

water added to the mixer at the batching plant. No additional water shall be added at any stage from batching to placing. When the Engineer is asked to authorise dry batching, he will require to be satisfied that appropriate steps will be taken to ensure the quality, consistency and strength of the concrete as placed and that the water will be added to the dry ingredients under properly controlled conditions.

- K. Truck mixer units and their mixing and discharge performance shall be to the satisfaction of the Engineer. Mixing shall continue for the number and rate of revolutions recommended in the manufacturer's instructions, in the absence of which mixing shall continue for not less than 100 revolutions at a rate of not less than 7 revolutions per minute.
- L. Pumping concrete through delivery pipes may be permitted but only with the prior approval of the Engineer.
- M. Re-mixing of concrete that has commenced to set shall not be allowed and in no case shall such concrete be used in the Works.

3.3 Part 3 Execution

3.3.1 Examination

- A. Verify site conditions under provisions of Section 01039.
- B. Verify requirements for concrete cover over reinforcement.
- C. Verify that anchors, seats, plates, reinforcement and other items to be cast into concrete are accurately placed, positioned securely, and will not cause hardship in placing concrete.

3.3.2 Preparation

- A. Prior to the commencement of concrete works, the Contractor shall provide the Engineer with fully detailed proposals of the method of placing, compacting, finishing and curing the concrete. The method statements, which shall be subject to the approval of the Engineer, shall cover all principle types of concrete elements, e.g. foundations, walls, columns, beams, slabs etc.
- B. As a minimum requirement, preparations for concreting shall follow the guidelines given in ACI 305R-91 Section 4.
- C. The concrete-mixing plant, mixers, pipelines, pumps chutes and transport equipment shall be shaded and/or painted white. Pump lines and other surfaces shall be kept cool by insulating them or by covering them with hessian kept damp by spraying with water.
- D. Surfaces on which concrete is to be placed shall be moist but free of standing