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Nota di contenuto	SECTION 1: Financial, legal and contractual framework -- Chapter 1: Highway Legislation: England and Wales -- Chapter 2: Highway Legislation: Scotland -- Chapter 3: Highway Legislation: Northern Ireland -- Chapter 4: Public procurement -- Chapter 5: Funding the Highways Agency: estimates, funding, monitoring -- Chapter 6: Major highway scheme finance -- Chapter 7: Highway capital maintenance -- Chapter 8: Revenue funding for maintenance activities -- Chapter 9: Forms of contract for highway construction projects -- Chapter 10: National specification and design documents -- Chapter 11: Local specifications and design documents -- Chapter 12: European Standards for products -- SECTION 2: Transport planning -- Chapter 13: Introduction to policy and practice -- Chapter 14: Existing conditions and data -- Chapter 15: Characteristics of transport and travel -- Chapter 16: Estimating transport demand -- Chapter 17: Traffic models for highway schemes -- Chapter 18: Forecasting future conditions -- Chapter 19: Scheme appraisal -- Chapter 20: Public consultation -- SECTION 3: Traffic engineering -- Chapter 21: Introduction, history, definition -- Chapter 22: Traffic engineering legislation -- Chapter 23: Traditional traffic management -- Chapter 24: Capacity analysis -- Chapter 25: Highway layout and junction design -- Chapter 26: Vehicle parking, waiting and loading -- Chapter 27: Modern traffic management -- Chapter 28: Assisting public

transport -- Chapter 29: Road safety engineering -- Chapter 30: Intelligent transport systems -- SECTION 4: Highway design principles and practice -- Chapter 31: Highway design principles and practice: an introduction -- Chapter 32: Site investigation and foundation design -- Chapter 33: Geometric design -- Chapter 34: Drainage design -- Chapter 35: Private developer projects -- Chapter 36: Pavement design (highways) -- Chapter 37: Pavement design (highways rigid) -- Chapter 38: Pavement design (ancillary usage) --Chapter 39: Analytical pavement design -- Chapter 40: Unsealed highway construction -- Chapter 41: Surface characteristics (noise) -- Chapter 42: Skid resistance -- Chapter 43: Sustainability -- Chapter 44: Environmental considerations -- SECTION 5: Highway materials and recycling -- Chapter 45: Highway materials: an introduction -- Chapter 46: Unbound aggregates -- Chapter 47: Hydraulically bound mixtures for local roads -- Chapter 48: Roller compacted concrete -- Chapter 49: Cold mix asphalt layers -- Chapter 50: Hot mix asphalt layers -- Chapter 51: Laying asphalts -- Chapter 52: Small element paving: design and construction -- Chapter 53: Surface treatments for highways -- Chapter 54: Road markings -- SECTION 6: Maintenance planning and techniques -- Chapter 55: Introduction and scope -- Chapter 56: Maintenance policies -- Chapter 57: Maintenance types -- Chapter 58: The maintenance organisation -- Chapter 59: Politics and public -- Chapter 60: The involvement and impact of the utilities -- Chapter 61: Winter service and other weather emergencies -- Chapter 62: Financial management -- SECTION 7: Asset management -- Chapter 63: An introduction to asset management -- Chapter 64: Starting the process of asset management -- Chapter 65: Levels of Service -- Chapter 66: Valuation of the assets -- Chapter 67: Lifecycle planning -- Chapter 68: Asset management strategy and risk management -- Chapter 69: Developments and conclusions -- Index.

Sommario/riassunto

The 'ICE Manual of Highway Design and Management' is a one-stop reference for all practising engineers working in the field of highway engineering.
