
题 目 高家梁矿回风巷道支护设计与概算编制

摘要

本设计是对高家梁矿给出的煤矿数据及参考资料进行分析的基础上，对煤矿的断面形式，掘进开拓，锚喷支护，通风等进行设计，同时编制具体的施工方案，包括钻爆工作，装岩工作，支护工作，通风排水等进行设计。编制爆破图表，给出设计概算以及图纸。主要的方法是按照设计规范，参考已学过的知识，进行整个施工过程的设计。

通过对整个巷道的支护与施工组织的设计，了解巷道施工设计中会遇到的问题，并通过查阅资料以及咨询指导教师的方法解决，达到对整个设计过程的初步了解，为以后的实践打下基础。煤矿巷道的掘进与支护是行业中的典型问题，研究这个问题可以让我们对行业热门问题有一个了解。

关键词：回风巷道，断面形式，支护方式，设计概算，施工组织设计。

Abstract

This design is based on the analysis of the coal mine data and reference materials given by Gaojialiang Mine. It designs the coal mine's section form, tunneling, bolting and spray support, ventilation, etc., and prepares specific construction plans, including drilling. Explosive work, rock loading work, support work, ventilation and drainage, etc. Prepare a blasting chart and give a design estimate and drawings. The main method is to design the entire construction process according to the design specifications and with reference to the knowledge already learned.

Through the design of the support and construction organization of the whole roadway, understand the problems encountered in the construction design of the roadway, and solve the problem of the whole design process by consulting the materials and asking the teacher to solve the problem, laying the foundation for future practice. . The tunneling and support of coal mine roadways is a typical problem in the industry. Studying this problem can give us an understanding of the hot issues in the industry.

Key words: return airway, section form, support method, design budget, construction organization design.

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