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

<table>
<thead>
<tr>
<th>CT/Industry</th>
<th>Division/Firm Name</th>
<th>Name</th>
<th>Attendance</th>
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<tbody>
<tr>
<td>CT Chair</td>
<td>Maintenance/HQ Pavement</td>
<td>Dulce Rufino Feldman</td>
<td>Yes</td>
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<tr>
<td>CT</td>
<td>District 7 – Maintenance</td>
<td>Deborah Wong</td>
<td>No</td>
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<td>CT</td>
<td>District 4 – Materials</td>
<td>Tinu Mishra</td>
<td>No</td>
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<tr>
<td>CT</td>
<td>District 7 – Construction</td>
<td>Mike Wang</td>
<td>Yes</td>
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<td>Industry Lead</td>
<td>ProCast</td>
<td>Warren Taylor</td>
<td>Yes</td>
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<td>Industry</td>
<td>Jensen Precast</td>
<td>Arshad Vali</td>
<td>Yes</td>
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<td>Industry</td>
<td>Flatiron</td>
<td>George Butorovich</td>
<td>Yes</td>
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<td>Industry</td>
<td>Baltazar Construction, Inc</td>
<td>Baltazar Siqueiros</td>
<td>No</td>
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<td>Industry</td>
<td>PCI West</td>
<td>Ruth Lehmann</td>
<td>No</td>
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<td>CT</td>
<td>METS – QASI LA</td>
<td>Divyesh Vora</td>
<td>Yes</td>
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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:
Pavement & Materials Partnering Committee (PMPC)  
Working Group Meeting  
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