

ID :733 RCC T-Beam Concrete Bridge at Hasanpur- Madanpur _ _ _ _ _
on Chainage 2.250 of Village Mandawar to Hasanpur Madanpur Ghat road
In District Haridwar Under CD Roorkee Division

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 : RCC T-Beam Concrete Bridge at Hasanpur- Madanpur
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 :

