic flow, flood survey to determine the height of the bridge and rainfall data to determine the future flood lift.

Keywords: Flood, Hiranykeshi river, Traffic volume study, Bridge

VII. REFERENCES

- Standard specification and code practice for road bridge, Published by the Indian Road Congress (IRC 21-2000).
- [2] Japan international cooperation Agency Grant Aid Management Department, has published Basic design study report on Bridge construction in Jan 2005.
- [3] Design of reinforced concrete bridge, published by university of Toronto steel reinforcement.
- [4] Fisheye Adebwal Oldimieji Master of science thesis Stockholm Sweden, 2012.
- [5] Lauretta luck, debar Jackson, Kim usher published on 15 may 2006.

