

ID :220 ALAKNANDA BRIDGE _ _ _ _ _

on Chainage 0.715 of Gopeshwar Ukhimath Baramwari national highway

In District Chamoli Under NH Rudraprayag Division

Bridge Inventory Report

Division: NH Rudraprayag

Data not-yet finalized

General

Name of Division : 131

Revenue Block Name : 7

Chainage (at Mid Point) : 0.715

Road/ Segment Name : 16

Bridge Type : Motor Bridge High Level

Structure No : 15

Feature Intersected : Alaknanda River

Name of Bridge : ALAKNANDA BRIDGE

Nearest Town : Chamoli

Latitude (Northing) : 30.40363333

Longitude (Easting) : 79.32913056

Construction Year : 2011

Inventory Year : 2021

Geometric

Overall length (in meter) : 69.30

Total No of Span : 1

Maximum Span (in meter) : 69.30

Span Arrangement : 1*68.8

No of Lane : 1.000

Overall Width (m) : 4.500

Carriageway Width (m) : 4.500

RS Footpath Width (m) : 0.000

LS Footpath Width (m) : 0.000

Approach Width i/c Shoulders (m) : 4.500

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 A

Load Rating : Class A

Super-Structure

Superstructure Type : Box girder

Superstructure Material : Steel

Wearing Coat Type : Bituminous Concrete

Expansion Joint Type : Single Strip/Box Seal Joint

Railing/Crash Barrier type : Tubular steel

Bearing type : POT PIN

Sub-Structure

Founding Strata : Rocky

Abutment Foundation Type : Open

Pier Foundation Type : Well

No of Piers : 0

Abutment Type : Stone Masonry

Pier Type : RCC Solid

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) : no special treatment provided

final

Name of JE/AAE :

