

ID :3284 New Chalthi Bridge _ _ _ _ _

on Chainage 86.082 of starting from its junction with NH -74 near Sitarganj connecting Khatima -Tanakpur and terminating at Pithoragarh national Highway : Tanakpur Pithoragarh

In District Champawat Under NH Lohaghat Division

Bridge Inventory Report

Division: NH Lohaghat

Data not-yet finalized

General

Name of Division : 133

Revenue Block Name : 60

Chainage (at Mid Point) : 86.082

Road/ Segment Name : 13

Bridge Type : Motor Bridge High Level

Structure No : 87/1

Feature Intersected : Ladhiya River

Name of Bridge : New Chalthi Bridge

Nearest Town : Chalthi

Latitude (Northing) : 29.19766500

Longitude (Easting) : 80.09381300

Construction Year : 2023

Inventory Year : 2023

Geometric

Overall length (in meter) : 165.00

Total No of Span : 3

Maximum Span (in meter) : 120.00

Span Arrangement : 1x30 + 1x120 + 1x15

No of Lane : 2.000

Overall Width (m) : 14.800

Carriageway Width (m) : 10.500

RS Footpath Width (m) : 1.500

LS Footpath Width (m) : 1.500

Approach Width i/c Shoulders (m) : 10.000

Gradient (%age) : 0

Skew Angle (degree) : 0.00

Radius of Curve in Plan (if Any) : 0.00

Design Data

HFL Highest Flood Level : 574.000

OFL Ordinary Flood Level : 573.000

LWL Low Water Level : 565.920

Design Velocity (m/Sec) : 7.49

Design Discharge (Cumecs) : 3562.26

Soffit Level at Centre : 583.375

Road Level at Centre : 583.420

Design Scour Level at Pier : 556.630

Design Scour Level at Abutments : 556.630

Exposure Condition : Mild

Seismic Importance factor : 1.5

Design Loading : Class A

Load Rating : Class A

Super-Structure

Superstructure Type : Truss

Superstructure Material : Steel

Wearing Coat Type : Bituminous Concrete

Expansion Joint Type : Other

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

Bearing type : Roller & Rocker

Sub-Structure

Founding Strata : Rocky

Abutment Foundation Type : Open

Pier Foundation Type : Raft

No of Piers : 2

Abutment Type : other

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) : Apron provided in 9.50 m width for both side piers.

final

Name of JE/AEE : Er. Pramod Kumar Tiwari

