

ID :1655 ISBT Flyover _ _ _ _ _

on Chainage 40.150 of Chutmalpur Dehradun national highway

In District Dehradun Under NH Dehradun Division

Bridge Inventory Report

Division: NH Dehradun

Data not-yet finalized

General

Name of Division : 60

Revenue Block Name : 31

Chainage (at Mid Point) : 40.150

Road/ Segment Name : 3

Bridge Type : Fly Over

Structure No : 14 (12 Pier + 2 Abutment)

Feature Intersected : ISBT junction

Name of Bridge : ISBT Flyover

Nearest Town : Dehradun

Latitude (Northing) : 30.17191200

Longitude (Easting) : 77.59482000

Construction Year : 2016

Inventory Year : 2021

Geometric

Overall length (in meter) : 409.40

Total No of Span : 13

Maximum Span (in meter) : 32.20

Span Arrangement : 11x32.2+1x28.2+1x27

No of Lane : 2.000

Overall Width (m) : 15.600

Carriageway Width (m) : 14.000

RS Footpath Width (m) : 0.000

LS Footpath Width (m) : 0.000

Approach Width i/c Shoulders (m) : 14.000

Gradient (%age) : 3

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 : Reinforced concrete

Wearing Coat Type : Bituminous Concrete

Expansion Joint Type : Single Strip/Box Seal Joint

Railing/Crash Barrier type : Pre-cast concrete

Bearing type : Roller & Rocker

Sub-Structure

Founding Strata : Hard clayey

Abutment Foundation Type : Pile

Pier Foundation Type : Pile

No of Piers : 13

Abutment Type : RCC buttressed 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 :

