



## *Florida Department of Transportation*

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### **ESTIMATES BULLETIN 11-03**

DATE: February 18, 2011

TO: District Estimates Coordinators, District Design Engineers

FROM: Phillip Greg Davis, State Estimates Engineer

A handwritten signature in black ink that reads "Phillip G. Davis".

COPIES TO: David Sadler, Duane Brautigam, David O'Hagan, Tim Lattner, Chester Henson

SUBJECT: Pavement Markings- Directional Arrows

**ISSUE BACKGROUND:** Prior to 2006, payment for directional arrows was separated into single, bi-directional, and tri-directional arrows. When the current pay item structure was implemented, the pay item was labeled "arrows" per each, without further distinction. We have found that some projects quantify the number of directions, while others consider only the number of arrow locations.

While the contractor will bid according to the method shown in the plans, we would like to have one consistent method of measurement for each arrow. The number of locations best reflects the work required to set-up and place the complete marking.

**CLARIFICATION:** This is a clarification of intent; projects which include pavement markings- directional arrows, should be updated as needed.

**Update Pay Items:** No changes have been made to the pay item numbers.

**Update Plans and Pay Item Notes:** Update the pavement marking tabulation sheet quantities and the Proposal Summary of Quantities (Transport report) in the plans. The tabulation sheet may indicate the number of single, bi-directional, and tri-directional arrows, but the pay quantity will be each complete marking, not the number of "points" or directions.

**Specifications:** No specification changes are required.

**CADD/Quantity Manager:** The CADD Office will distribute an update to the Design Database (DDB) this week.

If you have any questions regarding the above items, please contact Melissa Hollis at 850-414-4182.