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
Work Code(s) : --
Geometric
Overall length (in meter) : 300.00
Total No of Span : 12
Maximuam Span (in meter) : 25.00
Span Arragment : 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
Approch 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
Expension 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
Tratment for Corrosion Protection (if any) : no special treatment provided
final
Name of JE/AAE :

