

3470000 PORTLAND CEMENT CONCRETE – CLASS NS
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Brian Price
863-519-4245
brian.price@dot.state.fl.us

Comments: (12-18-18)

1. 347-3.1 Concrete Production Requirements - This should not be removed, or should be added after (NRMCA). The smaller companies that are wanting to be Non-structural only would have to pay to be certified by NRMCA or have to be qualified as a 346 which would also cost due to personnel and testing needed.

347-3 Production, Mixing and Delivery.
347-3.1 Concrete Production Requirements: Provide concrete from a production facility ~~that is certified by the National Ready-Mixed Concrete Association (NRMCA), approved by the District Materials Research Office (DMRO), or that~~ meets the requirements of Section 346.
When Volumetric Mixers are used, deliver concrete in accordance with the ~~requirements~~ Volumetric Mixer Standards of ~~the~~ Volumetric Mixer Manufacturers Bureau (VMMB) VMMB 100-01. E ~~and ensure that the batcher is qualified through the vehicle has a VMMB Volumetric Mixer Operator Certification Program and the mixer has a VMMB~~ registered rating plate.
Substitution of structural concrete in lieu of non-structural concrete may be used if approved by the Engineer. If structural concrete is used in lieu of non-structural concrete.

Response: Though Materials Manual 9.2 Volume 1 provides an Inspection Guide for the Department, Materials Manual 9.2 Volume 2 provides the requirements for structural concrete production. For statewide consistency, the documented requirements for concrete production are NRMCA and MM 9.2 Vol 2.

No change made.

2. 347-4 Sampling and Testing - Since there is no longer a sampling and testing requirement for an approved FDOT design mix there should be sampling at least one per production day. Additionally, how does the contractor certify that the concrete meets the minimum compressive strength of 2500 psi if there is not a design mix or any testing performed?

Response: Currently there is no requirement for an approved non-structural mix design. 347-4 Sampling and Testing was struck and placed under Acceptance. Acceptance has always been based on Certification on the delivery ticket and the Engineer may test any material at their discretion. The contractor certifies to the 2500 psi based on information provided by the concrete producer.

No change made.

Donald Conner
813-759-1559
djc@highwaysafetydevices.com

Comments: (12-18-18)

With regards to the following proposed language in the specification "Certify that the concrete meets a minimum compressive strength of 2,500 psi at 28 days." who's responsibility is it to provide the certification? Is it the contractors or is the producers responsibility to provide the certification on the delivery ticket? The language isn't clear. If the intent is for it to be the contractors responsibility recall 347 concrete does not require field QC.

Response: Ultimately the contractor is responsible. The certification is part of the delivery ticket, signed by the batcher (producer) and the contractor. Field QC is not required but the contractor could choose to perform or require data from the producer.
No change made.
