

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

