



**D&B ENGINEERS  
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## **Sewer Condition Assessment and Rehabilitation**

### ***Experts in the Prioritization, Condition Classification, Structural Assessment and Rehabilitation of Brick and Pipe Sewers.***



An outcome of extensive research and practical experience that covers every aspect of managing valuable assets from inspections and condition assessments to a full rehabilitation programs, D&B Engineers and Architects, P.C. (D&B) maintains a unique approach to sewer condition assessments and rehabilitations. This approach, coupled with our firm's unrivaled knowledge of the advantages and limitations of rehabilitation techniques, instills confidence that the solutions applied will be the most cost-effective for a particular sewer system.

D&B's unique approach includes the following steps:

- Inspect sewers in order of criticality
- Grade sewers against an international recognized "risk of failure" ranking system
- Evaluate rehabilitation options
- Implement cost-effective lifecycle solutions

This logical, systematic approach benefits from the tools and procedures developed by our affiliate company, D&B/Guarino Engineers, LLC (D&B/Guarino), and from years of applied experience that is essential to providing successful rehabilitation solutions. The result is an assurance that the substantial public assets represented by your sewers will last for generations.

D&B works directly with cities and municipalities to provide specialty services for all types of sewer system upgrades. Special problems, such as those presented by aging brick sewers, are handled by a team of engineers with the skills and experience in

the assessment, rehabilitation and operation of these systems. D&B's services include:

- Development of cost-effective sewer upgrading programs
- Specification and management of sewer condition surveys
- Processing and interpretation of condition survey data
- Upgrading of existing sewer records
- The development of a computerized sewer database
- Identification of critical sewers in a system
- Computer models simulating sewer flows
- Flow surveys to verify hydraulic models
- Specification and testing of sewer rehabilitation materials
- Design and management of CSOs
- Drainage area planning
- Surface water quality assessment

D&B and D&B/Guarino have worked with over 300 clients to provide specialist and expert services to rank, assess, and upgrade all types of sewer systems throughout the United States, Canada, Europe, the Middle East, and Far East. The Sewerage Rehabilitation Manual and the Manual of Sewer Condition Classification, the backbone of the D&B's approach, have been adopted worldwide and are both available through the Water Environment Federation (WEF) book store.

[www.db-eng.com](http://www.db-eng.com)