

2340900 SUPERPAVE ASPHALT BASE
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

FDOT, D5 Construction

Comments: (12-16-14)

234-9 Method of Measurement: Where:...234-8.1 and dividing by 2,000 lb./ton, except that the pay item's tonnage-weighted Gmm of the mixes used on the project for that pay item is used instead of the design Gmm as defined in 234-8.1 It refers you to another section of the same specification two times and has an exception. What is a tonnage weighted Gmm of the mixes used on the project and where is the language to calculate it?

Response: The term will be changed to include the word "average", thus meaning it the tonnage-weighted average Gmm (of the mixes for a pay item).

A formula was not included as it similar to an average. We will place example calculations in the CPAM to assist those unfamiliar with weighted average calculations.

Tonnage-weighted average Gmm =

$$\frac{(\text{Gmm Mix 1} * \text{Tons Mix 1}) + (\text{Gmm Mix 2} * \text{Tons Mix 2}) + (\text{Gmm Mix 3} * \text{Tons Mix 3})}{(\text{Tons Mix 1} + \text{Tons Mix 2} + \text{Tons Mix 3})}$$

Note: The formula above shows 3 mix designs, however the formula can be modified to include as many mixes as were used on the project.

Jose Kandarappallil (via Deborah Ihsan)
FDOT, D4

Comments: (12-17-14)

Recommend changing the last sentence in the section "Where:" to state: "except that use the pay item's tonnage-weighted Gmm of the mixes used on the project for that pay item instead of the design..."

Response: The language will be modified as indicated in the response to the comment below.

Katie Kehres (via Deborah Ihsan)
FDOT, D4

Comments: (12-17-14)

The second paragraph needs work. "The adjusted plan quantity tonnage is calculated by multiplying the plan quantity square yards (including any Engineer approved quantity revisions (needs a closed parenthesis) times the spread rate as defined in 234-8.1 and dividing by 2,000 lb./ton, except that the pay item's tonnage-weighted Gmm of the mixes used on the project for that pay item is used instead of the design Gmm as defined in 234-8.1." Too many "pay items" and "used" utilized. Please re-word.

Response: The language has been modified slightly in response to your comment, however, some language must remain as we want to be clear that, in each term, the Spec is referring to an individual pay item and not the summation of all of the project's pay items.
