

Inspector Quantlist Report 20170913

Diary Number: \_\_\_\_\_

Inspector Name: \_\_\_\_\_

TRACS Number: \_\_\_\_\_

Date: \_\_\_\_\_

**Division IV: Surface Treatments and Pavements**

**Title: PCCP (Fixed Form Placement and Curing)**

Lot Number
Direction
Thickness
Pour Number
Station
Location

Attribute Numbers	Compliance	Narratives	References
0.		All stakeholders have participated in the pre-activity meeting (can be combined with other pre-activity).	Construction Manual 108.04
1.		Survey offset points are field checked to verify compliance with the staking plan.	Standard Specifications 401-3.03 (A)
2.		Fixed form manual methods are approved by the Engineer for areas inaccessible to mechanical equipment.	Standard Specifications 401-3.04 (D)
3.		Fixed-forms are made of steel with a base width of at least four inches and a depth equal to or greater than the thickness of the pavement.	Standard Specifications 401-3.03 (C)
4.		Each fix-form section has a stake pocket at each end and at intervals of not more than five feet and a device for locking the form to the steel stakes.	Standard Specifications 401-3.03 (C)
5.		Fixed-form sections are straight, free of bends and warps, the top of each section does not vary from a true plane by more than 1/8 inch in ten feet and the inside face of each section does not vary more than 1/4 inch in ten feet.	Standard Specifications 401-3.03 (C)
6.		Forms are thoroughly cleaned and oiled each time they are used.	Standard Specifications 401-3.03 (C)

7.		For truck mixed concrete, the volume of concrete for the batch does not exceed 63% of the gross volume of the drum.	Standard Specifications 1006-4.03 (C)
8.		Except for Class P Concrete produced in a batch plant on-site and used exclusively for Class P work, delivery invoices are signed by an authorized contractor representative for all other approved plants.	Standard Specifications 1006-4.01
9.		All concrete mixer trucks are certified (ADOT or Arizona Rock Products Association (ARPA). Red or Blue certification on inside driver's side door panel.	Materials Practice and Procedure Directives 7
10.		When delivery invoices are required, all the information on the concrete delivery ticket is checked and verified by the inspector.	Standard Specifications 1006-4.01
11.		When truck mixers are used, they are equipped with an electrically or mechanically activated revolution counter to verify drum rotations.	Standard Specifications 1006-4.03 (C)
12.		Any water added at the site in truck mixers is mixed for a minimum of 30 revolutions at mixing speed and recorded on the invoice.	Standard Specifications 1006-4.03 (C)
13.		Discharge of concrete from truck mixers or truck agitators is completed within 90 minutes from the time concrete is batched.	Standard Specifications 1006-4.03 (B)
14.		Five random samples per lot (normally one day's production) are taken for compressive strength, temperature, slump and air content when applicable for the PCCP placement.	Standard Specifications 1006-7.03 (C)
15.		Three test cylinders are fabricated from each sample and tested for 28-day compressive strength. The cylinders are made, cured, handled, protected and transported in accordance with AASHTO T 23.	Standard Specifications 1006-7.03 (B)
16.		Slump tests are performed and documented from each sample in accordance with AASHTO T 119.	Standard Specifications 1006-7.02
17.		Air content of the concrete mixture (when required) is determined and recorded in accordance with AASHTO T 152	Standard Specifications 1006-7.02
18.		The temperature of the concrete mix immediately before placing is between 50 and 90 degrees F.	Standard Specifications 1006-5.02
19.		Rolling mechanical bridges supporting steel tines are equipped with automatic sensing and control devices which follow the same control line as the slip-form paver.	Standard Specifications 401-3.04 (F)
20.		All wheels of all machines that ride on the finished concrete surfaces are equipped with rubber tires or other means of protection for the previously placed concrete pavement.	Standard Specifications 401-3.04 (C)
21.		Vibrators are checked and document to verify a minimum of 8000 impulses per minute.	Construction Manual 105.11 Standard Specifications 401-3.04 (B)
22.		Concrete is consolidated by vibrating for the full width.	Standard Specifications 401-3.04 (C)
23.		All machinery is adequate to produce the specified grade and cross-section of finished pavement.	Standard Specifications 401-3.04 (C)

24.		The full pavement width within twelve inches of each edge is longitudinally dragged with burlap.	Standard Specifications 401-3.04 (F)
25.		Texture grooves are checked and documented for compliance to the specified width per Arizona Test Method 310 (1/8 +/- 1/32 inch in width).	Standard Specifications 401-3.04 (F)
26.		Texture grooves are checked and documented for compliance to the specified depth per Arizona Test Method 310 (5/32 +/- 2/32 inch in depth).	Standard Specifications 401-3.04 (F)
27.		If AR-ACFC is to be placed on PCCP prior to opening to traffic, only a burlap drag is required.	Standard Specifications 401-3.04 (F)
28.		When fixed form manual methods are approved, the finished surface conforms to the required lines, grades and finish.	Standard Specifications 401-3.04 (D)
29.		If surface drying or cracking should occur prior to the application of curing compound, the entire pavement surface is kept damp by fogging. Water is not applied directly to the surface but indirectly from an atomized nozzle to provide uniform coverage.	Standard Specifications 401-3.04 (A)
30.		Liquid curing compound is applied within 15 minutes after surface texturing operation and is applied progressively before any drying, shrinkage or craze cracks begin to appear.	Standard Specifications 401-3.04 (G)
31.		Liquid curing compound is applied in one or more applications totaling not less than one gallon per 100 square feet.	Standard Specifications 401-3.04 (G)
32.		Liquid curing compound is not applied over any standing water.	Standard Specifications 401-3.04 (G)
33.		Liquid curing compound is continued for not less than seven days and any damaged curing material is immediately repaired.	Standard Specifications 401-3.04 (G)
34.		When the ambient temperature is above 85 degrees F., verified by a calibrated thermometer, the entire surface of the concrete is kept damp by fogging with an atomized mist of water.	Standard Specifications 401-3.04 (G)
35.		When the ambient temperature is above 85 degrees F., fogging done after curing compound has been applied is not started until the compound has set sufficiently to prevent displacement.	Standard Specifications 401-3.04 (G)
36.		Pavement is not opened to traffic less than seven days after placement, all joints are sealed and the concrete has attained at least 3000 psi.	Standard Specifications 401-3.07
37.		Quantlist Minimum Frequency is being followed, one per seven calendar days.	Construction Bulletin 07-01