

ID :2688 Ballupur Flyover \_ \_ \_ \_ \_

on Chainage 149.000 of Ambala Paunta Shahib Dehradun Rishikesh (Haridwar) national highway

In District Dehradun Under NH Doiwala Division

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## Bridge Inventory Report

Division: NH Doiwala

Data not-yet finalized

### General

Name of Division : 132

Revenue Block Name : 32

Chainage (at Mid Point) : 149.000

Road/ Segment Name : 2

Bridge Type : Fly Over

Structure No : 1/149

Feature Intersected : Ballupur Chowk

Name of Bridge : Ballupur Flyover

Nearest Town : DEHRADUN

Latitude (Northing) : 30.33330500

Longitude (Easting) : 78.01070500

Construction Year : 2016

Inventory Year : 2022

### Geometric

Overall length (in meter) : 797.34

Total No of Span : 10

Maximum Span (in meter) : 34.20

Span Arrangement : 2x28.780m + 4x35.000m + 4x28.745m

No of Lane : 2.000

Overall Width (m) : 8.400

Carriageway Width (m) : 7.500

RS Footpath Width (m) : 0.000

LS Footpath Width (m) : 0.000

Approach Width i/c Shoulders (m) : 24.000

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 : T-beam and slab

Superstructure Material : Pre-stressed concrete

Wearing Coat Type : Bituminous Concrete

Expansion Joint Type : Single Strip/Box Seal Joint

Railing/Crash Barrier type : Cast-in-situ concrete

Bearing type : Roller & Rocker

Sub-Structure

Founding Strata : Soft clayey

Abutment Foundation Type : Pile

Pier Foundation Type : Pile

No of Piers : 9

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/AAE : Ajendra Rawat

