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	Compliance	Narratives	References
0.		All stakeholders have participated in the pre-activity meeting (can be combined with other pre-activity).	Standard Specifications 401-3.01
1.		Survey offset points are field checked to verify compliance with the staking plan.	Standard Specifications 401-3.03 (A)
2.		Pre-paving PCCP thickness is checked (stabbed) from the taut guide lines after they have been adjusted to the proper elevation and width.	Standard Specifications 401-3.04
3.		The surface upon which the concrete pavement is to be placed is free of all loose and extraneous material and the surface is uniformly moistened immediately prior to placing concrete.	Standard Specifications 401-3.02
4.		Automatic electronic sensing and control devices for slip-form paving equipment have been checked.	Standard Specifications 401-3.03 (B)
5.		Slip-form vibrator tubes or arms are spaced not more than 24 inches center-to-center.	Standard Specifications 401-3.04 (B)
6.		Vibrators are checked to verify a minimum of 8000 impulses per minute.	Standard Specifications 401-3.04 (B)
7.		For “Wireless Paving: Eight hour training was held by the Contractor for the training of Engineer (staff) on utilizing the 3-D Machine Control PCC Paving.	Special Provisions 401-3.01

8.		For “Wireless Paving: A test strip, where the Contractor has stake for vertical and horizontal control on each side of roadway at 50-foot interval, at grade breaks, for three days production or a minimum distance of 2,500 feet, whichever is greater, for verification.	Special Provisions 401-3.01
9.		For “Wireless Paving: Once verification of 3 D Machine Control PCC Paving (wireless) has been accepted by the Engineer, staking for horizontal and vertical control shall identify all P.C., P.T., and other alignment changes, and shall be at intervals of not less than 100 feet on curves and 200 feet on tangents, unless otherwise specified by the Engineer. In no case shall intervals exceed 1000 feet.	Special Provisions 401-3.01
10.		For "Wireless Paving: The contractor shall check and recalibrate the 3 D Machine Control system every day that paving will be performed.	Special Provisions 401-3.01
11.		Discharge of concrete from non-agitating trucks is completed within 45 minutes from the time concrete is batched.	Standard Specifications 1006-4.03 (B)
12.		Concrete hauled in open-top vehicles are protected against rain. When ambient temperature exceeds 85 degrees F. the concrete is covered if exposed to the sun for more than 30 minutes.	Standard Specifications 1006-4.03 (B)
13.		Five random samples per lot (normally one day’s production for PCCP) are taken for compressive strength, temperature, slump and air content when applicable.	Standard Specifications 1006-4.03 (B)
14.		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
15.		Slump tests are performed and results are documented from each sample in accordance with AASHTO T 119.	Standard Specifications 1006-7.02 Standard Specifications 1006-7.03
16.		Air content of the concrete mixture (when required) is determined and recorded in accordance with AASHTO T 152	Standard Specifications 1006-7.02
17.		The temperature of the concrete mix immediately before placing is between 50 and 90 degrees F.	Standard Specifications 1006-5.03
18.		Horizontal deviation from the alignment shown on the plan does not exceed 0.10 foot for slip-formed PCCP.	Standard Specifications 401-3.04 (B)
19.		Pavement edge slump is frequently checked and documented.	Standard Specifications 401-3.04 (B)
20.		Pavement edge slump in excess of 0.02 feet, exclusive of edge rounding, is corrected.	Standard Specifications 401-3.04 (B)
21.		Except in areas deemed inaccessible by the Engineer, burlap and the tining machines are supported by independent rolling mechanical work bridges.	Standard Specifications 401-3.04 (F)
22.		When work bridges and the tracks of slip-form equipment are riding on adjacent previously constructed pavement, the pavement has been in place a minimum of 72 hours.	Standard Specifications 401-3.04 (B)

23.		When work bridges and the tracks of slip-forming equipment are riding on adjacent previously constructed pavement, the surface is protected from damage by the tracks.	Standard Specifications 401-3.04 (B)
24.		When work bridges and the tracks of slip-forming equipment are riding on adjacent previously constructed pavement, the tracks are not riding within one foot of existing pavement.	Standard Specifications 401-3.04 (B)
25.		The full pavement width within twelve inches of each edge is longitudinally dragged with burlap.	Special Provisions 401-3.04 (F)
26.		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.	Special Provisions 401-3.04 (F)
27.		Tining grooves are checked and documented for compliance to the specified width per Arizona Test Method 310 (1/8 +/- 1/32 inch in width).	Special Provisions 401-3.04 (F)
28.		If AR-ACFC is to be placed on PCCP prior to opening to traffic, an astroturf drag is used in lieu of tining.	Standard Specifications 401-3.04 (F)
29.		If surface drying or cracking should occur prior to the application of curing compound, the entire pavement surface is kept damp by fogging with water from an atomized nozzle.	Standard Specifications 401-3.04 (A)
30.		If fogging the PCCP is necessary, water from the nozzle is not applied directly to the surface but indirectly to provide uniform coverage.	Standard Specifications 401-3.04 (A)
31.		When fogging the PCCP is necessary, water is not allowed to accumulate on the concrete in a quantity sufficient to cause a flow or wash the surface.	Standard Specifications 401-3.04 (A)
32.		The liquid-membrane forming (curing) compound container is equipped with a calibrated sight glass; or another method has been approved by the Engineer, for verification of the quantities used.	Standard Specifications 401-3.04 (G)
33.		Pre-approved liquid-membrane forming (curing) compound is applied progressively within 15 minutes of surface texturing operations.	Standard Specifications 401-3.04 (A)
34.		Liquid-membrane forming (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)
35.		Liquid-membrane forming (curing) compound is not applied over any standing water.	Standard Specifications 401-3.04 (G)
36.		Liquid-membrane forming (curing) compound forms a continuous unbroken surface.	Standard Specifications 401-3.04 (G)
37.		Any damage to the curing film is immediately repaired.	Standard Specifications 401-3.04 (G)
38.		The application rate for liquid-membrane forming (curing) compound is checked and documented.	Standard Specifications 401-3.04 (G)
39.		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)

40.		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)
41.		Pavement is 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).	Standard Specifications 401-3.07
42.		Quantlist Minimum Frequency is being followed, One per 7 Calendar Days	Construction Bulletin 07-01