

ID :1151 Asthal bridge _ _ _ _

on Chainage 4.700 of Freedom fighter Shri Vishveshwar Dutt Saklani motor road (Raipur Kaddukhal state highway)

In District Dehradun Under TD Rishikesh Division

Bridge Inventory Report

Division: TD Rishikesh

Data not-yet finalized

General

Name of Division : 53

Revenue Block Name : 32

Chainage (at Mid Point) : 4.700

Road/ Segment Name : 80

Bridge Type : Motor Bridge High Level

Structure No : 05/2

Feature Intersected : Baldi river

Name of Bridge : Asthal bridge

Nearest Town : Maldevta

Latitude (Northing) : 30.34145700

Longitude (Easting) : 78.11482100

Construction Year : 2018

Inventory Year : 2021

Geometric

Overall length (in meter) : 36.00

Total No of Span : 4

Maximuam Span (in meter) : 8.45

Span Arragment : 4x8.45

No of Lane : 2.000

Overall Width (m) : 8.000

Carriageway Width (m) : 7.000

RS Footpath Width (m) : 0.000

LS Footpath Width (m) : 0.000

Approch 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 :

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 : Single/Multi-cell Box

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 : Sandy

Abutment Foundation Type : Open

Pier Foundation Type : Raft

No of Piers : 3

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/AEE :

