ID :790 Bhakra Bridge __ __ __ __ __

on Chainage 12.930 of Jafarpur Gularbhoj motor 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 : 519
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
Work Code(s) : --
Geometric
Overall length (in meter) : 51.20
Total No of Span : 5
Maximuam Span (in meter) : 10.00
Span Arragment : 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
Approch 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
Expension Joint Type : Other
Railing/Crash Barrier type : Cast-in-situ concrete
Bearing type : Elastomeric
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
Tratment for Corrosion Protection (if any) : no special treatment provided
final
Name of JE/AAE :