



**ATTACHMENT 1**  
**INDEX TO SEISMIC RELATED MEMOS**

## 20-1 SEISMIC DESIGN METHODOLOGY

There are several Memos and Manuals that contain seismic related material. The following list is provided to assist the engineer in locating all seismic information and design data.

### Memo to Designers

Memo Number   Description

5-1	Abutments
5-2	Diaphragm Abutments
6-1	Column Analysis Considerations
6-5	Pier Walls
9-3	Widening Existing Bridges
20-2	Seismic Criteria for Stage Construction
20-3	Restrainers at Hinges and Bearings
20-4	Earthquake Retrofit Guidelines for Bridges
20-5	Seismic Design Load
20-6	Design Criteria for Seismic Strength of Superstructures
20-7	Use of Ductility Procedure and Tools in the Seismic Retrofit of Bridges
20-9	Splices in Bar Reinforcing Steel
20-11	Establishing Bridge Seismic Design Criteria

### Caltrans Seismic Design Criteria (SDC)

The SDC can be viewed and downloaded from the following internet address.

*[//tresp.dot.ca.gov/earthquake/engineering/oe.html](http://tresp.dot.ca.gov/earthquake/engineering/oe.html)*

### Procedures in Seismic Analysis and Design of Bridge Structures

### Bridge Design Aids

Chapter   Description

14	Dynamic Model Assumptions and Adjustments & Equivalent Static Analysis of Restrainers
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## Bridge Specifications

<u>Section</u>	<u>Description</u>
1	General Provisions
3	Loads
4	Foundations
7	Substructures
8	Reinforced Concrete