

- Surveying Principles
- 1 Surveying Fundamentals
- 2 Distance Measurement
- 3 Leveling
- 4 Angles and Theodolites
- 5 Total Stations
- 6 Traverse Surveys and Computations
- 7 An Introduction to Geomatics
- 8 Global Positioning Systems (GPS)
- 9 Construction Control Surveys
- II Construction Applications
- 10 Highway Curves
- 11 Highway Construction Surveys
- 12 Municipal Street Construction Surveys
- 13 Pipeline and Tunnel Construction Surveys
- 14 Culvert and Bridge Construction Surveys
- 15 Building Construction Surveys
- Appendix C Glossary
- 16 Quantity and Final Surveys
- Appendix A Trigonometry and Coordinate Geometry Review
- Appendix B Surveying and Mapping Internet Websites
- Appendix D Typical Field Projects
- Appendix E Answers to Selected Problems
- Appendix F Steel Tape Corrections
- Appendix G Early Surveying
- Appendix H Illustrations of Machine Guidance Equipment and Geomatics Presentations
- Index