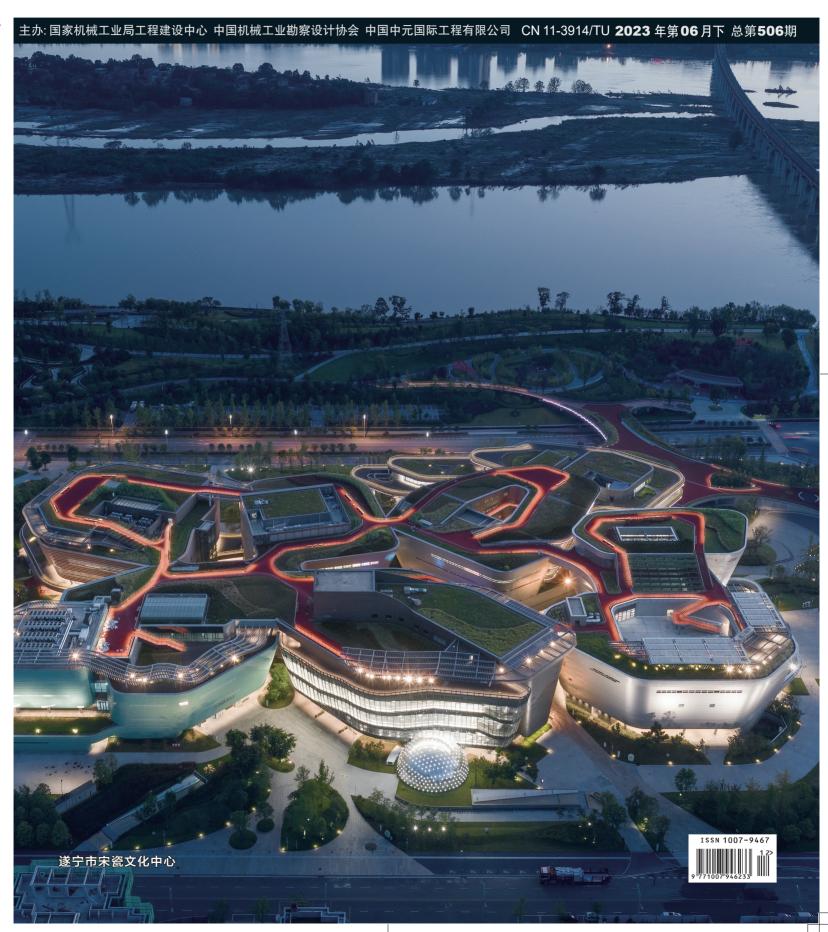
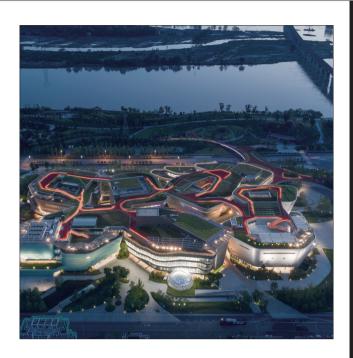


工程建设与设计



C O N T E N T S



建筑与结构设计

- 01 城市商业购物中心建筑设计研究(倪纪峰)
- 04 城市滨江景观带设计探析——以重庆市主城区 "两江四岸"治理提升长江南岸线贯通工程为例 (汤玮)
- 07 园林绿化设计中植物造景的作用及艺术手法分析——以幸福河生态公园为例(刘雯菲)
- 10 邵逸夫医院康桥院区门诊医技楼结构抗震性能化设计(李小军,吴勇华)
- 13 半导体厂房钢结构节点优化应用探讨(闵小奎, 张守用,许鹏)

基础工程设计

- 16 深基坑支护工程中拉森钢板桩的应用分析 (胡龙,王超,杨志祥,赵韬,杨国祥)
- 19 工程地质勘察中出现的问题与对策(周国胜)
- 22 矿山地质灾害生态环境恢复治理的难点及对策 (徐士民)
- 25 土工格室护坡在填石路堤生态防护中的适用性研究(牛力达,张子阳)

公用工程设计

28 节能技术在集中供热系统改造工程中的应用探讨 (张建亭)

2023 / 06 下 / 目次

- 31 工业厂房给排水及消防设计方法探讨(李莉)
- 34 榆林某体育中心项目给水排水设计要点分析 (鲍益华)
- 37 高速公路服务区停车场储能式充电站的解决方案 (梅南)
- 40 民用建筑电气火灾原因调查及防范策略(朱晖)
- 43 电子洁净工业厂房建筑消防设计分析(王竟萱)
- 46 高层工业厂房建筑防火设计要点分析(李静)
- 49 钢结构建筑防火保护关键问题及对策解析(蒋乾)

市政・交通・水利工程设计

- 52 关于区间疏散平台与车站站台板连接设计的研究 (马英乔)
- 55 地铁换乘通道安全疏散分析(吴蔚蓝,段劲夫)
- 58 基于海绵城市理念下的城市公园景观设计 (吴福琳,朱君霖)
- 61 北非地区公路桥头跳车原因分析及防治措施 (朱晓义,李玉普,刘泽)
- 64 内河深水急流区现浇梁组合支架设计与施工 (刘振发,周锦,马玉龙,周康生)
- 67 乡村道路两侧绿化植被景观改造优化策略研究 (方青)
- 70 青岛地铁1号线车辆选型及运营方案研究 (黄启友)
- 73 基于Kerr地基模型盾构隧道施工对既有管线变形 影响的简化算法
 - (韩守程,郑康龙,王献明,高涛,刘力丹)

工业工程设计

- 76 基于水动力分析的锅炉水冷壁壁温控制策略分析 (王军亮,孙慧峰,孙海佳)
- 79 盾尾椭圆形结构有限元分析及强度验算 (陈明江,陈昕琰)
- 82 某绕管式原料气冷却器泄漏失效原因分析及改进 措施(陈水莲)
- 85 石油化工球罐基础设计探讨(董龙)
- 88 大口径附塔管道的支架设计(马新龙)
- 91 塔式起重机的设计及生产技术研究 (陈强,周洪)

环境工程设计

- 94 类镁铝水滑石吸附水中磷的机制研究 (陈超)
- 98 横沙乡农村生活污水资源化处理模式探索 (于芬)

智能与信息化

- 101 BIM技术与装配式建筑技术协同研究(刘靖)
- 104 基于光纤传感器的铁路工程边坡形变检测研究 (郭传臣,杨敏)
- 107 数字化测绘与信息化测绘的关系研究(陈冲)

工程施工技术

- 110 浅谈高速公路试运营期内路基路面沉陷处理措施 (张明)
- 114 探讨高层建筑钢结构吊装施工技术要点 (吴灏斌,张楠祥,孟珊,陈筛,马宇希)
- 117 超高层建筑混凝土泵送施工工艺分析 (赵梓彤,刘迪,孟珊,罗展浩,余健豪)
- 120 钢木结构大跨度曲屋面施工技术研究 (李胜, 聂新波, 李志宏, 董光, 李明)
- 123 市政桥梁工程钢筋预应力混凝土箱梁施工技术分析(陈顺元)
- 126 装配式建筑施工技术运用在建筑工程中的研究 (李阳)
- 129 市政排水管道定向钻进施工控制要点(吴鹏亮)
- 132 盾构下穿机场的变形控制研究及监督管理 (俞南均,周伟平)
- 135 排水降噪型沥青路面在养护工程中的应用研究 (高谋)
- 138 穹形网壳钢结构屋架滑移安装工艺技术(贺军平, 何宗锋)
- 142 大型工业厂房建筑钢结构施工技术问题分析 (甘顺成)
- 145 高性能弹性外墙涂料配方设计及其影响因素研讨 (廖彦翔,易璐,王安,唐秉诏,唐香敏)
- 148 高速公路软基处理中薄壁管桩施工技术的应用 (王松松)
- 151 抗裂性水泥稳定碎石基层在公路工程中的应用 (张曼)
- 154 浅谈三一筑工SPCS装配式混凝土建筑结构体系应 用(宋志友)
- 157 工业与民用建筑施工中混凝土结构裂缝形成及预 防研究(张建威,张鑫)
- 160 建筑工程测绘技术存在的问题与优化措施探究 (祝俊然)
- 163 公路工程施工中水稳基层裂缝的防治(杨涛)
- 166 公路路基路面检测中回弹弯沉检测方法的应用 (杨杰)
- 169 公路桥梁灌注桩基础和墩柱施工常见质量问题及 控制措施(郝成凯)

2023 / 06 下 / 目次

- 172 园林施工中反季节种植技术的应用研究(潘长洪)
- 175 SBS改性沥青超薄磨耗层在高速公路养护中的应用 (孙海飞)
- 178 砂砾卵石土路基填筑技术在高速公路工程中的应用(师加)
- 181 墩柱抱箍支架法在高速公路盖梁施工中的应用 (李志强)
- 184 建筑工程建设中的钢筋工程施工方法要点(张锦铎)
- 187 超厚宽幅水泥稳定碎石基层施工工艺研究(李芬)
- 190 高层住宅建筑给排水系统施工技术要点分析 (邹鹏威,刘斌,孟珊,李文,刘书维)
- 193 深基坑支护施工技术在建筑工程施工中的运用 (赵文吉)
- 196 明挖基坑岩溶处理施工技术研究(高威)
- 200 公路桥梁施工中的预应力施工技术应用 (李宝英,李保莲,赵成良,丁志浩)
- 203 建筑主体结构工程施工核心技术(陈光辉)
- 206 高速公路桥梁养护与维修加固的施工技术分析 (赖雪锋)
- 209 坡沟防护背景下的环保MBER土壤固化剂的研发与 应用(阎敬)
- 212 灰岩地区复杂地质条件对桩基施工的影响及应对 措施(马江伟,高威)
- 215 电线电缆检测技术和检测方法探讨 (许丹,陈志强,张卫龙)
- 218 钢结构装配式被动房的围护结构研究(李伟恒)

工程项目管理

- 221 大型建筑装修工程建设项目管理分析(李飞)
- 224 EPC工程总承包模式下的设计与施工管理对策探讨 (茹幸,姬永铁,李波,倪爱所)
- 227 基于设计牵头的EPC项目设计管理要点研究分析 (高振坤)
- 230 设计牵头EPC总承包项目联合体深度融合管理 (宋常信)
- 233 基于精益建造理论的建筑工程管理模式探究 (计晨渝,钱钧)
- 236 工程测量信息化和测绘工程质量管理研究 (朱刚艳)
- 239 民用建筑施工图设计中的常见问题与实践探究 (区振勇)
- 242 城市地下空间开发存在的问题及对策(武文婷)



Architectural and Structural Design

- **01** Study on Architectural Design of Urban Commercial Shopping Center(NI Ji-feng)
- 04 Analysis on the Design of Urban Riverside Landscape Belt— Taking the "Two Rivers and Four Banks" Governance and Upgrading of the South Bank of the Yangtze River in the Main Urban Area of Chongqing as an Example(TANG Wei)
- 07 Analysis of the Role and Artistic Techniques of Plant Landscaping in Landscape Design——Taking Xingfuhe Ecological Park as an Example(LIU Wen-fei)
- 10 Structure Seismic Performance Design of Outpatient Medical Technology Building in Kangqiao Area of Sir Run Run Shaw Hospital(LI Xiao-jun, WU Yong-hua)
- 13 Discussion on the Application of Optimization of Steel Structure Joints in Semiconductor Factory Building(MIN Xiao-kui, ZHANG Shou-yong, XU Peng)

Engineering Design of the Ground

- Application Analysis of Larsen Steel Plate Pile in Deep Foundation Pit Support Engineering(HU Long, WANG Chao, YANG Zhi-xiang, ZHAO Tao, YANG Guo-xiang)
- 19 Problems in Engineering Geological Survey and the Countermeasures(ZHOU Guo-sheng)
- 22 Difficulties and Countermeasures of Ecological Environment Restoration and Management of Mine Geological Disasters (XU Shi-min)
- 25 Research on the Applicability of Geocell in the Ecological Protection of Rock-Fille Embankment(NIU Li-da, ZHANG Zi-yang)

Public Utilities Design

28 Exploring the Application of Energy-Saving Technology in the Renovation Project of Centralized Heating System(ZHANG Jian-ting)

2023 / 06B / CONTENTS

- 31 Discussion on Design Method of Water Supply and Drainage and Fire Protection of Industrial Plant(LI Li)
- 34 Analysis of Water Supply and Drainage Design Points of a Sports Center Project in Yulin(BAO Yi-hua)
- 37 Solution of Energy Storage Charging Station in Parking Lot of Expressway Service Area(MEI Nan)
- **40** Cause Investigation and Prevention Strategy of Electrical Fire in Civil Buildings(ZHU Hui)
- **43** Fire Protection Design and Analysis of Electronic Clean Industrial Plant Building(WANG Jing-xuan)
- **46** Analysis of Key Points of Fire Protection Design for High-Rise Industrial Buildings(LI Jing)
- **49** Analysis of Key Problems and Countermeasures of Fire Protection in Steel Structure Building(JIANG Qian)

Municipal·Traffic·Water Resources Engineering Design

- **52** Research on Connection Design of Section Evacuation Platform and Station Platform Plate(MA Ying-qiao)
- 55 Safety Evacuation Analysis of Subway Transfer Channel (WU Wei-lan, DUAN Jin-fu)
- 58 Urban Park Landscape Design Based on Sponge City Concept(WU Fu-lin, ZHU Jun-lin)
- **61** Cause Analysis and Prevention Measures of Vehicle Jumping at Highway Bridge Head in North Africa(ZHU Xiao-yi, LI Yu-pu, LIU Ze)
- 64 Design and Construction of Cast-in-Place Beam Combination Support in Deep Rapids of Inland River(LIU Zhen-fa, ZHOU Jin, MA Yu-long, ZHOU Kang-sheng)
- 67 Study on Optimization Strategy of Landscape Transformation of Greening Vegetation on Both Sides of Rural Road(FANG Qing)
- **70** Study on the Vehicle Selection and Operation Scheme of Qingdao Metro Line 1(HUANG Qi-you)
- 73 Simplified Algorithm for the Influence of Shield Tunnel Construction on Existing Pipeline Deformation Based on Kerr Foundation Model(HAN Shou-cheng, ZHENG Kang-long, WANG Xian-ming, GAO Tao, LIU Li-dan)

Industrial Engineering Design

- **76** Analysis of Boiler Water Wall Temperature Control Strategy Based on Hydrodynamic Analysis (WANG Jun-liang, SUN Hui-feng, SUN Hai-jia)
- 79 Finite Element Analysis and Strength Checking on the Rear Elliptic Part of TBM(CHEN Ming-jiang, CHEN Xin-yan)
- **82** Analysis of Leakage Failure Cause and Improvement Measures of a Coiled Raw Gas Cooler(CHEN Shui-lian)
- **85** Discussion on the Design of Spherical Tank Foundation in Petrochemical Industry(DONG Long)
- 88 Support Design of Large Diameter Attached Tower Pipeline (MA Xin-long)
- **91** Research on Design and Production Technology of Tower Crane(CHEN Qiang, ZHOU Hong)

Environment Engineering Design

- 94 Study on the Mechanism of Phosphorus Adsorption from Water by Magnesium-Like Aluminum Hydrotalcite(CHEN Chao)
- 98 Exploration on Resource Treatment Mode of Rural Domestic Sewage in Hengsha(YU Fen)

C O N T E N T S

Intelligentialize and Informatization

- 101 Technology Collaborative Analysis of BIM Technology and Prefabricated Building(LIU Jing)
- **104** Research on Deformation Detection of Railway Engineering Slope Based on Fiber Optic Sensors(GUO Chuan-chen, YANG Min)
- **107** Research on the Relationship Between Digital Mapping and Information-Based Mapping(CHEN Chong)

Construction Technology

- **110** Discussion on Treatment Measures of Subgrade and Pavement Subsidence During Trial Operation of Expressway(ZHANG Ming)
- 114 Discussion on Key Points of Steel Structure Hoisting Construction Technology for High-Rise Buildings(WU Hao-bin, ZHANG Nan-xiang, MENG Shan, CHEN Shai, MA Yu-xi)
- 117 Analysis of Concrete Pumping Construction Technology for Super High-Rise Buildings(ZHAO Zi-tong, LIU Di, MENG Shan, LUO Zhanhao, YU Jian-hao)
- 120 Research on the Construction Technology of Large-Span Curved Roof of Steel and Wood Structure(LI Sheng, NIE Xin-bo, LI Zhi-hong, DONG Guang, LI Ming)
- **123** Construction Technology Analysis of Reinforced Prestressed Concrete Box Girder in Municipal Bridge Engineering(CHEN Shun-yuan)
- **126** Research on the Application of Prefabricated Building Construction Technology in Construction Engineering(LI Yang)
- **129** Control Points of Directional Drilling Construction of Municipal Drainage Pipeline(WU Peng-liang)
- **132** Research on Deformation Control and Supervision of Underpass Airport of Shield(YU Nan-jun, ZHOU Wei-ping)
- 135 Research on the Application of Drainage Noise Reduction Asphalt Pavement in Maintenance Engineering(GAO Mou)
- **138** Sliding Installation Technology of Roof Frame of Steel Structure with Dome Reticulated Shell(HE Jun-ping, HE Zong-feng)
- **142** Analysis of Steel Structure Construction Technology Problems of Large Industrial Plant Buildings(GAN Shun-cheng)
- 145 Study on Formula Design and Influencing Factors of High Performance Elastic Exterior Wall Coatings(LIAO Yan-xiang, YI Lu, WANG An, TANG Bing-zhao, TANG Xiang-min)
- **148** Application of Thin-Walled Pipe Pile Construction Technology in Soft Foundation Treatment of Expressway(WANG Song-song)
- **151** Application of Crack Resistant Cement Stabilized Macadam Base in Highway Engineering(ZHANG Man)
- **154** Application of PCTEAM Construction Engineering SPCs Fabricated Concrete Building Structure System(SONG Zhi-you)
- 157 Study on the Formation and Prevention of Concrete Structure Cracks in Industrial and Civil Construction(ZHANG Jian-wei, ZHANG Xin)
- **160** Problems and Optimization Measures of Surveying and Mapping Technology of Construction Engineering(ZHU Jun-ran)
- **163** Prevention and Control of Water Stable Base Crack in Highway Engineering Construction(YANG Tao)
- 166 Application of Rebound Deflection Detection Method in Highway Subgrade and Pavement Detection(YANG Jie)
- **169** Common Quality Problems and Control Measures in the Construction of Pile Foundation and Pier of Highway Bridge(HAO Cheng-kai)
- **172** Research on Application of Off-Season Planting Technology in Garden Construction(PAN Chang-hong)

2023 / 06B / CONTENTS

- **175** Application of SBS Modified Asphalt Ultra-Thin Wear Layer in Expressway Maintenance(SUN Hai-fei)
- 178 Application of Gravel Subgrade Filling Technology in Expressway Engineering(SHI Xu)
- **181** Application of Pier Column Hoop Support Method in the Construction of Expressway Cover Beam(LI Zhi-qiang)
- **184** Key Points of Reinforcement Engineering Construction Methods in Building Engineering Construction(ZHANG Jin-duo)
- **187** Study on Construction Technology of Super Thick and Wide Cement Stabilized Macadam Base(LI Fen)
- 190 Analysis of Construction Technology of Water Supply and Drainage System in High-Rise Residential Buildings(ZOU Peng-wei, LIU Bin, MENG Shan, LI Wen, LIU Shu-wei)
- **193** Application of Deep Foundation Pit Support Construction

 Technology in Building Engineering Construction(ZHAO Wen-ji)
- 196 Study on Construction Technology of Karst Treatment in Open Excavation(GAO Wei)
- 200 Application of Prestressing Construction Technology in Highway Bridge Construction(LI Bao-ying, LI Bao-lian, ZHAO Cheng-liang, DING Zhi-hao)
- **203** Core Construction Technology of Building Main Structure Engineering(CHEN Guang-hui)
- 206 Analysis on Construction Technology of Highway Bridge Maintenance and Repair Reinforcement(LAI Xue-feng)
- 209 Development and Application of Environmentally Friendly MBER Soil Solidifying Agent Under the Background of Slope and Gully Protection(YAN Jing)
- 212 Influence of Complex Geological Conditions on Pile Foundation Construction in Limestone Area and the Countermeasures (MA Jiang-wei, GAO Wei)
- **215** Discussion on Detection Technology and Method of Wire and Cable(XU Dan, CHEN Zhi-qiang, ZHANG Wei-long)
- **218** Research on the Envelope Structure of Fabricated Passive House with Steel Structure(LI Wei-heng)

Project Management

- 221 Management Analysis of Large-Scale Building Decoration Project (LI Fei)
- 224 Discussion on Design and Construction Management Strategies
 Under EPC Project General Contracting Mode(RU Xing, JI Yong-tie,
 LI Bo, NI Ai-suo)
- **227** Research and Analysis of Management Key Points of EPC Project Design Based on Design-Led Design(GAO Zhen-kun)
- 230 Deep Integration Management of EPC General Contracting Project Consortium Led by Design(SONG Chang-xin)
- 233 Research on Management Mode of Construction Project Based on Lean Construction Theory(JI Chen-yu, QIAN Jun)
- 236 Research on Informatization of Engineering Surveying and Quality
 Management of Surveying and Mapping Engineering
 (7HLL Gangevan)
- **239** Common Problems and Practice Exploration in Civil Construction Drawing Design(OU Zhen-yong)
- **242** Problems and Countermeasures of Urban Underground Space Development(WU Wen-ting)

中国中元国际工程有限公司 CHINA IPPR INTERNATIONAL ENGINEERING CO.,LTD.