

ID :790 Bhakra Bridge _ _ _ _ _

on Chainage 12.930 of Jafarpur-Gularbhoj Road

In District Udham Singh Nagar Under PD Rudrapur Division

Bridge Inventory Report

Division: PD Rudrapur

Data not-yet finalized

General

Name of Division : 23

Revenue Block Name : 86

Chainage (at Mid Point) : 12.930

Road/ Segment Name : 4858

Bridge Type : Motor Bridge High Level

Structure No : 12/3

Feature Intersected : Bhakra River

Name of Bridge : Bhakra Bridge

Nearest Town : Dineshpur

Latitude (Northing) : 29.09587300

Longitude (Easting) : 79.30618600

Construction Year : 1974

Inventory Year : 2021

Geometric

Overall length (in meter) : 51.20

Total No of Span : 5

Maximum Span (in meter) : 10.00

Span Arrangement : 5*10

No of Lane : 1.500

Overall Width (m) : 5.000

Carriageway Width (m) : 5.000

RS Footpath Width (m) : 0.000

LS Footpath Width (m) : 0.000

Approach Width i/c Shoulders (m) : 9.000

Gradient (%age) : 0

Skew Angle (degree) : 0.00

Radius of Curve in Plan (if Any) : 0.00

Design Data

HFL Highest Flood Level :

OFL Ordinary Flood Level :

LWL Low Water Level :

Design Velocity (m/Sec) :

Design Discharge (Cumecs) :

Soffit Level at Centre :

Road Level at Centre :

Design Scour Level at Pier :

Design Scour Level at Abutments :

Exposure Condition : Moderate

Seismic Importance factor : 1.0

Design Loading : Class A

Load Rating : Class A

Super-Structure

Superstructure Type : Solid slab

Superstructure Material : Reinforced concrete

Wearing Coat Type : Bituminous Concrete

Expansion Joint Type : Other

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

Bearing type : Roller & Rocker

Sub-Structure

Founding Strata : Hard clayey

Abutment Foundation Type : Open

Pier Foundation Type : Open

No of Piers : 4

Abutment Type : RCC buttressed type

Pier Type : RCC Solid

Protection Work

Bank Protection Left Side of Up-stream : Boulder Pitching

Bank Protection Right Side of Up-stream : no protection work provided

Bank Protection Left Side of Down-stream : Boulder Pitching

Bank Protection Right Side of Down-stream : Boulder Pitching

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 : Er. P. C. Bahuguna

