Diary Number: _____ Inspector Name: _____

TRACS Number: _____ Date: _____

Division IV: Surface Treatments and Pavements
Title: PCCP (Slip Form Placement and Curing)

Lot Number:	Wire or Wireless:
Thickness:	Pour Number:
Station:	Location:

Attribute Numbers	Yes, No N/A	Narratives	References
0.		All stakeholders have participated in the pre-activity meeting.	Construction Manual 401-1 pg. 401-1
1.		**ADOT Required Survey:** Has the Engineer placed one stake for elevation control and alignment on each side of the roadway at 50-foot intervals and at grade breaks in accordance with the contractor's staking plan?	2021 Standard Specifications 401-3.03 (A) pg. 257
2.		**Contractor Required Survey:** Did the contractor place one stake for elevation control and alignment on each side of the roadway at 50-foot intervals and at grade breaks in accordance with the contractor's staking plan?	2021 Standard Specifications 401-3.03 (A) pg. 257
3.		**For 3-D Machine Control Paving (wireless):** Did the contractor stake for vertical and horizontal controls on each side of the roadway at 50-foot intervals and at grade breaks?	2021 Standard Specifications 401-3.03 (A) pg. 257
4.		**For Wired Control Paving:** Has the contractor set taut guide lines to control both line and grade?	2021 Standard Specifications 401-3.03 (B) pg. 258
5.		**For 3-D Machine Control Paving (wireless):** Has the contractor developed a 3-D slope model if 3-D Machine Control PCCP wireless paving is utilized?	2021 Standard Specifications 401-3.03 (B) pg. 258
6.		**For 3-D Machine Control Paving (wireless):** Have the automatic electronic sensing and control devices for slip-form paving equipment been checked for calibration prior to the beginning of paving?	2021 Standard Specifications 401-3.03 (B) pg. 258
7.		Is the surface upon which the concrete pavement is to be placed, free of all loose and extraneous material and is uniformly moistened immediately prior to placing concrete?	2021 Standard Specifications 401-3.02 pg. 256

8.		**For 3-D Machine Control Paving (wireless):** Has the contractor provided the engineer with eight hour training on utilizing the 3-D Machine Control PCC Paving?	2021 Standard Specifications 401-3.01 pg. 256
9.		**For 3-D Machine Control Paving (wireless):** Has the contractor staked for vertical and horizontal control on each side of roadway at 50-foot intervals, at grade breaks, for three days production or a minimum distance of 2,500 feet, whichever is greater, for verification?	2021 Standard Specifications 401-3.01 pg. 257
10.	Major	**For 3-D Machine Control Paving (wireless):** Once verification of 3-D Machine Control PCC Paving (wireless) has been accepted by the Engineer. Has the staking for horizontal and vertical control been identified?	2021 Standard Specifications 401-3.01 pg. 257
11.		Are the machines Slip-form vibrator tubes or arms spaced not more than 24 inches center-to-center?	2021 Standard Specifications 401-3.04 (B) pg. 260
12.	r	Do the vibrators operate at a minimum of 8000 impulses per minute?	2021 Standard Specifications 401-3.04 (B) pg. 260
13.		Are all P.C., P.T., and other alignment changes, at intervals of not less than 100 feet on curves and 200 feet on tangents and do not exceed intervals 1000 feet?	2021 Standard Specifications 401-3.01 pg. 257
14.		The discharge of concrete from non-agitating trucks has been completed within 45 minutes from the time concrete is batched?	2021 Standard Specifications 1006-4.04 (B) pg. 1169
15.		Was the concrete protected against rain if hauled in an open-top vehicle?	2021 Standard Specifications 1006-4.04 (B) pg. 1169
16.		When ambient temperature exceeds 85 degrees F. the concrete is covered if exposed to the sun for more than 30 minutes?	2021 Standard Specifications 1006-4.04 (B) pg. 1169
17.		Was concrete sampled immediately before going into paver or form?	2021 Standard Specifications 1006-7.02 (C) pg. 1189
18.		Three test cylinders are fabricated from each sample and tested for 28-day compressive strength. Were the cylinders made, cured, handled, protected and transported in accordance with ASTM C172 & ASTM C31?	2021 Standard Specifications 1006-7.02 (A) pg. 1186 2021 Standard Specifications 1006-7.02 (C) pg. 1189
19.		Were slump tests performed from each sample (5 times per lot) in accordance with ASTM C143?	2021 Standard Specifications 1006-7.02 (A) pg. 1186 2021 Standard Specifications 1006-7.03 (A)(3) pg. 1191
20.		Was the air content of the concrete mixture (when required) determined in accordance with ASTM C231 or C173?	2021 Standard Specifications 1006-7.02 (A) pg. 1186
21.		Is the temperature of the concrete mix immediately before placing between 50 and 90 degrees F?	2021 Standard Specifications 1006-7.03 (A) (2) pg. 1191
22.		If daytime ambient temperatures are expected to exceed 100 degrees F and when directed by the Engineer, concrete was placed only between the hours of 8:00 p.m. and 8:00 a.m.?	2021 Standard Specifications 401-3.04 (A) pg. 259
23.		The horizontal deviation does not exceed 0.10 of a foot from the alignment shown on the plans for slip-formed PCCP?	2021 Standard Specifications 401-3.03 (B) pg. 258
24.		Any pavement edge slump in excess of 0.02 feet, exclusive of edge rounding, is corrected?	2021 Standard Specifications 401-3.04 (B) pg. 260

25.		Except in areas deemed inaccessible by the Engineer, steel tines are supported by an independent rolling mechanical work bridge?	2021 Standard Specifications 401-3.04 (F) pg. 263
26.		When work bridges and the tracks of slip-form equipment are riding on adjacent previously constructed pavement, the pavement has been in place for a minimum of 72 hours?	2021 Standard Specifications 401-3.04 (B) pg. 260
27.		When work bridges and the tracks of slip-form equipment are riding on adjacent previously constructed pavement, the surface is protected from damage by the tracks?	2021 Standard Specifications 401-3.04 (B) pg. 260
28.		When work bridges and the tracks of slip-form equipment are riding on adjacent previously constructed pavement, the tracks are not riding within one foot of the edge of the existing pavement?	2021 Standard Specifications 401-3.04 (B) pg. 260
29.		The full pavement width to within twelve inches of each edge is longitudinally dragged with burlap?	2021 Standard Specifications 401-3.04 (F) pg. 263
30.		The rolling mechanical bridge supporting steel tines is equipped with automatic sensing and control devices which follow the same control line as the slip-form paver?	2021 Standard Specifications 401-3.04 (F) pg. 263
31.		Were the tining grooves checked for compliance to the specified width per Arizona Test Method 310 (1/8 +/- 1/32 inch in width)?	2021 Standard Specifications 401-3.04 (F) pg. 263
32.		When the pavement will be overlaid with asphaltic concrete prior to opening to traffic, only a burlap drag was performed?	2021 Standard Specifications 401-3.04 (F) pg. 263
33.		**Only when surface drying or cracking occurs:** prior to the application of the curing compound was the entire pavement surface kept damp by fogging with water from an atomized nozzle?	2021 Standard Specifications 401-3.04 (G) pg. 264
34.		**Only if fogging the PCCP is necessary:** was water from the nozzle applied Indirectly to the surface providing uniform coverage?	2021 Standard Specifications 401-3.04 (G) pg. 264
35.		**Only if fogging the PCCP is necessary:** was water allowed to accumulate on the concrete in a quantity sufficient to cause a flow or wash the surface?	2021 Standard Specifications 401-3.04 (G) pg. 264
36.		Is the liquid-membrane forming (curing) compound container equipped with a calibrated sight glass or other method approved by the Engineer, for verification of the quantities used?	2021 Standard Specifications 401-3.04 (G) pg. 264
37.		Was the pre-approved liquid-membrane forming (curing) compound applied progressively within 15 minutes of surface texturing operations?	2021 Standard Specifications 401-3.04 (A) pg. 264
38.		Was the liquid-membrane forming (curing) compound applied in one or more applications, totaling not less than one gallon per 100 square feet?	2021 Standard Specifications 401-3.04 (G) pg. 264
39.		Is the liquid-membrane forming (curing) compound not applied over freestanding water?	2021 Standard Specifications 401-3.04 (G) pg. 264
40.		If damage occurs to the applied curing film, is it immediately repaired?	2021 Standard Specifications 401-3.04 (G) pg. 264
41.		Was the application rate for liquid-membrane forming (curing) compound checked and documented?	2021 Standard Specifications 401-3.04 (G) pg. 264

42.		When the ambient temperature is above 85 degrees F., verified by a calibrated thermometer, was the entire surface of the concrete kept damp by fogging with an atomized mist of water?	2021 Standard Specifications 401-3.04 (G) pg. 264
43.		When misting is required, was the moisture not allowed to accumulate on the concrete surface in a quantity sufficient to cause a flow or wash the surface?	2021 Standard Specifications 401-3.04 (G) pg. 264
44.		Was the pavement not opened to traffic less than seven days after placement, all joints are sealed and the concrete has attained its specified strength (at least 3000 psi)?	2021 Standard Specifications 401-3.07 pg. 268
45.		Is the Quantlist Minimum Frequency being followed, one per seven calendar days?	Construction Bulletin 07-01