PCC Partial Depth Patching

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Project Objectives

• Complete work at night
• Partial depth patch all longitudinal and transverse joints
• Stage construction to maintain traffic at all times
Types of PDR, PCC & HMA

- Partial depth PCC finish patches
- Partial depth joint and crack repair
- Over depth patches
- Partial depth regular HMA finish patches
- Partial depth irregular HMA finish patches
Patching Details

• Three types of patches for joint and crack repairs
• PCC patching material
  – Class A
  – Class B
  – Class C
• Construction
• Ceiling joints
• Patch failures
Specification Changes

- DS for PDR patches DS-12057, now 2530
- Broom finish changed from match surrounding texture
- Grout application along patch edge
- Jointing longitudinal >6’ can saw, 1/3 depth
- Jointing transverse need to use form boards
Future Specification Changes?

- Reduce mix types from 3 to 2
- Post Precon prepour meeting with CMB
Lessons learned

- Avoid PDR repairs at areas with D-cracking
- Some joint are beyond PDR
- Take cores at several joint locations and a couple of feet away
- Make sure all bad concrete is removed from the repair area
- Match location of saw cut or form board with existing joint is critical
ANY QUESTIONS?

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THANKS!