

ID :364 Sawalde Bridge _ _ _ _ _

on Chainage 5.900 of Ramnagar Laldhang motor road

In District Nanital Under CD Ramnagar Division

Bridge Inventory Report

Division: CD Ramnagar

Data not-yet finalized

General

Name of Division : 11

Revenue Block Name : 81

Chainage (at Mid Point) : 5.900

Road/ Segment Name : 420

Bridge Type : Motor Bridge High Level

Structure No : 5/3

Feature Intersected : Sawalde River

Name of Bridge : Sawalde Bridge

Nearest Town : Ramnagar

Latitude (Northing) : 29.40158500

Longitude (Easting) : 79.06626900

Construction Year : 2018

Inventory Year : 2020

Geometric

Overall length (in meter) : 275.00

Total No of Span : 11

Maximum Span (in meter) : 25.00

Span Arrangement : 11x25m

No of Lane : 2.000

Overall Width (m) : 12.000

Carriageway Width (m) : 7.000

RS Footpath Width (m) : 1.500

LS Footpath Width (m) : 1.500

Approach Width i/c Shoulders (m) : 12.000

Gradient (%age) : 0

Skew Angle (degree) : 0.00

Radius of Curve in Plan (if Any) : 0.00

Design Data

HFL Highest Flood Level : 100.197

OFL Ordinary Flood Level :

LWL Low Water Level :

Design Velocity (m/Sec) : 1.61

Design Discharge (Cumecs) : 2182.42

Soffit Level at Centre :

Road Level at Centre : 104.000

Design Scour Level at Pier : 8.760

Design Scour Level at Abutments : 5.560

Exposure Condition : Moderate

Seismic Importance factor : 1.0

Design Loading : Class A
Load Rating : Class A
Super-Structure
Superstructure Type : Solid slab
Superstructure Material : Pre-stressed concrete
Wearing Coat Type : Mastic asphalt
Expansion Joint Type : Single Strip/Box Seal Joint
Railing/Crash Barrier type : Cast-in-situ concrete
Bearing type : POT PIN
Sub-Structure
Founding Strata : Bouldery
Abutment Foundation Type : Well
Pier Foundation Type : Well
No of Piers : 10
Abutment Type : other
Pier Type : RCC Solid
Protection Work
Bank Protection Left Side of Up-stream : Plum Concrete
Bank Protection Right Side of Up-stream : Plum Concrete
Bank Protection Left Side of Down-stream : Plum Concrete
Bank Protection Right Side of Down-stream : Plum Concrete
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 : Girish Kumar AAE

