

ID :788 Bhakra Bridge \_ \_ \_ \_ \_

on Chainage 4.175 of Rudrapur Gadarpur Dineshpur Madkota haldwani state highway

In District Udham Singh Nagar Under PD Rudrapur Division

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## Bridge Inventory Report

Division: PD Rudrapur

Data not-yet finalized

### General

Name of Division : 23

Revenue Block Name : 86

Chainage (at Mid Point) : 4.175

Road/ Segment Name : 43

Bridge Type : Motor Bridge High Level

Structure No : 5/2

Feature Intersected : Bhakra River

Name of Bridge : Bhakra Bridge

Nearest Town : Dineshpur

Latitude (Northing) : 29.05162300

Longitude (Easting) : 79.29315500

Construction Year :

Inventory Year : 2021

### Geometric

Overall length (in meter) : 45.00

Total No of Span : 5

Maximum Span (in meter) : 9.00

Span Arrangement : 5\*9

No of Lane : 2.000

Overall Width (m) : 7.000

Carriageway Width (m) : 7.000

RS Footpath Width (m) : 0.000

LS Footpath Width (m) : 0.000

Approach Width i/c Shoulders (m) : 10.000

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 : 0.0

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 : Sandy  
Abutment Foundation Type : Raft  
Pier Foundation Type : Well  
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 : Boulder Pitching  
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

