

# **Table of Contents**

1. Introduction

## **PART ONE: EARTHMOVING AND HEAVY CONSTRUCTION**

2. Earthmoving Materials and Operations

3. Excavating and Lifting

4. Loading and Hauling

5. Compacting and Finishing

6. Rock Excavation

7. Production of Aggregate, Concrete, and Asphalt Mixes

8. Paving and Surface Treatments

9. Compressed Air and Water Systems

## **PART TWO: BUILDING CONSTRUCTION**

10. Foundations

11. Wood Construction

12. Concrete Construction

13. Concrete Form Design

14. Masonry Construction

15. Steel Construction

## **PART THREE: CONSTRUCTION MANAGEMENT**

16. Planning and Scheduling

17. Construction Economics

18. Contract Construction

19. Construction Safety and Health and Equipment Maintenance

20. Improving Productivity and Performance

APPENDIX A: METRIC CONVERSION FACTORS

APPENDIX B: CONSTRUCTION INDUSTRY ORGANIZATIONS

APPENDIX C: CONSTRUCTION INTERNET SOURCES