

State Highway and Transportation Department
Concrete Plant Inspector's CheckList

1. Aggregates
 - a. Stockpile foundation condition
 - b. Aggregate stockpiled properly
 - c. Handling of aggregates

2. Cement and Fly Ash
 - a. Has material been properly sampled?
 - b. Are storage facilities adequate?
 - c. Have proper certificates been received?

3. Batching Equipment
 - a. Bins and loading hopper checked for conditions and compliance with specifications
 - b. All scales checked and calibrated
 - c. Sensitivity of scales checked
 - d. Water meter checked for accuracy
 - e. Transit mix truck condition
 - f. Revolution counter operation

4. Mix Proportions
 - a. Approved mix design received
 - b. Size and batch determined
 - c. Mix design proportions adjusted for desired air content

5. Batch Quantities
 - a. Dry weights per batch established for:
 - Sacks or pounds of cement and fly ash
 - Pounds of fine aggregate
 - Pounds of coarse aggregate
 - b. Total water required per batch
 - c. Total yield (including air) per batch
 - d. Quantity of air entraining agent required per batch
 - e. Quantity of other additives required per batch

6. Moisture Content
 - a. Percent total moisture for each aggregate
 - b. Gallons of effective moisture per batch
 - c. Gallons of water to be added at mixer

7. Scale Weights per Batch
 - a. Cement same as dry weight
 - b. Fly ash weight
 - c. Aggregate (dry weight plus total moisture in pounds per each aggregate)

- d. Scales balanced and counterbalances securely fastened
 - e. Scale weights for each material set and checked
 - f. Admixture measurement devices adjusted to measure correct amount
 - g. Water meter adjusted
8. Batching and Hauling
- a. Batch trucks adequate for size of batch
 - b. No spillage or contamination while loading
 - c. Empty batch trucks clean and free of foreign material
 - d. Condition of agitating and non-agitating equipment for hauling Central Mix Concrete
 - e. Pre-wet mixer at beginning of operations
 - f. Set revolution counter to zero at beginning of operations
9. Routine Duties
- a. Systematic check of scale settings during the day
 - b. Regular daily checks on cement received and used
 - c. Constant testing and checking moisture content of aggregates
 - d. Daily report prepared and records kept up to date
 - e. Fill out haul tickets