Inspector Quantlist Report 20241028

Diary Number: _____ Inspector Name: _____

TRACS Number: _____ Date: _____

Division IV: Surface Treatments and Pavements
Title: PCCP (Joints, Dowels and Tie-Bars)

Lot Number:	Direction:
Pour Number:	Station:
Location:	Lane Number:

Attribute Numbers	Yes No N/A	Narratives	References
0.		All stakeholders have participated in the pre-activity meeting.	Construction Manual 401-1
1.		Are the Certificates of Compliance conforming to the requirements of Subsection 106.05 of the Standard Specifications are on file for preformed expansion joint filler?	2021 Standard Specifications 1011-6 pg. 1224 2021 Standard Specifications 106.05 pg. 89
2.		Is there a certificate which properly identifies epoxy coated bars delivered to the project and verifies that the material is the same composition as used for the prequalification bars on file?	2021 Standard Specifications 1003-1 pg. 1131 2021 Standard Specifications 1003-5.02 pg. 1132
3.		Are the Certificates of Compliance conforming to the requirements of Subsection 106.05 of the Standard Specifications are on file with each shipment of coated steel.	2021 Standard Specifications 1003-1 pg. 1131 2021 Standard Specifications 1003-5.02 pg. 1132 2021 Standard Specifications 106.05 pg. 89
4.		The faces of all joints are constructed perpendicular to the concrete pavement surface.	2021 Standard Specifications 401-3.05 pg. 265
5.		Are all of the joints constructed to the type, to the dimensions, at the locations shown on the plans, and conform to the applicable C standards?	Standard Drawing C-07.01 sheet 1&2 2021 Standard Specifications 401-3.05 pg. 265
6.		On Longitudinal Construction (**LC**) joints when load transfer dowels are required, were 5/8 inch diameter by 20 inch epoxy coated smooth dowels placed in mid depth of the slab?	Standard Drawing C-07.01 Sheet 1 Note 1

7.		On Longitudinal Construction (**LC**) joints when load transfer dowel assemblies are not used, were 5/8 inch diameters by 24 inch epoxy coated smooth dowel (tie-bars) placed at mid depth of the slab?	Standard Drawing C-07.01 Sheet 1
8.		Were load transfer bars placed in all Longitudinal Construction (**LC**) joints by acceptable mechanical methods while the concrete was still plastic or drilled, doweled and anchored with an adhesive after concrete had hardened?	2021 Standard Specifications 401-3.05 (B) pg. 265
9.		On Longitudinal Construction (**LC**) joints, were the load transfer dowel assemblies placed on 2'-6'' (30 inch) centers?	Standard Drawing C-07.01 Sheet 1
10.		When paving next to existing pavement, were 24 inch #5 rebars placed in all Longitudinal Construction (**LC**) joints by drilling 7/8 inch holes, 12 inches deep into the hardened concrete and anchoring with an adhesive approved by the Engineer?	Standard Drawing C-07.06
11.		The tie bars for joints placed in adjacent slabs of different thickness were placed within 1 inch of the mid depth of the thinner slab?	2021 Standard Specifications 401-3.05 (B) pg. 265
12.		Were load transfer bars placed in all Longitudinal Weakened Plane (**LWP**) joints by acceptable mechanical methods while the concrete was still plastic or drilled, doweled and anchored with an adhesive after concrete had hardened?	2021 Standard Specifications 401-3.05 (B) pg. 265
13.		On Longitudinal Weakened Plane (**LWP**) joints when load transfer dowel assemblies are used, were tie bars that are 20 inch long #5 rebar, placed at mid depth in the slab (+/- 1/2 inch)?	Standard Drawing C-07.01 sheet 1 of 2
14.		On Longitudinal Weakened Plane (**LWP**) joints, #5 rebar (tie bars) are placed on 30 inch centers.	Standard Drawing C-07.01 Standard Specifications 401-3.05
15.		Have Transverse Construction (**TC**) joints been placed at the end of each day's production, or when placement of concrete is discontinued for more than 90 minutes?	2021 Standard Specifications 401-3.05 (C) pg. 266
16.		Have all Transverse Construction (**TC**) joints been formed perpendicular or skewed to the centerline of the roadway?	Standard Drawing C-07.01 sheet 1 of 2 2021 Standard Specifications 401-3.05 (C) pg. 266
17.		Are the Transverse Construction (**TC**) joints properly located between Transverse Weakened Plane (**TWP**) joints (2 foot minimum separation)?	Standard Drawing C-07.03 sheet 1 of 8
18.		Are the new Transverse Weakened Plane (**TWP**) joints aligned with previously placed **TWP** joints?	2021 Standard Specifications 401-3.05 (A) pg. 265
19.		Expansion joints (**E**) and (**H**), are constructed at locations as specified on the project plans?	Standard Drawing C-07.01

20.		Are the expansion joints (**E**), (**H**) and (**K**) constructed with 1/2 inch preformed expansion joint material that is recessed 1 inch below pavement surface and then sealed with silicone up to 1/4 inch below the pavement surface?	Standard Drawing C-07.01 sheet 1 of 2
21.		Are type (**K**) joints placed around the complete perimeter of miscellaneous structures e.g. catch basins, sign structure foundations, piers, abutments and other concrete facilities?	Standard Drawing C-07.01 sheet 1 of 2, Notes 3 & 4
22.		Are type (**H**) and (**K**) joints constructed without tie bars?	Standard Drawing C-07.01 sheet 1 of 2
23.		Are all (**E**) joints 1-1/2 inch diameter epoxy coated smooth dowels (tie bars) on 18 inch centers, placed at mid depth in the slab?	Standard Drawing C-07.01 sheet 1 of 2
24.		Are the Median Barrier Joints (**B**) with PCCP on both sides, constructed with **No** tie bars?	Standard Drawing C-07.01 sheet 2 of 2
25.		Are the Median Barrier Joints (**B**) with PCCP on both sides when **sloping toward** the barrier, joint is constructed with 1/2 inch preformed expansion joint material that is recessed 1 inch below PCCP surface and then sealed with silicone up to 1/4 inch below the PCCP surface?	Standard Drawing C-07.01 sheet 2 of 2
26.		Are Median Barrier Joints (**B**) with PCCP on both sides, when **sloping away** from the barrier being constructed with full depth 1/2 inch preformed expansion joint material?	Standard Drawing C-07.01 sheet 2 of 2
27.		Are the Transverse Construction Joints (**TC**) 1-1/2 inch in diameter, epoxy coated smooth dowels (tie bars), 24 inches in length, on 1 foot centers, placed at mid depth of PCCP slab?	Standard Drawing C-07.01 sheet 1 of 2
28.		Is the Longitudinal Half Barrier (**B**) joints installed with #5 rebar, 24 inches long, and placed on 5 foot centers at mid depth of the gutter slab?	Standard Drawing C-07.01 sheet 2 of 2
29.		Is the Longitudinal Median Barrier (**B**) joint with AC on the back side installed with #5 rebar, 24 inches long, and placed on 5 foot centers at mid depth of the PCCP slab?	Standard Drawing C-07.01 sheet 2 of 2
30.		Are Curb & Gutter (**G**) joints installed with #5 rebar, 24 inches long, and placed on 5 foot centers at mid depth of gutter slab?	Standard Drawing C-07.01 sheet 2 of 2
31.		Are Single Curb Joints (**A**) installed with #5 rebar, 20 inches long placed on 5-foot centers at mid depth of PCCP slab?	Standard Drawing C-07.01 sheet 2 of 2
32.		Are Skewed Transverse Weakened Plane (**TWP**) joints used when load transfer dowel assemblies are not required?	Standard Drawing C-07.01 sheet 1 of 2
33.		Are Transverse Weakened Plane (**TWP**) joint locations correctly spaced and referenced at 15 foot, 13 foot, 15 foot and 17 foot intervals?	Standard Drawing C-07.03 sheet 4 of 8

34.		Are the Transverse Weakened Plane (**TWP**) joints constructed at least 6 feet from Transverse Construction (**TC**) joints?	Standard Drawing C-07.03 Note 8, sheet 5 of 8
35.		Are the Load Transfer Dowel Assembly (**LTDA**) correctly placed and anchored at each non-skewed Transverse Weakened Plane (**TWP**) joints on traveled lanes?	Standard Drawing C-07.02 Note 3
36.		Are damaged surfaces of coated dowel bars repaired with compatible materials supplied by the epoxy coating manufacturer?	2021 Standard Specifications 1003-5.02 pg. 1132
37.		Immediately prior to concrete placement, Were the dowel bars of load transfer assemblies uniformly coated with a thin film of waterproof grease for the full length of the dowel?	Special Provisions 401 LTDA
38.		Quantlist Minimum Frequency is being followed, one per seven calendar days.	Construction Bulletin 07-01