

口絵写真 横浜市に地下鉄誕生

M=6.5 に直撃されたニカラグワの首都マナグア市

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● 今月の表紙・首都高速箱崎インターチェンジ/首都高速6号線と9号線の接点に建設されたインターチェンジ。シティエターミナルビルと同時施工された ●

土木学会誌内容紹介.....前付(1)
 論文報告集内容紹介.....前付(7)
 ◎伝達マトリックス法による薄肉閉断面曲線ばりの2次の応力問題の解析・遠田良喜◎拡幅を伴う流路変動について・平野宗夫◎高濃度懸濁液の流動特性について・大垣真一郎・松尾友矩◎レールのねじれ(小返り)の実用解・星野陽一◎交通量と時間オキュパンシーの特性に関する確率的考察・奥谷巖◎アスファルト混合物の破壊強度に関する研究・森吉昭博・上島壯・菅原昭雄◎移動床流れにおける河床形態と粗度・水理委員会移動床流れの抵抗と河床形状研究小委員会◎断

面急変鉄筋コンクリートばりのせん断破壊強度(英文)・陳文雄◎

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◎最小期待費用にもとづく最適化◎地震時に生じる乾燥砂層の沈下量推定について◎コンクリートの収縮とクリープ◎ある海洋構造物の設計と施工についての問題点◎自動車騒音の環境に与える影響と抑制◎

新刊紹介.....89

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◎名古屋都市高速道路の計画と姿を見せ

はじめた下部工事◎越美線開通◎地下鉄千代田線霞ヶ関一代々木公園間開通◎視力障害者用歩行者道路の設置をすすめる東京都◎横断歩道に「すべり止め舗装」を施工◎移動吊支保工(SSM式ワーゲン)・首都高速5号線(Ⅱ期)で始動◎国連・ECE(ヨーロッパ経済委員会)揚水シンポジウム開催さる◎

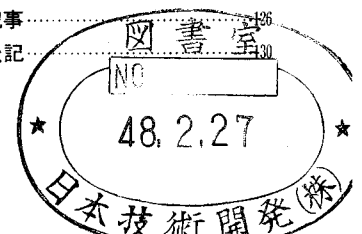
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TERMINALS FOR VARIOUS PURPOSES.....*J. Kawaguchi* (pp. 2~10)

The plan of traffic terminals having various purposes becomes to draw public attention recently.

This article reported the outline of the terminal in reference to its necessity and utility, concrete examples and their problems.

SPACE FOR PEDESTRIANS IN CITIES.....*Y. Takaguchi, T. Ashimi and H. Kubota* (pp. 11~17)

The space for pedestrians, especially roads for the exclusive use of pedestrians, tends to be created recently in Japanese cities. It includes various problems and there has been no instance before in Japan.

This report describes the problems of the roads for the exclusive use of pedestrians, introducing a promenade in Osaka and its conception.

ROLE OF SOIL MECHANICS IN ESTIMATION OF SAFETY OF SOIL STRUCTURE

.....*M. Matsuo* (pp. 18~24)

The word 'safety' or 'safety factor' is sometimes easily used in the design and construction of soil structure which is concerned with soil mechanics. Even if it were composed of soil, it would be impossible to estimate the safety only by soil mechanics.

The reporter describes several opinions in regard with soil mechanics as one researcher.

OUTLINE OF DOCK CONSTRUCTION IN JAPAN.....*M. Yasu* (pp. 25~31)

Ship-builders in Japan have been constructing large docks in various places to cope with the building of large ships since about 1955. Last year extraordinary large docks were constructed at Nagasaki and Oppama.

This article takes up the problems in the design and construction of docks in connection with its background and features, taking an example of the construction of Oppama Dock.

DESIGN OF CONDENSER INTAKE STRUCTURE OF HAMAOKA NUCLEAR POWER PLANT

.....*I. Watanabe and A. Inoue* (pp. 32~38)

The condenser intake structure of Hamaoka Nuclear Power Plant was successfully installed by adopting the pneumatic caisson works recently. The cooling water will be led to the plant through the structure and intake tunnel which is now under construction. It is the first attempt in Japan to collect the cooling water by such an intake system.

In this article, the outline of the design of the condenser intake structure is mainly reported.

WASTE AND ITS DISPOSITION BY RECLAMATION

.....*K. Ueshita, T. Kuwayama and S. Saida* (pp. 39~44)

The massive increase of waste by the elevation of the standard of living has become a serious social problems from the viewpoint of environmental conservation. Two methods of its disposition, throwing it away into the sea and reclaiming the foreshore by it, are considered.

This report takes up the method of reclamation disposal, and describes the examination and investigation of reclaimed ground and the future of reclamation.

SEARCHING FOR INFORMATION OF STRUCTURES BY COMPUTERS

.....*H. Yoshimura and A. Matsuura* (pp. 45~50)

This article introduces the J.N.R. searching system for the information of existing structures which is carried out by computers, and describes the position of its system in the J.N.R. construction works, the method of the accumulation and search for data, and the organization and operation of the system.