

# Pavement & Materials Partnering Committee (PMPC)

## Working Group Meeting

### Precast Pavement – Phase II Enhanced Jobsite Quality

**Meeting Minutes #3:** PMPC Precast Concrete Pavement (PCP) Working Group

**Date:** September 18, 2019

**Time:** 1:00 PM – 3:00 PM

**Location:** 15335 Fairfield Ranch Road, Suite 200 Chino Hills, CA 91709

#### Working Group Membership

<u>CT/Industry</u>	<u>Division/Firm Name</u>	<u>Name</u>	<u>Attendance</u>
CT Chair	Maintenance/HQ Pavement	Dulce Rufino Feldman	<b>Yes</b>
CT	District 7 – Maintenance	Deborah Wong	No
CT	District 4 – Materials	Tinu Mishra	No
CT	District 7 – Construction	Mike Wang	<b>Yes</b>
Industry Lead	ProCast	Warren Taylor	<b>Yes</b>
Industry	Jensen Precast	Arshad Vali	<b>Yes</b>
Industry	Flatiron	George Butorovich	<b>Yes</b>
Industry	Baltazar Construction, Inc	Baltazar Siqueiros	No
Industry	PCI West	Ruth Lehmann	No
CT	METS – QASI LA	Divyesh Vora	<b>Yes</b>

#### Minutes

#### Background Discussion

1. Risk Register item #1 Working Days or Working Days Window for Precast Concrete Pavement (PCP) replacement work

#### Guidance for Risk Register item #1 Working Days or Working Days Window for PCP replacement

1. Deliverable: Guidance documentation with working days window timeline detailed.
2. Two (2) PCP replacement types:
  - a. Continuous PCP Replacement
  - b. Random PCP Replacement
3. Main Phases for Continuous and Random PCP working days window:
  - a. Demo
  - b. Base – Aggregate Base (AB), Lean Concrete Base (LCB), Cement Treated Base (CTB)
    - I. Base for Continuous always replaced
    - II. Base for Random depends on quality of existing base
  - c. Setting/Placement of PCP panels
  - d. Grouting/Finish
4. Base Replacement for Continuous PCP Replacement:

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### **Precast Pavement – Phase II Enhanced Jobsite Quality**

- a. If the existing base is discovered to be only LCB or Aggregate Treated Base (ATB), then replace base only if there is clear damage or settlement.
  - b. If the existing base is discovered with CTB, then replace CTB with LCB and match thickness of surrounding, existing base.
5. Continuous PCP Replacement
- a. Base is always replaced.
  - b. Production is ~(10) panels per hour
    - I. Demo: ~1 hour
    - II. Base: Class 3 AB ~1 hour, LCB ~1 hour, Curing LCB ~1 hour
    - III. Setting/placement of ten (10) PCP panels: ~1 hour
    - IV. Grouting/Finish: ~1 hour
6. Random PCP Replacement
- a. Base is always replaced with LCB. See Item #4 above.
  - b. Production is ~(4) panels per hour
    - I. Demo: ~1 hour
    - II. Base: Class 3 AB ~1 hour, LCB ~1 hour, Curing LCB ~1 hour
    - III. Setting/placement of four (4) PCP panels: ~1 hour
    - IV. Grouting/Finish: ~1 hour
7. Production rate is contingent on the following:
- a. Requires minimum (2) lanes closed for access and (1) lane closed for safety buffer.
  - b. Production below is cut in half if only (1) lane is closed for access.
  - c. Requires (2) lanes closed for access and (1) lane closed for safety buffer. For example, if lane 2 is undergoing PCP replacement for a 4 lane + wide shoulder highway, lane 3 must be closed for safety buffer, and lane 1 and wide shoulder lane must be closed for access. If condition cannot be met, then full highway closure is required to perform PCP replacement.

#### **Action Items:**

1. **Divyesh Vora:** Assigned Draft Guidance for Risk Register item #1
2. **Warren Taylor:** Assigned Risk Register item #4
3. **Dulce Rufino Feldman:** Assigned Risk Register item #2 and #3