

# Pavement & Materials Partnering Committee (PMPC)

## Working Group Meeting

### Precast Pavement – Phase II Enhanced Jobsite Quality

**Meeting Minutes #4:** PMPC Precast Concrete Pavement (PCP) Working Group

**Date:** October 22, 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	No
Industry	Flatiron	Steve Bell	<b>Yes</b>
Industry	Baltazar Construction, Inc	Baltazar Siqueiros	No
Industry	PCI West	Ruth Lehmann	<b>Yes</b>
CT	METS – QASI LA	Divyesh Vora	<b>Yes</b>

#### Minutes

#### Risk Register Item #1 Working Days or Working Days Window for PCP Replacement Work

1. Two (2) Precast Concrete Pavement (PCP) replacement types:
  - a. Continuous PCP Replacement
  - b. Random PCP Replacement
2. Base Replacement for Continuous PCP Replacement:
  - a. Existing base is 100% replaced with LCB
3. Base Replacement for Random PCP Replacement:
  - a. Existing base is 100% replaced with LCB
  - b. 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. 100% base replacement can be adjusted during the project.

#### Risk Register Item #2 Lack of Alternative Design Restrictions

1. Only for skew panels and joints: Replace skew joint in lieu of the replacement of the entire (2) PCP panel.
2. Do not use PCP panels for radius < 2000
  - a. Include language in standard plans.

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3. Prestressing (PS) strands must be in direction of length (greater dimension) and not in the direction of the width (lesser dimension. If pavement has a length and width about equal, then prestressing strand direction is not an issue.
4. “Shop drawings and calculations” in 40-8.01C(2) Shop Drawings of Section 40-8 Precast Concrete Pavement will be revised to “Shop drawings”.
5. Maximum panel dimensions must be 15 ft in the direction of travel (longitudinal).
  - a. Prestressing (PS): if PS is used, PS must be in the direction of the greater length first.
  - b. PCP panel length in transverse direction: 15 ft
  - c. PCP panels only have reinforcement for 15 ft x 15 ft max panels
6. Remove Section 40-8.01C(3) Alternative System from specifications and provide options for pre-approved joint details by Caltrans.

**Risk Register Item #3 Section 40 Concrete Pavement and Section 41 Existing Concrete Pavement Update**

7. Precast Jointed Concrete Pavement (PJCP) nomenclature will be revised to Continuous Precast Concrete Pavement (PCP) and Random PCP.
8. Move specification requirements regarding Random PCP replacement from Section 41 Existing Concrete Pavement to Section 40 Concrete Pavement.

**Action Items:**

1. **All:** Provide feedback/comments for the Working Days Window draft
2. **Warren Taylor:** Assigned Risk Register item #4
3. **Dulce Rufino Feldman:** Assigned Risk Register item #2 and #3