

 Office of Structures <i>Guidelines and Procedures</i> <i>Memorandum</i>	DESIGN
	Number: D-85-33(4)
	Date: 03-16-2018
Design of Structures Using Fracture Critical Members	Approval: 

The use of fracture critical members is to be avoided wherever possible. In no case shall fracture critical members be used unless the economics and absolute necessity of their use can be justified to the Director who will approve their use at the Pre-T.S. & L. stage for further development.

If a structure including fracture critical members is proposed at the Pre-T.S. & L. stage, a structure configuration, where feasible, eliminating the need for such members must also be included as one of the Pre-T.S. & L. alternates, with dollar comparisons.

If an existing structure has fracture critical elements, and major rehabilitation is contemplated, then the elimination of the fracture critical members by redesign shall be evaluated. Every effort shall be made, if structure is to be widened, etc., to minimize the need to create more fracture critical members.

When fracture critical members are used they will be clearly identified on the General Notes.