CONTENTS

Papers

	Page
Philosophy of Service Life in Culvert Design by Lester A. Herr	1
Hydraulic Efficiency in Culvert Design by Fred W. Blaisdell	11
New Techniques in Alinement Design and Stakeout by Jack E. Leisch	23
Characteristics of Soil-Asphalt as a Rate Process by M. Abdel-Hady and Moreland Herrin	49
Philosophy of Culvert Design by R. Robinson Rowe	71

Copyright 1966 by the American Society of Civil Engineers

This Journal is published by the American Society of Civil Engineers. Publication office is at 2500 South State Street, Ann Arbor, Michigan. Editorial and General Offices are at United Engineering Center, 345 East 47th Street, New York 17, N. Y. \$4.00 of a member's dues are applied as a subscription to this Journal. Second-class postage paid at Ann Arbor, Michigan. AT, CO, UP, HW, PL, PO, PP, SU.