ID :99 Dobra chanthi HMV 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 HMV 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
Work Code(s) : --
Geometric
Overall length (in meter) : 725.00
Total No of Span : 22
Maximuam Span (in meter) : 440.00
Span Arragment : 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
Approch 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
Expension 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 hight 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 hight 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 hight 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
Tratment for Corrosion Protection (if any) : no special treatment provided
final
Name of JE/AAE : Shri Pramod Negi