

ID :87 RCC Bridge at km 5.51 of Uttarkashi bypass m/r \_\_\_\_\_

on Chainage 5.510 of Uttarkashi Bypass Motor Road

In District Uttarkashi Under PD Bhatwari Division

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## Bridge Inventory Report

Division: PD Bhatwari

Data not-yet finalized

### General

Name of Division : 31

Revenue Block Name : 6

Chainage (at Mid Point) : 5.510

Road/ Segment Name : 5246

Bridge Type : Motor Bridge High Level

Structure No : 5/1

Feature Intersected : Indravati river

Name of Bridge : RCC Bridge at km 5.51 of Uttarkashi bypass m/r

Nearest Town : JOSHIYARA

Latitude (Northing) : 30.72505800

Longitude (Easting) : 78.43915600

Construction Year : 2016

Inventory Year : 2020

### Geometric

Overall length (in meter) : 50.00

Total No of Span : 1

Maximum Span (in meter) : 50.00

Span Arrangement : 1x50

No of Lane : 1.000

Overall Width (m) : 11.000

Carriageway Width (m) : 7.000

RS Footpath Width (m) : 1.500

LS Footpath Width (m) : 1.500

Approach Width i/c Shoulders (m) : 7.000

Gradient (%age) : 0

Skew Angle (degree) : 0.00

Radius of Curve in Plan (if Any) : 0.00

### Design Data

HFL Highest Flood Level : 1124.593

OFL Ordinary Flood Level : 1119.200

LWL Low Water Level : 1118.200

Design Velocity (m/Sec) : 1.94

Design Discharge (Cumecs) : 518.02

Soffit Level at Centre :

Road Level at Centre : 1129.000

Design Scour Level at Pier :

Design Scour Level at Abutments : 4.750

Exposure Condition : Moderate

Seismic Importance factor : 1.0

Design Loading : Class 70R

Load Rating : Class 70R

Super-Structure

Superstructure Type : Box girder

Superstructure Material : Pre-stressed concrete

Wearing Coat Type : Cement Concrete

Expansion Joint Type : Single Strip/Box Seal Joint

Railing/Crash Barrier type : Steel rolled section

Bearing type : POT PIN

Sub-Structure

Founding Strata : Rocky

Abutment Foundation Type : Open

Pier Foundation Type : NA

No of Piers : 0

Abutment Type : RCC counterfort type

Pier Type : NA

Protection Work

Bank Protection Left Side of Up-stream : plum concrete work

Bank Protection Right Side of Up-stream : plum concrete work

Bank Protection Left Side of Down-stream : plum concrete work

Bank Protection Right Side of Down-stream : plum concrete work

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 :

