**Item**

**No. Item Instructions**

1. Contract No. Enter the ISTHA contract number.

2. Date Enter the date of the deck pour.

3. Contractor Enter the name of the general contractor.

4. Structure Enter the number or location of the structure(s) the concrete is being applied to.

5. Truck Number Enter the identification of the truck being calibrated.

6. Serial No. & Capacity Enter the serial number and capacity of the truck being calibrated.

7. Truck RPM Enter the revolutions per minute of the truck being calibrated.

8. Calibrated By Enter the name and company of the individual observing

the calibration.

9. Plate Count Enter the cement feeder count for one bag (94 lb.) according to the manufacturer.

10. Container Wt Enter the tare weight of the container you are using.

11. Lbs. Enter the pounds of cement dropped into the container.

12. Count Enter the cement meter count for the cement drop.

13. Sec. Enter the number of seconds for the cement drop.

14. A Enter the total weight (add pounds for all drops).

15. B Enter the total cement count (add counts for all drops).

16. C Enter the total seconds (add seconds for all drops).

**Item**

**No. Item Instructions**

17. Total Counts Enter the total count obtained in number 15 above.

18. Total Weight Enter the total weight obtained in number 14 above.

19. Factor to 4 Decimals Divide Total Counts (No. 17) by Total Weight (No.18) with the result carried to 4 decimals.

20. Factor Re-enter the Factor obtained (No. 19) here.

21. New Cement Meter Count Multiply the Factor (No. 20) by 94 and enter the result here.

22. New Cement Meter Count Carry the results from item No. 21 above to this line carried out to 1 decimal point.

23. Total Seconds Enter the total seconds obtained in item No. 16 here.

24. Total Weight Enter the Total Weight (no. 14) here.

25. Factor to 4 Decimals Divide Total Seconds by Total Weight here with the results carried out to 4 decimals.

26. Factor Re-enter the Factor obtained in item No. 25 here.

27. New Time Multiply the Factor (No. 26) by 94 and enter the results here.

28. New Time Re-enter the New Time (No. 27) value here to 1 decimal.

29. Sec. For Calibration Enter the number of seconds for ½ bag of cement.

30. Container Weight Enter the tare weight of the container.

31. Moisture Content Enter the moisture content of the aggregate.

32. Count Run sand into the container and record the cement meter

count. For ease of handling, it is best to use ½ the cement meter count.

**Item**

**No. Item Instructions**

33. Dial Setting Record the dial setting.

34. Lbs. Of Sand Record the pounds of sand for the above count and dial

setting.

35. New Setting Record the new dial setting for the required pounds of aggregate for one bag of cement.

36. Required Lbs. Record the required pounds of aggregate for one bag

(94 lb.) of cement after moisture adjustment.

37. Sec for Calibration Record the time used for calibration of admixture, latex, or

water.

38. Setting Record the setting used.

39. Oz. Record the ounces (or ounces per second) for the calibration run. .

40. New Setting Enter the new setting required.

41. Required Oz. Enter the required ounces (or ounces per second) required.

Instructions for Latex Admixture and Water are similar.

Refer to ACI 304.6R “Guide for the use of Volumetric-Measuring and Continuous-Mixing Concrete Equipment”.