

The logo graphic consists of a stylized, three-dimensional diamond shape. The top half of the diamond is a light gray, curved shape that resembles a road surface or a stylized 'S'. The bottom half is a darker gray, also curved, creating a sense of depth and perspective. The word 'ROADSCANNERS' is written in a bold, white, sans-serif font across the center of the diamond.

ROADSCANNERS

Advanced Tools for Infrastructure Design & Management

Principles of Drainage Classification

VISUAL DRAINAGE CONDITION CLASSIFICATION OF PAVED ROADS

Class 1: Good Drainage Condition



Description:

Faultless drainage. Road cross section shape has preserved its form well and water flow from the pavement to ditch has no obstacles. Unrestricted water flow in ditches.

VISUAL DRAINAGE CONDITION CLASSIFICATION OF PAVED ROADS

Class 2: Adequate Drainage Condition



Description:

Small changes in the road cross section form can appear. Road shoulder has small verges or vegetation that prevents good water flow to ditch. Vegetation in ditch restrains water flow and causes dams. Small amount of soil flows from road slopes into ditches and raises the bottom of the ditch, slows the water flow and raises the ground water table.

VISUAL DRAINAGE CONDITION CLASSIFICATION OF PAVED ROADS

Class 3: Poor Drainage Condition



Description:

Deformations and damages in the road cross section. Road shoulder can have a high verge and/or dense vegetation that causes ponding on the traffic lane or on the shoulder. Vegetation in ditch restrains water flow and causes dams in the ditch. Unstable soil flows from ditch slopes into ditches and blocks the water flow. Clocked culvert or outlet dict prevent the water flow in the ditch.

Road Cross Sections in Drainage Analysis

