

ID :721 Sighniwala Bridge _ _ _ _ _

on Chainage 0.300 of Sighniwala Selaqui connecting Road.

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 : 30

Chainage (at Mid Point) : 0.300

Road/ Segment Name : 1143

Bridge Type : Motor Bridge High Level

Structure No : 1/1

Feature Intersected : Aasan River

Name of Bridge : Sighniwala Bridge

Nearest Town : Sighniwala

Latitude (Northing) : 30.33666667

Longitude (Easting) : 77.87111111

Construction Year : 2013

Inventory Year : 2021

Geometric

Overall length (in meter) : 250.00

Total No of Span : 10

Maximum Span (in meter) : 25.00

Span Arrangement : 10x25

No of Lane : 2.000

Overall Width (m) : 10.500

Carriageway Width (m) : 7.500

RS Footpath Width (m) : 1.500

LS Footpath Width (m) : 1.500

Approach Width i/c Shoulders (m) : 10.500

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 : T-beam and slab
Superstructure Material : Reinforced concrete
Wearing Coat Type : Cement Concrete
Expansion Joint Type : Single Strip/Box Seal Joint
Railing/Crash Barrier type : Cast-in-situ concrete
Bearing type : Neoprene
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 : Plum Concrete
Bank Protection Right Side of Up-stream : Plum Concrete
Bank Protection Left Side of Down-stream : Plum Concrete
Bank Protection Right Side of Down-stream : Plum Concrete
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

