

ID :75 Nihal Bridge _ _ _ _ _

on Chainage 3.720 of Chandikhet Aashram devta Kundidhar road

In District Nainital Under PD Nainital Division

Bridge Inventory Report

Division: PD Nainital

Data not-yet finalized

General

Name of Division : 9

Revenue Block Name : 78

Chainage (at Mid Point) : 3.720

Road/ Segment Name : 3024

Bridge Type : Motor Bridge High Level

Structure No : 4/1

Feature Intersected : Nihal Gadhera

Name of Bridge : Nihal Bridge

Nearest Town : Nainital

Latitude (Northing) : 29.37072200

Longitude (Easting) : 79.44413900

Construction Year : 2016

Inventory Year : 2021

Geometric

Overall length (in meter) : 80.00

Total No of Span : 1

Maximum Span (in meter) : 80.00

Span Arrangement : 1x80

No of Lane : 2.000

Overall Width (m) : 10.700

Carriageway Width (m) : 7.400

RS Footpath Width (m) : 0.850

LS Footpath Width (m) : 0.850

Approach Width i/c Shoulders (m) : 12.100

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 A
Load Rating : Class A
Super-Structure
Superstructure Type : Truss
Superstructure Material : Steel
Wearing Coat Type : Cement Concrete
Expansion Joint Type : Single Strip/Box Seal Joint
Railing/Crash Barrier type : Steel rolled section
Bearing type : POT PIN
Sub-Structure
Founding Strata : Bouldery
Abutment Foundation Type : Open
Pier Foundation Type : NA
No of Piers : 0
Abutment Type : RCC counterfort type
Pier Type : NA
Protection Work
Bank Protection Left Side of Up-stream : abutment protection by Plum concrete wall
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 : abutment protection by Plum concrete wall
Floor Protection on Up-stream : no protection work provided
Floor Protection on Down-stream : protection by Plum concrete wall
Treatment for Corrosion Protection (if any) : primer and painting in superstructure
final
Name of JE/AAE : Sunil Kumar

