

**Calculation of Time Extension(s) When Pro Rata is Not Realistic of the Time Required to Perform Work**

Item of Work \_\_\_\_\_

- A) Final estimate quantity for item of work \_\_\_\_\_
- B) Number of days Contractor worked on item when it was a current controlling operation \_\_\_\_\_
- C) Average rate of production for item of work (A/B) \_\_\_\_\_
- D) Number of work days overrun quantity was a controlling operation (Overrun quantity for item of work/C) \_\_\_\_\_
- E) Theoretical calendar days overrun was a controlling operation (D x 30/16) \_\_\_\_\_
- F) Pro rata time extension allowed due to overrun of item of work (Original contract calendar days)(Overrun quantity for item of work)/(Unit price)/(Original contract amount) \_\_\_\_\_
- G) Additional contract time allowed due to the overrun of item of work (E - F) \_\_\_\_\_

*(See Instruction for Form 108-10(B)4 on the following page)*

#### Instructions for Form 108-10(B)4

- A. Determine the final estimate quantity for the item of work.
- B. The project diaries will be reviewed and a determination made of the number of days that the Contractor worked on the item when the item involved constituted a current controlling operation. The results of this review will give the total number of days during the life of the project that the item involved was a current controlling operation.
- C. Divide the total number of days Item (B) above into the final estimate quantity Item (A) of the item. This will give an average rate of work performed on the item per day that the item was a controlling operation.
- D. Divide the overrun quantity of the item by the average rate of work performed per day Item (C) . The answer will be the number of days that the overrun portion was a current controlling operation.
- E. Convert the number of worked days (Item D) to calendar days by using the ratio of 16 work days equals 30 calendar days.
- F. Determine the pro rata time extension allowed for the overrun of the item by multiplying the original number of calendar days by the overrun quantity by the unit price divided by the original contract amount.
- G. Determine the additional time extension allowed for the overrun by subtracting the pro rata time extension (Item F) from the theoretical number of calendar days the overrun portion of the item was the controlling operation.