## Contents

**Preface**  vii

### Part I: Economics for Infrastructure and the Environment

1. Economics and Finance for Infrastructure and Environmental Management  3
2. Economic Concepts for Infrastructure and Environmental Decisions  11
3. Urban and Regional Land Use  33
4. Civil Infrastructure Systems  50
5. Transportation Economics  62
7. Utility Economics  108
8. Construction Industry Economics  124

### Part II: Finance for Infrastructure and the Environment

9. Infrastructure Finance  141
10. Accounting and Financial Statements  150
11. Public Finance and Budgeting  174
12. Revenue Sources for Infrastructure and Utilities  188
13. Capital Financing and Markets  209
Part III: Economic and Financial Tools for Managers

14 Asset Management for Infrastructure 229
15 Decision Analysis and Institutional Analysis 243
16 Engineering Economics and Financial Analysis 251
17 New Tools for Managing Infrastructure and the Environment 278

Index 295

About the Author 301