



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
DESIGN DIVISION**
NASHVILLE, TENNESSEE 37243-0348

INSTRUCTIONAL BULLETIN No. 06-27

Regarding Determining and Proposing Retaining Wall

Effective immediately, for all design projects that contain retaining walls or that could potentially contain retaining walls, the responsibilities of the Design Division in relation to proposing a retaining wall design shall be as follows:

1. During the development of many roadway design projects, proposing a retaining wall is necessary due to right-of-way limitations, environmental impacts, drainage issues, or the need to reduce damage to adjacent properties. In most cases, a cost evaluation may be needed to justify a retaining wall. For those cases, the Designer should prepare a conceptual drawing in accordance with the Earth Retaining Structures Manual, Chapter 1, Section 3.0 - Conceptual Drawing Preparation. Right-of-way needs, including construction requirements, are to be clearly defined and shaded on the conceptual drawing and the roadway plans. Submit the conceptual drawing and plans to the Structures Division and Right-of-Way Division for cost estimates evaluating the economics of the proposed retaining wall.

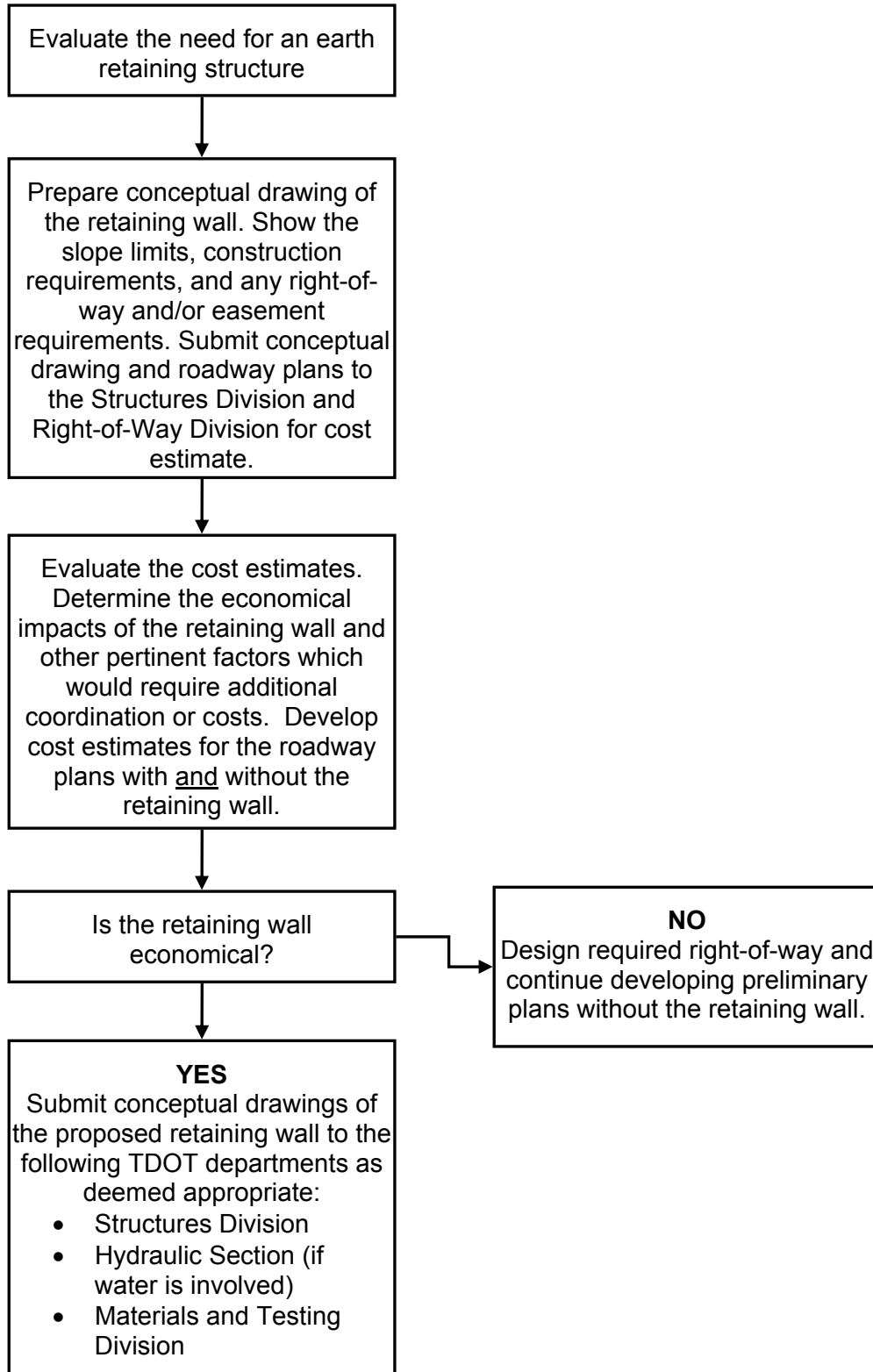
After receiving the estimates, the Design Manager and the Designer determine if the retaining wall will be cost effective. If the retaining wall is cost effective or is required for other reasons or compelling factors such as environmental considerations, continue to prepare roadway plans with the retaining wall and complete step 2, below. When environmental factors are involved it may also be necessary to coordinate with the Environmental Division.

2. Submit the roadway plans and the conceptual drawing to the Structures Division, Hydraulic Section (if water is involved), and the Materials and Tests Division as appropriate. The submittal package should include the standard Letter of Transmittal provided in Appendix C of the Earth Retaining Structures Manual.

The attached flow chart depicts the Design Division's responsibilities with regard to determining and proposing a retaining wall.

Original signed by Jeff C. Jones
Jeff C. Jones, Civil Engineering Director
Design Division

December 15, 2006
Attachment



Flow Chart for Determining and Proposing a Retaining Wall