## **CONTENTS**

Basic Pipe Stress Evaluation Summary				
by Gerald F. Mouser				
(Pipeline Division)	 	 		349
Specifying Pipeline Construction				
by Milton J. Hecker				
(Pipeline Division)	 	 		361
Liability in Traffic and Highway Operations				
by Sheldon I. Pivnik				
(Highway Division)	 	 		373
Preferential Treatment—What Lies Ahead				
by Morris J. Rothenberg				
(Urban Transportation Division)	 	 		383
Improving Performance in Rapid Transit Systems				
by Harvison Hunt				
(Urban Transportation Division)	 	 		393
Chicago's Computerized Traffic Control System				
by Ronald Q. Pool				
(Urban Transportation Division)	 	 		401
Freight Pipeline, Rail, and Truck Cost Comparison				
by Iraj Zandi, John A. Warner, and Ronald Mersky				
(Pipeline Division)	 	 		411

This Journal is published bimonthly 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 \$10.00. Nonmember subscriptions available; prices obtainable on request. Second-class postage paid at New York, N.Y. and at additional mailing offices. EE, EM, TE.

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

by Walter C. Mih	
(Pipeline Division)	427
Remote Sensing Sensors for Environmental Studies	
by B. Sen Mathur	
(Aerospace Division)	439
Management System for Pavement Maintenance	
by Fred N. Finn	
(Highway Division)	457
Estimating Supporting Strength of Flexible Pipes	
by Otto Brody	
(Pipeline Division)	473

## 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  $3 \times 5$  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.