


TO: SUPERSEDED BY EB 99-025 EFFECTIVE 3/17/99	<h2 style="text-align: center;">ENGINEERING INSTRUCTION</h2> <p style="text-align: center;">NEW YORK STATE DEPARTMENT OF TRANSPORTATION</p> <p>SUBJECT: TECHNICAL POLICY AND PROCEDURE MANUAL BRIDGE HYDRAULIC VULNERABILITY ASSESSMENT PROCEDURE</p> <p>Subject Code: 7.35-8</p>
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APPROVED:  <p style="text-align: center;">12/5/91</p> <p style="text-align: center;">A. M. Shirole, Deputy Chief Engineer (Structures)</p>	Date: 12/06/91 Supersedes:

The Structures Division's Bridge Safety Assurance Unit has developed a vulnerability assessment procedure for determining the relative risk of hydraulic induced failure at bridge sites. This Engineering Instruction implements that procedure as Department policy. Details are contained in the BSA Hydraulic Vulnerability Manual which is being promulgated separately.

This procedure shall be used by the Regional Bridge Safety Assurance personnel to assess hydraulic vulnerability of all state-owned bridges. This supersedes all previous instructions on hydraulic vulnerability assessment including, the February 6, 1991 memorandum, "Guidance for Implementation of the Bridge Flood Warning Action Plan" (Shirolé and Berry to Regional Directors), and the March 4, 1991 memorandum, "Hydraulic Vulnerability Assessment - Vulnerability Ranking" (G.A. Christian to Regional Bridge Management Engineers).

Section 4 of the Manual "Rating" contains procedures and definitions that need to be approved by Department Management before they can be finalized. Nevertheless, the procedures contained in Section 4 may be used as it is anticipated that the final approved procedures will make use of the same criteria. The approved rating procedures will be issued separately when they are completed.

Section 5 of the Manual, dealing with culverts, is incomplete. This section will be issued separately when it is completed.

Questions regarding this procedure shall be directed to the Structures Division Bridge Safety Assurance Unit.

Final Plan Review Bureau
 Recd: DEC 12 1991
 ADMIN _____
 REVIEW _____