## **CONTENTS**

Pipeline Design to Reduce Anchor and Fishing Board  Damage by Robert J. Brown (Pipeline Division)	9
Research on Pipeline Flotation by Albert J. Bonar and Osman I. Ghazzaly (Pipeline Division)	1
Parameters of Rational Airfield Pavement Design System by W. Ronald Hudson and Thomas W. Kennedy (Highway Division)	15
Effect of Openings on Stresses in Rigid Pavements by Sue K. Wang, Michel A. Sargious, and Yau K. Cheung (Highway Division)	55
Subgrade Strengthening of Existing Airfield Runways by Quentin L. Robnett (Highway Division)	57
Transit's Need for Assured Federal Aid by Michael Cafferty (Urban Transportation Division)	39
Parking Facility Layout: Level-of-Service Approach by Jason C. Yu and Alexander R. Lincoln (Highway Division)	97
-	<b>→</b>

This Journal is published quarterly by the American Society of Civil Engineers. Publications office is at 345 East 47th Street, New York, N.Y. 10017. Address all ASCE correspondence to the Editorial and General Offices at 345 East 47th Street, New York, N.Y. 10017. Allow six weeks for change of address to become effective. Subscription price to members is \$4.00. Nonmember subscriptions available; prices obtainable on request. Second-class postage paid at New York, N.Y. and at additional mailing offices. IR, TE,

The Society is not responsible for any statement made or opinion expressed in its publications.

Effects and Control of Highway Traffic Noise	
by James E. Shahan and George W. Kamperman (Highway Division)	307
Statewide Transportation Planning by Frederick J. Wegmann and Everett C. Carter	
(Urban Transportation Division)	323
STOL Aircraft Flight and Landing Area Considerations	
by John M. Riebe	230
(Air Transport Division)	337
Investing in Regional Highway Networks	
by Leon D. Chapman	252
(Urban Transportation Division)	333
Pipeline Location: Bibliography Supplement	
by Committee on Pipeline Location of the Pipeline Division	363
(Pipeline Division)	303
Effect of Environment on Rapid Transit Construction	
by George O. Kline	267
(Urban Transportation Division)	307
Reexamination of Transportation Planning	
by Raymond H. Ellis	371
(Urban Transportation Division)	3/1
Social Implications of Land Use and Mode Choice	
by Jeffrey M. Zupan	202
(Urban Transportation Division)	303
Full Compensation and Transportation Corridor Analysis	
by Joseph R. Passonneau	201
(Urban Transportation Division)	393
Allocation and Apportionment of Highway Funds	
hy Woodrow W. Rankin and Ralph J. Oravec	40
(Highway Division)	40:

## **DISCUSSION**

## Proc. Paper 9691

Effect of Load Placement on Rigid Pavement Behavior, by Harvey J. Treybig, W. Ronald Hudson, and B. F. McCullough (Nov., 1971. Prior Discussion: Nov., 1972).
closure
Cracking Mechanism of Flexible Pavements, by Jacob Uzan, Moshe Livneh, and Elisha Shklarsky (Feb., 1972).  errata
Soil-Cement Bases Under Thin Bituminous Surfacing, by Boniface C. A. Obi (May, 1972).  by E. Ottè
Responsibility of Gas Utilities for Pipeline Safety, by Carl T. Kallina (May, 1972).
errata
Forecasting Travel on Regional Highway Network, by Arun Chatter- jee and Paul D. Cribbins (May, 1972).
by Stephen Quinnan
The Undersea Aqueduct—A New Concept in Transportation, by Ellis L. Armstrong (May, 1972).  errata
Four-Day Work Week and Transportation, by Vincent R. Desimone (Aug., 1972).
by Jeffrey M. Zupan
Expressway Rapid Transit, by George Krambles (Nov., 1972).  errata
TECHNICAL NOTES
New Considerations and Experimental Data on Plastic Pipes by Praxitelis A. Argyropoulos  (Pipeline Pipinier) 43
a Discussion period closed for this paper. Any other discussion received during this
discussion period will be published in subsequent Journals.