

ID :1043 Mujahidpur Sattiwala Bridge _ _ _ _ _

on Chainage 14.450 of Piran Kaliar Sohalpur Mujahidpur Sattiwala Kukdawala motor road

In District Haridwar Under PD Haridwar Division

Bridge Inventory Report

Division: PD Haridwar

Data not-yet finalized

General

Name of Division : 55

Revenue Block Name : 90

Chainage (at Mid Point) : 14.450

Road/ Segment Name : 112

Bridge Type : Motor Bridge High Level

Structure No : 1/15

Feature Intersected : Retmew River

Name of Bridge : Mujahidpur Sattiwala Bridge

Nearest Town : Buggawala , and Roorkee

Latitude (Northing) : 30.03087800

Longitude (Easting) : 77.91711100

Construction Year : 2020

Inventory Year : 2021

Geometric

Overall length (in meter) : 450.00

Total No of Span : 12

Maximum Span (in meter) : 37.50

Span Arrangement : 12x37.50 Meter

No of Lane : 2.000

Overall Width (m) : 8.500

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) : 3

Skew Angle (degree) : 0.00

Radius of Curve in Plan (if Any) : 0.00

Design Data

HFL Highest Flood Level : 193.000

OFL Ordinary Flood Level : 192.400

LWL Low Water Level : 191.400

Design Velocity (m/Sec) : 1.67

Design Discharge (Cumecs) : 3000.00

Soffit Level at Centre : 196.925

Road Level at Centre : 200.000

Design Scour Level at Pier : 7.150

Design Scour Level at Abutments : 7.150

Exposure Condition : Moderate

Seismic Importance factor : 1.2

Design Loading : Class A

Load Rating : Class A

Super-Structure

Superstructure Type : T-beam and slab

Superstructure Material : Reinforced concrete

Wearing Coat Type : Cement Concrete

Expansion Joint Type : Single Strip/Box Seal Joint

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

Bearing type : Elastomeric

Sub-Structure

Founding Strata : Hard clayey

Abutment Foundation Type : Well

Pier Foundation Type : Well

No of Piers : 11

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 : two No spur 20x6.0mx1.50 m wire create

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) : spur Required

final

Name of JE/AAE : Arvind Rawat

