ID :1044 KHEDI BRIDGE 630M __ __ __ __ __

on Chainage 3.500 of Fatehpur Khedi Shikohpur Sikroda Belki Haddiwala 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) : 3.500
Road/ Segment Name : 113
Bridge Type : Motor Bridge High Level
Structure No : 1/4
Feature Intersected : Solani River
Name of Bridge : KHEDI BRIDGE 630M
Nearest Town : chutmalpur (U.P)
Latitude (Northing) : 30.04944444
Longitude (Easting) : 77.79777778
Construction Year : 2019
Inventory Year : 2021
Work Code(s) : --
Geometric
Overall length (in meter) : 630.00
Total No of Span : 21
Maximuam Span (in meter) : 30.00
Span Arragment : 21x30
No of Lane : 2.000
Overall Width (m) : 7.500
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 : 501.500
OFL Ordinary Flood Level : 500.000
LWL Low Water Level : 499.500
Design Velocity (m/Sec) : 1.67
Design Discharge (Cumecs) : 2944.50
Soffit Level at Centre : 504.500
Road Level at Centre : 506.500
Design Scour Level at Pier : 489.500
Design Scour Level at Abutments : 489.500
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 : POT PIN
Sub-Structure
Founding Strata : Hard clayey
Abutment Foundation Type : Well
Pier Foundation Type : Well
No of Piers : 20
Abutment Type : RCC counterfort type
Pier Type : RCC Solid
Protection Work
Bank Protection Left Side of Up-stream : Guide Bundh
Bank Protection Right Side of Up-stream : Guide Bundh
Bank Protection Left Side of Down-stream : Guide Bundh
Bank Protection Right Side of Down-stream : Guide Bundh
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 :