Introduction to BIM

## INTRODUCTION TO THE BRIDGE INSPECTION AND MAINTENANCE SYSTEM (BIM)





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## BIM System Functions

- Ensures appropriate levels of safety and service.
- · Maximizes life and utility of bridge structures.
- Assists service life prediction of bridge elements or structure types.
- Identifies need for continued monitoring.
- Provides a electronic system for managing inspection information and collecting and verifying inventory data.
- Provides data for setting priorities.





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## BIM System Definition

A comprehensive management system with the ability to process inspection and component information to support:

- Inspection management
- Maintenance programming
- Strategic planning
  - » Rehabilitation programs
  - » Replacement programs
  - » Budget development





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## BIM System Functions (cont'd)

- · Assists the allocation of resources.
- Provides information to develop maintenance costs (.i.e. materials, quantities).
- Facilitates information exchange with others.
- Provides a framework for training and evaluation of inspectors.
- Provides information for evaluating design, construction and maintenance standards.

















