

## Comments Received From Industry Review

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### Barry Transleau

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#### Comments:

1. The address shown for State Contracting and Engineering Corp. on Sheet 6 of 7 in the proposed Index 5205 is incorrect. The correct address is 3800 North 29th Avenue, Hollywood, FL 33020.

***FDOT Response:*** *This revisions will be included in the next Design Standards Modification Letter (July 1, 2006).*

2. Note B on Index 5200, Sheet 1 of 1, states that the sound barriers are pre-designed for sites where the soil SPT N values are between 10 and 40. This is a repeat of the existing Index 1500 language that most designers have interpreted as meaning the average N value throughout the anticipated pile length, i.e., a single N value outside the range does not preclude the boring. We recommend changing the end of Note B to read "Sites with soil SPT N values averaging between 10 and 40"

***FDOT Response:*** *No change is warranted for Note B on Index No. 5200. Although the design depicted in this standard may be applicable when thin layers of soil have N values less than 10, where the average N values along the length of the pile sufficiently exceed 10, this applicability is highly dependent on the soil profile and location of the weaker soil layers. The EOR signing and sealing the plans must determine if any project-specific soil conditions outside these limits will result in larger flexural forces or deflections of the pile/post foundation. A simple averaging technique will not always be appropriate, especially for soil profiles with weaker soil layers in the upper zones of embedment.*

3. The current Index 1500, Drawing 1 of 1, contains a cross-section titled "Assumed Wind Load Pressures". This section shows a maximum depth to natural ground of 5'. The proposed Index 5200 needs to include this information in drawing (preferred) or note form. Otherwise, designers may place a 10' wall from the Index on a 10' berm and consider it a 20' sound barrier.

**FDOT Response:** *The information from Structures Standard No. 1500 is now provided to designers in the Structures Manual (Volume 3) - Instructions for Design Standards for "Precast Sound Barriers".*

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**Bob Dion**

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Comments:

534-1; The reference to the previous Structure Design Standard Indexes included the pile and post indexes. Should pile and post be mentioned? If so suggest changing the first line to "Furnish and install sound barriers with pile, posts and panels constructed in accordance Design Standard Index Nos. 5200 thru 5206 or....."

**FDOT Response:** *First sentence of the specification will be changed as follows:  
"Furnish and install sound barriers with pile, posts and panels constructed in accordance Design Standard Index Nos. 5200 thru 5206 or with pre-approved..."*

534-4; first paragraph; delete the reference to the standard indexes, they do not list proprietary names. See index 5200 note N. These are to be shown on the Wall Control Drawings.

**FDOT Response:** *Specification to be revised as follows:  
"Use only approved proprietary panels or systems shown in Design Standards Index Nos. 5200 thru 5204 that have been..."*

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