

20. Falling-stone prevention and slope protection work using steel materials

Effective measures not to damage to traffic and residence in the case of heavy rain or earthquake

■ Falling-stone prevention and slope protection method using buffer material, wire ropes and net to prevent damages from falling debris

1. Falling-stone prevention wall



2. Falling-stone protection net



3. Pocket-type falling-stone protection net



4. Wire rope net



By means of excellence of steel in strength and fabrication, both disaster mitigation and environmental preservation can be achieved with minimum effect to natural ground alternation.

Applicable Sector

Mountain
Road

Road Disaster
Prevention

Standard Condition of application

No standard condition can be specified because of variety of applicable pattern.

Feature

1. Falling-stone prevention wall

The prevention wall disperses the force of stones falling down on the slope with use of cushion material (sand, tire, timber, etc.) to reduce force and capture them.

2. Falling-stone protection net

Stripped slope surface and boulders on mountain slopes with danger of falling debris are covered with metal net and wire rope to prevent disasters. Its flexible structure is used to control falling rocks safely down the slope.

3. Pocket-type falling-stone protection net

To form a "pocket" by lifting top part of the metal net by columns which is effective to catch rocks safely falling from higher altitude than the structure.

4. Wire rope net

The cause of falling rocks on a slope is controlled at its position with wire rope and anchor, to prevent initial movement of rolling and floating stones and to stabilize slope.

Track Record

Overseas : A few projects per year

Japan : Hundreds of projects
per year
(Scale : 100~3,000m²)

Cost

To get information, please ask the contact shown bellow.

Contact

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