Journal of the

HIGHWAY DIVISION

Proceedings of the American Society of Civil Engineers

HIGHWAY DIVISION EXECUTIVE COMMITTEE

John A. Swanson, Chairman; Talbott S. Huff, Vice Chairman; George Langsner; Wilbur S. Smith; William R. B. Froehlich, Secretary; John M. Hayes, Board Contact Member

COMMITTEE ON PUBLICATIONS

Robert T. Howe, Chairman; R. E. Johnson; Joseph A. Leadabrand; J. C. Oppenlander; Carlton C. Robinson; Paul H. Schuldiner; Walter H. Zimpter; George Langsner, Executive Committee Contact Member

CONTENTS

December, 1965

Papers

	Page
Emerging Principles of Urban Transportation Planning by Kurt W. Bauer	1
Civil Engineering in Urban Transportation Planning by Thomas J. Fratar	11
Deficiencies of Urban Transportation Studies by Roy E. Jorgensen	17
Meeting Future Surface Transportation Needs by Marshall F. Reed	27
High Density Vehicular Flow-Density Relationships by Danilo M. Garcia and John Hugh Jones	37
Factors Considered in Urban Transportation Planning by Charles G. Beer	51

Copyright 1965 by the American Society of Civil Engineers.

The three preceding issues of this Journal are dated January, 1964, August, 1964, and January, 1965.

	Page
Comprehensive Urban Transportation Study Methods by Ralph A. Moyer	57
Financing Urban Transportation by T. R. Todd and Robley Winfrey	89
Spiral Problems for an Electronic Computer by Elias C. Tonias	101
DISCUSSION	
Technological Aspects of Urban Transportation, by Donald S. Berry and Paul W. Shuldiner. (January, 1963. Prior discussion: August, 1964, January, 1965. Discussion closed. There will be no closure.) errata	131
Vertical Curve Plotting with Circular Templates, by Vincent L. Lao. (August, 1964. Prior discussion: January, 1965. Discussion closed.) by James A. Christenson by Vincent L. Lao (closure)	131 133
Financing Future Intercity Transportation Systems, by Ronald W. Pulling. (January, 1965. Prior discussion: None. Discussion closed.) by E. Grosvenor Plowmanby Henry F. Ball	137 138
Planning Public Mass Transportation, by Henry D. Quinby. (January, 1965. Prior discussion: None. Discussion closed.) by Carlton C. Robinson	139 141
Traffic Accident Study on Milwaukee Expressway, by Bruce A. Lind and Hyoungkey Hong. (January, 1965. Prior discussion: None. Discussion closed.) by Lawrence L. Ames	141
Function and Organization of Highway Drainage Sections, by Frederick W. Thorstenson. (January, 1965. Prior discussion: None. Discussion closed.) by Richard C. Tennent by Roy F. Warner	142 146
by R. Robinson Rowe Effect of Floods and Obsolescence on Bridge Life, by Manuel A. Benson and N. C. Matalas. (January, 1965. Prior discussion: None. Discussion closed.) by David C. Colony	147 150