ID :3503 Bindal Bridge __ __ __ __ __

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

In District Dehradun Under NH Div Doiwala Division

Bridge Inventory Report

Division: NH Div 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
Work Code(s) : --
Geometric
Overall length (in meter) : 45.00
Total No of Span : 5
Maximuam Span (in meter) : 9.00
Span Arragment : 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
Approch 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
Expension 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
Tratment for Corrosion Protection (if any) : Cut off Wall Provided
final
Name of JE/AAE : Prashant Kumar Aggarwal

