

APPENDIX B03

STRUCTURAL CONCRETE PRODUCTION FACILITY QUALITY CONTROL PLAN REVIEW CHECKLIST

Instructions:

1. The checklist is used by Florida Department of Transportation (FDOT) reviewer of the Structural Concrete Production Facility (Plant) Quality Control (QC) Plan. The checklist may also be used as a guideline for creating a QC Plan to be submitted to FDOT.
2. The checklist items meet the requirements of FDOT Specifications Sections 105, 921, and 929; and Section 9.2 of the Materials Manual Volume II.
3. The information section above the checklist is designed to record general Plant information.

Company: _____ Tax ID: _____

Physical Address: _____ FDOT ID: _____

City: _____ State: _____ Zip Code: _____ County: _____

Decimal Latitude / Longitude Coordinates: _____ / _____

Mailing Address (if different from above): _____

City: _____ State: _____ Zip Code: _____ County: _____

Primary Contact: _____ Phone #: _____

Email Address: _____ Fax #: _____

QC Plan Date: _____

QCP Item	Y/N	QCP Pg.
Section 105 Specifications		
Producer's QC Plan Policies and Procedures:		
The Plant QC Plan includes the detailed policies, methods, and procedure to ensure the specified quality of Structural Concrete.		
Personnel:		
Qualification: The Training Identification Numbers (TINs) and applicable certifications are on file for the following Plant personnel are included in the Plant QC Plan; Manager of Quality Control, Batch Plant Operator, Design Mix Technicians, Certified Technicians.		
Raw Materials:		
Source: The sources of the Raw Materials, including the following concrete materials ingredients are identified; Fine Aggregate, Coarse Aggregates, Water and Ice, Cementitious Materials, Admixtures.		
1) When special requirements exist, a testing plan to assure compliance is described		
2) Sampling locations and procedures are identified		

QCP Item	Y/N	QCP Pg.
Certification: Describe method(s) verifying the compliance of certification with the Specifications.		
Disposition of Failing Materials:		
a. Describe action to be taken when test results of samples exceed Specification limits and method(s) for controlling non-conforming materials		
Storage Facilities for Raw Materials:		
a. Describe measures and methods, including bedding details, to prevent segregation, contamination and degradation of the materials.		
b. Describe measures to be taken when exchanging cementitious material type or class to ensure of no contamination or comingling of materials.		
c. Describe method of transportation, handling, and introduction into mixer.		
Production Equipment:		
Mixer:		
1) Describe the type of mixer(s).		
2) Attach the mixer configuration.		
3) Describe the methods for charging and mixing.		
4) Outline the mixer(s) maintenance schedule.		
5) Describe the calibration frequencies.		
6) Provide description of the Automated Slump Monitoring System including calibration procedure and training		
Plant Requirements:		
Process Control System:		
1) Aggregate Moisture -describe the method for wetting of coarse aggregate stockpile, storage bin or silo		
2) Fresh Concrete.		
a. Describe the batching sequence for high slump concrete.		
b. Describe the method for delivering fresh concrete to the placement site.		
c. Describe how the water to cementitious materials ratio and the plastic properties of concrete will be controlled to meet Specification requirements.		

QCP Item	Y/N	QCP Pg.
Testing Laboratories: Identify the laboratories performing the testing. Ensure that they meet the requirements of the Laboratory Qualification Program of Specifications 105-7.		
Department Inspection Access: Include a statement in the PQCP allowing the Department inspectors access to the Plant to perform the inspections of the production process and products that are produced for the Department projects.		
Section 9.2 Materials Manual Volume II		
Statement of Compliance: Include a statement that the Plant meets the requirements of the Contract Documents and Materials Manual, including the following Subsections.		
Concrete Plant Roles and Responsibilities: The Plant meets the Roles and Responsibility requirements of this Subsection.		
Mix Design Submittal: The Plant meets the Mix Design Submittal requirements of this Subsection.		
Quality Control Program: The Plant meets the Quality Control Program requirements of this Subsection.		
Personnel: The Plant Personnel comply with the roles and responsibility requirements of this Subsection.		
Records: The Plant maintains the QC records on file and make them available upon Department's request.		
Sampling and Testing of Materials: The Plant meets the materials sampling and testing requirement of this this Subsection, including once a year chloride testing of samples that will be split between Plant and District Materials Office.		

Revised: June 15, 2019