

ID :167 sahiya bridge \_ \_ \_ \_ \_

on Chainage 16.975 of Kalsi Chakarata state highway

In District Dehradun Under TD Sahiya Division

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## Bridge Inventory Report

Division: TD Sahiya

Data not-yet finalized

### General

Name of Division : 56

Revenue Block Name : 29

Chainage (at Mid Point) : 16.975

Road/ Segment Name : 53

Bridge Type : Motor Bridge High Level

Structure No : 17/1

Feature Intersected : Amlawa nadi

Name of Bridge : sahiya bridge

Nearest Town : sahiya

Latitude (Northing) : 30.61260000

Longitude (Easting) : 77.87444000

Construction Year : 2019

Inventory Year : 2020

### Geometric

Overall length (in meter) : 24.00

Total No of Span : 1

Maximum Span (in meter) : 24.00

Span Arrangement : 1x24

No of Lane : 2.000

Overall Width (m) : 8.400

Carriageway Width (m) : 7.500

RS Footpath Width (m) : 1.000

LS Footpath Width (m) : 1.000

Approach Width i/c Shoulders (m) : 8.500

Gradient (%age) : 0

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 AA

Load Rating : Class AA

Super-Structure

Superstructure Type : Solid 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 : POT PIN

Sub-Structure

Founding Strata : Sandy

Abutment Foundation Type : Raft

Pier Foundation Type : NA

No of Piers : 0

Abutment Type : RCC buttressed type

Pier Type : RCC Solid

Protection Work

Bank Protection Left Side of Up-stream : 15 m plum wall

Bank Protection Right Side of Up-stream : 15 m Plum wall

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 : Pankaj Badoni AAE Civil

