

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

Geometric

Overall length (in meter) : 125.00

Total No of Span : 4

Maximum 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

Expansion 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 in 18 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

Treatment for Corrosion Protection (if any) : no special treatment provided

final

Name of JE/AAE : TANUJA DEV

