

ID :3113 Tilwari Horawal Km 1 H.M. 0/2 \_\_\_\_\_

on Chainage 0.400 of Tilwari Horawala Road

In District Dehradun Under PD Dehradun Division

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## Bridge Inventory Report

Division: PD Dehradun

Data not-yet finalized

### General

Name of Division : 51

Revenue Block Name : 31

Chainage (at Mid Point) : 0.400

Road/ Segment Name : 1269

Bridge Type : Motor Bridge High Level

Structure No : Km 1 H.M. 0/2

Feature Intersected : local River

Name of Bridge : Tilwari Horawal Km 1 H.M. 0/2

Nearest Town : Tilwari

Latitude (Northing) : 30.41644000

Longitude (Easting) : 77.90549700

Construction Year : 2000

Inventory Year : 2023

### Geometric

Overall length (in meter) : 13.30

Total No of Span : 2

Maximum Span (in meter) : 6.00

Span Arrangement : 1x1

No of Lane : 1.500

Overall Width (m) : 6.000

Carriageway Width (m) : 5.000

RS Footpath Width (m) : 0.500

LS Footpath Width (m) : 0.500

Approach Width i/c Shoulders (m) : 4.750

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 : NA

Load Rating : NA

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 : Pile

Pier Foundation Type : Well

No of Piers : 3

Abutment Type : RCC Box 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

Name of JE/AAE : Er.Madan Mohan Joshi

