

ID :438 Jhajra Bridge _ _ _ _ _

on Chainage 0.150 of Vidyamata Rajrani road (Jhajra to ThakurPur)

In District Dehradun Under CD Dehradun Division

Bridge Inventory Report

Division: CD Dehradun

Data not-yet finalized

General

Name of Division : 54

Revenue Block Name : 31

Chainage (at Mid Point) : 0.150

Road/ Segment Name : 875

Bridge Type : Motor Bridge High Level

Structure No : 5/1

Feature Intersected : Tons River

Name of Bridge : Jhajra Bridge

Nearest Town : Jhajra

Latitude (Northing) : 30.34027778

Longitude (Easting) : 77.91944444

Construction Year : 2011

Inventory Year : 2021

Geometric

Overall length (in meter) : 275.00

Total No of Span : 11

Maximum Span (in meter) : 25.00

Span Arrangement : 11x25

No of Lane : 2.000

Overall Width (m) : 11.500

Carriageway Width (m) : 7.500

RS Footpath Width (m) : 1.600

LS Footpath Width (m) : 1.600

Approach Width i/c Shoulders (m) : 11.500

Gradient (%age) : 3

Skew Angle (degree) : 0.00

Radius of Curve in Plan (if Any) : 0.00

Design Data

HFL Highest Flood Level :

OFL Ordinary Flood Level :

LWL Low Water Level :

Design Velocity (m/Sec) :

Design Discharge (Cumecs) :

Soffit Level at Centre :

Road Level at Centre :

Design Scour Level at Pier :

Design Scour Level at Abutments :

Exposure Condition : Moderate

Seismic Importance factor : 1.0

Design Loading : Class A

Load Rating : Class A

Super-Structure

Superstructure Type : T-beam and slab

Superstructure Material : Reinforced concrete

Wearing Coat Type : Cement Concrete

Expansion Joint Type : Reinforced Elastomeric Joint

Railing/Crash Barrier type : Cast-in-situ concrete

Bearing type : POT PIN

Sub-Structure

Founding Strata : Bouldery

Abutment Foundation Type : Well

Pier Foundation Type : Well

No of Piers : 9

Abutment Type : RCC counterfort type

Pier Type : RCC Solid

Protection Work

Bank Protection Left Side of Up-stream : no protection work provided

Bank Protection Right Side of Up-stream : no protection work provided

Bank Protection Left Side of Down-stream : no protection work provided

Bank Protection Right Side of Down-stream : no protection work provided

Floor Protection on Up-stream : no protection work provided

Floor Protection on Down-stream : no protection work provided

Treatment for Corrosion Protection (if any) : no special treatment provided

final

Name of JE/AAE : Er. Maan Singh

