BIM System Functions INTRODUCTION Ensures appropriate levels of safety and service. • Helps to maximizes life and utility of bridge structures. Bridge Inspection & Maintenance System (BIM) Assists service life prediction of bridge elements or structure types. • Identifies the need for continued monitoring. • Provides an electronic system for managing inspection information and collecting and verifying inventory data. Provides data for setting priorities. Albertan 3 Albertan 3 1

BIM System Definition

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

- · Inspection management
- Maintenance programming
- Strategic & Life Cycle planning
 - Rehabilitation programs
 - Replacement programs
 - Budget development

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BIM System Functions (cont'd)

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

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Section 1.2 in Manual











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BIM System – Critical Considerations The accuracy of the information contained within the BIM system directly inpacts the effectiveness of the system. Consistency of inspection standards Inspection accuracy Inventory accuracy Maintenance accuracy The bridge inspector must adhere to the highest standard at all times.

