ID :3790 125 m span arch motor bridge __ __ __ __ __

on Chainage 0.900 of Link road from KaraligateThuligad motor road to RTO office Nayakgot

In District Champawat Under PD Champawat Division

Bridge Inventory Report

Division: PD Champawat

Data not-yet finalized

General
Name of Division : 19
Revenue Block Name : 60
Chainage (at Mid Point) : 0.900
Road/ Segment Name : 3863
Bridge Type : Motor Bridge High Level
Structure No : 1/1
Feature Intersected : Kirora naala
Name of Bridge : 125 m span arch motor bridge
Nearest Town : TANAKPUR
Latitude (Northing) : 29.08360100
Longitude (Easting) : 80.11675700
Construction Year : 2024
Inventory Year : 2025
Work Code(s) : --
Geometric
Overall length (in meter) : 125.00
Total No of Span : 4
Maximuam Span (in meter) : 33.00
Span Arragment : 1x28.5m+1x33m+1x33m+1x28.5m+2m dirt wall
No of Lane : 1.500
Overall Width (m) : 7.000
Carriageway Width (m) : 6.000
RS Footpath Width (m) : 0.000
LS Footpath Width (m) : 0.000
Approch Width i/c Shoulders (m) : 7.500
Gradient (%age) : 0
Skew Angle (degree) : 0.00
Radius of Curve in Plan (if Any) : 0.00
Design Data
HFL Highest Flood Level : 251.400
OFL Ordinary Flood Level : 249.000
LWL Low Water Level : 248.400
Design Velocity (m/Sec) : 2.70
Design Discharge (Cumecs) : 661.00
Soffit Level at Centre : 255.670
Road Level at Centre : 257.500
Design Scour Level at Pier : 246.690
Design Scour Level at Abutments : 246.690
Exposure Condition : Moderate

Seismic Importance factor : 1.0
Design Loading : Class 70R
Load Rating : Class 70R
Super-Structure
Superstructure Type : T-beam and slab
Superstructure Material : Reinforced concrete
Wearing Coat Type : Bituminous Concrete
Expension Joint Type : Single Strip/Box Seal Joint
Railing/Crash Barrier type : Cast-in-situ concrete
Bearing type : Roller & Rocker
Sub-Structure
Founding Strata : Bouldery
Abutment Foundation Type : Pile
Pier Foundation Type : Pile
No of Piers : 3
Abutment Type : RCC Box type
Pier Type : RCC Solid
Protection Work
Bank Protection Left Side of Up-stream : Gabions in 3 layers over plum toe walls in 2 layers in 100 m length and 1 no. spur after gabion walls.
Bank Protection Right Side of Up-stream : Gabions in 2 layers over plum toe walls in 2 layers in18 m length .
Bank Protection Left Side of Down-stream : Gabions in 3 layers over plum toe walls in 2 layers in 50 m length .
Bank Protection Right Side of Down-stream : Gabions in 2 layers over plum toe walls in 2 layers in 9 m length .
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 : TANUJA DEV