

ID :3503 Bindal Bridge _ _ _ _ _

on Chainage 157.925 of Ambala Paunta Shahib Dehradun Rishikesh (Haridwar) national highway

In District Dehradun Under NH Doiwala Division

Bridge Inventory Report

Division: NH Doiwala

Data not-yet finalized

General

Name of Division : 132

Revenue Block Name : 32

Chainage (at Mid Point) : 157.925

Road/ Segment Name : 2

Bridge Type : Motor Bridge High Level

Structure No : 157/1

Feature Intersected : Bindal River

Name of Bridge : Bindal Bridge

Nearest Town : Dehradun

Latitude (Northing) : 30.28891700

Longitude (Easting) : 78.01698200

Construction Year : 2016

Inventory Year : 2025

Geometric

Overall length (in meter) : 45.00

Total No of Span : 5

Maximum Span (in meter) : 9.00

Span Arrangement : 5x9m

No of Lane : 4.000

Overall Width (m) : 18.000

Carriageway Width (m) : 15.000

RS Footpath Width (m) : 0.000

LS Footpath Width (m) : 1.000

Approach Width i/c Shoulders (m) : 7.500

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 : Single/Multi-cell Box

Superstructure Material : Reinforced concrete

Wearing Coat Type : Bituminous Concrete

Expansion Joint Type : Single Strip/Box Seal Joint

Railing/Crash Barrier type : Tubular steel

Bearing type : Elastomeric

Sub-Structure

Founding Strata : Rocky

Abutment Foundation Type : Raft

Pier Foundation Type : Raft

No of Piers : 4

Abutment Type : RCC Box type

Pier Type : RCC Solid

Protection Work

Bank Protection Left Side of Up-stream : RCC Wall

Bank Protection Right Side of Up-stream : RCC Wall

Bank Protection Left Side of Down-stream : Gabian Wall

Bank Protection Right Side of Down-stream : Gabian Wall

Floor Protection on Up-stream : Cut off Wall and Apron Provided

Floor Protection on Down-stream : Cut off Wall and Apron Provided

Treatment for Corrosion Protection (if any) : Cut off Wall Provided

final

Name of JE/AAE : Prashant Kumar Aggarwal

