

STATEWIDE CRITICAL REQUIREMENTS - FISCAL YEAR 2014/2015

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 outside tolerance, the load shall be rejected; concrete placement may proceed for the QC truck and the next truck while concrete properties tests are being performed and concrete is in its final position within 15 minutes of truck discharge? 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? Are provisions to capture concrete lumps and balls in place for high slump mixes? Is there documentation to substantiate that these requirements were met and does a field visit verify this? [Spec. 346-6, 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 and are temperature control mechanisms left in place until the core temperature is within 50° of ambient? Is there documentation to substantiate that these requirements were met and does a field visit verify this? [Spec. 346-3]