

ID :2212 Yamuna Bridge _ _ _ _ _

on Chainage 13.000 of Starting from its junction with NH - 72 connecting Vikasnager Kalsi Barkot and terminating at junction with NH- 94 near Barkot bend national highway

In District Dehradun Under NH Dehradun Division

Bridge Inventory Report

Division: NH Dehradun

Data not-yet finalized

General

Name of Division : 60

Revenue Block Name : 30

Chainage (at Mid Point) : 13.000

Road/ Segment Name : 9

Bridge Type : Motor Bridge High Level

Structure No : 1

Feature Intersected : Yamuna River

Name of Bridge : Yamuna Bridge

Nearest Town : kalsi

Latitude (Northing) : 30.50931700

Longitude (Easting) : 77.83307600

Construction Year : 1980

Inventory Year : 2022

Geometric

Overall length (in meter) : 437.50

Total No of Span : 11

Maximuam Span (in meter) : 38.70

Span Arragment : 9x38.7

No of Lane : 2.000

Overall Width (m) : 8.200

Carriageway Width (m) : 7.300

RS Footpath Width (m) : 0.000

LS Footpath Width (m) : 0.000

Approch Width i/c Shoulders (m) : 7.300

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 : T-beam and slab

Superstructure Material : Reinforced concrete

Wearing Coat Type : Bituminous Concrete

Expansion Joint Type : Single Strip/Box Seal Joint

Railing/Crash Barrier type : Cast-in-situ concrete

Bearing type : Roller & Rocker

Sub-Structure

Founding Strata : Hard clayey

Abutment Foundation Type : Open

Pier Foundation Type : Open

No of Piers : 10

Abutment Type : Stone Masonry

Pier Type : Stone Masonry

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 :

