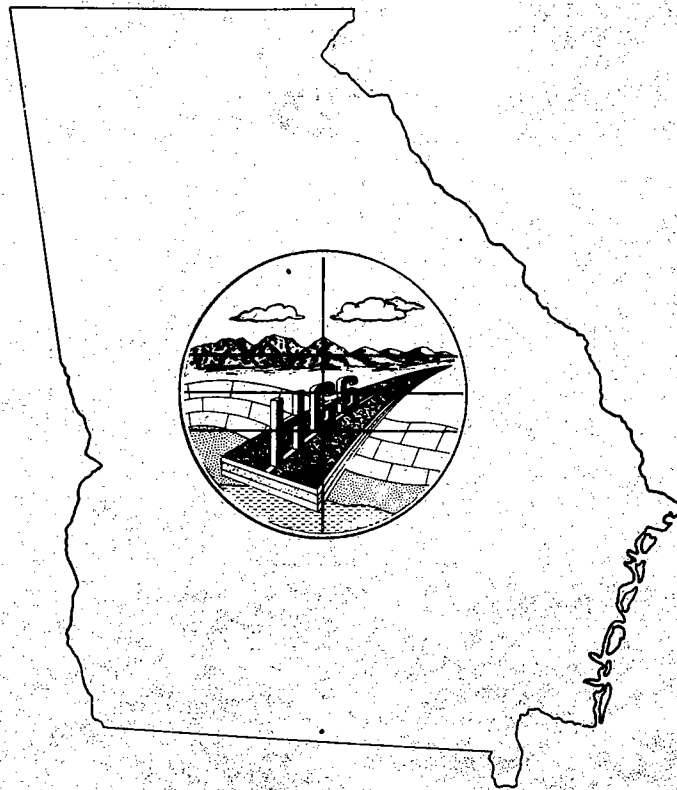




34th Annual Highway Geology Symposium Final Proceedings



May 2, 3 & 4 1983
Atlanta, Georgia

Sponsors

Georgia Department of Transportation
Georgia Geological Survey
Federal Highway Administration

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PREFACE

The 34th Annual Highway Geology Symposium was held in Atlanta, Georgia, at the Stone Mountain Inn at the base of Georgia's most famous mountain. One of the meeting's highlights was the field trip which concentrated on the multi million dollar downtown highway reconstruction and rapid transit construction. Dinner break was held at the historic Kennesaw Mountain National Park.

Probably, the most significant geotechnical techniques observed was the utilization of various types of precast wall systems. All of these walls owe much of their successful design to the crushed granite backfill which is being furnished by several giant quarries located around the city. One large quarry, Vulcan at Norcross, was visited and studied by the group.

Technology of the Symposium was a milestone for meetings of this sort. Georgia Department of Transportation's Geotechnical Engineering Bureau, the Georgia Department of Natural Resources (State Geologist's Office), and the Federal Highway Administration's Geotechnical Engineer compiled the team that planned the Symposium.

Input by Industry was excellent; several papers were given on new techniques outlining their usefulness in solving complex geotechnical problems safely and more economically. Vibration control in a city that requires blasting on practically every project without damaging adjacent structures was stressed.

Input by Georgia Tech was significant with Professor George Sowers giving the traditional banquet speech calling on us all to try harder for more economic.

well engineered jobs. Purdue University was also well represented with two excellent papers on soil mechanics.

Georgia's outstanding transportation program is steered by Commissioner Tom Moreland and his Georgia Tech colleague, D. J. Altobelli, Division Administrator for Federal Highway. It was Mr. Moreland himself that organized the first competent geotechnical section of Georgia Department of Transportation in 1960.

Dedication of this Symposium was to George Meadows of Virginia Department of Transportation who spent his career in geotechnical work to have it ended abruptly by his death just prior to this Symposium. George will be sadly missed.

A total of 125 people attended the Symposium, and our thanks goes out for their support. Apologies are also in order for the delay in publishing these proceedings. No excuses are offered other than Georgia Department of Transportation's work comes first.

David A. Mitchell

*HIGHWAY GEOLOGY SYMPOSIUM

Medallion Winners

Hugh Chase	-	1970
Tom Parrott	-	1970
Paul Price	-	1970
K. B. Woods	-	1971
R. J. Edmonson	-	1972
C. S. Mullin	-	1974
A. C. Dodson	-	1975
Burrell Whitlow	-	1978
Bill Sherman	-	1980
Virgil Burgat	-	1981
David L. Royster	-	1982
Henry Mathis	-	1982
Terry R. West	-	1983

*In 1969, the Symposium instituted an awards program, and with the support of Mobile Drilling Company of Indianapolis, Indiana, designed a plaque to be presented periodically to individuals who have made significant contributions to the HGS over a period of years. The award, a 3½" medallion mounted on a walnut shield and appropriately inscribed, is presented during the banquet at the Annual Symposium.

NATIONAL STEERING COMMITTEE



34TH ANNUAL HIGHWAY GEOLOGY SYMPOSIUM
NATIONAL STEERING COMMITTEE MEMBERS

Dr. Terry R. West - Chairman
Associate Professor
Department of Geosciences & Civil Engineering
Purdue University
West Lafayette, IN 57907
Phone - (317) 494-3296

Burrell S. Whitlow - Vice Chairman
President
Geotechnics, Inc.
231 Walnut Avenue
Vinton, VA 34179
Phone - (703) 344-4569

David L. Royster - Secretary
Engineering Administrator
Geotechnical & Laboratory Operations Office
Tennessee Department of Transportation
2200 Charlotte Avenue
Nashville, TN 37203
Phone - (615) 320-8241

W. D. Bingham - Treasurer
State Highway Geologist
Department of Transportation
Division of Highways
Raleigh, NC 27611
Phone - (919) 733-6911

Vernon L. Bump
Foundation Engineer
Department of Transportation
Division of Highways
Pierre, SD 57501
Phone - (605) 773-3401

R. G. Charboneau
Chief Geologist
Idaho Department of Highways
P. O. Box 7129
Boise, ID 83707

Walter F. Fredericksen
Kansas Department of Transportation
R.R. #2, Box 13B
Erie, Kansas 66733
Phone - (316) 244-5530

John B. Gilmore
Colorado Highway Department
4340 East Louisiana
Denver, CO 80222
Phone - (303) 757-9275

Joseph A. Gutierrez
Geologist
Mideast Division
Vulcan Materials Company
P. O. Box 4195
Winston-Salem, NC 27105
Phone - (919) 767-4600

Jeffrey L. Hynes
Colorado Geological Survey
1313 Sherman Street, Room 715
Denver, CO 80203
Phone - (303) 866-3458

William C. Lovell
Professor of Civil Engineering
Purdue University
Grissom Hall
West Lafayette, IN 47907
Phone - (317) 494-5034

Harry Ludowise
Federal Highway Administration
610 East Fifth Street
Vancouver, WA 98661

Henry Mathis
Manager, Geotechnical Branch
Division of Materials
Kentucky Department of Transportation
Frankfort, KY 40601
Phone - (502) 564-3160

William McCasland
Materials Division
Oklahoma Department of Transportation
200 N.E. 21st Street
Oklahoma City, OK 73105

Marvin L. McCauley
California Division of Highways
5900 Folsom Blvd.
Sacramento, CA 95819
Phone - (916) 444-4800

David Mitchell
Chief, Geotechnical Bureau
Georgia Department of Transportation
Forest Park, GA 30050
Phone - (404) 363-7546

Dr. Michael A. Ozol
Research Institute for Advanced Studies
1450 S. Rolling Road
Baltimore, MD 21227
Phone - (301) 247-0700

William F. Sherman
Chief Geologist
Wyoming Highway Department
P. O. Box 1708
Cheyenne, WY 28001
Phone - (307) 777-7450

Mitchell D. Smith
Engineer
Research & Development Division
200 N.E. 21st Street
Oklahoma City, OK 73105
Phone - (405) 521-2671

Berke Thompson
Assistant Director
Materials Control, Soil & Testing Division
West Virginia Department of Highways
312 Michigan Avenue
Charleston, WV 25311
Phone - (304) 348-3623

Gerald E. Wallace
District Geologist
Missouri State Highway Department
Town & Country, MO 63131
Phone - (314) 966-3800

W. A. Wisner
Geologist
Florida Department of Transportation
Office of Materials & Research
P. O. Box 1029
Gainesville, FL 32601
Phone - (904) 372-5304

Ed J. Zeigler, Associate
Rummel, Clepper, and Kahl
1035 N. Calvert Street
Baltimore, MD 21202
Phone - (301) 247-2260

34th ANNUAL HIGHWAY GEOLOGY SYMPOSIUM
STONE MOUNTAIN, GEORGIA
May 2-4, 1983

Lee Abramson
Law/Geo Consult International
2749 Delk Road, S.E.
Marietta, Georgia 30060

Richard Barksdale
Ga. Institute of Technology
225 North Ave., N.W.
Atlanta, Georgia

Bob Alperstein
Woodward-Clyde Consultants
1250 Broadway
New York, N.Y. 10001

Bud Cantrell
Mobile Drilling Co., Inc.
3807 Madison Ave.
Indianapolis, Indiana 46227

James H. Aycock
Tennessee Dept. of Transportation
P. O. Box 58
Knoxville, Tennessee 37901

Stephen S. Clinger
Federal Highway Administration
810 Noble Forest Dr.
Norcross, Ga 30092

Warren F. Bailey
Georgia Department of Transportation
6172 Continental Circle
Morrow, Georgia 30260

Melvin D. Collins
Georgia Department of Transportation
Route 36, Box 185-E
Newnan, Georgia 30263

W. D. Bingham
North Carolina Dept. of
Transportation
3713 Lancelot Court
Raleigh, N. C. 27604

Gary Collison
Golder Associates
5125 Peachtree Rd
Chamblee, Georgia 30341

J. David Bogle
Georgia Marble Company
Box 409
Lithonia, Georgia 30345

Chuck Danford
Vibra-Tech South
2226 Bethany Church Road
Snellville, Georgia 30278

Dwight Brainard
Brainard-Kilman Drill Company
2058 Kilman Drive
Tucker, Georgia

Randy Denman
Vibra-Tech South
2226 Bethany Church Road
Snellville, Georgia 30278

Tom Buchanan
Parsons, Brinckerhoff/Tudor
3518 Roswell Road, N.W., C-6
Atlanta, Georgia 30305

Robert T. Dickerson
Georgia Department of Transportation
3511 Evans Mill Road
Lithonia, Georgia 30058

Vernon L. Bump
South Dakota Dept. of
Transportation
Pierre, South Dakota 57501

Richard Dickinson
Mobile Drilling Co., Inc.
3807 Madison Ave.
Indianapolis, Indiana 46227

Gene E. Burden
Georgia Department of Transportation
1012 Pine Glen Drive
Forest Park, Georgia 30050

Philip K. DiPirro
Schnabel Foundation Company
5210 River Road
Bethesda, Maryland 20816

John H. Dixon
Tensar, Inc.
151 High Park Ave.
Toronto, Canada

Don Dominske
Construction Techniques, Inc.
1568 Willingham Dr., Suite 100
Atlanta, Georgia 30337

M. A. Dougherty
Soiltest, Inc.
1281 Brockett Road, 13F
Clarkston, Georgia 30021

K. M. Drummond
Norfolk Southern Corporation
Route 6, Box 43
Salem, Virginia 24153

Sid Davis
Schnabel Foundation Company
P. O. Box 887
Tucker, Georgia 30084

Philip Egan
The Reinforced Earth Company
1700 N. Moore Street
Arlington, Virginia 22066

Danny E. Embry
Southern Company Services
P. O. Box 2625
Birmingham, Alabama 35202

Henry Erhardt
Sprague and Henwood, Inc.
7336 Howard Circle
Jonesboro, Georgia 30237

J. Steven Farr
Farr Foundation Drilling Co., Inc.
P. O. Box 897
Irmo, South Carolina 29063

Frank Fordham
The Reinforced Earth Company
3401 Norman Berry Drive
Atlanta, Georgia 30344

Richard M. Franke
Southern Company Services
424 Paramount Lane
Birmingham, Alabama 35226

Hugh Garst
Hayes, Seay, Mattern & Mattern
1315 Franklin Road
Roanoke, Virginia 24016

Russell Glass
North Carolina Department of
Transportation
100 Wolfe Cove Road
Asheville, North Carolina 28804

Charles B. Gover
Puerto Rico Highway Authority
G.P.O. Box 3909
San Juan, Puerto Rico 00936

J. Grosch
Woodward-Clyde Consultants
P. O. Box 66317
Baton Rouge, Louisiana 70896

Joseph A. Gutierrez
Vulcan Materials Company
P. O. Box 4195
Winston Salem, North Carolina 27105

Neil Hawks
Transportation Research Board
2101 Constitution Avenue, N.W.
Washington, D.C. 20418

Rolfe Hadfield
PCP, Inc.
P. O. Box 97
Landenberg, Pennsylvania 19350

Jeffrey L. Hynes
Colorado Geological Survey
2280 Birch Street
Denver, Colorado 80207

Alan Key
VSL Corporation
P. O. Box 866
Springfield, Virginia 22150

John W. King
Hill-Fister Engineers, Inc.
1804 Montreal Court, Suite C
Tucker, Georgia 30084

James Lambrechts
Haley & Aldrich, Inc.
238 Main Street
Cambridge, Massachusetts 02142

Robert Leary
Federal Highway Administration
1720 Peachtree Road, Suite 200
Atlanta, Georgia 30367

C. W. Lovell
Purdue University
2918 Linda Lane
West Lafayette, Indiana 47906

Harry Ludowise
6308 N. E. 12th Ave
Vancouver, Washington 98665

Clarke Lundell
Southern Company Services
P. O. Box 2625
Birmingham, Alabama 35202

Charles R. Martin
Sprague & Henwood, Inc.
221 West Olive Street
Scranton, Pennsylvania 18501

Henry Alvin Mathis, Jr.
Kentucky Department of Highways
Wilkerson Boulevard
Frankfort, Kentucky 40622

Robert M. Mattox
Vibroflotation Foundation Company
Fairhope, Alabama 36532

Willard McCasland
Oklahoma Department of Transportation M5H3R6
321 Sahoma Terrace
Edmond, Oklahoma 73034

Richard McKillup
Associated Pipe & Fitting Corp.
Rt. #2
Cadiz, Kentucky 42211

James L. McIntyre
Georgia Department of Transportation
2977 Lee Road
Lithonia, Georgia 30058

David L. McKinney
Southern Company Services
P. O. Box 2625
Birmingham, Alabama 35202

William McLemore
Georgia Geologic Survey
19 Martin Luther King Dr., S.W.
Atlanta, Georgia

David A. Mitchell
Georgia Department of Transportation
290 Felker Street
Monroe, Georgia 30655

Harry Moore
Tennessee Department of Transportation
200 Charlotte Avenue
Nashville, Tennessee 37203

Joe Nicholson
Nicholson Construction Company
1655 Peachtree Street, Suite 906
Atlanta, Georgia 30309

Peter Nicholson
Nicholson Construction Co.
P. O. Box 98
Bridgeville, Penn. 15017

Chuck Norwood
Central Mine Equipment Company
6200 N. Broadway
St. Louis, Missouri 63147

Tim Oliver
Tensar, Inc.
130 Adelaide Street West
Toronto, Ontario, Canada

Art Olson
Control Center, Inc.
3517 Sutherland Avenue
Knoxville, Tennessee 37919

A. Ortiz
Golder Associates
5125 Peachtree Rd.
Chamblee, Georgia 30341

Debra Pardue
Macon Prestressed Concrete Co.
Jonesboro, Georgia 30236

Lee Reynolds
Federal Highway Administration
1422 W. Peachtree St.
Atlanta, Georgia 30309

Charles O. Riggs
Central Mine and Equipment Co.
6200 North Broadway
St. Louis, Missouri

David L. Royster
Tennessee Department of Transportation
200 Charlotte Avenue
Nashville, Tennessee 37203

Tom Russell
Federal Highway Administration
1422 W. Peachtree St.
Atlanta, Georgia 30309

J. C. Schwarzhoff
Forest Service
1720 Peachtree Road
Atlanta, Georgia

William L. Schelling
Maccaferri Gabions, Inc.
Route 2, Box 43A
Williamsport, Maryland 21795

Thomas Scruggs
Georgia Department of Transportation
15 Kennedy Drive
Forest Park, Georgia 30050

W. F. Sherman
Wyoming Highway Department
Geology Branch
2780 Spruce
Cheyenne, Wyoming 82001

Ron E. Smith
Woodward-Clyde Consultants
1300 Piccard Drive
Rockville, Maryland 20850

Paul E. Spiels
Federal Highway Administration
3250 Panola Road
Lithonia, Georgia 30058

Max Stephens
Vulcan Materials Company
P. O. Box 80730
Atlanta, Georgia 30366

Ernie Taylor
Geologic Testing, Inc.
100 Rogers St., N.E.
Atlanta, Georgia 30317

Berke L. Thompson
West Virginia Dept. of Highways
312 Michigan Avenue
Charleston, West Virginia 25311

Charles Titshaw
Georgia Marble Company
P. O. Box 409
Lithonia, Georgia 30058

Charles Trettel
Vibra-Tech South
2226 Bethany Church Road
Snellville, Georgia 30278

Michael R. Turner
Franki Foundation Company
3301 Buckeye Road, N.E.
Atlanta, Georgia 30341

William M. Webb
Georgia Department of Transportation
4135 Honeysuckle Drive
Smyrna, Georgia 30080

Terry R. West
Purdue University
Department of Geosciences
West Lafayette, Indiana 47907

Burrell S. Whitlow
Geotechnics, Inc.
P. O. Box 217
Vinton, Virginia 24179

Bobby E. Williams
Southern Company Services
6775 Winchester Lane
Helena, Alabama 35080

Maxine Wood
Georgia Marble Company
7621 Rock Mountain Road
Lithonia, Georgia 30058

INVESTIGATION, EVALUATION, AND QUALITY CONTROL
OF
AGGREGATE SOURCES IN GEORGIA
BY
ROBERT T. DICKERSON

PRESENTED AT THE
34TH ANNUAL HIGHWAY GEOLOGY SYMPOSIUM
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