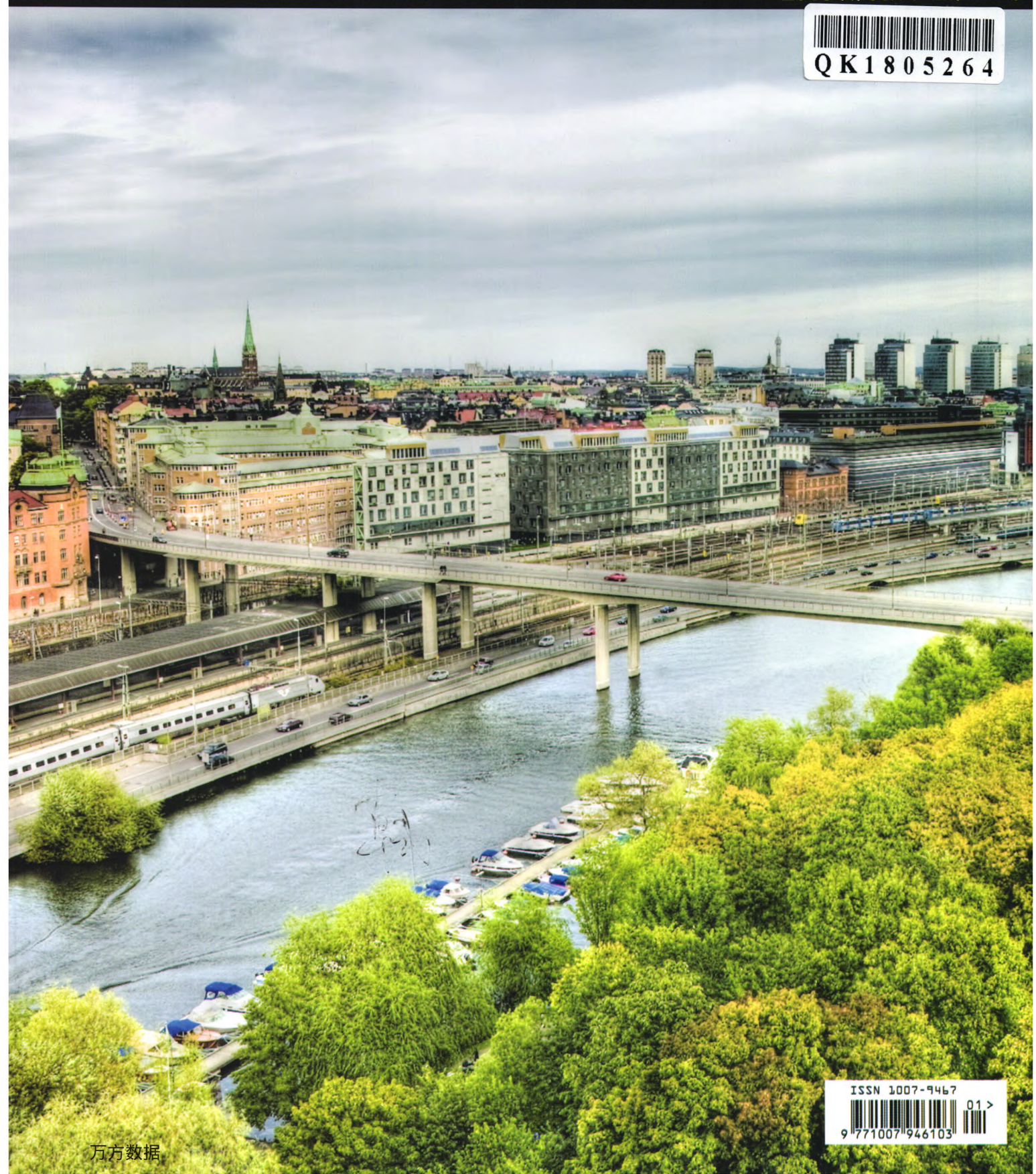




# 工程建设与设计

主办: 国家机械工业局工程建设中心 中国机械工业勘察设计协会 中国中元国际工程有限公司 CN 11-3914/TU 2018年第01月下 总第376期



ISSN 1007-9467



9 771007 946103

01 >



**建筑与结构设计**

- 1 建筑结构设计中的问题与对策 (季建平)
- 3 桁架式钢通廊的分析与设计 (侯淑亮)
- 6 浅谈城乡规划设计中的生态建筑设计 (刘飞)
- 8 室内精装设计管理流程优化探究 (赵朝)
- 10 工程设计微观范围拓展与安全防护设计 (韩雪峰)
- 12 建筑能耗增长影响因素的研究及STTRQFT模型的应用 (王志刚)
- 16 基于生态文明视野下的城乡规划转型发展分析 (陈笛)
- 18 海绵城市理论及其在城市规划中的实践 (杜萧翔)
- 20 在地文化的传承与发展 (陆辉煌)
- 22 探析三维激光扫描仪在建筑物立面测量中的应用 (王波)
- 24 关于工程测量定位和放线控制的研究 (刘强)
- 26 基于格式构柱剪切变形的重钢厂房的优化设计 (常涌)
- 28 建筑结构设计中的问题与解决策略 (师卫锋)
- 30 刍议现代建筑屋顶花园景观设计 (王士杰)
- 32 浅析有轨电车站建筑设计 (霍婷)
- 34 实测实量的几点见解 (许秀冬)
- 36 三维激光扫描技术在建筑物立面测量中的应用 (张文洪)
- 38 关于叠樑同台换乘车站的站内布置分析 (韩朝言)
- 40 城市规划和土地规划对城市建设用地扩张的影响研究 (李云霞)

**基础工程设计**

- 42 雅泸高速公路隧道洞口处治方案探讨 (冯东蛟)
- 44 岩土工程勘察设计与施工中水文地质问题探析 (聂书斌, 张立伟, 纪迎超, 李文韬)
- 46 水利水电基础工程与地基处理技术的现状分析和研究 (魏崧)
- 48 软土地基及水工构筑物自动监测技术研究 (田立强, 韩剑波)
- 51 房屋建筑工程中钻孔灌注桩施工技术的应用分析 (杨文斌)
- 53 井下大型贯通测陀螺定向边的重要性及其精度分析 (李孝茂)
- 55 如何探明施工现场的地下障碍物 (曹军波, 郭军)
- 57 煤矿深部开采地质热害治理技术应用与对策 (周立军)
- 59 对路桥施工中软土路基的施工技术要点分析 (侯建伟)
- 61 石英粉用于预应力高强混凝土管桩的性能分析 (刘云)
- 63 全站仪三联导线测量法在煎茶岭矿山中的应用 (田世义, 李松, 麻仲宁, 袁策)
- 65 公路桥梁隧道软土地基处理对策 (吴达)
- 67 岩土设计中可靠性分析的应用 (周小明, 马艳秋)
- 69 试论当代测绘新技术在测绘工程中的应用 (刘永建)
- 71 探析公路桥梁桩基施工技术及其混凝土的质量控制 (李广琪)
- 73 RTK技术在水深测量中的应用 (张秀祥)
- 75 市政道路施工中软基加固技术的应用 (岳学军)

- 77 杨桥船闸深基坑土方开挖及降排水施工 (牛之雷)
- 79 山区高速公路路基沉降病害分析与治理 (杨献洲)
- 81 场地平整中三角网模型的应用研究 (李增超, 徐育涛, 张西稳)
- 83 劈山填海造地场区钻孔灌注桩护筒埋设的探讨 (李天生, 郑权恒, 王玉军)
- 85 岩土工程勘察中常见问题分析和解决对策研究 (王才勇)
- 87 箱型格宾加筋挡土墙的数值模拟研究 (杜留杰)

**公用工程设计**

- 90 集成冷站系统设计要点分析研究 (于竺昕, 张训玉)
- 93 水源热泵中央空调系统设计及经济性分析 (马佳钰)
- 95 既有接触网软横跨更换施工方法探讨 (沈凌云)
- 97 引风机出力不足原因分析及解决措施 (李珺, 李小宇, 高维广, 时瑞生)
- 99 保障500kV变电站二次设备安全可靠运行的措施分析 (鲁力)
- 101 巴基斯坦Neelum Jehelum水电站自冷式离相封闭母线系统方案设计 (吴云彤, 赵立波)
- 103 600MW亚临界机组锅炉设备优化改造研究 (王飞)
- 105 浅析综合管廊电气设计思路及具体方式 (谢彩红)
- 107 浅析高层建筑电气火灾监控系统 (肖光明)
- 109 关于±1100 kV换流变压器现场故障检修及试验探讨 (燕飞东, 张涛, 刘军, 侯仪)
- 111 受电弓与接触网系统电接触特性初探 (董建明)
- 113 焦炉煤气的爆炸危险分级分组 (郭宗魁)
- 115 分析光网络网管系统脆弱性及安全光网络建设对策 (朱宗国)
- 117 国内金属火灾灭火技术的研究进展 (郑程)

**市政·交通·水利工程设计**

- 119 基于LID技术的雨水管理与利用施工方法研究 (邱岳丹)
- 121 探讨公路桥梁建设中存在的问题及解决对策 (莫轻文, 陈景丽)
- 123 现阶段公路桥梁设计及其抗震优化研究 (赵雪萍)
- 125 公路工程施工路面平整度影响因素及策略研究 (唐士云)
- 127 浅析结构化设计在道路桥梁设计中的应用 (田许)
- 129 农村公路水泥路面常见病害的养护措施 (起志龙)
- 131 地铁给排水设计要点分析 (高庆园)
- 133 高速公路养护新技术在节能减排中的应用研究 (刘志献)
- 135 独柱墩桥梁的结构稳定性分析 (张爱民)
- 137 公路工程路基路面压实施工技术措施分析 (刘敬平)
- 139 武汉市新型城镇化之交通方式与城市空间形态 (汪峰, 蔡辉, 罗勇刚)
- 141 钢-混结合连续梁墩顶负弯矩区应力控制措施研究 (车文庆, 李传琳)



- 144 道路桥梁设计和施工中的隐患及解决措施分析(于兴达)  
 146 浅谈市域快轨后期运营的优化(逯逸轩)  
 148 沥青混合料的质量控制(盛士刚)  
 150 山区铁路选线影响要素分析(赵真富)  
 152 桥梁设计中隔震设计的重要性分析(曾崙)  
 154 试析道路桥梁设计中的问题和施工中的裂缝成因(谷进会)

### 制造工程设计

- 156 现场管道腐蚀问题的分析与解决方案(林虎)  
 158 薄壁深腔零件的机械加工工艺探讨(张慧,刘国文)  
 160 转炉炼钢系统技术与设备的发展(李鸿)

### 能源工程设计

- 163 节能技术在燃煤机组上的研究与应用  
 (王森,王桂林,边疆,周义刚,薛泽海)

### 环境工程设计

- 165 室外兰园的景观营造浅谈(曾祥杰)  
 168 典型焦化废水处理工艺优化研究(张云涛)  
 170 高速公路声环境影响评价及相应的降噪措施(王金璐)  
 172 高浓度工业废水与恶臭气体耦合处理技术研究(丁志刚)

### 工程施工技术

- 174 高速公路桥梁高墩的施工技术分析(尤虹霞)  
 176 山区高速公路桥梁施工技术及其特点(张静)  
 178 公路桥涵台背回填施工技术及管理(闫栋斌)  
 180 探究绿色施工技术在建筑工程中的应用(安绪杰)  
 183 低净空架梁施工技术探讨(魏峰伟)  
 185 公路施工中软土路基的施工技术处理研究(黄华杰)  
 187 既有电气化铁路新增明(棚)洞、隧道接长施工关键技术及经济分析(晏才学)  
 189 高性能混凝土配合比设计及其存在的问题(梁衍涛)  
 191 C70高性能混凝土在国家智能电网研发交流中心的应用  
 (姜三营,胡耀洲,聂法智,史子奇,张维)  
 194 转体连续梁施工控制与静摩擦系数计算探讨(赵国庆)  
 197 岩溶区冲孔灌注桩施工及其溶洞处理措施(张勇)  
 200 GANNTANS隧道初期支护开裂变形分析及处理(梁稽哲)  
 203 超低净空箱梁架设施工技术探讨(江小进)  
 205 80m 双线铁路钢桁梁安装施工技术(丁胜)

### 工程项目管理

- 207 公路计量过程中的常见问题与对策(武静)

- 209 公路施工综合性项目成本管控的要点研究(王霞)  
 211 论对大型工程项目的控制管理(季俊)  
 213 公共工程项目决策中的公众参与障碍与对策研究(李鑫)  
 216 建筑工程造价预算中存在的问题及控制对策分析(李晨)  
 218 发挥专业咨询机构作用,助力PPP项目顺利开展(贺志涛)  
 220 浅谈施工阶段的工程造价管理(王羽)  
 222 绿色施工理念下建筑施工管理方式创新(侯显俊)  
 224 浅议高速公路桥梁工程造价编制要点(张秀琴)  
 226 新形势下工程经济管理风险分析及防范措施探究(金海平)  
 228 公路工程招投标阶段的造价控制和管理(黄丹丹)  
 230 高速公路路面养护工程的施工质量管理过程研究(李铭洋)  
 232 高速公路养护管理研究(李海军)  
 234 基于建筑装饰工程的项目管理方法和措施分析(穆广进)  
 236 山区高速公路设计阶段造价控制管理(谢海洋)  
 238 工程量清单计价单价合同模式下工程计量监理控制要点  
 (张会烈,赵志)  
 240 大型桥梁成本控制与全寿命周期成本探讨(程宏伟)  
 242 浅析路桥工程项目管理中存在的问题及应对措施(黄柏华)  
 244 棚户区改造项目采用PPP模式的几点思考  
 (王晓宁,杨珊珊)  
 246 建筑垃圾资源化利用(赵兴建)

### 智能与信息化

- 248 奴尔水库大坝GPS智能碾压管理系统的应用(党江亮)  
 250 无人机遥感技术在农村土地承包经营权中的运用(李玉梅)  
 252 GNSS控制网已知点兼容性检验方法探讨(吕建涛)  
 256 房产测绘中3S技术的应用研究(高超)  
 258 刍议房地产测绘及成果管理系统的应用(王瑞林)  
 260 三维激光扫描技术在隧道工程检测中的应用(薛松)  
 262 浅谈咸宁市HBCORS网系统坐标转换的精度分析(陈平)  
 264 CAD二次开发及在矿山测量中的应用(李力)  
 266 大数据云计算时代下企业数据中心节能技术的探讨  
 (张会会)  
 268 无人机航测成图精度研究(王志明)  
 271 电梯安全性远程监控技术与故障诊断(陶陶)  
 273 发动机服务性资料模块化数据配置管理的研究  
 (闫玉,刘栋,李小燕,谭磊,傅连朋)  
 275 基于主干网设计视角下的高速公路联网收费数据通信研究  
 (范敬光)  
 277 智慧矿山中LTE无线局域专网建设方案研究(程明,沈凯)  
 279 地理信息公共服务平台电子地图制作及服务发布技术探讨  
 (余磊)



**Architectural and Structural Design**

- 1 Problems in the Design of Building Structure and the Countermeasures (JI Jian-ping)
- 3 Analysis and Design of Truss-Type Steel Corridor(HOU Shu-liang)
- 6 Introduction to the Ecological Architecture Design in Urban and Rural Planning and Design(LIU Fei)
- 8 The Process Optimization of Interior Hardcover Design and Management (ZHAO Zhao)
- 10 Engineering Design Microscope Extension and Safety Protection Design (HAN Xue-feng)
- 12 Research on the Factors Affecting the Growth of Building Energy Consumption and the Application of STTRQFT Model(WANG Zhi-gang)
- 16 Analysis of Urban and Rural Transformation and Development Under the View of Ecological Civilization(CHEN Di)
- 18 The Theory of Sponge City and Its Practice in Urban Planning(DU Xiao-xiang)
- 20 The Inheritance and Development of Local Culture(LU Hui-huang)
- 22 The Application of 3D Laser Scanner in Building Elevation Measurements (WANG Bo)
- 24 Research on Positioning and Laving Control of Engineering Surveying (LIU Qiang)
- 26 Optimization Design of Heavy Steel Plant Based on the Shear Deformation of Format Structure Column(CHANG Yong)
- 28 The Problems Existing in Architecture Structure Design and the Countermeasures(SHI Wei-feng)
- 30 Introduction to the Landscape Design of Modern Building Roof Garden (WANG Shi-jie)
- 32 Analysis on Construction Design of Tram Station(HUO Ting)
- 34 A Few Points of Actual Measurement(XU Xiu-dong)
- 36 The Application of 3D Laser Scanning Technology in Building Facade Measurement(ZHANG Wen-hong)
- 38 The Station Layout Analysis of Stacked Interchange Transfer Station (HAN Chao-yan)
- 40 Study on the Influence of Urban Planning and Land Planning on Urban Construction Land Expansion(LI Yun-xia)

**Engineering Design of the Ground**

- 42 The Treatment Scheme of Tunnel Portal in YaLu Expressway (FEGN Dong-jiao)
- 44 Analysis of Hydrogeological Problems in Geotechnical Engineering Survey Design and Construction(NIE Shu-bin, ZHANG Li-wei, JI Ying-chao, LI Wen-tao)
- 46 Status Analysis and Development Research of Water Conservancy and Hydropower Infrastructure and Foundation Treatment Technology(WEI Song)
- 48 Research on Automatic Monitoring Technology of Soft Soil Foundation and Hydraulic Structures(TIAN Li-qiang, HAN Jian-bo)
- 51 Application Analysis of Construction Techniques of Bored Piles in Housing Construction Projects(YANG Wen-bin)
- 53 The Importance and Accuracy Analysis of Increasing Gyro Directional Edge Test in Underground Large Cut-Through(LI Xiao-mao)
- 55 How to Verify the Underground Obstacle in Construction Site (CAO Jun-bo, GUO Jun)
- 57 Application and Countermeasure of Geological Heat Hazard Treatment Technology in Deep Coal Mining(ZHOU Li-jun)
- 59 Analysis of Construction Techniques of Soft Soil Subgrade in Road and Bridge Construction(HOU Jian-wei)
- 61 Performance Analysis of Quartz Powder Used in Prestressed High Strength Concrete Pipe Pile(LIU Yun)
- 63 The Application of Total Station Triad Wire Measurement Method in Jianchaling Mine(TIAN Shi-yi, LI Song, MA Zhong-ning, YUAN Ce)
- 65 Soft Soil Foundation Treatment of Highway Bridge and Tunnel(WU Da)
- 67 The Application of Reliability Analysis in Geotechnical Design (ZHOU Xiao-ming, MA Yan-qiu)
- 69 Discussion on the Contemporary New Surveying and Mapping Technology in Surveying and Mapping Engineering(LIU Yong-jian)
- 71 Discussion on the Construction Technology of Highway Bridge Pile Foundation and the Quality Control of Concrete(LI Guang-qi)
- 73 The Application of RTK Technology in Water Depth Measurement (ZHANG Xiu-xiang)

- 75 The Application of Consolidation Methods of Soft Foundation in Municipal Road Construn(YUE Xue-jun)
- 77 Earth Excavation and Dewatering Construction of Deep-Foundation Pit in Yangqiao Lock(NIU Zhi-lei)
- 79 Analysis of the Subsidence Disease of Mountainous Expressway Subgrade and the Treatment(YANG Xian-zhou)
- 81 The Application of Triangular Mesh Model in Site Leveling (LI Zeng-chao, XU Yu-tao, ZHANG Xi-wen)
- 83 Exploration of Embedding Steel Guard Pipe of Bored Piles at the Blasting Mountains and Land Reclamation Site (LI Tian-sheng, ZHENG Quan-heng, WANG Yu-jun)
- 85 Research on Common Problems in Geotechnical Engineering Investigation and the Countermeasures(WANG Cai-yong)
- 87 Numerical Simulation Study of the Gabion Reinforced Soil Retaining Wall (DU Liu-jie)

**Public Utilities Design**

- 90 Research on Design Points of Integrated Cold Station System (YU Zhu-xin, ZHANG Xun-yu)
- 93 Design and Economic Analysis of Central Air Conditioning System of Water Source Heat Pump(MA Jia-yu)
- 95 Construction Method of Changing Head-Span Suspension for Existing Catenary(SHEN Ling-yun)
- 97 Causes Analysis on the Insufficient Output of Induced Draft Fan and the Solutions(LI Jun, LI Xiao-yu, GAO Wei-guang, SHI Rui-sheng)
- 99 Analysis of the Measures for Ensuring Safe and Reliable Operation of Secondary Equipment in 500kV Substation(LU Li)
- 101 Scheme Design of Self-Cooled Isolated Bus System for Pakistan Neelum Jehelum Hydropower Station(WU Yun-tong, ZHAO Li-bo)
- 103 Research on Optimization of Boiler Equipment in 600MW Subcritical Unit (WANG Fei)
- 105 A Brief Analysis of the Electric Design Ideas and Specific Ways of the Utility Tunnel(XIE Cai-hong)
- 107 Shallow Discussion on the Electrical Fire Monitoring System of High-Rise Building(XIAO Guang-ming)
- 109 Field Failure Overhaul and Test of  $\pm 1100$  kV Converter Transformer (YAN Fei-dong, ZHANG Tao, LIU Jun, HOU Yi)
- 111 Primary Study on Electrical Contact Characteristics of Pantograph and Catenary System(DONG Jian-ming)
- 113 Classification of Explosion Risk of Coke Oven Gas(GUO Zong-kui)
- 115 Vulnerability of Optical Network Management System and Countermeasures of Security Optical Network Construction(ZHU Zong-guo)
- 117 Research Progress of Metal Fire Extinguishing Technology in Domestic (ZHENG Cheng)

**Municipal · Traffic · Water Resources Engineering Design**

- 119 The Construction Method of Rainwater Management and Utilization Based on LID Technology(QIU Yue-dan)
- 121 Discussion on the Problems Existing in Highway Bridge Construction and the Countermeasures(MO Qing-wen, CHEN Jing-li)
- 123 The Design of Highway Bridge and the Anti-Seismic Optimal at Present (ZHAO Xue-ping)
- 125 Study on the Influence Factors and Strategy of Highway Construction Pavement Roughness(TANG Shi-yun)
- 127 The Application of Structured Design in the Design of Road and Bridge (TIAN Xu)
- 129 Maintenance Measures of Common Diseases of Cement Road Surface in Rural Highway(QI Zhi-long)
- 131 Key Points Analysis of Underground Water Supply and Drainage Design (GAO Qing-yuan)
- 133 Application Analysis of New Highway Maintenance Technology in Energy Conservation and Emissions Reduction(LIU Zhi-xian)
- 135 The Structural Stability Analysis of Single Pillar Bridge(ZHANG Ai-min)
- 137 Analysis on Technical Measures for Compaction Construction of Subgrade and Pavement of Highway Engineering(LIU Jing-ping)
- 139 Transportation Mode and Urban Spatial Morphology of New Urbanization in Wuhan City(WANG Feng, CAI Hui, LUO Yong-gang)



- 141 Study on Stress Control Measures in Negative Moment Region of Top Pier of Steel-Concrete Continuous Beam(CHE Wen-qing, LI Chuan-lin)
- 144 Analysis of Hidden Dangers in Road and Bridge Design and Construction and the Solutions(YU Xing-da)
- 146 Talking About the Optimization of Post-Stage Operation of Rapid Railway in Urban Area(LU Yi-xuan)
- 148 Quality Control of Asphalt Mixture(SHENG Shi-gang)
- 150 Analysis of Influence Factors of Railway Line Selection in Mountain Area(ZHAO Zhen-fu)
- 152 Analysis of the Importance of Isolation Seismic Design in Bridge Design(ZENG Yu)
- 154 Analysis of the Problem in the Design of Road and Bridge and the Cause of the Cracks in the Construction(GU Jin-hui)

### Manufacture Engineering Design

- 156 Analysis of the Corrosion Problem of Onsite Pipeline and the Countermeasure(LIN Hu)
- 158 Discussion on Mechanical Processing Technology of Thin Wall Deep Cavity Parts(ZHANG Hui, LIU Guo-wen)
- 160 The Development of Technology and Equipment of Converter Steelmaking System(LI Hong)

### Energy Engineering Design

- 163 Research and Application of Energy Saving Technology in Coal-Fired Unit(WANG Sen, WANG Gui-lin, BIAN Jiang, ZHOU Yi-gang, XUE Ze-hai)

### Environment Engineering Design

- 165 Discussion on Landscape Construction of Outdoor Orchid Garden(ZENG Xiang-jie)
- 168 Study on Process Optimization of Typical Coking Wastewater Treatment(ZHANG Yun-tao)
- 170 Sound Environment Impact Assessment of Expressway and orresponding Noise Reduction Measures(WANG Jin-lu)
- 172 Research on the Coupling Treatment Technology of High Concentration Industrial Wastewater and Malodorous Gases(DING Zhi-gang)

### Construction Technology

- 174 Analysis on Construction Technology of High Pier of Expressway Bridge(YOU Hong-xia)
- 176 The Construction Technology and Characteristics of Mountainous Area Highway Bridge(ZHANG Jing)
- 178 Construction Technology and Management of Abutment Backfilling of Highway Bridge(YAN Dong-bin)
- 180 The Application of Green Construction Technology in Construction Engineering(AN Xu-jie)
- 183 Discussion on the Construction Technology of Low Clearance Beam(WEI Feng-wei)
- 185 Study on Construction Technology Treatment of Soft Soil Subgrade in Highway Construction(HUANG Hua-jie)
- 187 Key Technology and Economic Analysis of Jointing in Length Construction for New Open Cut Tunnel (Open Shed) and New Tunnel in Existing Electrified Railway Engineering(YAN Cai-xue)
- 189 Mix Proportion Design of High Performance Concrete and Its Problems(LIANG Yan-tao)
- 191 The Application of C70 High Performance Concrete in National R & D and Communication Center of Smart Grid(JIANG San-ying, HU Yao-zhou, NIE Fa-zhi, SHI Zi-qi, ZHANG Wei)
- 194 Construction Control of Rotating Continuous Beam and Calculation of Static Friction Coefficient(ZHAO Guo-qing)
- 197 Construction of Boring Cast-in-Site Pile in Karst Area and the Treatment Measures of Karst Cave(ZHANG Yong)
- 200 Analysis and Treatment of Initial Support Cracking and Deformation of GANNTANS Tunnel(LIANG Ji-zhe)
- 203 Discussion on the Installation Construction Technology of Ultra-Low Clearance Box Beam(JIANG Xiao-jin)
- 205 Installation and Construction Technology of Steel Girder Beams of 80m Double-Lines Railway(DING Sheng)

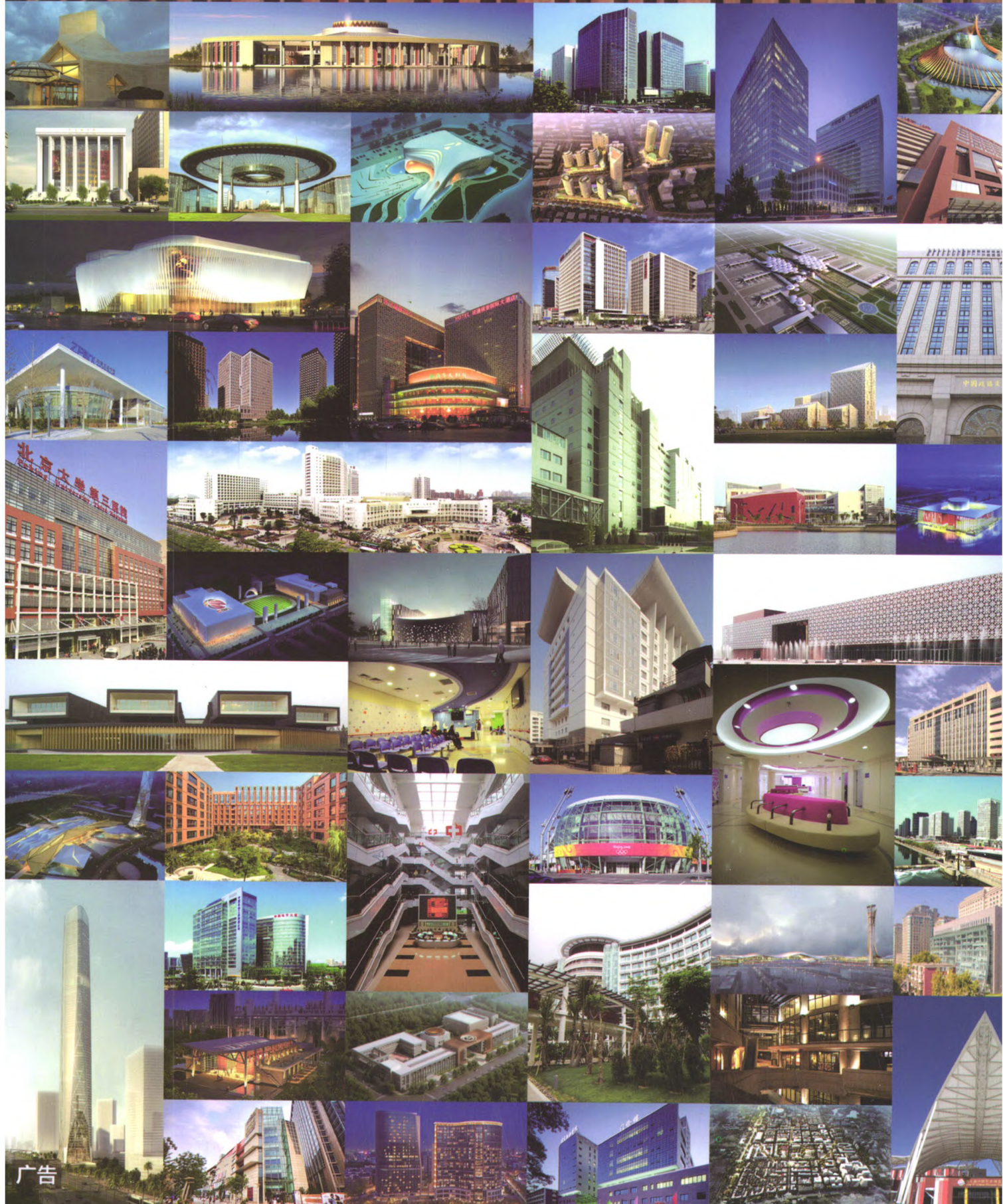
### Project Management

- 207 Common Problems and Countermeasures in Highway Measurement(WU Jing)
- 209 The Key Points of the Cost Control of Highway Construction Comprehensive Project(WANG Xia)
- 211 Discussion on the Control and Management of Large Engineering Projects(JI Jun)
- 213 Research on the Obstacle and Countermeasures of Public Participation in the Public Engineering Decision Making(LI Xin)
- 216 The Problems Existing in the Cost Budget of Building Engineering and the Control Measures(LI Chen)
- 218 Playing a Professional Advisory Role to Facilitate the Smooth Development of PPP Projects(HE Zhi-tao)
- 220 Talking About the Project Cost Management in Construction Stage(WANG Yu)
- 222 Innovation of Construction Management Method Under the Concept of Green Construction(HOU Xian-jun)
- 224 Shallow Discussion on the Key Points of Project Cost in Highway Bridge Engineering(ZHANG Xiu-qin)
- 226 Risk Analysis and Prevention Measures of Engineering Economy Management Under the New Situation(JIN Hai-ping)
- 228 Cost Control and Management in Bidding Stage of Highway Engineering(HUANG Dan-dan)
- 230 Study on the Process of Construction Quality Management of Expressway Pavement Maintenance Engineering(LI Ming-yang)
- 232 Study on Maintenance Management of Expressway(LI Hai-jun)
- 234 Analysis of the Project Management Methods and Measures of Building Decoration Engineering(MU Guang-jin)
- 236 Cost Control Management in Design Stage of Mountainous Expressway(XIE Hai-yang)
- 238 Supervision Control Points of Engineering Measurement Under the Unit Price Contract Mode of the Bill of Quantities(ZHANG Hui-lie, ZHAO Zhi)
- 240 Discussion on Cost Control and Life Cycle Cost of Large Bridge(CHENG Hong-wei)
- 242 Analysis on the Problems and Countermeasures in the Project Management of Road and Bridge(HUANG Bai-hua)
- 244 Reflections on the Implementation of PPP Mode in Shanty Town Reconstruction Project(WANG Xiao-ning, YANG Shan-shan)
- 246 Construction Waste Reclamation Utilization(ZHAO Xing-jian)

### Intelligentize and Informatization

- 248 The Application of GPS Intelligent Rolling Management System in Nu'er Reservoir Dam(DANG Jiang-liang)
- 250 The Application of UAV Remote Sensing Technology in Rural Land Contractual Management Right(LI Yu-mei)
- 252 Compatibility Test Method of Given Points in GNSS Control Network(LV Jian-tao)
- 256 The Application of 3S Technology in Real Estate Surveying and Mapping(GAO Chao)
- 258 The Application of the Results Management System of Real Estate Surveying and Mapping(WANG Rui-lin)
- 260 The Application of 3D Laser Scanning Technology in Tunnel Engineering Detection(XUE Song)
- 262 Precision Analysis of Coordinate Transformation of HBCORS Network in Xianning City(CHEN Ping)
- 264 The Second Development of CAD and Its Application in Mine Surveying(LI Li)
- 266 Discussion on the Energy Saving Technology of Enterprise Data Center Under the Big Data and Cloud Computing Era(ZHANG Hui-hui)
- 268 Research on the Mapping Precision of Unmanned Aerial Survey(WANG Zhi-ming)
- 271 Remote Monitoring Technology and Fault Diagnosis of Elevator Safety(TAO Tao)
- 273 Research on Modularized Data Configuration Management of Engine Service Data(YAN Yu, LIU Dong, LI Xiao-yan, TAN Lei, FU Lian-peng)
- 275 Study on the Data Communication of Expressway Network Toll Collection Under the View of Backbone Network Design(FAN Jing-guang)
- 277 Research on the Construction Scheme of LTE Wireless Local Area Network in Smart Mine(CHENG Ming, SHEN Kai)
- 279 Research on Electronic Map Making and Service Publishing Technology of Geographic Information Public Service Platform(YU Lei)





广告

地址：北京市西三环北路5号 邮编：100089 电话：(010) 68458355 传真：(010) 68732688 网址：<http://www.ippr.com.cn> 邮箱：[office@ippr.com.cn](mailto:office@ippr.com.cn)