



Soil Stabilization BMPs



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Raindrop impact and wind can break down or erode soil into sediment that can be carried to nearby waters, thus harming the environment. The Colorado Department of Transportation works to control erosion that result from highway construction, operation and maintenance using Best Management Practices (BMPs).

Commonly used BMPs include soil stabilization, vegetation, maintaining and protecting existing vegetative cover over soils, and slope stabilization. Soil stabilization practices reduce the potential for erosion by:

- Absorbing the kinetic energy of raindrops
- Intercepting water so it can infiltrate into the ground
- Slowing the velocity of runoff
- Binding the sediments in the root layer

Guidance: CDOT Erosion Control Stormwater Quality Guide, Chapter 5



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