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#VillageRoadBridge(VRB) Design

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28 July 2021 ·

#VillageRoadBridge(VRB) Design

Data Assumed:
Bed width = 0.8 m
Water depth = 0.4 m
Side slope 1 in n = 0

VRB is a small bridge above irrigation canal (here) constructed in village road.
Slab VRB is shown here.
In VRB, clear span is taken on the basis of location.

#Irrigation

#AgriculturalEngineering

#InspireAgricultureInspireTheWorld

Credit: Rashmee Gyawali

ie Road Bridge(VRB)

Assumed Values

Calculations:

2xnxid =

ovable load as =

istributed load as =

rade concrete with high yield deformed bar

Poc =

8 mm dia bar @ 250 mm c/c

200

800

10 mm dia bar @ 250 mm c/c

12 mm dia bar @ 150 mm c/c

Section of Village Road Bridge

16°C Clear

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ENG IN

5:16 AM 1/26/2026