

# Pavement & Materials Partnering Committee (PMPC)

## Working Group Meeting

### Precast Pavement – Phase II Enhanced Jobsite Quality

**Meeting Minutes #1:** PMPC Precast Concrete Pavement (PCP) Working Group

**Date:** May 29, 2019

**Time:** 1:30 PM – 3:30 PM

**Location:** 13230 E Firestone Blvd, Santa Fe Springs, CA 90670

#### 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	Yes by Phone
CT	District 7 – Maintenance	Deborah Wong	No
CT	District 4 – Materials	Tinu Mishra	No
CT	District 7 – Construction	Mike Wang	No
Industry Lead	ProCast	Warren Taylor	Yes
Industry	Jensen Precast	Arshad Vali	No
Industry	Flatiron	George Butorovich	No
Industry	Baltazar Construction, Inc	Baltazar Siqueiros	No
Industry	PCI West	Ruth Lehmann	No
CT	METS – QASI LA	Divyesh Vora	Yes
CT	METS – OSM	Keith Hoffman	Yes

#### Minutes

##### Background Discussion

- Review Risk Register draft
  - Discussed and incorporated feedback and comments from Industry on Risk Register draft
  - Finalized priority items for Risk Register

##### Risk Register items list prioritized and additional details discussed:

Risk Register items #1 to #4 are the first four priority items.

1. Working Days or Working Days Window for PCP replacement work
  - a. Warren to reach out to George Butorovich (Flatiron) and Baltazar Siqueiros (Baltazar Construction) regarding one-lane or multi-lane closures for random and continuous PCP replacement
  - b. Industry: Fabricator to provide ETA for (1) PCP panel work, then expand activity numbers based on lanes available for work. CT OSC can provide guidance based on initial ETA provided by fabricator.
  
2. Lack of alternative design restrictions
  - a. Length for typical panel and joint sizes to be 20 ft.

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- b. Standard Specifications to detail specifications for continuous PCP replacement, then detail / list the additional specification requirements for random PCP replacement.
  - c. Provide load restrictions in specifications (e.g. no crane)
3. Section 40 Concrete Pavement and Section 41 Existing Concrete Pavement specification update to eliminate redundancy and Nomenclature Update
  - a. Nomenclature update: e.g. Precast Concrete Pavement - "PCP"
4. Field verification and geometric checks prior to shop drawings
  - a. Industry: If lane width is greater than 10 ft, Prime Contractor to survey existing panel and incorporate into shop drawings.
  - b. Industry: In Standard Specifications, add specification requirement to submit survey data for shop drawings review if lane width separation varies from Design
5. Lean Concrete Base (LCB) or Base Replacement
  - a. Industry: Pay Item for coring of existing PCP panels for base depth verification; if discrepancies with base depth found, then excavate and replace with new base
  - b. Industry: Prefers all base to be replaced for continuous PCP replacement
  - c. Industry: Prefers 20% quantity of base to be replaced for random PCP replacement
6. Lack of clarity on grinding of PCP after new placement
  - a. Time of grinding prior to opening to traffic vs end of job (if PCP panel thickness within quarter inch, ¼", tolerance, then grind after the end of the job)
7. Installation Guide
8. Underslab grout material
  - a. Industry: Provide design acceptance criteria for load-transfer strength grout
  - b. Industry: Prefers load transfer grout to be the same as panels
  - c. Industry: Prefers base grout to be 1,500 psi
9. Longitudinal joint filling material
  - a. Fill joints with grout and then silicone seal on top in lieu of compression seals and airgaps, to help prevent water from filling into gaps which can lead to pumping and broken seals
10. Transverse joints between PCP panels (dowels)
  - a. ¼" to ½" tolerances for gaps at joints
11. PCP panel edge repair at fabricator facility and edge protection during installation
12. Final finishing tolerances for tining

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**Action Items:**

1. **Warren Taylor:** Assigned Risk Register item #1 and #4
2. **Dulce Rufino Feldman:** Assigned Risk Register item #2 and #3