JCR-42

Rock Excavation

May 1978
October 1999

Recommendations:

The specifications should provide the following unit price payment classifications for rock excavation when it is anticipated rock excavation will be encountered.

Rock excavation in trenches, drilling and blasting per cubic yard $ ________.

Rock excavation in bulk, drilling and blasting per cubic yard $ __________.

Rock excavation in bulk, tractor and ripper per cubic yard $ __________.

Comments:

A. Rock excavation consists of removal and disposal of materials that cannot be excavated without continuous and systematic drilling and blasting or continuous use of a ripper or other special equipment.

B. Typical of materials classified as rock are boulders 1/2 cubic yard or more in volume, solid rock, rock in ledges, and rock-hard cementitious aggregate deposits.

C. Intermittent drilling performed to increase production and not necessary to permit excavation of material encountered should not be considered rock excavation.

D. The specifications should stipulate the basis for computing the payment quantities.

Note: In order to be equitable to both owner and contractor, the specifications written should establish such controls as deemed necessary to insure that unit prices are fair.

End of JCR-42