

ID :88 RCC Bridge at km 9.42 of Uttarkashi bypass m/r \_\_\_\_\_

on Chainage 9.420 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) : 9.420

Road/ Segment Name : 5246

Bridge Type : Motor Bridge High Level

Structure No : 10/1

Feature Intersected : BHAGIRATHI RIVER

Name of Bridge : RCC Bridge at km 9.42 of Uttarkashi bypass m/r

Nearest Town : Uttarkashi

Latitude (Northing) : 30.74831400

Longitude (Easting) : 78.45258600

Construction Year : 2017

Inventory Year : 2020

### Geometric

Overall length (in meter) : 122.70

Total No of Span : 2

Maximum Span (in meter) : 61.35

Span Arrangement : 2x61.35

No of Lane : 2.000

Overall Width (m) : 7.000

Carriageway Width (m) : 7.000

RS Footpath Width (m) : 1.750

LS Footpath Width (m) : 1.750

Approach Width i/c Shoulders (m) : 12.000

Gradient (%age) : 0

Skew Angle (degree) : 0.00

Radius of Curve in Plan (if Any) : 0.00

### Design Data

HFL Highest Flood Level : 1151.400

OFL Ordinary Flood Level : 1147.518

LWL Low Water Level : 1143.905

Design Velocity (m/Sec) : 9.87

Design Discharge (Cumecs) : 3773.43

Soffit Level at Centre :

Road Level at Centre : 1159.000

Design Scour Level at Pier : 17.200

Design Scour Level at Abutments : 17.200

Exposure Condition : Moderate

Seismic Importance factor : 1.0

Design Loading : Class 70R

Load Rating : Class 70R

Super-Structure

Superstructure Type : T-beam and slab

Superstructure Material : Reinforced concrete

Wearing Coat Type : Cement Concrete

Expansion Joint Type : Compression Seal Joint

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

Bearing type : POT PIN

Sub-Structure

Founding Strata : Rocky

Abutment Foundation Type : Open

Pier Foundation Type : Open

No of Piers : 1

Abutment Type : RCC counterfort type

Pier Type : RCC Solid

Protection Work

Bank Protection Left Side of Up-stream : CC work

Bank Protection Right Side of Up-stream : CC work

Bank Protection Left Side of Down-stream : CC work

Bank Protection Right Side of Down-stream : CC 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 : Er Babita Shah

