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GB/T 43239-2023

Specifications for the setting of signs in urban utility tunnel

城市综合管廊标识设置规范

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents" Drafting. Please note that some content in this document may be subject to patents. The publisher of this document assumes no responsibility for identifying patents. This document is proposed and coordinated by the National Urban Public Facilities Service Standardization Technical Committee (SAC/TC537). This document was drafted by: China Construction Third Engineering Bureau Installation Engineering Co., Ltd., Hubei Institute of Standardization and Quality, China Institute of Standardization, Hubei Institute of Standardization and Quality Beiguang Valley Standard Innovation Technology Co., Ltd., Beijing Institute of Standardization, Guangdong Transportation Planning and Design Institute Group Co., Ltd., Shanghai Municipal Engineering Design and Research Institute (Group) Co., Ltd., China Construction Third Engineering Bureau First Construction Engineering Co., Ltd., China Construction Third Engineering Bureau Intelligent Technology Co., Ltd., CCCC Second Navigation Engineering Bureau Co., Ltd., China Construction Third Engineering Bureau

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As the pace of urban development and construction continues to accelerate, the country and various regions have introduced relevant policies to actively promote the construction of urban comprehensive pipe corridors. The document comprehensively analyzes the construction and application process of comprehensive pipe corridors in various regions based on the investigation of the current status and needs of pipe corridor signage in different regions in the country. There are problems such as lack of signs or inconsistent and non-standard settings. The establishment of standards for the identification of urban comprehensive pipe corridors is proposed to provide domestic pipe corridors with Provide a basis for the setting of the identification system, thereby standardizing the identification system of the pipe gallery, improving the operation and maintenance efficiency of the pipe gallery, and providing information for the safe operation of the pipe gallery. Necessary safeguards. Specifications for setting signs of urban comprehensive pipe corridors

1 Scope

GB/T 43239-2023 specifies the signage of urban utility tunnels. A utility tunnel is kilometres of confined space underground carrying water, power, gas and communications in separate compartments, entered by maintenance crews from several different utilities who each know their own cable and nothing about the tunnel. In an emergency the signs are the only thing telling them which way the nearest escape shaft is. The standard classifies the signs and sets the general requirements, then the requirements for setting them at each location - the compartments, the entrances, the hoisting openings, the escape routes, the intersections, the pipeline branch points, the control centre and elsewhere in the tunnel - followed by the production and installation, the acceptance and the maintenance management, with an informative annex giving the graphic style of the main public information signs. It took effect on 1 April 2024.

This document gives the identification classification of urban comprehensive pipe corridors, and stipulates the overall requirements, on-site setting requirements, production and installation, acceptance and maintenance manage. This document is applicable to the signage setting and management of urban comprehensive pipe gallery projects.

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, the dated quotations For undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document.

GB/T 2893.1 Graphical symbols safety colors and safety signs Part

3 Terms and definitions

The terms and definitions defined in GB 2894, GB 50838, GB/T 15565 and the following apply to this document.

3.1 Integrated pipe gallery utilitytunnel Structures and ancillary facilities built underground in cities to accommodate two or more types of urban engineering pipelines. [Source: GB 50838-2015,2.1.1]

3.2 safety signsafety sign Conveying specific security information formed by graphical symbols presented in geometric shapes formed by a background color and/or a border formed by security colours. information identification. [Source: GB/T 15565-2020, 5.2.1, with modifications]

3.3 The joint between the internal pipelines of the integrated pipe gallery and the external directly buried pipelines.