

CONTENTS

What Is Infrastructure and How to Read This Book	1
PART ONE: Water	7
CHAPTER ONE – Water Collection: All Aqueducts Lead to Rome	9
CHAPTER TWO – Water Treatment: Drinking from the Seas in Tel Aviv	21
CHAPTER THREE – Water Distribution: Quenching the Soaring Dragon in Hong Kong	35
CHAPTER FOUR – Sanitary Sewers: Conscience, Convergence, and Clarifiers in Paris	45
CHAPTER FIVE – Stormwater Management: Rain or Shine, Climate Resilience in Copenhagen	59
PART TWO: Transport	71
CHAPTER SIX – Traffic and Roads: Stuck on the 405 in Los Angeles	73
CHAPTER SEVEN – Public Transport: Minding the Gap in London	85
CHAPTER EIGHT – Active Transport: Pathways, Bikeways, and Shared Spaces in Amsterdam	97
CHAPTER NINE – Integrated Transport: The Only Way to Prevent Transport Chaos in Shanghai	109

PART THREE: Energy	123
CHAPTER TEN – Electricity Generation: The Powers That Power Cape Town	125
CHAPTER ELEVEN – Electricity Distribution: The Birth of the Grid in Chicago	139
CHAPTER TWELVE – Natural Gas: A Dead Cow, an Oracle, and a Rotten Egg Smell in Buenos Aires	151
CHAPTER THIRTEEN – Solid Waste Management: From a Garbage War to a Sea Forest in Tokyo	165
PART FOUR: Telecommunication	181
CHAPTER FOURTEEN – Analog Telecommunication: Can You Hear Me Now in New York City	183
CHAPTER FIFTEEN – Digital Telecommunication: Surfing on the Internet in San Francisco	197
PART FIVE: Infrastructure	215
CHAPTER SIXTEEN – Infrastructure: We Have Come Full Circle in Singapore	217
Concluding Remarks and the Future of Infrastructure	237
Acknowledgments	251