

ID :439 Box Culvert \_ \_ \_ \_ \_

on Chainage 9.700 of Shahid Gajender Singh Bisht Road) state highway (Majra Bhuddi Shekhuwala Dharmawala road)

In District Dehradun Under CD Dehradun Division

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Bridge Inventory Report

Division: CD Dehradun

Data not-yet finalized

General

Name of Division : 54

Revenue Block Name : 31

Chainage (at Mid Point) : 9.700

Road/ Segment Name : 65

Bridge Type : Motor Bridge High Level

Structure No : 10/1

Feature Intersected : Tons River

Name of Bridge : Box Culvert

Nearest Town : Singhniwala

Latitude (Northing) : 30.33100000

Longitude (Easting) : 77.88694444

Construction Year : 2003

Inventory Year : 2021

Geometric

Overall length (in meter) : 50.00

Total No of Span : 5

Maximum Span (in meter) : 10.00

Span Arrangement : 5x10

No of Lane : 2.000

Overall Width (m) : 8.400

Carriageway Width (m) : 7.500

RS Footpath Width (m) : 0.000

LS Footpath Width (m) : 0.000

Approach Width i/c Shoulders (m) : 10.000

Gradient (%age) : 1

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 : Solid slab

Superstructure Material : Reinforced concrete

Wearing Coat Type : Cement Concrete

Expansion Joint Type : Other

Railing/Crash Barrier type : Steel rolled section

Bearing type : Not Provided

Sub-Structure

Founding Strata : Bouldery

Abutment Foundation Type : Raft

Pier Foundation Type : Raft

No of Piers : 14

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. Maan Singh

