

ID :378 santala devi bridge _ _ _ _ _

on Chainage 3.696 of Cantt to Santla Devi Road

In District unknown Under PD Dehradun Division

Bridge Inventory Report

Division: PD Dehradun

Data not-yet finalized

General

Name of Division : 51

Revenue Block Name :

Chainage (at Mid Point) : 3.696

Road/ Segment Name : 1232

Bridge Type : Motor Bridge High Level

Structure No : 4/1

Feature Intersected : Dhobakhala nallah

Name of Bridge : santala devi bridge

Nearest Town : dehradun

Latitude (Northing) : 30.39689600

Longitude (Easting) : 78.02898000

Construction Year :

Inventory Year : 2021

Geometric

Overall length (in meter) : 36.00

Total No of Span : 1

Maximum Span (in meter) : 36.00

Span Arrangement : 1x36.00m

No of Lane : 1.500

Overall Width (m) : 6.700

Carriageway Width (m) : 5.500

RS Footpath Width (m) : 0.600

LS Footpath Width (m) : 0.600

Approach Width i/c Shoulders (m) : 9.100

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 B

Load Rating : Class B

Super-Structure

Superstructure Type : Truss

Superstructure Material : Steel

Wearing Coat Type : Cement Concrete

Expansion Joint Type : Filler

Railing/Crash Barrier type : Tubular steel

Bearing type : Roller & Rocker

Sub-Structure

Founding Strata : Bouldery

Abutment Foundation Type : Open

Pier Foundation Type : NA

No of Piers : 0

Abutment Type : Stone Masonry

Pier Type : NA

Protection Work

Bank Protection Left Side of Up-stream : 24 m.R/W and 27m. Plum concrete provided

Bank Protection Right Side of Up-stream : 24 m.R/W provided

Bank Protection Left Side of Down-stream : 22 m.R/W provided

Bank Protection Right Side of Down-stream : 22 m.R/W 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 :

