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
Work Code(s) : --
Geometric
Overall length (in meter) : 540.00
Total No of Span : 30
Maximuam Span (in meter) : 28.00
Span Arragment : 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
Approch 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
Expension 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
Tratment for Corrosion Protection (if any) : no special treatment provided
final
Name of JE/AAE :

