工程技术发展
3 5 1.0 2022
Engineering Technology Development
文章类型：论文 | 刊号（ISSN）：2737-4505(P) / 2737-4513(O)

公路桥隧工程施工灌浆加固技术应用研究

250000

DOI:10.12238/etd.v3i5.5551

摘　要：在我国公路建设事业发展进程逐步加快的时代背景下，道路交通体系也日趋完善。在公路桥梁工程项目中，部分路段需要进行隧道施工，公路隧道施工质量要求非常严格，但是，在受到天气以及施工等因素的影响下，会在不同程度上对隧道工程施工质量产生负面影响，增加隧道工程出现裂缝的几率，而灌浆法加固技术的应用，能够有效改善裂缝问题。鉴于此，本文立足于公路桥梁隧道工程灌浆加固技术的基本原理以及应用优势，围绕该项技术的实际应用展开如下探讨。

关键词：公路桥梁；隧道工程；灌浆加固法
中图文献号：TU722　**文献标识码：**A

Application of Highway Bridge and Tunnel Engineering

Sen Yang
Shandong Dongqing Highway Co., Ltd. Shandong Jinan 250000

Abstract: In the context of accelerating the gradual development process of highway construction in China, the road traffic system is becoming more and more perfect. In highway bridge engineering project, part of the need for tunnel construction, highway tunnel construction quality requirements are very strict, however, under the influence of the weather and construction factors, will negatively affect in different degrees to the tunnel construction quality, increase the chance of tunnel engineering cracks, and the application of grouting reinforcement technology, can effectively improve the crack problem. In view of this, this paper is based on the basic principle and application advantages of the grouting and reinforcement technology of highway bridge and tunnel engineering, and discusses the practical application of this technology as follows.

Keywords: Highway bridge; Tunnel engineering; Grouting reinforcement method

1 公路桥梁隧道工程灌浆法加固的基本原理及应用优势

3

1.1

4

2 公路桥梁隧道工程中裂缝形态及成因

2.1

1

[1]

1.2

2

3

1

2

[2]

文章类型：论文 | 刊号（ISSN）：2737-4505(P) / 2737-4513(O)

2.2

0.3~0.5MPa

2.2.1

3.3

1

30

5mm 20

2.2.2 30cm

2.2.3

[5]

3.4

[3]

2.2.4

3 灌浆加固技术在公路桥梁隧道建设过程中的实际应用

3.1

1

2

3.5

3

10min 20L/min

[4]

3.2

30min

4 灌浆法加固技术在特殊情况下的应用

4.1

[6]

4.2

4.3

5 结语

参考文献：

[1] .
[J]. ,2019,38(22):155-157.
[2] .
[J]. ,2019,(18):100-101.
[3] .
[J]. ,2019,(06):115-116.
[4] .
[J]. ,2019,(12): .
[5] .
[J]. ,2019,(02):76.
[6] .
[J]. ,2018,(22):157-158.