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 Div Dehradun Division

Bridge Inventory Report

Division: NH Div 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
Work Code(s) : --
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
Expension 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
Tratment for Corrosion Protection (if any) : no special treatment provided
final
Name of JE/AAE :