## Journal of the

### HIGHWAY DIVISION

# Proceedings of the American Society of Civil Engineers

# HIGHWAY DIVISION COMMITTEE ON PUBLICATIONS

Leo J. Ritter, Jr., Chairman; Kenneth W. Crowley; A. Walton Johnson; Joseph A. Leadabrand; R. M. Schwegler; James W. Spencer; Francis E. Twiss; and F. N. Wray

#### CONTENTS

### September, 1957

### Papers

	Number
The City's Place in the Expanded Highway Program by Alfred Berarducci and Glen C. Richards	. 1371
Direct Solution for Triple Spiraled Compound Curve by Alfred C. Scheer	. 1372
How to Increase the Productivity of Highway Engineers by G. I. Sawyer	. 1373
Operation of Urban Expressways by Joseph Barnett	. 1374
Discussion	. 1378
The Consulting Engineer's Role in the Highway Program by Elmer B. Isaak	. 1380
Significance of Tests for Highway Materials —Basic Tests:  Progress Report of the Committee on Significance of Tests for Highway Materials of the Highway Division •••••••	. 1385
Metropolitan Traffic and Highway Problems by Murray, V. Jones	. 1386
DIVISION ACTIVITIES	
News	1957-18

Copyright 1957 by the American Society of Civil Engineers.