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Bridge Preservation Guide: Maintaining a State of Good Repair Using Cost Effective Investment Strategies

By U. S. Department of Transportation

Createspace. Paperback. Condition: New. This item is printed on demand. 30 pages. Dimensions: 9.0in. x 6.0in. x 0.1in. State departments of transportation and other bridge owners are faced with significant challenges in addressing the Nations highway bridge preservation and replacement needs. More than 25 percent of the Nations 600, 000 bridges are rated as structurally deficient or functionally obsolete. More than 30 percent of existing bridges have exceeded their 50-year theoretical design life and are in need of various levels of repairs, rehabilitation, or replacement. This issue is exacerbated by increasing travel demands, limited funding, and increasing costs of labor and materials. These circumstances have caused most bridge owners to become more reactive than proactive in their approach to managing and addressing their bridge program needs. Bridge stewards and owners need to become, inevitably, more strategic by adopting and implementing systematic processes for bridge preservation as an integral component of their overall management of bridge assets. A successful bridge program seeks a balanced approach to preservation and replacement. Focusing only on replacing deficient bridges while ignoring preservation needs will be inefficient and cost-prohibitive in the long term. Adopting a worst first approach to managing bridge assets may also yield ineffective results...



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