

ID :369 karligad bridge _ _ _ _ _

on Chainage 5.900 of Rajpur Kuthalgate state highway

In District Dehradun Under PD Dehradun Division

Bridge Inventory Report

Division: PD Dehradun

Data not-yet finalized

General

Name of Division : 51

Revenue Block Name : 31

Chainage (at Mid Point) : 5.900

Road/ Segment Name : 81

Bridge Type : Motor Bridge High Level

Structure No : 6/1

Feature Intersected : karligad river

Name of Bridge : karligad bridge

Nearest Town : dehradun

Latitude (Northing) : 30.40367500

Longitude (Easting) : 78.08838200

Construction Year : 1970

Inventory Year : 2021

Geometric

Overall length (in meter) : 31.00

Total No of Span : 5

Maximum Span (in meter) : 36.00

Span Arrangement : 1x10+1x36+1x10+1x9.60+1x8

No of Lane : 1.500

Overall Width (m) : 6.600

Carriageway Width (m) : 6.200

RS Footpath Width (m) : 0.000

LS Footpath Width (m) : 0.000

Approach Width i/c Shoulders (m) : 6.600

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 A

Load Rating : Class A

Super-Structure

Superstructure Type : Arch

Superstructure Material : Reinforced concrete

Wearing Coat Type : Bituminous Concrete

Expansion Joint Type : Not Provided

Railing/Crash Barrier type : Pre-cast concrete

Bearing type : Not Provided

Sub-Structure

Founding Strata : Rocky

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 : 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) : plum block in provided

final

Name of JE/AAE : Pradeep Singh Shahi

