*SPP00596C (01-01-21)* *(This Section requires SPP00530.*

*This Section requires SPP00440*

*when rigid gravity retaining walls*

*are required. Requires SPP00540*

*when semi-gravity cantilever*

*retaining walls are required.)*

***(Follow all instructions.  If there are no instructions above a subsection, paragraph, sentence or bullet, then include them in the project but make necessary modifications to only include project specific specifications. Delete specifications that do not apply to the project. Remove all instructions before preparing the final document.)***

### Section 00596C – Cast-in-Place Concrete Retaining Walls

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

**00596C.42(b) Maximum Density and Optimum Moisture Content** - Replace this subsection, except for the subsection number and title, with the following:

Determine maximum density and optimum moisture content of the retaining wall granular backfill material according to AASHTO T 99 Standard Proctor Method A, with coarse particle correction according to ODOT TM 223.

**00596C.42(c) Moisture Content** - Replace this subsection, except for the subsection number and title, with the following:

Prepare the retaining wall granular backfill material to within minus 4 percent to plus 2 percent of optimum moisture content at the time of compacting. Add water to material that does not contain sufficient moisture and thoroughly mix. Remove excess moisture by manipulation, aeration, drainage, or other means before compacting.

**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.)

**Structure Number \_\_\_\_\_\_\_\_\_\_\_\_ :**

**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 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.