





TTAP Video Catalog  
Phone: 1-800-252-ROAD (inside TN)  
(865) 974-5255 (outside TN)  
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***Modern Timber Bridges: A New Return for Old New England***

Rhode Island T2                      1992                      15 minutes                      Video ID # 7

Explains the timber bridge demonstration project in the Town of Foster, Rhode Island. Discusses how the use of locally abundant timber can result in cost savings over steel and concrete while achieving the same traffic load bearing capability.

***Non-Destructive Testing of Bridges***

CalTrans                                      1988                                      13 minutes                                      Video ID # 8

Discusses the role of non-destructive testing in the evaluation of bridges. The following three testing methods are described in detail: liquid penetrant, ultrasonic, and radiography.

***Pennsylvania Bridges: Maintaining the Past - Preserving the Future***

PENNDOT/FHWA                                      10 minutes                                      Video ID # 301

Highlights the concept of performing maintenance activities at the proper time to a particular bridge. Discusses the importance of maintenance and inspection procedures to ensure bridge safety. Illustrates the importance of a solid bridge maintenance schedule, applying proper maintenance procedures to each type of bridge and the consequences of.

***Pile Cap Replacement***

Oregon T2 / OR DOT                                      1991                                      12 minutes                                      Video ID # 9

Shows the procedure for replacing a timber pile cap beneath a concrete surfaced bridge while the bridge remains open to traffic. Replacement of the cap is aided by the use of rollers mounted on brackets that clamp to the cap's supporting plate.

***Prefabricated Timber Bridge Deck Panels***

USDA Forest Service                                      10 minutes                                      Video ID # 208

This video illustrates a relatively low cost method for fabrication of timber decks over steel girders using methods developed by county engineer John Smolen.

***Pre-Stress Concrete Bridge Inspection***

PennDOT                                      1987                                      56 minutes                                      Video ID # 10

Various techniques of bridge inspection for a two-person team. The team checks tools and equipment and organizes a field trip to assigned bridges. The program shows a run-through of a bridge inspection and examples of various bridges prestressed concrete beams.

***Scour: The Bridge Engineer's Dilemma***

PennDOT                                      1988                                      20 minutes                                      Video ID # 11

Designed to alert bridge inspectors to the problem of scour and its potential for bridge damage. Explains the best remedies for correcting a scour problem.



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***Steel Truss Bridge Inspection, Intro to Bridge Inspection***

FHWA / Oregon DOT      1978      75 minutes      Video ID # 12  
Step by step explanation of the procedure for inspecting bridges. Discusses the different types of equipment used and reporting form for documenting the inspection process.

***Stowell Road Bridge Reconstruction***

Town of Merrimack, NH      1990      21 minutes      Video ID # 214  
Details the use of pre-fabrication to restore the Stowell Road Covered Bridge.

***Timber Bridge #2***

PennDOT      1992      28 minutes      Video ID # 14  
Shows how modern timber bridges can be installed by local construction firms or municipal employees at lower cost and in less time than traditional bridge construction.

***Timber Bridge Inspection in Oregon***

FHWA / US DOT      1985      50 minutes      Video ID # 15  
The video shows how to inspect a timber bridge. Since many of the bridges are made of concrete rather than timber, there is a lack of expertise in inspecting the timber bridges and in evaluating the results. The additional references (manuals) are also suggested.

***Timber Bridges: Build Better & Save with Modern Timber Bridges***

FHWA      1988      22 minutes      Video ID # 13  
Presents the concept of modern timber bridge construction as an alternative to metal structures. It describes how modern timber bridges differ from the wooden bridges of the past and discusses issues ranging from erection methods to durability.