

1. Record Nr.	UNINA9910911296203321
Autore	Hansen Karen Lee
Titolo	Civil Engineer's Handbook of Professional Practice
Pubbl/distr/stampa	Newark : , : John Wiley & Sons, Incorporated, , 2025 ©2025
ISBN	1-119-73981-0 1-119-73980-2 1-119-73982-9
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (915 pages)
Altri autori (Persone)	ZenobiaKent E
Disciplina	624.023
Soggetti	Civil engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>"The Civil Engineer's Handbook of Professional Practice is a professional practice guide for civil engineers. The first two decades of the 21st century have afforded many opportunities to reflect on the role civil engineers will play in coming years. The global economy and world banking system, national security, climate change, dwindling natural resources, technological advances, and societal changes have provided sufficient food for thought. As a university program, civil engineering has been growing in the 21st century. Enrolment in most universities across the nation continues to increase, partially due to shrinking opportunities in other technical fields as a result of outsourcing. Civil engineers work very closely with government agencies and on projects requiring significant local knowledge, making outsourcing of their work difficult. According to the US Bureau of Labor Statistics, civil engineers are expected to experience an 8 percent employment growth during the projection's decade 2020 to 2030. Related to the need to improve the Nation's infrastructure, more civil engineers will be required to design and construct or expand transportation, water supply, flood control, pollution control systems, buildings, building complexes, and other major civil engineering projects. They also will be needed to repair or replace existing roads, bridges, public structures and to</p>

respond to the increasing pressures of climate change and the demand
for resilient infrastructure"--
