ID :3478 Bidalana Bridge __ __ __ __ __

on Chainage 2.750 of Thano Bhogpur road

In District Dehradun Under TD Rishikesh Division

Bridge Inventory Report

Division: TD Rishikesh

Data not-yet finalized

General
Name of Division : 53
Revenue Block Name : 33
Chainage (at Mid Point) : 2.750
Road/ Segment Name : 349
Bridge Type : Motor Bridge High Level
Structure No : 1/2
Feature Intersected : Bidalana River
Name of Bridge : Bidalana Bridge
Nearest Town : Thano
Latitude (Northing) : 30.22154000
Longitude (Easting) : 78.22156700
Construction Year : 2023
Inventory Year : 2024
Work Code(s) : --
Geometric
Overall length (in meter) : 240.00
Total No of Span : 5
Maximuam Span (in meter) : 48.00
Span Arragment : 5x48.00
No of Lane : 2.000
Overall Width (m) : 12.000
Carriageway Width (m) : 7.500
RS Footpath Width (m) : 1.750
LS Footpath Width (m) : 1.750
Approch Width i/c Shoulders (m) : 11.000
Gradient (%age) : 3
Skew Angle (degree) : 0.00
Radius of Curve in Plan (if Any) : 0.00
Design Data
HFL Highest Flood Level : 638.000
OFL Ordinary Flood Level : 637.500
LWL Low Water Level : 635.500
Design Velocity (m/Sec) : 2.83
Design Discharge (Cumecs) : 1248.00
Soffit Level at Centre : 637.150
Road Level at Centre : 644.000
Design Scour Level at Pier : 632.000
Design Scour Level at Abutments : 632.000
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 : Cement Concrete
Expension Joint Type : Modular Strip/Box Seal Joints
Railing/Crash Barrier type : Cast-in-situ concrete
Bearing type : POT PIN
Sub-Structure
Founding Strata : Sandy
Abutment Foundation Type : Well
Pier Foundation Type : Well
No of Piers : 4
Abutment Type : RCC buttressed type
Pier Type : RCC Hollow
Protection Work
Bank Protection Left Side of Up-stream : R.C.C. Wall
Bank Protection Right Side of Up-stream : R.C.C. Wall
Bank Protection Left Side of Down-stream : R.C.C. Wall
Bank Protection Right Side of Down-stream : R.C.C. Wall
Floor Protection on Up-stream : N.A.
Floor Protection on Down-stream : N.A.
Tratment for Corrosion Protection (if any) : Zinc Paint
final
Name of JE/AAE :

