

ID :2920 Badasi Bridge \_ \_ \_ \_ \_

on Chainage 12.000 of From km 16 of Rishikesh Bhaniawala road to Agarwal Bakers via Airport, Thano, Raipur, Pulia Number 6 Fawara Chowk state highway

In District Dehradun Under TD Rishikesh Division

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## Bridge Inventory Report

Division: TD Rishikesh

Data not-yet finalized

### General

Name of Division : 53

Revenue Block Name : 32

Chainage (at Mid Point) : 12.000

Road/ Segment Name : 60

Bridge Type : Motor Bridge High Level

Structure No : 12/1

Feature Intersected : Badasi River

Name of Bridge : Badasi Bridge

Nearest Town : Thano

Latitude (Northing) : 30.24340550

Longitude (Easting) : 78.15395000

Construction Year : 2018

Inventory Year : 2022

### Geometric

Overall length (in meter) : 210.00

Total No of Span : 5

Maximum Span (in meter) : 42.00

Span Arrangement : 5x42.00

No of Lane : 2.000

Overall Width (m) : 9.900

Carriageway Width (m) : 7.500

RS Footpath Width (m) : 0.900

LS Footpath Width (m) : 0.900

Approach Width i/c Shoulders (m) : 9.900

Gradient (%age) : 2

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 : Box girder

Superstructure Material : Reinforced concrete

Wearing Coat Type : Bituminous Concrete

Expansion Joint Type : Single Strip/Box Seal Joint

Railing/Crash Barrier type : Cast-in-situ concrete

Bearing type : POT PIN

Sub-Structure

Founding Strata : Sandy

Abutment Foundation Type : Well

Pier Foundation Type : Well

No of Piers : 4

Abutment Type : RCC counterfort 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 :

