

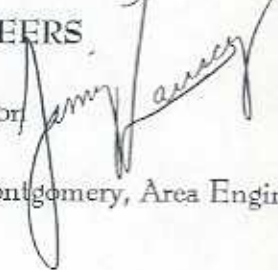


March 12, 1998

THIS MEMO HAS EXPIRED

MEMORANDUM 017

TO: DISTRICT CONSTRUCTION ENGINEERS

FROM: J. B. Lairscey, Director, Office of Construction 

COPIES: Tom Aldridge, Charles Goodman, Archie Montgomery, Area Engineers

SUBJECT: DUMP TRUCK MEASUREMENTS

I have been recently asked to evaluate a suggestion made by Technician Matthew Weslow from our Ocala Resident Engineer's office. Mat suggested that our current meticulous method of measuring the struck volume of a dump truck including detailed measurements of the bed fillets and hoist box was just too complex. Mat suggested just measuring the width, height and length inside the truck bed and calculating the volume by multiplying those 3 dimensions and subtracting 2% of the result to account for the hoist box and bed fillets. Evaluation by my office shows that this process is quick, simple and accurate.

In 190 sets of truck measurements drawn at random from projects in Districts 1,2,3,4,5 and 7, the average difference in the volumes calculated by the two methods was 15 /1,000ths of 1%. Of course, as we have always done in the past, if the height, the length or the width of the truck bed changes from front to back or top to bottom we will still have to measure at both places and use an average height length or width for that dimension.

Accordingly I am directing that this process for measuring dump truck volumes be adopted by the Department's construction personnel statewide effective May 1, 1998. By a copy of this memo, I am also directing that State Final Estimates Engineer's Office amend their manuals procedures to reflect this change.

JBL/rb