Accepted Manuscript

Failure of bolt support and experimental study on the parameters of bolt-grouting for supporting the roadways in deep coal seam

R. Pan, Q. Wang, B. Jiang, S.C. Li, H.B. Sun, Q. Qin, H.C. Yu, W. Lu

PII:	81350-6307(16)31115-3
DOI:	doi: 10.1016/j.engfailanal.2017.06.025
Reference:	EFA 3190
To appear in:	Engineering Failure Analysis
Received date:	17 November 2016
Revised date:	6 June 2017
Accepted date:	14 June 2017



Please cite this article as: R. Pan, Q. Wang, B. Jiang, S.C. Li, H.B. Sun, Q. Qin, H.C. Yu, W. Lu, Failure of bolt support and experimental study on the parameters of bolt-grouting for supporting the roadways in deep coal seam, *Engineering Failure Analysis* (2017), doi: 10.1016/j.engfailanal.2017.06.025

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Failure of bolt support and experimental study on the parameters of bolt-grouting for supporting the roadways in deep coal seam

R. Pan^{a,b}, Q. Wang^{a,b,c,*}, B. Jiang^{a,d}, S.C. Li^a, H.B. Sun^a, Q. Qin^a, H.C. Yu^a, W. Lu^a

a Research Center of Geotechnical and Structural Engineering, Shandong University, Jinan 250061, China;

b Key Laboratory of Safety and High-efficiency Coal Mining, Ministry of Education (Anhui University of Science and Technology), Huainan, 232001, China;

c Key Laboratory for Geomechanics and Deep Underground Engineering, China University of Mining & Technology (Beijing), Beijing 100083, China;

d School of Civil Engineering and Architecture, University of Jinan, Jinan 250022, China

Download English Version:

https://daneshyari.com/en/article/5013505

Download Persian Version:

https://daneshyari.com/article/5013505

Daneshyari.com