ID :3117 Alaknanda River Bridge __ __ __ __ __

on Chainage 0.500 of Kirtinagar Badiyar Dhaurangi Saurakhal motor road

In District Tehri Under TD Kirtinagar Division

Bridge Inventory Report

Division: TD Kirtinagar

Data not-yet finalized

General
Name of Division : 47
Revenue Block Name : 22
Chainage (at Mid Point) : 0.500
Road/ Segment Name : 192
Bridge Type : Motor Bridge High Level
Structure No : 0
Feature Intersected : Alaknanda
Name of Bridge : Alaknanda River Bridge
Nearest Town : Kirtinagar
Latitude (Northing) : 30.21440900
Longitude (Easting) : 78.75178400
Construction Year : 1957
Inventory Year : 2010
Work Code(s) : --
Geometric
Overall length (in meter) : 85.34
Total No of Span : 2
Maximuam Span (in meter) : 70.00
Span Arragment : 1x70+1x15.34
No of Lane : 1.000
Overall Width (m) : 5.000
Carriageway Width (m) : 4.200
RS Footpath Width (m) : 0.000
LS Footpath Width (m) : 0.000
Approch Width i/c Shoulders (m) : 6.000
Gradient (%age) : 0
Skew Angle (degree) : 0.00
Radius of Curve in Plan (if Any) : 0.00
Design Data
HFL Highest Flood Level : 3000.000
OFL Ordinary Flood Level : 2000.000
LWL Low Water Level : 1500.000
Design Velocity (m/Sec) : 0.00
Design Discharge (Cumecs) : 0.00
Soffit Level at Centre : 25.000
Road Level at Centre : 25.000
Design Scour Level at Pier : 0.000
Design Scour Level at Abutments : 0.000
Exposure Condition : Moderate

Seismic Importance factor : 1.0
Design Loading : Class B
Load Rating : Class B
Super-Structure
Superstructure Type : Cable stayed
Superstructure Material : Steel
Wearing Coat Type : Cement Concrete
Expension Joint Type : Single Strip/Box Seal Joint
Railing/Crash Barrier type : Tubular steel
Bearing type : POT PIN
Sub-Structure
Founding Strata : Rocky
Abutment Foundation Type : Open
Pier Foundation Type : Open
No of Piers : 1
Abutment Type : Stone Masonry
Pier Type : Stone Masonry
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
Tratment for Corrosion Protection (if any) : no special treatment provided
final
Name of JE/AAE : Alka Rani