

5300201 REVETMENT SYSTEMS  
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (Industry 7-13-20)

Under Method of Measurement, if we specify a minimum dimension, how can we deny a Contractor payment if they place slightly more and it is approved in the field? An example, if sand-cement footer width of 24" minimum is required, but our APL sand-cement bag comes in widths of 14", why wouldn't we pay the additional 4"? (2 bags beside each other is 28")

Recommend removing the 'minimum dimension' language within the Method of Measurement section and paying from the final measurement.

Response:

Any bag that is wider than needed, especially a Quikrete bag, will cause the contractor to "place slightly more and it is approved in the field" and "how can we deny a Contractor payment"? In your example, Quikrete would have to supply two bags at 17" wide, for a total of 34", to meet a 24" plan width. Compared to Sakrete, that's a cost increase of  $[(0.98-0.79) / 0.79 * 100]$  of 24%. That's because the inspector will approve the same number of bags placed, then multiply by volume per bag. Quikrete will need two bags x 17' to get 34" and satisfy 24" plan requirement, and Sakrete will also need two bags x 13 = 26" (both yielding extra volume) As you said, these are small quantities we're dealing with, AND, maybe it's not unfair if the contractor is the low bidder anyway, right? Again, I'll ask Scott if he's OK with Per bag now that I see what they did. Are you OK with it too?

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Comments: (Industry via email 7-21-20)

It may be best to keep it at CY payment due to the different sizes of sand-cement bags. If payment is switched to 'per bag', the Designer will have to specify the number of bags and since Quikrete and Sakrete have different size bags, there is no way to do this without specifying a specific product brand. The APL information for the sand-cement bags isn't posted. I'm not sure how many types of bags are approved. Does Quikrete and Sakrete make the same size bags? You state they do not. Also, consider that if we begin to pay 'per bag', new pay items are needed from Missy Hollis. A new pay item is needed for each bag size that is approved.

Response: Pay Item will remain "per cubic yard". Missy Hollis has indicated she will create a new pay item for this Specification version. Volume will be calculated from Department plan sheets, for example, Bridge end-bent walls. Otherwise, Standard Index sheets will specify Volume for drainage uses. See link for endwalls for example where volumes are listed in far-right column of "Dimension Table" on page 2 of 3:

[https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/design/standardplans/2021/idx/430-012.pdf?sfvrsn=10bfc77e\\_4](https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/design/standardplans/2021/idx/430-012.pdf?sfvrsn=10bfc77e_4)

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Comments: (Industry via email 7-27-20)

The modified specification for Prepackaged Sand-Cement Bags is missing the APL product acceptance criteria and the instruction for manufacturers on how to apply for the APL. These two details need to be added to the specification. Example of instruction to manufacturers for application: Prepackaged Sand-Cement Bags shall be one of the products listed on the Department's Approved Product List (APL). Manufacturers seeking evaluation of their product shall submit an application in accordance with Section 6. Include with the submittal a product data sheet, safety data sheet (SDS), product label, and a self-certified statement the product meets the requirements of this Section.

Response: The APL product acceptance criteria and the instructions for manufacturers on how to apply for the APL have been added to Subarticle 530-2.1.2.