

ID :2922 Sirwalgarh Bridge _ _ _ _ _

on Chainage 16.000 of From km 16 of Rishikesh Bhaniawala road to Agarwal Bakers via Airport, Thano, Raipur, Pulia Number 6 Fawara Chowk state highway

In District Dehradun Under NHAI Division

Bridge Inventory Report

Division: NHAI

Data not-yet finalized

General

Name of Division : 135

Revenue Block Name : 32

Chainage (at Mid Point) : 16.000

Road/ Segment Name : 60

Bridge Type : Motor Bridge High Level

Structure No : 16/1

Feature Intersected : Sirwal River

Name of Bridge : Sirwalgarh Bridge

Nearest Town : Raipur

Latitude (Northing) : 30.27310550

Longitude (Easting) : 78.14149400

Construction Year : 2018

Inventory Year : 2022

Geometric

Overall length (in meter) : 90.00

Total No of Span : 2

Maximuam Span (in meter) : 45.00

Span Arragment : 2x45.00

No of Lane : 2.000

Overall Width (m) : 9.900

Carriageway Width (m) : 7.500

RS Footpath Width (m) : 0.900

LS Footpath Width (m) : 0.900

Approch Width i/c Shoulders (m) : 9.900

Gradient (%age) : 2

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 : Box girder

Superstructure Material : Reinforced concrete

Wearing Coat Type : Bituminous Concrete

Expansion Joint Type : Single Strip/Box Seal Joint

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

Bearing type : POT PIN

Sub-Structure

Founding Strata : Sandy

Abutment Foundation Type : Well

Pier Foundation Type : Well

No of Piers : 1

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/AEE :

