

ID :441 Lal Pul \_ \_ \_ \_ \_

on Chainage 0.500 of Dehradun Mussoorie state highway.

In District Dehradun Under CD Dehradun Division

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## Bridge Inventory Report

Division: CD Dehradun

Data not-yet finalized

### General

Name of Division : 54

Revenue Block Name : 32

Chainage (at Mid Point) : 0.500

Road/ Segment Name : 35

Bridge Type : Motor Bridge High Level

Structure No : 1/1

Feature Intersected : Bindal River

Name of Bridge : Lal Pul

Nearest Town : Dehradun

Latitude (Northing) : 30.30680556

Longitude (Easting) : 78.01611111

Construction Year : 2003

Inventory Year : 2021

### Geometric

Overall length (in meter) : 39.00

Total No of Span : 2

Maximum Span (in meter) : 19.50

Span Arrangement : 2x19.50

No of Lane : 4.000

Overall Width (m) : 18.000

Carriageway Width (m) : 17.000

RS Footpath Width (m) : 0.000

LS Footpath Width (m) : 0.000

Approach Width i/c Shoulders (m) : 18.000

Gradient (%age) : 1

Skew Angle (degree) : 0.00

Radius of Curve in Plan (if Any) : 0.00

### Design Data

HFL Highest Flood Level :

OFL Ordinary Flood Level :

LWL Low Water Level :

Design Velocity (m/Sec) :

Design Discharge (Cumecs) :

Soffit Level at Centre :

Road Level at Centre :

Design Scour Level at Pier :

Design Scour Level at Abutments :

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 : Reinforced concrete

Wearing Coat Type : Bituminous Concrete

Expansion Joint Type : Other

Railing/Crash Barrier type : Steel rolled section

Bearing type : Neoprene

Sub-Structure

Founding Strata : Bouldery

Abutment Foundation Type : Well

Pier Foundation Type : Well

No of Piers : 1

Abutment Type : RCC buttressed 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

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