

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

on Chainage 9.800 of Bahadradab 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

Geometric

Overall length (in meter) : 220.00

Total No of Span : 1

Maximum Span (in meter) : 24.45

Span Arrangement : 9x 24.45

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

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 : 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

Expansion 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

Treatment for Corrosion Protection (if any) : no special treatment provided
final

Name of JE/AAE :

