

CONTENTS

Papers	Page
STATISTICAL QUALITY CONTROL IN HIGHWAY CONSTRUCTION by John L. Beaton	1
SOIL-CEMENT PIPE BEDDING: CANADIAN RIVER AQUEDUCT by Clemith A. Lowitz and Glenn DeGroot	17
PROPERTY DEVELOPMENT IN MODERN COMMUNITIES by Daniel B. Stauffer	35
OPTIMUM LIFE OF EQUIPMENT FOR MAXIMUM PROFIT by James Douglas	41
THE RHEOLOGY OF FRESH CONCRETE by Alistair G. B. Ritchie	55
OPTIMIZING HAUL FLEET SIZE USING QUEUEING THEORY by Fletcher H. Griffis, Jr.	75
ARCTIC CONSTRUCTION PROBLEMS AND TECHNIQUES by Neil T. Monney, Millard M. Hill, A. Oien, S. J. Rowland, and F. L. Vail	89
CONSTRUCTION PERSONNEL MANAGEMENT by Henry J. Nave Jr.	95

(over)

This Journal is published aperiodically by the American Society of Civil Engineers. Publications office is at 2500 South State Street, Ann Arbor, Michigan, 48104. Editorial and General Offices are at 345 East 47th Street, New York, N. Y. 10017. Subscription price is \$4.00 per year with discounts to members and libraries. AT, CO, UP, HW, PL, PO, PP, SU.

DISCUSSION
Proc. Paper 5701

BIDDING STRATEGIES AND PROBABILITIES ^a , by Marvin Gates (Mar., 1967. Prior Discussion: June, 1967).	
by John D. Bristol	109
by Robert M. Stark	110

INFORMATION RETRIEVAL

The key words, abstract, and reference "cards" for each article in this Journal represent part of the ASCE participation in the EJC information retrieval plan. The retrieval data are placed herein so that each can be cut out, placed on a 3 x 5 card and given an accession number for the user's file. The accession number is then entered on key word cards so that the user can subsequently match key words to choose the articles he wishes. Details of this program were given in an August, 1962 article in CIVIL ENGINEERING, reprints of which are available on request to ASCE headquarters.

^a Discussion period closed for this paper. Any other discussion received during this discussion period will be published in subsequent Journals.