

# The Aggregates Handbook, 2nd Edition

Published by the National Stone, Sand and Gravel Association 2013, Hardbound, 880 pages, 3 lbs Book Order No. 9112

### \$90 Member

\$70 Student Member \$110 Nonmember/List

# SME Society for Mining, Metallurgy & Exploration

Your most precious resource.

www.smenet.org/store

books@smenet.org

Local 303.948.4225

Toll-free 1.800.763.3132

# The Aggregates Handbook, 2nd Edition

For more than two decades, **The Aggregates Handbook** has been the industry's source for aggregates technology and knowledge.

The second edition of this comprehensive reference tool includes new and updated material, including rapidly changing technologies in the aggregates industry. It also includes expanded coverage of developments in sustainability, production technology, safety, transportation, design, technology standards, and industry trends.

Whether you are new to the industry, a seasoned professional, or simply curious about aggregates mining, you will find this volume informative and a valuable reference book.

## Contents

- Introduction to the Aggregates Industry
- Basic Properties of Aggregates
- Geology and Exploration
- Environmental Compliance
- Sustainability
- Industry Health and Safety
- Extraction Principles
- Processing Plant Principles
- The Marketplace
- Product Transportation and Distribution Systems
- Aggregates as a Structural Product
- Aggregates for Structural, Geotechnical, and Civil Engineering Applications
- Impact of Properties of Aggregates on Pavement Design and Analysis
- Effect of Aggregates on the Characteristics and Performance of Portland Cement Concrete
- Effect of Aggregates on the Characteristics and Performance of Hot Mix Asphalt
- Non-Construction Uses of Stone
- Specifications, Standards, and Guidelines for Aggregates Base Course
- Quality Control, Sampling, and Testing

The Society for Mining, Metallurgy, and Exploration, Inc. 12999 East Adam Aircraft Circle, Englewood, CO 80112