

工程与建设

第24卷第4期

(总第70期)

2010年8月

[期刊基本参数] CN34-1296/N * 1987 * b * A4 * 144 * zh * P * ¥18.00 * 3 000 * 55 * 2010-08-08

目次

❖ 研究与探索

- 连续刚构桥施工过程挠度的监控与数值分析 胡浩, 牛忠荣(433)
梁式桥预拱度曲线的拟合研究 任玲玲, 杨成斌, 张伟(437)
黄河径流量预测的 DAMSM 模型 杜旭青(439)
波形钢腹板 PC 箱形梁桥发展浅析 陈国胜, 张百永, 吴刚(441)
连续刚构桥建模桩基模拟取舍研究 宣卓, 李亮(444)
青年闸灰场灰坝加高渗流与稳定分析 周仁冬(446)

❖ 建筑与规划

- 凤台县小城镇建设发展规划对策研究 葛文康, 周国艳(449)
关于生态建筑的思考 孙健(453)
室内设计的生态化研究 李雪奇(456)
浅谈因地制宜的居住区水景设计 胡雪梅, 刘惠芳, 李长花(459)
南陵县医院迁建工程设计 毛振海(461)
安徽省电力公司安庆供电公司电网生产基地规划设计 张彤阳(464)
浅析阜阳市南城河景观规划设计 张秀莲(466)

❖ 勘察与测量

- 基于 TCA2003 的测边交会法应用分析 郝长春, 高飞, 郑攀攀(468)
浅谈 GPS 在湖区航道工程中的应用 程伟(470)

❖ 工程设计

- “托梁换柱”技术在工业厂房加固改造中的应用 胡长华(473)

工程与建设编委会

主任: 吴晓勤 副主任: 陈东明 杨成斌
编委: 丁叮 尹宗军 王吉双 冯卫
左玉琅 江冰 纪开学 吴晓勤
张友华 李保谦 李彪 杨成斌
杨裕官 陆敏 陈东明 周云峰
茆令文 宣宁平 黄平华 程东海
程观富 瞿尔仁

工程与建设杂志社

主编: 陈东明
副主编: 程东海 杨成斌 瞿尔仁(常务)
编辑: 瞿尔仁 尹宗军 江冰 霍婷婷

主管单位: 安徽省住房和城乡建设厅

主办单位: 安徽省工程勘察设计协会
安徽省城建档案学会

编辑出版: 工程与建设杂志社

通讯地址: 合肥市屯溪路 193 号

合肥工业大学 125 信箱

办公地址: 合肥工业大学建筑技术研发中心 11F

电话: 0551-2903953 2903832

传真: 0551-2903832 2903953

邮编: 230009

电子信箱: gcyjs06@163.com

印刷: 肥西新华书刊印刷厂

国际标准刊号 ISSN 1673-5781
国内统一刊号 CN 34-1296/N

广告经营许可证: 3401004001501

定价: 18.0元/期
108.0元/年

浅谈水泥工厂的接地	王丽霞, 吴华民(476)
结构设计中概念设计方法应用的探讨	黄海涛, 黄慎江(479)
快速路与主干路立交方案设计	刘玉柳(481)
论皖西南山区高速公路线形设计	叶志成(484)
村镇水厂设计的几个问题	王海英(487)
关于“S”形反向平面曲线桥梁的探讨和研究	熊明祥, 黄亮文, 许国光,等(489)
燃气管道的人性化设计	张琴(492)
◆ 抗震研究	
竖向刚度突变结构采取顶层隔震方案的减震分析	沈思, 陈道政, 吴韬(494)
改进的地基-结构体系有限元模型动力反应合理性分析	卜红亮, 沈冯强(497)
大跨度悬索桥考虑行波效应的地震分析	陈海波(500)
◆ 试验与检测	
多次预应力(攀达穹顶)的新型杂交结构模型研究	尹志伟, 王鹏, 裴阳阳,等(503)
某大跨连续梁桥荷载试验布载方法研究	金永妙, 胡成(507)
◆ 建筑材料	
浅谈聚苯乙烯泡沫(EPS)在岩土工程中的应用	周伟明(510)
◆ 智能建筑	
浅谈绿色化智能建筑的构成及实现	张宾(512)
◆ 地基与基础	
九华河大桥溶洞桩基施工	汪乔胜, 李国华(515)
新建隧道下穿既有高速公路三维仿真分析	葛蔚敏, 邹育麟, 汪波(517)
钻孔注浆刚性桩锚体系在深基坑工程中的应用	束冬青, 蔡敏(521)
水泥搅拌桩复合地基在垂直荷载作用下桩与土的受力特性分析	张皖湘(523)
岩溶地区码头嵌岩桩设计	李华治(526)
巢湖市北外环滑坡破坏机理分析及防治措施	张琦, 杜毅(528)
粉喷桩复合地基设计计算及效果评价	张万新(531)
强度折减法分析边坡稳定影响因素	丁浪(533)
◆ 建造技术	
土压平衡法在顶管施工中的应用	何高明(536)
桥梁工程结构施工过程位移控制	方晓明(539)
改性乳化沥青在高速公路中的施工技术	牛家杰(541)
浅谈建筑抹灰工程质量控制	李晓光(544)
高层建筑施工中悬挑钢管脚手架方案的监理审核	蒋巍(546)
预应力施工的“双控”技术及其应用	肖永(548)
蒸压加气混凝土砌块墙体防治裂缝措施	陈晓(551)
路面基层冷再生施工工艺的探讨	陶磊(553)
◆ 工程管理	
工程造价指标及指数应用研究	张翠勤(556)
建筑工程施工项目质量管理与控制	董小坤(559)
水泥混凝土路面病害及养护对策	阳志宜(561)
某锅炉房扣件式钢管高大模板支撑系统坍塌原因分析和对策	尉国勤(564)
开发滁河航道资源,服务滁州经济发展	曹光华(566)
浅谈地下工程中地下管线的保护措施	徐震(569)
环境应急监测系统现状与思考	王金辉(571)
◆ 城建档案	
浅谈工程设计档案的收集工作	计媛媛(573)
工程档案大流水排架法的可行性	孙政(575)
遗失声明	(436)
安徽省工程勘察设计大师	(440)

ENGINEERING AND CONSTRUCTION

Vol. 24 No. 4

Serial No. 70

Aug. 2010

CONTENTS

Research and Discussion

- Monitoring and numerical analysis of deflection performance in continuous rigid frame bridge construction HU Hao, NIU Zhong-rong(433)
- Pre-camber curve fitting for beam bridge REN Ling-ling, YANG Cheng-bin, ZHANG Wei(437)
- Runoff prediction for the Yellow River based on DAMSM model DU Xu-qing(439)
- On the development of prestressed concrete box girder bridge with corrugated steel web CHEN Guo-sheng, ZHANG Bai-yong, WU Gang(441)
- Foundation simulation in continuous rigid frame bridge modeling: Accepted or rejected XUAN Zhuo, LI Liang(444)
- Seepage and stability analyses for heightening ash dam in Youth gate ash field ZHOU Ren-dong(446)

Building and Planning

- Strategies for planning and developing the construction of small towns in Fengtai County GE Wen-kang, ZHOU Guo-yan(449)
- Reflections on ecological architecture SUN Jian(453)
- Research on the ecological interior design LI Xue-qi(456)
- Waterscape design adaptable to actual conditions of residential quarters HU Xue-mei, LIU Hui-fang, LI Chang-hua(459)
- Relocation project design for Nanling County Hospital MAO Zhen-hai(461)
- Planning and design of power production base for Anqing Power Supply Company, Anhui Electric Power Corporation ZHANG Tong-yang(464)
- Analysis of the landscape planning for Fuyang Nancheng River ZHANG Xiu-lian(466)

Reconnaissance and Survey

- Application and analysis of linear-resection base on TCA2003 HAO Chang-chun, GAO Fei, ZHENG Pan-pan(468)
- Application of GPS in channel engineering in lake area CHENG Wei(470)

Engineering Design

- Application of "supporting beam in place of pillar" in reinforcement of industrial factory HU Chang-hua(473)
- On the earthing system of cement plants WANG Li-xia, WU Hua-min(476)
- Conceptual design in the structure design HUANG Hai-tao, HUANG Shen-jiang(479)
- Interchange design of express road and arterial road LIU Yu-liu(481)
- Alignment design of the expressway in mountainous areas of Southwest Anhui YE Zhi-cheng(484)
- Problems of designing waterworks in villages and towns WANG Hai-ying(487)
- Discussion on S-type anti-plane curve bridge XIONG Ming-xiang, HUANG Liang-wen, XU Guo-guang, et al(489)
- Humanistic design of gas pipeline ZHANG Qin(492)

Research on Earthquake Resistance

- Analysis of cushioning effect of roof isolation for structures with vertical stiffness mutation SHEN Si, CHEN Dao-zheng, WU Tao(494)

Dynamic analysis of finite element model of improved structure-foundation system	BU Hong-liang, SHEN Feng-qiang(497)
Seismic analysis of traveling-wave effect on long-span suspension bridge	CHEN Hai-bo(500)
Test and Inspection	
Study on the novel multi-prestressed (PANDA dome) hybrid structure model	YIN Zhi-wei, WANG Peng, PEI Yang-yang, et al(503)
Load arrangement method for load test on a long-span continuous beam bridge	JIN Yong-miao, HU Cheng(507)
Building Material	
Application of expanded polystyrene sheet in geo-technology	ZHOU Wei-ming(510)
Intelligent Building	
Composition and implementation of green and intelligent building	ZHANG Bin(512)
Foundation and Basement	
Karst pile foundation construction of the Jiuhua River Bridge	WANG Qiao-sheng, LI Guo-hua(515)
3D numerical simulation study of newly-built tunnel underpassing existing expressway	GE Wei-min, ZOU Yu-lin, WANG Bo(517)
Application of grouting and stiffening pile-anchor in deep foundation pit engineering	SHU Dong-qing, CAI Min(521)
Force analysis of pile and soil for cement mixed pile composite foundation under vertical load	ZHANG Wan-xiang(523)
Pier rock-socketed pile design in karst areas	LI Hua-zhi(526)
Failure mechanism analysis and countermeasures for the landslide on northern outer ring road of Chaohu City	ZHANG Qi, DU Yi(528)
Design calculation of the DJM composite foundation and its effect assessment	ZHANG Wan-xin(531)
Discussion on influential factors of soil slope stability by strength reduction method	DING Lang(533)
Construction Technology	
Application of earth pressure balance method in pipe jacking	HE Gao-ming(536)
Displacement control for bridge structure construction	FANG Xiao-ming(539)
Technology of modified emulsion asphalt in highway construction	NIU Jia-jie(541)
Construction quality control for plastering engineering	LI Xiao-guang(544)
Supervision and audit of cantilevered steel scaffolding program in high-rise building construction	JIANG Wei(546)
Technique of double control and its application in inherent stress construction	XIAO Yong(548)
Prevention of cracks on autoclaved aerated concrete block wall	CHEN Xiao(551)
On the cold recycling construction technology for pavement base	TAO Lei(553)
Engineering Management	
Study on the application of engineering cost indicator and index	ZHANG Cui-qin(556)
Construction project quality management and control	DONG Xiao-kun(559)
Cement concrete pavement diseases and maintenance measures	YANG Zhi-yi(561)
Cause analysis of collapse on fasten-style tubular steel formwork bracing system in a boiler room and the countermeasures	YU Guo-qin(564)
Utilizing resources of river channel to serve local economic development of Chuzhou City	CAO Guang-hua(566)
Protection measures of underground pipeline in underground engineering	XU Zhen(569)
Status quo and reflections of environmental emergency monitoring system	WANG Jin-hui(571)
Urban Construction Archives	
On the collection of engineering design archive	JI Yuan-yuan(573)
Feasibility of sequence index on engineering archives management	SUN Zheng(575)