ID :712 Prestressed Bridge on Dhanauri Ratmau River __ __ __ __ __

on Chainage 9.800 of Bahadrabad Dhanori Imlikheda Bhagwanpur Gagal Haidi state highway

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 : 91
Chainage (at Mid Point) : 9.800
Road/ Segment Name : 25
Bridge Type : Motor Bridge High Level
Structure No : S.No. 02
Feature Intersected : Ramtau River
Name of Bridge : Prestressed Bridge on Dhanauri Ratmau River
Nearest Town : Dhanauri
Latitude (Northing) : 29.94029000
Longitude (Easting) : 77.95024000
Construction Year : 2010
Inventory Year : 2011
Work Code(s) : --
Geometric
Overall length (in meter) : 220.00
Total No of Span : 1
Maximuam Span (in meter) : 24.45
Span Arragment : 9x 24.445
No of Lane : 1.000
Overall Width (m) : 7.500
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 : 269.600
OFL Ordinary Flood Level : 266.000
LWL Low Water Level : 265.875
Design Velocity (m/Sec) :
Design Discharge (Cumecs) : 2025.00
Soffit Level at Centre : 270.000
Road Level at Centre : 273.650
Design Scour Level at Pier : 265.275
Design Scour Level at Abutments : 271.250
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 : Pre-stressed concrete
Wearing Coat Type : Cement 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 : Sandy
Abutment Foundation Type : Well
Pier Foundation Type : Well
No of Piers : 8
Abutment Type : other
Pier Type : other
Protection Work
Bank Protection Left Side of Up-stream : protection work provided
Bank Protection Right Side of Up-stream : protection work provided
Bank Protection Left Side of Down-stream : protection work provided
Bank Protection Right Side of Down-stream : protection work provided
Floor Protection on Up-stream : no protection work provided
Floor Protection on Down-stream : protection work provided
Tratment for Corrosion Protection (if any) : no special treatment provided
final
Name of JE/AAE :

