

ID :730 Prestressed Concrete Bridge at Bhagwanpur _ _ _ _ _

on Chainage 13.000 of Bhalswagaaj Chudiyala Bhagwanpur Sikhroda Banjarewala Telpura Kheri Shikohpur motor road

In District Haridwar Under CD Roorkee Division

Bridge Inventory Report

Division: CD Roorkee

Data not-yet finalized

General

Name of Division : 59

Revenue Block Name : 90

Chainage (at Mid Point) : 13.000

Road/ Segment Name : 142

Bridge Type : Motor Bridge High Level

Structure No : 1

Feature Intersected : Solani River

Name of Bridge : Prestressed Concrete Bridge at Bhagwanpur

Nearest Town : Bhagwanpur

Latitude (Northing) : 29.95120100

Longitude (Easting) : 77.81875600

Construction Year : 2019

Inventory Year : 2020

Geometric

Overall length (in meter) : 540.00

Total No of Span : 30

Maximum Span (in meter) : 28.00

Span Arrangement : 18*30

No of Lane : 2.000

Overall Width (m) : 8.500

Carriageway Width (m) : 7.500

RS Footpath Width (m) : 0.000

LS Footpath Width (m) : 0.000

Approach Width i/c Shoulders (m) : 12.000

Gradient (%age) : 3

Skew Angle (degree) : 0.00

Radius of Curve in Plan (if Any) : 0.00

Design Data

HFL Highest Flood Level : 200.000

OFL Ordinary Flood Level :

LWL Low Water Level : 197.394

Design Velocity (m/Sec) :

Design Discharge (Cumecs) : 2265.36

Soffit Level at Centre : 203.475

Road Level at Centre : 205.500

Design Scour Level at Pier : 186.290

Design Scour Level at Abutments : 191.290

Exposure Condition : Moderate

Seismic Importance factor : 1.2

Design Loading : Class AA

Load Rating : Class AA

Super-Structure

Superstructure Type : T-beam and slab

Superstructure Material : Pre-stressed concrete

Wearing Coat Type : Cement Concrete

Expansion Joint Type : Single Strip/Box Seal Joint

Railing/Crash Barrier type : Pre-cast concrete

Bearing type : other

Sub-Structure

Founding Strata : Sandy

Abutment Foundation Type : Well

Pier Foundation Type : Well

No of Piers : 17

Abutment Type : RCC spill through type

Pier Type : RCC Solid

Protection Work

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

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

Bank Protection Left Side of Down-stream : no protection work provided

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

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/AEE :

