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
Work Code(s) : --
Geometric
Overall length (in meter) : 450.00
Total No of Span : 12
Maximuam Span (in meter) : 37.50
Span Arragment : 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
Approch 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
Expension 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
Tratment for Corrosion Protection (if any) : spur Required
final
Name of JE/AAE :