

ID :99 Dobra chanthi HMT Suspension Bridge _ _ _ _ _

on Chainage 0.622 of road unknown

In District Tehri Under PD New Tehri Division

Bridge Inventory Report

Division: PD New Tehri

Data not-yet finalized

General

Name of Division : 43

Revenue Block Name : 25

Chainage (at Mid Point) : 0.622

Road/ Segment Name : 4004

Bridge Type : Motor Bridge High Level

Structure No : 1/1

Feature Intersected : Bhagirathi River

Name of Bridge : Dobra chanthi HMT Suspension Bridge

Nearest Town : Dobra of Thauldhar Block & Chanthi of Pratapnagr Block

Latitude (Northing) : 30.44759000

Longitude (Easting) : 78.43457000

Construction Year : 2020

Inventory Year : 2020

Geometric

Overall length (in meter) : 725.00

Total No of Span : 22

Maximum Span (in meter) : 440.00

Span Arrangement : 20x13.00+1x440.00+1x25

No of Lane : 1.500

Overall Width (m) : 7.950

Carriageway Width (m) : 5.500

RS Footpath Width (m) : 0.750

LS Footpath Width (m) : 0.750

Approach Width i/c Shoulders (m) : 5.950

Gradient (%age) : 2

Skew Angle (degree) : 0.00

Radius of Curve in Plan (if Any) : 0.00

Design Data

HFL Highest Flood Level : 835.000

OFL Ordinary Flood Level : 830.000

LWL Low Water Level : 740.450

Design Velocity (m/Sec) :

Design Discharge (Cumecs) :

Soffit Level at Centre :

Road Level at Centre : 854.000

Design Scour Level at Pier :

Design Scour Level at Abutments :

Exposure Condition : Severe

Seismic Importance factor : 1.2

Design Loading : Class B

Load Rating : Class B

Super-Structure

Superstructure Type : Suspension

Superstructure Material : Reinforced concrete

Wearing Coat Type : Mastic asphalt

Expansion Joint Type : Modular Strip/Box Seal Joints

Railing/Crash Barrier type : Tubular steel

Bearing type : other

Sub-Structure

Founding Strata : Rocky

Abutment Foundation Type : Raft

Pier Foundation Type : Raft

No of Piers : 18

Abutment Type : RCC Box type

Pier Type : RCC Solid

Protection Work

Bank Protection Left Side of Up-stream : RCC Toe & Plum Concrete Blocks in 40m Length 4 layer of 1.00m high avg. Shotcrete work avg. 15X2.00 m

Bank Protection Right Side of Up-stream : RCC Toe & Plum Concrete Blocks in 100m Length 15 layer of 1.00m high avg. Shotcrete work avg. 100X20.00 m

Bank Protection Left Side of Down-stream : no protection work provided

Bank Protection Right Side of Down-stream : RCC Toe & Plum Concrete Blocks in 100m Length 15 layer of 1.00m high avg. Shotcrete work avg. 100X20.00 m

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 : Shri Pramod Negi

