

SECTION 00596C - CAST-IN-PLACE CONCRETE RETAINING WALLS

(Follow all instructions and make all edits with "Track Changes" turned on. If there are no instructions [purple text] above a subsection, paragraph, sentence, or bullet, then include it in the project. Delete all purple text before preparing the final document. All other modifications to this Section will require ODOT Technical Resource and State Specifications Engineer approval.)

Comply with Section 00596C of the Standard Specifications modified as follows:

00596C.02 Cost Reduction Proposals - Replace this subsection, except for the subsection number and title, with the following:

According to 00140.70, cost reduction proposals are considered for Proprietary Retaining Wall Systems that are preapproved by the Agency before Advertisement of the Project.

00596C.03 Definitions - Replace the paragraph that begins "**Semi-Gravity Cantilever Retaining Wall System** ..." with the following paragraph:

Semi-Gravity Cantilever Retaining Wall System - A retaining wall composed of a cast-in-place reinforced concrete flexural stem and base slabs that resist the moments and shears that they are subjected to and depends on concrete self-weight and from the weight of backfill over its heel for stability.

00596C.11(a)(1) Material Passing No. 200 Sieve - Replace this subsection, except for the subsection number and title, with the following:

Ensure the amount of material passing the No. 200 sieve does not exceed 15 percent by weight. Test according to AASHTO T 11.

00596C.11(a)(2) Plasticity Index - Replace this subsection, except for the subsection number and title, with the following:

Ensure the plasticity index of the material passing the No. 40 sieve does not exceed 6. Test according to AASHTO T 90.

00596C.41 Excavation and Foundation Preparation - Replace the bullet that begins "Do not construct backfill ..." with the following bullet:

- Do not construct backfill when the backfill, the foundation, or the embankment that it would be placed on is frozen, or unstable.

00596C.42(e)(1) Test Pad Method - Replace this subsection, except for the subsection number and title, with the following:

Before placing the wall backfill, determine the number of Passes necessary to achieve the specified density by constructing a test pad that is at least 5 feet wide, 15 feet long, and 3 feet in final depth. Construct test pad fill in layers no more than 8 inches thick using the same Equipment and methods that are used to compact the wall backfill. Perform at least one density test according to AASHTO T 310 on each test pad layer. Construct and test a new test pad when changes in material occur or different Equipment is used during the construction of the wall backfill.

00596C.80 Measurement - Add the following to the end of this subsection:

The estimated quantities of retaining walls are:

(Provide wall area below. Copy as necessary.)

Station Limits	Area
Sta. _____ to Sta. _____ (Lt.)(Rt.)	_____ (Wall area here) _____ sq. ft.

(Use the following paragraph to list estimated quantities. Ensure that the Wall (Bridge) Designer addresses quantities for concrete, reinforcement, excavation, shoring (if needed), and backfill. Copy and paste more lines to address the estimated quantities for retaining wall systems.)

The estimated quantities, for estimating purposes only, of concrete, steel reinforcement, excavation, shoring, and specified backfill for retaining wall systems are:

Structure Number	Material	Estimated Quantities
# _____	_____	_____ cu. yd.
# _____	_____	_____ foot
# _____	_____	_____ lb.

00596C.90 Payment - Replace the paragraph that begins "In item (c) ..." with the following paragraph:

In item (c), the height of barrier is inserted in the blank.

Replace the paragraph that begins "Payment will be payment ..." with the following paragraph:

Payment will be payment in full for furnishing and placing all Materials, and for providing all Equipment, labor, and Incidentals necessary to complete the Work as specified.