

STATEWIDE CRITICAL REQUIREMENTS - FISCAL YEAR 2009/2010

Quality Assessment Category Number 8B Concrete Materials

1. Does the CEI staff confirm that the following requirements are adhered to for structural concrete: if slump is between target and tolerance, load can be placed but slump must be adjusted for successive trucks which must be within target and the first adjusted truck must be tested to verify effectiveness of the adjustment? If slump is outside tolerance, load should be rejected. While plastic properties tests are in progress, is concrete placement stopped until test results are known? Is there documentation to substantiate that these requirements were met and does a field visit verify this? [Spec. 346-7 & 346-8]
2. Does the CEI staff confirm that initial and acceptance concrete samples are taken from the discharge end of the entire conveyor belt, trough, pump, or chute system or that the samples are taken from the back of the truck after an adjustment is made that is based on formal correlation analysis approved by the District Materials Engineer? Is there documentation to substantiate that these requirements were met and does a field visit verify this? [Spec. 346-7]
3. Does the CEI staff confirm that the mass concrete Specialty Engineer is in charge of the mass concrete installation and monitoring process and is on the jobsite for installation and monitoring of the first placement? Is temperature monitoring continued until the maximum core temperature (must not exceed 180°) peaks and begins to diminish? Is there documentation to substantiate that these requirements were met and does a field visit verify this? [Spec. 346-3]