

ID :733 Hasanpur- Madanpur bridge \_ \_ \_ \_ \_

on Chainage 2.250 of Village Mandawar to Hasanpur Madanpur Ghat road

In District Haridwar Under CD Roorkee Division

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## Bridge Inventory Report

Division: CD Roorkee

Data not-yet finalized

### General

Name of Division : 59

Revenue Block Name : 90

Chainage (at Mid Point) : 2.250

Road/ Segment Name : 2344

Bridge Type : Motor Bridge High Level

Structure No : 1

Feature Intersected : Solani River

Name of Bridge : Hasanpur- Madanpur bridge

Nearest Town : Bhagwanpur

Latitude (Northing) : 30.01515100

Longitude (Easting) : 77.78143500

Construction Year : 2010

Inventory Year : 2020

### Geometric

Overall length (in meter) : 300.00

Total No of Span : 12

Maximum Span (in meter) : 25.00

Span Arrangement : 12\*25

No of Lane : 2.000

Overall Width (m) : 8.500

Carriageway Width (m) : 7.500

RS Footpath Width (m) : 0.000

LS Footpath Width (m) : 0.000

Approach Width i/c Shoulders (m) : 7.500

Gradient (%age) : 3

Skew Angle (degree) : 0.00

Radius of Curve in Plan (if Any) : 0.00

### Design Data

HFL Highest Flood Level : 199.975

OFL Ordinary Flood Level : 198.500

LWL Low Water Level : 197.200

Design Velocity (m/Sec) : 2.35

Design Discharge (Cumecs) : 1600.00

Soffit Level at Centre : 203.500

Road Level at Centre : 106.110

Design Scour Level at Pier : 188.975

Design Scour Level at Abutments : 192.825

Exposure Condition : Moderate

Seismic Importance factor : 1.2

Design Loading : Class AA

Load Rating : Class AA

Super-Structure

Superstructure Type : T-beam and slab

Superstructure Material : Reinforced concrete

Wearing Coat Type : Cement Concrete

Expansion Joint Type : Not Provided

Railing/Crash Barrier type : Pre-cast concrete

Bearing type : Not Provided

Sub-Structure

Founding Strata : Sandy

Abutment Foundation Type : Well

Pier Foundation Type : Well

No of Piers : 11

Abutment Type : RCC counterfort type

Pier Type : RCC Solid

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 :

