

Building a 3D simulation video of the secret tunnel digging scene to place a 1-ton explosive block into Hill A1.

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Abstract: In practice, researching and applying 3D simulation technology to recreate complex technical activities such as secret tunnel excavation is necessary. This topic focuses on building a 3D simulation video for this process, with the main objective of determining the safest location and method to place a 1-ton explosive charge in Hill A1. Through a combination of theoretical research on tunnel excavation techniques and simulation experiments, the topic aims to contribute to improving the efficiency and safety of blasting operations. The expected results will provide a system of practical solutions for experts in this field.

Keywords: 3D simulation, tunnel excavation technique, blasting, Hill A1, construction safety