

ID :2084 Bridge on sonali river of 271m span \_ \_ \_ \_ \_

on Chainage 10.735 of Roorkee Landhora Laksar Balawali state highway

In District Haridwar Under CD Laksar Division

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## Bridge Inventory Report

Division: CD Laksar

Data not-yet finalized

### General

Name of Division : 129

Revenue Block Name : 94

Chainage (at Mid Point) : 10.735

Road/ Segment Name : 87

Bridge Type : Motor Bridge High Level

Structure No : 02

Feature Intersected : Sonali River

Name of Bridge : Bridge on sonali river of 271m span

Nearest Town : Kuankheda mohammadpur

Latitude (Northing) : 29.46520000

Longitude (Easting) : 77.57370000

Construction Year : 1987

Inventory Year : 2022

### Geometric

Overall length (in meter) : 271.00

Total No of Span : 9

Maximum Span (in meter) : 30.25

Span Arrangement : 7\*30.25+2\*29.36

No of Lane : 2.000

Overall Width (m) : 8.350

Carriageway Width (m) : 7.600

RS Footpath Width (m) : 0.000

LS Footpath Width (m) : 0.000

Approach Width i/c Shoulders (m) : 9.800

Gradient (%age) : 0

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 : Cement Concrete

Expansion Joint Type : Single Strip/Box Seal Joint

Railing/Crash Barrier type : Tubular steel

Bearing type : Elastomeric

Sub-Structure

Founding Strata : Rocky

Abutment Foundation Type : Open

Pier Foundation Type : Well

No of Piers : 0

Abutment Type : Stone Masonry

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 : Balendra singh/Alok Tomar

