

ENGINEERING AND CONSTRUCTION
GONGCHENG YU JIANSHE



QK2017300

ISSN 1673-5781

CN34-1296/N

工程与建设

第34卷 第2期

Vol.34 No.2

2020年 第2期

中国核心期刊(遴选) 《中国学术期刊(光盘版)》全文收录期刊 《万方数据—数字化期刊群》入编期刊
《中文科技期刊数据库》来源期刊 《书生数字期刊》入编期刊 中国报刊订阅指南信息库收录期刊
《超星期刊域出版系统》全文收录期刊



ISSN 1673-5781



9 771673 578066

金鹏筑工集团

工程与建设

第34卷第2期

(总第128期)

2020年4月

[期刊基本参数] CN34-1296/N * 1987 * b * A4 * 208 * zh * P * ¥20.00 * 1 000 * 69 * 2020-4

目次

❖ 研究与探索

- 大跨径混凝土斜拉桥极限承载能力分析..... 胡银鹏, 王佐才, 李海洋(177)
- 考虑道路交通状态的公交运行时间预测..... 祝佳莉, 陈鹏, 刘滨, 池贤昭, 耿小情(182)
- 基于回归模型的慢行交通混合过街冲突分析..... 耿小情, 陈鹏, 池贤昭, 祝佳莉(186)
- 关于城市互通立交安全视距的探讨..... 高辉, 郑俊, 徐立(189)
- 基于LS-DYNA的船舶—桥墩碰撞研究..... 陈忠宇, 黎恩华, 张林凯(192)
- 基于GPR的PC连续梁桥体系可靠度分析..... 黎恩华, 陈忠宇, 毛林(194)
- 瓦埠湖大桥洪水评价分析..... 张璐, 钟敏(197)
- 基于支持向量机的高速短时交通流量预测..... 郑义彬, 赖伟伟(201)
- 基于速度标准差系数的城市地下互通合流区交通安全评价研究..... 王红, 田龙, 陈勇(205)
- 装配式桥梁在城市高架桥中的应用研究..... 章凯(209)

❖ 建筑与规划

- 怀洪新河复航工程通航规划研究..... 倪兵, 刘芳, 李振亚(211)
- 场所空间精神的营造
- 安徽巢湖经济开发区半汤实验中学规划设计..... 管如意(214)
- 关于舾装码头及船厂位置选址的研究..... 王书文, 郝浩(217)

❖ 工程设计

- 折角处的驳船泊位富裕长度的计算..... 凌洲(220)
- 空间网状吊杆拱桥的设计与分析..... 颜心园, 李龙, 施文杰(223)
- 浅谈宿州市银河三路综合改造提升工程设计..... 胡良红, 高磊(226)
- 房地产开发项目供电方案设计分析..... 陈新伟(228)
- 女山湖大桥部分斜拉桥总体设计与计算..... 谈亭(231)
- 基于影响矩阵法的S形曲线斜拉桥索力优化..... 杨吉新, 张朝, 吴爱平, 余飞, 丁宇(234)
- 库尔勒地区深基坑工程支护设计研究..... 马良(237)

钢桥面铺装设计浅析·····	吴新强(240)
长沙万家丽路电力隧道工程设计·····	王志峰, 汪宏(243)
无支架钢管混凝土系杆拱桥设计与施工·····	黄雪林(246)
刚性伸缩结构设计与分析·····	李路(250)
钢结构桥梁配重设计研究·····	宋佳(253)

❖ 试验与检测

简支转连续桥的动载测试分析及数值模拟·····	肖波, 黄禹(255)
试析无损检测技术在建筑工程检测中的应用·····	夏日东(258)
桥梁墩柱垂直度检测方法及其精度分析·····	崔后吉(260)

❖ 勘察与测量

岩溶地区基坑勘察要点及岩土参数取值分析·····	杨朝发, 代万品(262)
已建小水库对三亚市新建灌区工程规模的影响·····	秦贤铭(264)
天然气蚌埠至合肥干线项目地质灾害危险性评估·····	李丹(266)

❖ 地基与基础

基于静力触探数据的某工程复合地基方案设计·····	彭海红, 赵华宏, 石川(270)
航道护岸重力式挡土墙滑移原因分析及处置措施·····	倪世权(273)
路堑边坡稳定性分析及数值模拟研究·····	朱小郭(275)
处理不良地基土和加固施工流程·····	孙亚男(278)

❖ 建造技术

中运量跨座式单轨交通工业化建造现状与趋势·····	刘壮, 周帅, 方聪(280)
基于模糊层次法的桩板路基质检标准指标体系·····	陈玉宏(285)
城市道路快速化改造的关键点分析·····	汪浩, 杨路路(288)
施工中对预应力张拉伸长量计算的分析·····	林汛(292)
无横隔板双肢薄壁高墩稳定性分析·····	王戈, 郭志豪, 黄禹(294)
市政桥梁工程中预应力施工技术的应用研究·····	张小军(298)
拉森钢板桩在建筑工程深基坑支护施工中的应用探讨·····	何世凤(300)
某斜拉桥主塔实心段施工优化研究·····	张涛, 黄山峰, 程硕(302)
膏浆灌浆结合高压旋喷施工工法对围堰防渗稳定性的影响·····	杨飞, 齐备, 刘康, 黄铭(305)
采用桩基埋管地源热泵工艺的集中供能施工技术方法与技术风险分析 ——以尹山湖项目为例·····	严烈(308)
新型泵组式(现混)泡沫喷雾自动灭火系统在户外 220kV 变电站的应用研究·····	葛伟(312)

建筑桩基工程施工中桩端后压浆技术分析	朱晓云(317)
双塔单索面曲线斜拉桥稳定性分析	杨吉新, 余飞, 吴爱平, 张朝, 丁宇(319)
生态护岸在航道整治工程中的应用	王宝永(323)
试论公路桥梁病害成因与养护管理策略	黄胜(325)
多聚磷酸改性沥青混合料施工技术研究	陈致远, 关阳, 郭云龙, 王锦余(327)

❖ 建筑材料

纤维加筋土的强度特性及增强机制研究	张天佑(330)
基于神经网络结合遗传算法的混凝土弹模与强度性能预测	赖泽涵, 宋健, 付军, 周军, 左雪娜(332)
胶粉性质对橡胶改性沥青性能影响研究	张明月, 蒋恒, 苟宏伟(335)

❖ 工程管理

建筑工程项目代建制管理理论与研究	
——以合肥某安置点为例	张经纬, 雷庆关, 胡志(338)
浅谈铁路电力迁改的定测和总承包管理工作	凌云(340)
对建筑施工材料的现场质量管控	严宏涛(344)
EPC 联合体总承包模式下国企业主方实施阶段风险探究	
——以新建某粮食仓储项目为例	宋杰(346)
装饰装修工程造价管理及成本控制的探讨	周辉(350)
浅析装配式建筑工程管理的影响因素与对策	贾敏(352)
对加强水利工程建设质量管理的若干问题探索	席波(354)
农村房地一体权籍调查实施方案	孙旭磊(356)
新型冠状病毒肺炎疫情导致的建设工程项目经济损失的分摊浅析	王从才(358)
建筑工程监理工作的难点及应对措施分析	史文龙(361)
民用建筑外墙保温节能工程监理控制	姜磊(363)
低碳视角下阳逻港集装箱多式联运路径优化	涂敏, 张东强(365)
引江济淮工程(安徽段)贷款能力测算	程琨(369)
探讨工程招标投标阶段造价控制	刘辉(372)
EPC 与施工总承包模式招标浅析	杨光(374)
敬告作者	(242)
版权声明	(257)
投稿须知	(371)

ENGINEERING AND CONSTRUCTION

Vol. 34 No. 2

Serial No. 127

Apr. 2010

CONTENTS

Research and Discussion

- Analysis of ultimate bearing capacity of long-span concrete cable-stayed bridge
..... HU Yin-peng, WANG Zuo-cai, LI Hai-yang(177)
- Bus running time prediction considering road traffic conditions
..... ZHU Jia-li, CHEN Peng, LIU Bin, CHI Xian-zhao, GENG Xiao-qing(182)
- Analysis of Mixed Traffic Crossing Conflicts Based on Regression Model
..... GENG Xiao-qing, CHEN Peng, CHI Xian-zhao, ZHU Jia-li(186)
- Discussion on the Safe Sight Distance of Urban Interchanges GAO Hui, ZHENG Jun, XU LI(189)
- Study on ship pier collision based on LS-DYNA CHEN Zhong-yu, LI En-hua, ZHANG Lin-kai(192)
- Reliability analysis of PC continuous beam bridge system based on GPR LI En-hua, CHEN Zhong-yu, MAO Lin(194)
- Analysis on Flood Evaluation of Wabu Lake Bridge ZHANG Lu, ZHONG Min(197)
- Short-term traffic flow prediction of expressways based on support vector machines
..... ZHENG Yi-bin, LAI Wei-wei(201)
- Study on traffic safety evaluation in urban underground interchange area based on velocity standard deviation coefficient
..... WANG Hong, TIAN Long, CHEN Yong(205)
- Study on the application of prefabricated bridge in urban viaduct ZHANG Kai(209)

Building and Planning

- Study on the navigation planning of Huaihongxin River re navigation project
..... NI Bing, LIU Fang, LI Zhen-ya(211)
- The construction of space spirit of place—the planning and design of Bantang experimental middle school in
Chaohu Economic Development Zone, Anhui Province GUAN Ru-yi(214)
- Study on outfitting wharf and shipyard location WANG Shu-wen, HAO Hao(217)

Engineering Design

- Calculation of surplus length of barge berth at the corner LING Zhou(220)
- Design and Analysis of a Spatial Network Arch Bridge YAN Xin-yuan, LI Long, SHI Wen-jie(223)
- Talking about the Comprehensive Transformation and Upgrading Engineering Design of Suzhou Yinhe Third
Road HU Liang-hong, GAO Lei(226)
- Power supply scheme design of real estate development project CHEN Xin-wei(228)
- Overall Design and Calculation of Extradosed Cable-stayed Bridge of Nvshanhu Bridge TAN Ting(231)
- Cable Force Optimization of S-Curve Cable-stayed Bridge Based on Influence Matrix Method
..... YANG Ji-xin, ZHANG Zhao, WU Ai-ping, YU Fei, DING Yu (234)
- Study on Supporting Design of Deep Foundation Pit in Kuerle Area MA Liang(237)
- Brief analysis of steel bridge deck pavement design WU Xin-qiang(240)
- The engineering design of Electric Power Tunnel in Wanjiashi Road of Changsha
..... WANG Zhi-feng, WANG Hong(243)
- Design and construction of concrete-filled steel tubular tied arch bridge without support
..... HUANG Xue-lin(245)

The Research of Temperature Effect on Internal Force of Small Curved Continuous Box-girder Bridge	LI LU(250)
Research on counterweight design of steel structure bridge	SONG Jia(253)
Test and Inspection	
Dynamic load test analysis and numerical simulation of simply supported continuous bridge	XIAO Bo, HUANG Yu(255)
Analysis on the Application of Nondestructive testing Technology in Construction Engineering testing	XIA Ri-dong(258)
Detection method and accuracy analysis of bridge pier verticality	CUI Hou-ji(260)
Reconnaissance and Survey	
Key Points of foundation pit investigation and value analysis of geotechnical parameters in Karst area	YANG Chao-fa, DAI Wan-pin(262)
The Influence Of Small-scale Reservoir On New Irrigation Project Scale In Sanya City	QIN Xian-ming(264)
the Geological Hazard Risk Assessment Work of the Bengbu to Hefei Natural Gas Trunk Line Project	LI Dan(266)
Foundation and Basement	
Scheme design of composite foundation of a project based on static penetration data	PENG Hai-hong, ZHAO Hua-hong, SHI Chuan(270)
Cause analysis and treatment measures of gravity retaining wall sliding of channel revetment	NI Shi-quan(273)
Stability analysis and numerical simulation of cutting slope	ZHU Xiao-guo(275)
Treatment of bad foundation soil and reinforcement construction process	SUN Ya-nan(278)
Construction Technology	
Current Situation and Trend of Industrial Construction for Medium-Low Transportation Capacity Straddle Type Monorail Transit	LIU Zhuang, ZHOU Shuai, FANG Cong(280)
System for Quality Inspection of Pile-slab Subgrade Specific Construction Project Based on Fuzzy Hierarchy Comprehensive Evaluation	CHEN Yu-hong(285)
Analysis on the key points of urban road rapid transformation	WANG Hao, YANG Lu-lu(288)
Analysis on the calculation of the elongation of prestressed tension in construction	LIN Xun(292)
Stability analysis of double limb thin wall high pier without diaphragm	WANG Ge, GUO Zhi-hao, HUANG Yu(294)
Application of prestressed construction technology in municipal bridge engineering	ZHANG Xiao-jun(298)
Discussion on the Application of Larson Steel sheet pile in Deep Foundation Pit support Construction of Construction Engineering	HE Shi-feng(300)
Study on the Construction Optimization of the Solid Section of the Main Tower of a Cable-stayed Bridge	ZHANG Tao, HUANG Shan-feng, CHENG Shuo(302)
Investigation of the effect of using paste-slurry and high pressure jet grouting in coffer dam seepage control	YANG Fei, QI Bei, LIU Kang, HUANG Ming(305)
Centralized energy supply construction technology method and technical risk analysis of pile foundation buried pipe ground source heat pump technology	YAN Lie(308)
—— Taking Yinshan Lake project as an example	

- The application and research of a new type of pump group foam spray automatic fire extinguishing system in outdoor 220kV substation GE Wei(312)
- Analysis of post grouting technology at pile end in construction pile foundation engineering ZHU Xiao-yun(317)
- Stability Analysis of Twin Tower Curve Cable - stayed Bridge with Two-side Cable Face YANG Ji-xin, YU Fei, WU Ai-ping, ZHANG Zhao, DING Yu(319)
- Application of ecological revetment in Waterway Regulation Project WANG Bao-yong(323)
- On the causes of highway bridge diseases and maintenance management strategies ... HUANG Sheng(325)
- Research on Construction Technology of Polyphosphoric Acid Modified Asphalt Mixture CHEN Zhi-yuan, GUAN Yang, GUO Yun-long, WANG Jin-yu(327)

Building Material

- Research on Strength Characteristics & Improving Mechanism of Basalt Fiber Reinforced Soil ZHANG Tian-you(330)
- Prediction of elastic modulus and strength performance of concrete based on neural network and genetic algorithm LAI ZE-Han, SONG Jian, FU Jun, ZHOU Jun, ZUO Xue-na(332)
- Study on the influence of rubber powder properties on the performance of rubber modified asphalt ZHANG Ming-yue, JIANG Heng, GOU Hong-wei(335)

Engineering Management

- Construction System of Construction Projects—Take the Resettlement Site in Feixi County as an Example ZHANG Jing-wei, LEI Qing-guan, HU Zhi(338)
- Discussion on the measurement and general contract management of power line remove of railway LING Yun(340)
- Start construction to the building the spot quality of material control YAN Hong-tao(344)
- Study on the risk of the owner's implementation stage under the EPC joint venture general contract mode-Taking a new grain storage project as an example SONG Jie(346)
- Discussion on cost management and cost control of Decoration Engineering ZHOU Hui(350)
- Analysis on the influencing factors and Countermeasures of assembly construction project management JIA Min(352)
- Research on the Problems of Strengthening the Quality Management of the Hydraulic Engineering XI Bo(354)
- The implementation plan of rural real estate integration right register investigation SUN Xu-lei (356)
- Analysis of NCF epidemic to economic loss allocation of construction project WANG Cong-cai(358)
- Analysis on difficulties and Countermeasures of construction project supervision SHI Wen-long(361)
- Theoretical Study on Construction Management under the CSupervision and control of heat preservation and energy conservation project of civil building exterior wall JIANG Lei(363)
- Optimization of container multimodal transport route in yangluo port from low carbon perspective TU Min, ZHANG Dong-qiang(365)
- Calculation of the loan capacity of the Yangtze-to-Huaihe Water Diversion project (Anhui Section) CHENG Kun(369)
- Discussion on cost control in bidding stage LIU Hui(372)
- Analysis of EPC and construction general contract mode bidding YANG Guang(374)

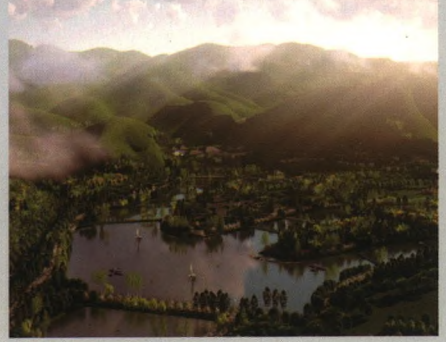
金鹏筑工集团



金鹏控股总部大楼



金鹏建设集团



金鹏仙居谷养生小镇



金鹏门窗智造基地



金鹏国家级装配式建筑智造基地



金鹏智能家居产业园



金鹏 99 商业街



滁州·金鹏 99 广场



蚌埠·金鹏 99 广场



金鹏大掌柜



金鹏 壹品天成



金鹏 清风明月

单位名称：金鹏筑工集团

地址：安徽省滁州市南谯新区乌衣工业园兴隆路 430 号

电话：0550-3306607、0550-3306095

