

534 SOUND BARRIERS.
(REV 6-12-08) (FA 8-12-08) (1-09)

ARTICLE 534-1 (Page 605) is deleted and the following substituted:

534-1 Description.

Furnish and install sound barriers with pile, posts and panels constructed in accordance with Design Standards Index Nos. 5200 thru 5204 or with pre-approved alternatives listed on the Department's Qualified Products List (QPL), unless the plans otherwise indicate limitations based on specific design or aesthetic criteria unique to the project.

Obtain Precast Concrete Sound Barrier Components from a manufacturing plant that is currently on the list of Producers with Accepted Quality Control Programs. Producers seeking inclusion on the list shall meet the requirements of 105-3.

ARTICLE 534-4 (Page 605) is deleted and the following substituted:

534-4 Approved Proprietary Sound Barrier Panels and Systems.

Use only approved proprietary panels or systems shown in Design Standard Index Nos. 5200 thru 5204 that have been pre-determined by the Engineer to be in compliance with the project design and aesthetic criteria and are listed on the QPL.

Manufacturers seeking evaluation of products for inclusion on the QPL must submit an application in accordance with Section 6, independently certified test reports, and written certification that the product meets the requirements of this Section, Design Standard Index Nos. 5200 thru 5204 and the Sound Barrier Evaluation Criteria contained in the State Structures Design Office's Structures Manual, which may be viewed at the following URL:
www.dot.state.fl.us/structures/StructuresManual/CurrentRelease/QualifiedProductsList/QPLChapter2SoundBarriers.htm

ARTICLE 534-9 (Page 607) is deleted and the following substituted:

534-9 Repairs or Rejection.

For precast concrete sound barrier components that have not been installed, evaluate cracks, spalls and other deficiencies in accordance with 450-12. Repair deficiencies in accordance with 450-13 or the plant's approved repair methods that are included as part of the QCP. Ensure that the original performance and durability of repaired sound barrier components are maintained. Use materials for concrete repair that will meet or exceed the strength requirement for the class of concrete used. Materials meeting the requirements of Section 930 may be substituted for non-shrink grout when required by 450-13. Precast concrete sound barrier components are subject to rejection if they fail to conform to any of the requirements after repair. For precast concrete sound barrier components that have been installed, the disposition of concrete cracks shall be in accordance with 400-21.

534-10 Method of Measurement.

The quantity to be paid for will be the plan quantity, in square feet, measured in place, completed and accepted, of the area bounded by the top of the top panel and the bottom of the bottom panel without deductions for openings in the panels, and the beginning to end limits shown in the control drawings. The pay area for anti-graffiti coating will be the plan quantity, in square feet, measured in place, completed and accepted, of the wall without allowances for striations or openings.

ARTICLE 534-10 (Page 608) is deleted and the following substituted:

534-11 Basis of Payment.

Price and payment will be full compensation for all work specified in this Section, including but not limited to: furnishing all materials, labor, panels, special panels, posts, collars, reinforcing steel, foundations, drain holes, fire hose access holes, grating, neoprene pads, equipment, alignment pins, etc. necessary to construct the sound barriers. Include in this price, the cost of any charges for power stoppages, sound barrier wall realignments, special erection methods, etc. required to construct the wall.

Payment will be made under:

Item No. 534- 72- Sound Barrier - per square foot.