

ID :721 Sighniwala Bridge \_ \_ \_ \_ \_

on Chainage 0.300 of Sighniwala Selaqui connecting Road.

In District Dehradun Under CD Dehradun Division

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## 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

