

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

Geometric

Overall length (in meter) : 630.00

Total No of Span : 21

Maximum Span (in meter) : 30.00

Span Arrangement : 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

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 : 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

Expansion 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

Treatment for Corrosion Protection (if any) : no special treatment provided

final

Name of JE/AAE :

